Session:-2017-18

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

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Session 2017-18

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year

Sr. No.	Particulars	Name of Department	Page No.
1.	AQAR cover page	--	1
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3.	Governance body	--	3
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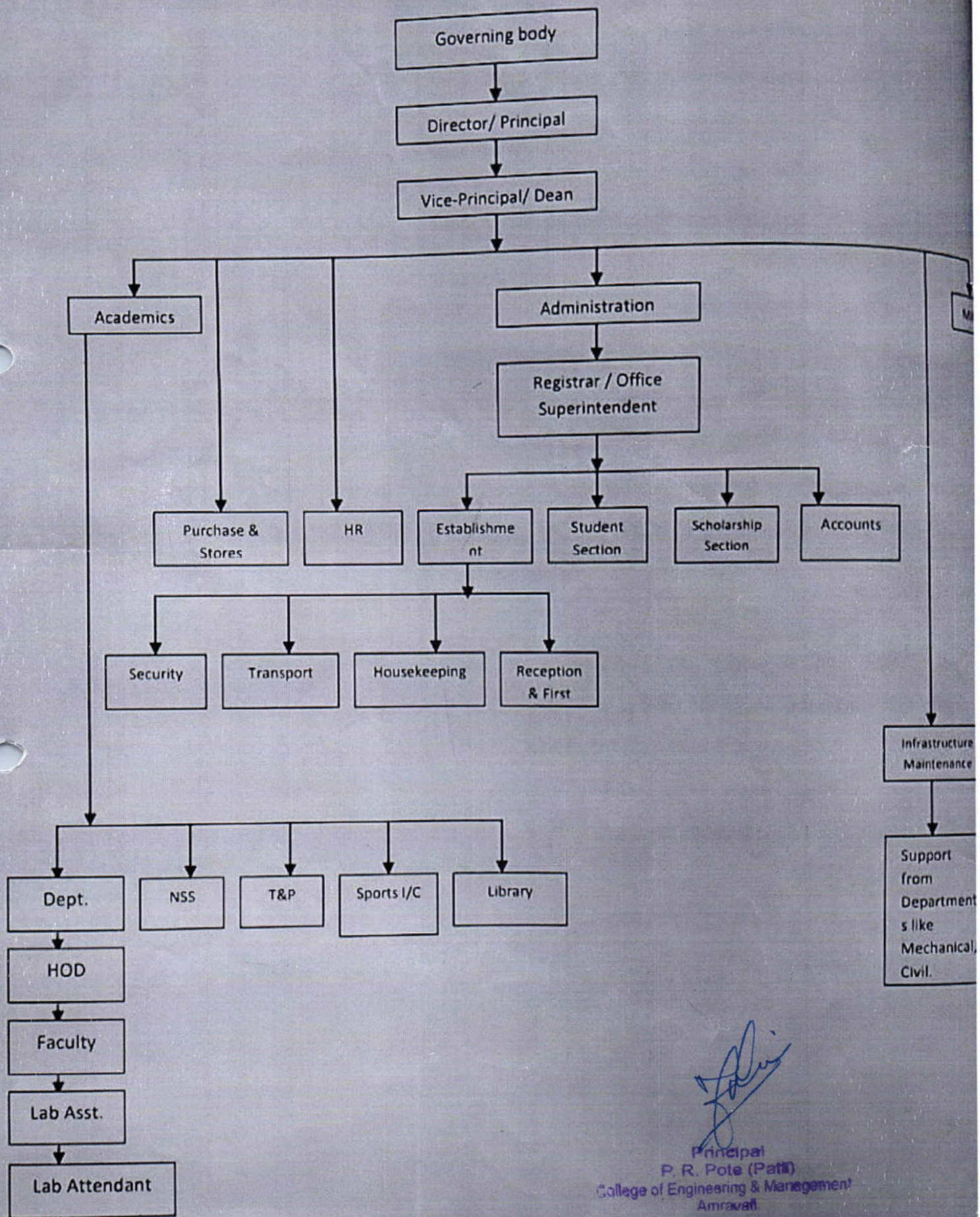
CRITERION –VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (Maximum 500 words)

The Institute is planning to establish Dean's structure in order to decentralize the work activity and to enhance smooth functioning of the centralized activities. Following Dean Structure is under process. i.e. Dean (Academics), Dean (R&D), Dean (Admin), Dean (Student welfare) etc. The management is now participative in infrastructure development, quality of Academics & practices and Research & Development in the Institution.

The Institute's function is based on the organizational chart shown below.



Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati

"Shri Gajanan Maharaj Prasanna"

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions,
College of Engineering & Management, Amravati

(Recognized by AICTE, New Delhi, DTE, Mumbai & Affiliated to SGBAU, Amravati)

Pote Estate, Pote Patil Road, Kathora, Amravati. (Maharashtra)
Ph. No. 0721-2530342, 44, 2530089 Fax No.: 0721- 2530341
Email: prpotepatilcollege@gmail.com

Ref.:

Date: 22.10.2017

Governing Body

Sr. No.	Name	Position
1	Shri Pravinkumar R. Pote	Chairman
2	Shri Dilip A. Nimbhorkar	Member (Nominated by Trust)
3	Dr. Mahendra P. Dhore	Member (Nominated by Trust)
4	Adv. Pravin M. Mohod	Member (Nominated by Trust)
5	Dr. J. P. Kaware	Sant Gadge Baba Amravati University Nominee
6	Prof. D. N. Shingade	Director of Technical Education Nominee
7	Regional Officer, WRC, AICTE	Yet to Receive Nomination
8	Mr. Sanjay Jadhao	Industrialist
9	Prof. Ajay W. Mahore	Member (Teaching)
10	Prof. Mohammad Zuhair	Member (Teaching)
11	Dr. Sadhana D. Wakde	Member Secretary

Member Secretary

Chairman

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions
College of Engineering & Management, Amravati
(Recognized by AICTE, New Delhi & Affiliated to SGBAU, Amravati)

Anti Ragging Committee/1670-B/2017-18 Date: 13/07/2017

Anti-Ragging Committee

Ref.PRPCEM/ / / **Date: 13/07/2017**

As per AICTE notification F.No. 37.3/Legal/AICTE/2009 6(A) for prevention and prohibition of Ragging in technical institute, Following Anti Ragging Committee has been constituted by the institute. It shall be the duty of Anti Ragging Committee to ensure compliance with the provisions of these regulations as well as the provisions of any law for the time being in force concerning ragging and also to monitor Anti Ragging squad in prevention of ragging in institute. The members of the committee are as follows.

1)	Dr. Mrs. S.D. Wakde	Principal
2)	Dr. Nilesh R. Thakare	Coordinator
3)	Shri Vilas Marathe	Editor(Media)
4)	Adv. P. M. Mohod	NGO In Youth Activity
5)	Shri. G. G. Solanke	POLICE
6)	Prof M S Nirmal	Parent
7)	Ku Ankita Thakare	Senior Student
8)	Mr Ved V Kulat	Fresher Student
9)	Mr. Kishor B. Deshmukh	Office Superintendent
10)	Mr. Kundan Yadav	Non Teaching staff member

Dr Mrs. S. D. Wakde
Principal

Circulation :

Sr. No.	Name of Faculty	Designation	Signature
1)	Dr. Mrs. S.D. Wakde	Principal	
2)	Dr. Nilesh R. Thakare	Co-Ordinator	
3)	Shri Vilas Marathe	Editor(Media)	
4)	Adv. P.M.Mohod	NGO In Youth Activity	
5)	Shri. G.G.Solanke	POLICE	
6)	Prof M S Nirmal	Parent	
7)	Ku Ankita Thakare	Senior Student	
8)	Mr Ved V Kulat	Fresher Student	
9)	Mr.Kishor B. Deshmukh	Office Superintendent	
10)	Mr. Kundan Yadav	Non Teaching staff member	

P. R. Pote Patil Edu. & Welf. Trust's Group of Institutions,
College Engineering & Management, Amravati
(Recognized by AICTE, New Delhi, DTE, Mumbai & Affiliated to SGBAU, Amravati)

University Code : 817
DTE Code : 1107

Pote Estate, Pote Patil Road, Kathora, Amravati (Maharashtra)
Ph. No. 0721-2530342, 44, 2530089, Fax No. : 0721-2530341
Email : prpotepatilcollege@gmail.com

Ref. :

Date : 20/07/2017

SC / ST Grievance Committee

AY: 2017-2018

The SC/ST Committee is formed to monitor and endeavor to resolve issues / grievances relating to SC/ST students and staff at the institute level. The complaints if any will be forwarded to the said committee by the Principal. The said committee will look into the complaint and call the concerned complainant personally for hearing the grievance.

The constitution of Committee is as follows:

Sr. No.	Name of Member	Designation
1	Prof. S. V. Dhoke	Chairman
2	Prof. S. A. Garud	Co-ordinator
3	Mr Ankush Meshram	Member
4	Ms. Shweta Khandekar	Member
5	Ms. Neha Bansod	Member
6	Mr. Rushikesh Gaikawad	Member

Role and Responsibilities

1. The Reservation (SC/ST) Cell will monitor and endeavor to resolve issues, grievances related to all reservation candidates and staff at the Institute level.
2. The Compliant if any will be forwarded to the said Committee/Cell by the Director.
3. The said Committee/Cell will look into the complaint and call the concern complainant personally for hearing the grievance.
4. The Coordinator of the Committee/Cell will forward their report in the sealed envelope to the Principal within one week from the date of receipt of complaint.

Incharge
Prof. S. V. Dhoke

P. R. Pote (P.) Edu. & Welf. Trust's Group of Inst. Code-1107 AMRAVATI

Principal
Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

"Shri Gajanan Maharaj Prasanna"

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Ph. No. 0721-2530342, 44, 2530089 Fax No.: 0721- 2530341
Email: prpotepatilcollege@gmail.com

Ref.:

Date: July 2015

Circular

Sub. : - Formation of Women's Grievance Committee.

As per directives from SGB Amravati University, Amravati Ref. No. SGBAU/7-D/09/663/12, dated 31/07/2012, Women's Grievance Committee of our institute is revised on 01/06/2015.The members of the committee are as follows-

1)	Chairperson of the Committee	-	Dr. Nilima A. Kalambe
2)	One female teacher	-	Prof. Y. D. Shahakar
3)	One male teacher	-	Prof. P. S. Ardak
4)	One male Non-teaching employee	-	Mr. Rajiv R. Rajas
5)	One female Non-teaching employee	-	Mrs. N. A. Vidhale
6)	One representative of N.G.O. actively engaged in the welfare of women	–	Mrs. Jayshree K. Deshmukh
7)	One representative of Management	–	Adv. Pravin M. Mohod
8)	One lady lawyer	–	Adv. Pallavi A. Zatale
9)	Male Students	–	* Mr. Mohd. Sufian Mohd. Shakeel (EXTC II yr.) * Mr. Gopal S. Mahalkar (Mech. II yr.)
10)	Female Students	-	* Ms. Snehal Gadpale (Elec. II yr.) * Ms. Juhi Dakhane (CSE II yr.)

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati

Copy to :

1) Principal
2) Vice Principal
3) All HODs
4) Administrative Officer
5) The person concerned Chairman/Members.

"Shri Gajanan Maharaj Prasanna"

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions,
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Ph. No. 0721-2530342, 44, 2530089 Fax No.: 0721- 2530341
Email: prpotepatilcollege@gmail.com

Ref.: PRPCOEM/grc/2015-16 Date: 13/06/15

CIRCULAR

Grievance Redressal Committee

As per the AICTE notification F. No. AICTE/PG/2012/20/06/1143, dated 25-07-2012, **Grievance Redressal Committee** has been constituted with the objective of resolving the grievances of students, parents and others. The committee comprises of following members:

Chair person

1. **Dr. Sadhana D. Wakde** - Principal

Members

2. **Adv. Pravin Mohod** - Chief Executive Officer
3. **Mr. Kishor Deshmukh** - Administrative Officer
4. **Mr. Mohammad Zuhair** - Vice-Principal
5. **Mr. Rahul Ghongade** - Associate Professor
6. **Ms. Gauri Borkhade** - Assistant Professor

All the students, their parents and others may henceforth approach the Grievance Redressal Committee for Any grievances.

CHAIRMAN
P.R. Pote (Patil) Edu. & Welf. Trust
Amravati

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

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Session 2017-18

6.1.2 Does the institution have a Management Information System (MIS)?

Sr. No.	Particulars	Name of Department	Page No.
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2.	Feedback	CSE	10-13
3.	Action taken report	CSE	14-15
4.	Monthly attendance record (W-17)	Electrical	16-20
5.	Monthly attendance record (S-18)	Electrical	
6.	Leave record (Institute level)	--	21-25

6.1.2 Does the institution have a Management Information System (MIS)?

- Yes, Feedback, Monthly Attendance, Leave Record

P. R. Pote Patil College of Engineering & Management

Feedback Report Computer Science & Engg. 7th SEM Sec A

Session: Winter 2017

Computer Science & Engg. 7th SEM Sec A Session: Winter 2017	Prof. B R MANKAR	Prof. V B GADICHA	Prof. K B BIJWE	Prof. A P DATE	Prof. M S BURANGE
	DSP	CN	DAA	OOAD	MMT
Q.1 :- Whether the lecturers were well prepared, organized and course material is well structured?	73	86	82	82	90
Q.2 :- Was the Blackboard writing/ audio visual aids are clear and organized?	81	82	82	83	90
Q.3 :- Were the lecturer delivered with emphasis on fundamental concepts and with illustrative examples?	80	86	80	86	86
Q.4 :- Whether the Teacher engages classes regularly & maintains the discipline.	80	86	80	85	89
Q.5 :- Whether difficult topics were taught with adequate attention and ease?	77	87	80	86	89
Q.6 :- Was the teacher able to deliver lectures with good communication skills?	76	88	76	86	83
Q.7 :- Were you encouraged to ask Questions, to make lecturers interactive and lively?	76	84	80	83	88
Q.8 :- Whether the teacher was effective in preparing students for exams?	79	85	81	80	81
Q.9 :- Was the unit test evaluation fair and impartial and did it help you to improve?	79	86	80	84	88
Q.10 :- Whether teacher was always accessible to the students for counseling, guidance and solving queries off the classroom hours.	81	86	81	85	87
Total No of Feedbacks are : 23 Overall Feedback :	**78**	**86**	**80**	**84**	**87**

Feedback about Institute	
Q.1 :- Whether the infrastructer facility are adequate ?	79
Q.2 :- Whether the Labs are properly organised ?	81
Q.3 :- Whether the Internate facility is up to the Mark ?	71
Q.4 :- Smooth Water and electrical supply available ?	75
Q.5 :- Services of library Extended to students are adequate ?	79
Q.6 :- Sport facilities ?	74
Q.7 :- Admin (Non-Teaching) Staff Services ?	82
Q.8 :- On Campus Drives organised by T&P are adequate?	84
Q.9 :- Training Provided by T&P department up to the mark?	86
Q.10 :- Overall feedback about T&P department ?	85
Total No of Feedbacks are : 23 Overall Feedbacks :	**80**

H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote Patil College of Engineering & Management

Feedback Report Computer Science & Engg. 7th SEM Sec B

Session: Winter 2017

Computer Science & Engg. 7th SEM Sec B Session: Winter 2017	Prof. B R Mankar	Prof. K K Chhajed	Prof. P D Soni	Prof. P P Pawade	Prof. M S Burange
	DSP	CN	DAA	OOAD	MMT
Q.1 :- Whether the lecturers were well prepared, organized and course material is well structured?	87	80	81	79	87
Q.2 :- Was the Blackboard writing/ audio visual aids are clear and organized?	89	86	86	84	88
Q.3 :- Were the lecturer delivered with emphasis on fundamental concepts and with illustrative examples?	83	82	87	82	88
Q.4 :- Whether the Teacher engages classes regularly & maintains the discipline.	90	86	89	88	89
Q.5 :- Whether difficult topics were taught with adequate attention and ease?	87	85	87	85	88
Q.6 :- Was the teacher able to deliver lectures with good communication skills?	82	85	84	82	81
Q.7 :- Were you encouraged to ask Questions, to make lecturers interactive and lively?	88	85	89	86	87
Q.8 :- Whether the teacher was effective in preparing students for exams?	82	81	87	85	85
Q.9 :- Was the unit test evaluation fair and impartial and did it help you to improve?	85	84	87	83	86
Q.10 :- Whether teacher was always accessible to the students for counseling, guidance and solving queries off the classroom hours.	83	82	85	82	90
Total No of Feedbacks are : 22 Overall Feedback :	**86**	**84**	**86**	**84**	**87**

Feedback about Institute	
Q.1 :- Whether the infrastructer facility are adequate ?	80
Q.2 :- Whether the Labs are properly organised ?	80
Q.3 :- Whether the Internate facility is up to the Mark ?	76
Q.4 :- Smooth Water and electrical supply available ?	81
Q.5 :- Services of library Extended to students are adequate ?	80
Q.6 :- Sport facilities ?	79
Q.7 :- Admin (Non-Teaching) Staff Services ?	84
Q.8 :- On Campus Drives organised by T&P are adequate?	87
Q.9 :- Training Provided by T&P department up to the mark?	87
Q.10 :- Overall feedback about T&P department ?	87
Total No of Feedbacks are : 22 Overall Feedbacks :	**82**

H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Mgmt.
Amravati

P. R. Pote Patil College of Engineering & Management

Feedback Report Computer Science & Engg. 8th SEM Sec A

Session: Summer 2018

Computer Science & Engg. 8th SEM Sec A Session: Summer 2018	Prof. M.S. BURANGE	Prof. B.R. MANKAR	Prof. M.N. HAQUE	Prof. F.M. SHELKE
	AI	ES	SE	NS
Q.1 :- Whether the lecturers were well prepared, organized and course material is well structured?	90	82	84	78
Q.2 :- Was the Blackboard writing/ audio visual aids are clear and organized?	89	87	84	76
Q.3 :- Were the lecturer delivered with emphasis on fundamental concepts and with illustrative examples?	86	81	82	75
Q.4 :- Whether the Teacher engages classes regularly & maintains the discipline.	91	86	84	79
Q.5 :- Whether difficult topics were taught with adequate attention and ease?	88	79	80	77
Q.6 :- Was the teacher able to deliver lectures with good communication skills?	91	87	88	83
Q.7 :- Were you encouraged to ask Questions, to make lecturers interactive and lively?	87	83	84	80
Q.8 :- Whether the teacher was effective in preparing students for exams?	86	84	88	78
Q.9 :- Was the unit test evaluation fair and impartial and did it help you to improve?	86	84	82	76
Q.10 :- Whether teacher was always accessible to the students for counseling, guidance and solving queries off the classroom hours.	86	84	81	82
Total No of Feedbacks are : 30 Overall Feedback :	**88**	**84**	**84**	**78**

Feedback about Institute	
Q.1 :- Whether the infrastructer facility are adequate ?	81
Q.2 :- Whether the Labs are properly organised ?	80
Q.3 :- Whether the Internate facility is up to the Mark ?	67
Q.4 :- Smooth Water and electrical supply available ?	74
Q.5 :- Services of library Extended to students are adequate ?	77
Q.6 :- Sport facilities ?	73
Q.7 :- Admin (Non-Teaching) Staff Services ?	84
Q.8 :- On Campus Drives organised by T&P are adequate?	85
Q.9 :- Training Provided by T&P department up to the mark?	86
Q.10 :- Overall feedback about T&P department ?	86
Total No of Feedbacks are : 30 Overall Feedbacks :	**79**

H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amt

Designed and Developed by
Prof. P. D. Soni, CSE Dept., PRPCEM, Amt

P. R. Pote Patil College of Engineering & Management

Feedback Report Computer Science & Engg. 8th SEM Sec B

Session: Summer 2018

Computer Science & Engg. 8th SEM Sec B Session: Summer 2018	Prof. M.S. BURANGE	Prof. M.P. RANDIVE	Prof. P.P. PAWADE	Prof. P.D. SONI
	AI	ES	SE	NS
Q.1 :- Whether the lecturers were well prepared, organized and course material is well structured?	93	92	91	93
Q.2 :- Was the Blackboard writing/ audio visual aids are clear and organized?	92	91	89	91
Q.3 :- Were the lecturer delivered with emphasis on fundamental concepts and with illustrative examples?	89	87	88	90
Q.4 :- Whether the Teacher engages classes regularly & maintains the discipline.	92	93	92	91
Q.5 :- Whether difficult topics were taught with adequate attention and ease?	92	92	89	92
Q.6 :- Was the teacher able to deliver lectures with good communication skills?	91	93	92	93
Q.7 :- Were you encouraged to ask Questions, to make lecturers interactive and lively?	90	90	90	91
Q.8 :- Whether the teacher was effective in preparing students for exams?	92	93	90	91
Q.9 :- Was the unit test evaluation fair and impartial and did it help you to improve?	91	92	92	89
Q.10 :- Whether teacher was always accessible to the students for counseling, guidance and solving queries off the classroom hours.	91	93	92	90
Total No of Feedbacks are : 39 Overall Feedback :	**91**	**92**	**90**	**91**

Feedback about Institute	
Q.1 :- Whether the infrastructer facility are adequate ?	85
Q.2 :- Whether the Labs are properly organised ?	87
Q.3 :- Whether the Internate facility is up to the Mark ?	82
Q.4 :- Smooth Water and electrical supply available ?	89
Q.5 :- Services of library Extended to students are adequate ?	88
Q.6 :- Sport facilities ?	88
Q.7 :- Admin (Non-Teaching) Staff Services ?	92
Q.8 :- On Campus Drives organised by T&P are adequate?	96
Q.9 :- Training Provided by T&P department up to the mark?	96
Q.10 :- Overall feedback about T&P department ?	96
Total No of Feedbacks are : 39 Overall Feedbacks :	**90**

H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg.
Amravati

P. R. Pote (Patil) College of Engineering & Management, Amravati

Action Taken Report

Name of Department/Facility: Computer Science & Engineering

Name of Activity: Student Feedback against Faculties

Feedback Taken: Session 2017-18 Feedback Analyzed: Session 2017-18

SN	Participant's issues raised/suggestions/lower attainment of questions	Observations	Action Taken
1	About blackboard writing / audio visual aids are clear and organized.	Suggestion from students about light on blackboard	Curtains requirement were given for classrooms
2	Was the lecture delivered with emphasis on fundamental concepts and with illustrative examples?	Case study approach may be introduced	Case study were included in explanations and assignments were given to them.
3	Effective in preparing students in exam.	Suggestions from students for model answer sheet for preparation of exam	Model Answer Sheet were prepared and provided to students.
4	Unit test evaluation fair and impartial and did it help to improve.	Evaluation process or steps fixed.	Evaluation of Unit Test paper is according to the Model Answer Sheet.
5	Encouraged to ask questions, to make lecture interactive and lively	Needed more interactive lectures	Participative games and team building interactive lectures were suggested

Feedback Committee Coordinator **HOD/IQAC Coordinator** **Principal**

Princ
P. R. Pote

P. R. Pote (Patil) College of Engineering & Management, Amravati

Action Taken Report

Name of Department/Facility: Computer Science & Engineering

Name of Activity: Student Feedback against Institute

Feedback Taken: Session 2017-18 Feedback Analyzed: Session 2017-18

SN	Participant's issues raised/suggestions/lower attainment of questions	Observations	Action Taken
1	Sport facilities	Sports facilities should be improved e.g., indoor basketball and badminton court should be prepared.	The requirement has been communicated to the teacher in-charge of sports, principal and the management committee.
2	Services of library Extended to students and adequate	Need to strengthen the library facilities	Text and reference book are mostly available to all the students, Subscriptions and online access for different activities will be given to all.
3	Whether Smooth Water and electrical supply available	Need Water supply on each floor	Was made available for each floor
4	Overall feedback about T&P department	Employability skills may be improved	Communication skills training, career action coaching management training leadership training were given to the students

Feedback Committee Coordinator **HOD/IQAC Coordinator** **Principal**

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions,

College of Engineering & Management, Amravati.

Department of Electrical Engineering

Shift-I

Year: Second **Section: SE-1** **Session: 2017-2018(W)**

S.N.	ROLL NO	NAME OF STUDENT	July.2017						August.2017						Sept.2017						Oct.2017						Average							
			M-II	NA	ERG	EDC	EMI	EVS	M-II	NA	ERG	EDC	EMI	EVS	M-II	NA	ERG	EDC	EMI	EVS	M-II	NA	ERG	EDC	EMI	EVS	M-II	NA	ERG	EDC	EMI	EVS		
			18	22	17	19	24	4	9	11	8	8	14	3	16	19	12	15	18	4	10	8	7	7	8	1	53	60	44	49	64	12	282	
1	A201	AMRUTA GAJANAN BHALERAO	18	21	16	18	23	4	8	11	7	7	14	3	15	18	12	15	17	4	10	5	6	5	6	1	51	55	41	45	60	12	264	93.62
2	A202	AMRUTA SANJAYRAO CHAUDHARY	17	22	15	19	23	3	6	11	8	8	13	3	16	18	12	15	17	4	10	7	6	6	6	0	49	58	41	48	59	10	265	93.97
3	A203	ASHA PUNJAJI BODKHE	13	18	13	16	20	2	8	9	8	7	12	3	16	19	12	15	18	4	10	8	6	6	6	1	47	54	39	44	56	10	250	88.65
4	A204	DHANSHREE RAJENDRA SONPAROTE	15	19	15	16	23	4	8	9	7	2	11	2	13	16	8	10	16	4	8	8	7	6	7	1	44	52	37	34	57	11	235	83.33
5	A205	DHANSHRI GANESH POHOKAR	13	18	12	13	23	2	6	8	5	5	9	3	11	13	8	8	16	3	9	5	7	5	8	1	39	44	32	31	56	9	211	74.82
6	A206	HIMANSHU SHARAD UMALE	17	21	16	18	23	3	8	9	7	4	13	1	12	13	10	10	16	3	6	8	6	6	8	1	43	51	39	38	60	8	239	84.75
7	A207	JIGISHA PRAKASH HIRPURKAR	18	21	16	19	24	4	7	8	7	4	11	1	14	18	11	13	17	3	6	7	7	7	6	0	45	54	41	43	58	8	249	88.30
8	A208	KALYANI PREMRAJ KAWANE	15	19	15	15	21	4	7	9	6	4	11	1	12	17	10	13	17	4	6	7	7	7	8	0	40	52	38	39	57	9	235	83.33
9	A209	MONIKA VINOD GHATOL	18	20	17	17	22	4	7	9	7	4	12	2	15	18	12	12	17	4	8	8	6	7	8	1	48	55	42	40	59	11	255	90.43
10	A210	OMKARESHWARI BHARAT KHUPSE	18	21	16	19	24	4	9	11	8	7	13	3	15	18	11	15	17	3	10	7	6	7	6	1	52	57	41	48	60	11	269	95.39
11	A211	PALLAVI RAJABHAU RAJGURE	16	21	15	16	20	4	6	8	6	5	9	2	8	18	9	14	15	3	4	6	6	5	8	0	34	53	36	40	52	9	224	79.43
12	A212	POOJA KISHOR KAMBLE	15	17	13	16	21	2	9	10	8	4	14	2	15	11	11	15	15	3	10	8	7	7	8	1	49	46	39	42	58	8	242	85.82
13	A213	POOJA VINODRAO KOPARE	17	21	15	18	23	3	8	8	7	4	10	3	9	17	8	13	14	3	8	5	5	4	7	0	42	51	35	39	54	9	230	81.56
15	A215	PRANJALI PANJABRAO BHISE	14	19	14	16	22	4	6	8	7	7	14	1	18	16	10	14	17	3	10	6	5	5	8	0	48	49	36	42	61	8	244	86.52
16	A216	RADHIKA NAGORAO MENDHE	15	19	13	17	19	3	8	9	8	8	14	2	16	18	12	15	18	4	10	8	6	6	7	1	49	54	39	46	58	10	256	90.78
17	A217	RAJASHRI SANJAYRAO THAKARE	16	20	15	18	22	3	9	9	7	7	13	2	15	17	12	11	18	4	10	8	6	6	8	1	50	54	40	42	61	10	257	91.13
18	A218	SAKSHI UMESHRAO HANDE	11	15	10	13	14	2	7	9	6	6	10	2	14	15	10	10	14	2	8	6	7	7	8	0	40	45	33	36	46	6	206	73.05
19	A219	SAMIKSHA RAVINDRA GATHE	14	17	15	15	17	3	7	7	6	8	10	3	14	14	8	12	17	4	8	6	6	6	7	0	43	44	35	41	51	10	224	79.43
20	A220	SHATAKSHI RAVI GUHE	13	14	9	12	20	3	6	5	6	5	10	3	9	10	6	6	14	3	10	6	7	6	8	1	38	35	28	29	52	10	192	68.09
21	A221	SHRUTI DEEPAK KHANDARE	18	21	16	18	22	3	6	8	6	4	8	1	14	16	12	14	18	4	10	7	6	5	8	0	48	52	40	41	56	8	245	86.88
22	A222	SONALI DEVIDASRAO KALASKAR	18	21	16	17	22	3	5	8	6	6	13	1	11	16	12	13	15	3	8	7	6	7	7	0	42	52	40	43	57	7	241	85.46
24	A224	VASANTI ARUN OPASE	16	20	15	18	23	3	7	10	7	7	13	3	16	16	12	13	18	4	10	8	7	7	8	1	49	54	41	45	62	11	262	92.91
25	A225	AMAN ARUNRAO DEOLE	13	21	15	18	23	3	7	10	7	8	14	3	16	19	11	11	18	4	10	8	7	7	8	1	46	58	40	44	63	11	262	92.91
26	A226	ABHAY SARNATH GEDAM	11	19	14	11	18	4	5	7	7	6	7	1	8	14	9	10	13	3	8	7	6	6	7	1	32	47	36	33	45	9	202	71.63
28	A228	AKASH VASANT KALDATE	11	11	4	7	10	0	6	5	6	6	12	1	9	11	11	12	13	3	9	4	6	5	8	1	35	31	27	30	43	5	171	60.64
29	A229	AKSHAY RAVINDRA PACHPOHE	15	16	15	12	22	3	7	9	7	7	13	2	12	15	12	13	17	4	8	8	6	6	7	0	42	48	40	38	59	9	236	83.69
30	A230	AMEYA NITINRAO ADSULE	8	10	6	8	14	2	6	8	8	5	11	1	8	14	10	11	16	4	6	6	6	6	7	1	28	38	30	30	48	8	182	64.54
31	A231	ANAND SHIVRAM JADHAV	14	19	12	13	20	3	6	7	5	7	10	1	16	16	10	13	15	2	10	6	6	7	7	1	46	48	33	40	52	7	226	80.14

32	A232	ARPIT RAMESH WARDHE	15	20	14	17	20	4	7	8	6	6	7	1	10	18	9	13	14	4	8	5	6	6	7	0	40	51	35	42	48	9	225	79.79
33	A233	ASHUTOSH SANTOSH GADEKAR	13	13	6	9	12	3	7	11	8	5	12	2	9	14	7	11	16	3	8	6	6	7	8	1	37	44	27	32	48	9	197	69.86
34	A234	AYUSH DILIP SHENDE	16	18	15	16	19	4	7	9	7	7	11	3	10	11	10	7	12	2	8	4	5	5	8	0	41	42	37	35	50	9	214	75.89
36	A236	CHARUDATT KAWADUJI WAKUDKAR	7	8	7	4	8	2	6	6	7	4	10	2	11	17	10	9	15	4	6	5	7	6	8	0	30	36	31	23	41	8	169	59.93
37	A237	DEVENDRA SUBHASHRAO LAWHALE	7	13	11	11	11	2	4	6	7	5	6	2	13	16	10	9	14	2	6	7	5	6	6	1	30	42	33	31	37	7	180	63.83
38	A238	INDRAKUMAR BHASKAR HOLE	14	14	10	10	13	3	4	8	7	5	10	1	6	0	1	4	7	3	4	0	1	2	5	0	28	22	19	21	35	7	132	46.81
39	A239	JAGDISH SANJAY SHINDE	18	19	16	17	21	4	7	7	7	5	10	3	10	14	9	9	15	4	10	7	6	7	8	1	45	47	38	38	54	12	234	82.98
42	A242	MOHAMMAD UMER MOHAMMAD IQBAL	15	20	16	16	21	3	9	10	7	6	14	3	12	17	11	10	18	3	10	8	4	7	8	1	46	55	38	39	61	10	249	88.30
43	A243	NIKHIL KARAMCHAND PIDURKAR	18	22	14	15	24	4	7	8	6	6	7	1	8	13	10	12	11	3	8	7	4	4	6	0	41	50	34	37	48	8	218	77.30
44	A244	NIKHIL SANJAY DHARME	18	22	16	18	24	4	9	11	7	8	12	1	16	17	10	13	14	4	10	6	6	7	8	0	53	56	39	46	58	9	261	92.55
45	A245	NISHIKANT JANRAO KALE	14	18	9	14	15	2	9	10	8	6	13	2	13	14	12	8	16	4	10	6	5	6	8	1	46	48	34	34	52	9	223	79.08
46	A246	PRANAV PRAMODRAO PANSE	12	11	13	14	17	2	8	10	8	7	11	1	13	10	7	9	12	3	8	1	4	5	6	0	41	32	32	35	46	6	192	68.09
47	A247	PRASAD ANIL TULSHAN	11	14	10	11	10	1	5	6	8	7	9	1	13	17	8	11	16	4	8	4	6	6	7	0	37	41	32	35	42	6	193	68.44
48	A248	PRASHANT SHRIKRUSHNA UMARKAR	10	17	12	12	17	2	8	9	8	8	11	3	13	14	10	14	14	4	8	4	5	5	7	1	39	44	35	39	49	10	216	76.60
49	A249	PRATHAMESH VIJAY AHERKAR	15	21	16	18	23	4	6	7	7	5	6	1	9	17	10	14	14	4	6	5	7	5	7	0	36	50	40	42	50	9	227	80.50
50	A250	RAHUL VIJAY MANEKAR	18	22	8	18	24	4	9	11	8	7	13	3	16	19	12	15	18	4	10	6	7	7	8	0	53	58	35	47	63	11	267	94.68
51	A251	ROHAN PRALHAD KANKANE	9	12	12	7	11	1	0	0	0	0	1	0	0	0	0	0	0	0	0	4	0	0	4	0	9	16	12	7	16	1	61	21.63
52	A252	RUPESH VILAS AAGDE	12	16	17	15	19	4	6	4	6	6	12	1	10	15	10	9	15	3	8	6	7	7	8	1	36	41	40	37	54	9	217	76.95
53	A253	SANGHADIP RATNAKAR WASNIK	18	22	13	19	24	4	9	10	5	8	13	3	15	18	11	12	18	4	10	8	7	7	8	1	52	58	36	46	63	12	267	94.68
54	A254	SANKET VILASRAO ASUTKAR	14	17	13	13	21	2	6	7	5	4	8	1	11	13	9	13	15	3	8	1	6	5	8	1	39	38	33	35	52	7	204	72.34
55	A255	SHUBHAM SHIVSAGAR WANKHADE	8	13	11	10	14	3	6	5	6	1	8	0	10	13	8	11	15	3	8	7	6	5	8	0	32	38	31	27	45	6	179	63.48
56	A256	TUSHAR KASHIRAM KUYATE	18	22	16	19	24	3	9	8	7	8	13	2	16	16	12	14	18	4	10	8	7	7	8	1	53	54	42	48	63	10	270	95.74
57	A257	VAIBHAV RAMDAS DHAKARE	15	16	7	16	15	4	8	8	5	5	9	1	14	15	12	13	16	4	10	5	7	7	8	0	47	44	31	41	48	9	220	78.01
58	A258	VICKY PRAVIN GAIKAWAD	11	13	8	14	14	2	6	7	7	5	10	2	13	13	9	8	14	3	8	7	4	6	7	1	38	40	28	33	45	8	192	68.09
59	A259	VISHWANATH RAMDAS KAIKADE	12	12	10	12	14	4	4	3	4	4	6	1	0	0	0	0	0	0	4	0	0	0	0	0	20	15	14	16	20	5	90	31.91
60	A260	SWAPNIL BHARAT RAMTEKE	15	16	13	13	22	2	4	10	6	4	10	0	8	14	9	9	15	4	4	8	6	6	7	1	31	48	34	32	54	7	206	73.05
61	A261	AKSHAY MILINDRAO CHAUDHARI	11	14	9	18	16	1	4	10	5	5	10	2	14	17	11	11	15	4	10	6	6	7	8	0	39	47	31	41	49	7	214	75.89
62	A262	YASH SANDIP MALTHANE	11	15	10	19	16	1	7	9	7	6	13	2	15	18	11	13	16	3	10	8	6	7	8	1	43	50	34	45	53	7	232	82.27
63	A263	AMOL CHENDHALANE	8	10	6	18	10	0	7	5	6	3	13	1	5	6	9	9	11	2	4	7	5	5	8	0	24	28	26	35	42	3	158	56.03
64	A264	AKANSHA AVADHUTRAO SHRISATH	4	5	3	4	7	0	5	8	8	5	14	2	16	19	12	15	18	4	10	8	7	7	8	1	35	40	30	31	47	7	190	67.38
65	A265	SAMRUDHHI SHIVAJIRAO DESHMUKH	0	0	3	6	7	0	7	8	8	5	11	3	12	17	10	13	17	3	10	4	4	5	7	0	29	29	25	29	42	6	160	56.74
66	A266	VAIBHAV HARIDAS WAKDE	5	3	3	6	7	4	6	7	6	7	11	2	15	18	12	15	18	4	10	8	7	7	8	1	36	36	28	35	44	11	190	67.38
67	A267	KAMESH SUNILRAO THAKRE	5	3	3	4	6	0	8	11	8	6	12	0	15	17	11	15	17	4	10	7	6	6	8	0	38	38	28	31	43	4	182	64.54
68	A268	NIKHIL JAIRAM MADAVI	0	1	0	1	3	0	0	0	0	8	2	0	4	0	3	3	6	2	6	0	0	0	0	0	10	1	3	12	11	2	39	13.83
69	A269	MADHVI KUSHAL INGLE	18	22	17	19	24	4	9	11	8	8	14	3	12	14	9	15	15	2	10	8	4	5	8	0	49	55	38	47	61	9	259	91.84
70	A270	MAYURI DADARAO KAPSE	18	22	17	19	24	4	9	11	8	8	14	3	14	13	11	15	14	3	10	7	5	5	8	1	51	53	41	47	60	11	263	93.26
71	A271	NEHA LAXMAN NEWARE	18	22	17	19	24	4	9	11	8	8	14	3	14	14	12	11	17	2	10	8	6	6	8	1	51	55	43	44	63	10	266	94.33

72	A272	PAYAL SHUBSHAS WALDE	18	22	17	19	24	4	9	11	8	8	14	3	16	15	12	14	15	1	10	8	7	6	6	1	53	56	44	47	59	9	268	95.04
73	A273	POOJA SUDHAKAR KAMBLE	18	22	17	19	24	4	9	11	8	8	14	3	13	13	10	11	13	1	8	7	6	6	8	1	48	53	41	44	59	9	254	90.07
74	A274	PRIYANKA MADANRAO PARALE	18	22	17	19	24	4	9	11	8	8	14	3	14	14	11	14	17	3	16	8	6	5	8	0	57	55	42	46	63	10	273	96.81
75	A275	ROHINI KISHOR DESHMUKH	18	22	17	19	24	4	9	11	8	8	14	3	13	13	10	11	13	1	10	4	7	5	8	0	50	50	42	43	59	8	252	89.36
76	A276	SAPNA LAXMAN KALE	18	22	17	19	24	4	9	11	8	8	14	3	13	14	11	14	15	4	10	7	6	6	7	1	50	54	42	47	60	12	265	93.97
77	A277	SHRUTIKA VIJAYRAO DABHALE	18	22	17	19	24	4	9	11	8	8	14	3	11	12	12	9	16	4	8	7	6	6	8	1	46	52	43	42	62	12	257	91.13
78	A278	ASHVIN YASHVANT GAHANE	18	22	17	19	24	4	9	11	8	8	14	3	15	14	12	12	18	4	10	8	7	7	8	1	52	55	44	46	64	12	273	96.81
79	A279	GAURAV SANJAY ZOPATE	18	22	17	19	24	4	9	11	8	8	14	3	14	13	12	14	16	4	8	7	6	6	8	1	49	53	43	47	62	12	266	94.33
80	A280	HARSH NARAYAN DHAWALE	18	22	17	19	24	4	9	11	8	8	14	3	13	14	12	14	15	2	8	8	6	6	7	0	48	55	43	47	60	9	262	92.91
81	A281	RUSHIKESH MANOHARRAO GUJARKAR	18	22	17	19	24	4	9	11	8	8	14	3	14	15	11	14	18	3	10	8	7	7	8	1	51	56	43	48	64	11	273	96.81
82	A282	SANDESH PREMDAS CHAUDHARI	18	22	17	19	24	4	9	11	8	8	14	3	15	15	12	15	15	4	10	8	7	7	7	1	52	56	44	49	60	12	273	96.81
83	A283	SHUBHAM RAJKUMAR WAWARE	18	22	17	19	24	4	9	11	8	8	14	3	0	0	2	4	4	2	0	2	0	0	5	0	27	35	27	31	47	9	176	62.41

H.O.D. (Elect. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

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P. R. Pote[illegible]atil) Education & Welfare Trust's Group of I[illegible]itutions,
College of Engineering & Management, Amravati.
Department of Electrical Engineering
Shift-I

Year: 2nd Year **Section: SE-I** **Session: 2017-2018(S)**

S.N.	ROLL NO	NAME OF STUDENT	January					February					March & April					Average Attendance in %						%
			EMC-I	EMT	ADC	M-IV	NMCP	EMC-I	EMT	ADC	M-IV	NMCP	EMC-I	EMT	ADC	M-IV	NMCP	EMC-I	EMT	ADC	M-IV	NMCP	Total	
			19	16	19	21	17	12	18	11	16	11	19	21	17	22	19	50	55	47	59	47	258	
1	A201	KU.AKANSHA SIRSAT	19	14	19	20	15	12	18	11	16	11	19	21	16	22	18	50	53	46	58	44	251	97.29
2	A202	KU.AMRUTA GAJANAN BHALERAO	19	14	19	19	16	12	16	11	16	11	19	15	15	21	18	50	45	45	56	45	241	93.41
3	A203	KU.AMRUTA SANJAYRAO CHAUDHARY	17	14	17	16	15	9	11	8	14	8	19	21	17	22	19	45	46	42	52	42	227	87.98
4	A204	KU.ASHA PUNJAJI BODKHE	18	15	17	17	16	9	13	8	14	8	19	18	15	22	18	46	46	40	53	42	227	87.98
5	A205	KU.DHANSHREE RAJENDRA SONPAROTE	17	13	15	13	14	8	10	8	11	8	16	10	12	16	17	41	33	35	40	39	188	72.87
6	A206	KU.DHANSHRI GANESH POHOKAR	13	7	10	11	5	4	2	5	10	4	15	3	8	11	11	32	12	23	32	20	119	46.12
7	A207	KU.HIMANSHU SHARADCHANDRA UMALE	15	8	10	11	12	11	13	11	14	10	19	19	15	19	18	45	40	36	44	40	205	79.46
8	A208	KU.JIGISHA PRAKASH HIRPURKAR	16	11	14	17	10	8	12	4	13	5	18	10	17	18	18	42	33	35	48	33	191	74.03
9	A209	KU.KALYANI PREMRAJ KAWANE	18	15	18	15	14	9	12	7	13	7	18	8	16	13	17	45	35	41	41	38	200	77.52
10	A210	KU.MADHVI KUSHAL INGLE	16	11	16	16	15	5	11	7	12	5	16	8	10	16	17	37	30	33	44	37	181	70.16
11	A211	KU.MAYURI DADARAO KAPSE	18	14	17	18	15	9	16	8	14	8	18	19	14	19	19	45	49	39	51	42	226	87.60
12	A212	KU.MONIKA VINOD GHATOL	19	14	19	19	15	12	18	11	16	11	19	21	17	21	19	50	53	47	56	45	251	97.29
13	A213	KU.NEHA LAXMAN NEWARE	17	15	17	17	15	11	17	9	16	8	19	17	17	21	19	47	49	43	54	42	235	91.09
14	A214	KU.OMKARESHWARI BHARAT KHUPSE	19	14	18	18	16	11	15	9	15	9	19	21	17	22	19	49	50	44	55	44	242	93.80
15	A215	KU.PALLAVI RAJABHAU RAJGURE	15	9	12	10	13	10	16	9	13	9	17	13	11	12	19	42	38	32	35	41	188	72.87
16	A216	KU.PAYAL SHUBSHAS WALDE	15	14	12	16	15	10	13	8	14	8	18	20	15	21	17	43	47	35	51	40	216	83.72
17	A217	KU.POOJA KISHOR KAMBLE	16	13	16	17	14	12	18	11	15	11	19	18	16	20	18	47	49	43	52	43	234	90.70
18	A218	KU.POOJA SUDHAKAR KAMBLE	17	13	17	15	13	10	14	8	9	8	16	9	8	18	17	43	36	33	42	38	192	74.42
19	A219	KU.POOJA VINODRAO KOPARE	18	13	15	19	13	9	15	7	13	9	19	12	14	16	18	46	40	36	48	40	210	81.40
20	A220	KU.PRANJALI PANJABRAO BHISE	18	13	14	16	14	7	13	7	13	7	17	14	9	12	14	42	40	30	41	35	188	72.87
21	A221	KU.PRIYANKA MADANRAO PARALE	17	12	17	16	15	5	12	7	14	5	18	8	12	16	17	40	32	36	46	37	191	74.03
22	A222	KU.RADHIKA NAGORAO MENDHE	19	15	17	15	14	9	12	7	13	8	19	20	17	22	18	47	47	41	50	40	225	87.21
23	A223	KU.RAJASHRI SANJAYRAO THAKARE	19	15	17	19	16	10	15	10	10	8	19	21	17	22	18	48	51	44	51	42	236	91.47
24	A224	KU.ROHINI KISHOR DESHMUKH	8	6	8	7	8	7	11	6	14	6	13	6	12	10	14	28	23	26	31	28	136	52.71
25	A225	KU.SAKSHI UMESHRAO HANDE	18	13	17	16	12	9	12	8	13	8	19	19	17	19	19	46	44	42	48	39	219	84.88
26	A226	KU.SAMIKSHA RAVINDRA GATHE	17	12	15	13	10	7	14	8	12	7	17	14	13	17	17	41	40	36	42	34	193	74.81
27	A227	KU.SAMRUDHHI DESHMUKH	13	9	11	13	7	9	13	10	11	8	14	4	8	12	15	36	26	29	36	30	157	60.85
28	A228	KU.SAPNA LAXMAN KALE	19	13	17	20	14	11	16	10	16	11	18	12	15	20	16	48	41	42	56	41	228	88.37
29	A229	KU.SHATAKSHI RAVI GUHE	14	9	9	12	6	5	3	6	8	5	9	3	6	16	8	28	15	21	36	19	119	46.12
30	A230	KU.SHRUTI DEEPAK KHANDARE	16	12	15	11	12	11	14	8	14	10	13	7	8	11	16	40	33	31	36	38	178	68.99
31	A231	KU.SHRUTIKA VIJAYRAO DABHALE	17	14	17	19	15	10	14	11	13	11	19	17	16	21	17	46	45	44	53	43	231	89.53
32	A232	KU.SONALI DEVIDASRAO KALASKAR	17	12	18	18	15	11	16	10	15	9	19	18	16	22	18	47	46	44	55	42	234	90.70
33	A233	KU.VASANTI ARUN OPASE	17	14	17	19	15	11	18	10	14	11	19	17	15	21	17	47	49	42	54	43	235	91.09
34	A234	ABHAY SARNATH GEDAM	16	10	17	11	10	11	5	6	7	8	11	6	11	10	10	38	21	34	28	28	149	57.75
35	A235	AKASH VASANT KALDATE	15	5	8	13	6	5	0	1	4	5	12	8	5	8	12	32	13	14	25	23	107	41.47
36	A236	AKSHAY CHAUDHARI	18	12	17	7	16	8	13	7	12	9	14	5	7	8	14	40	30	31	27	39	167	64.73
37	A237	AKSHAY RAVINDRA PACHPOHE	17	14	16	20	14	11	14	10	14	10	19	13	11	20	15	47	41	37	54	39	218	84.50
38	A238	AMAN ARUNRAO DEOLE	17	15	18	19	16	9	16	10	16	9	19	21	17	17	17	45	52	45	52	42	236	91.47
39	A239	AMEYA NITINRAO ADSULE	16	11	18	14	14	6	5	5	10	6	14	4	14	15	19	36	20	37	39	39	171	66.28

S.N.	ROLL NO	NAME OF STUDENT	January					February					March & April					Average Attendance in %						%
			EMC-I	EMT	ADC	M-IV	NMCP	EMC-I	EMT	ADC	M-IV	NMCP	EMC-I	EMT	ADC	M-IV	NMCP	EMC-I	EMT	ADC	M-IV	NMCP	Total	
			19	16	19	21	17	12	18	11	16	11	19	21	17	22	19	50	55	47	59	47	258	
40	A240	AMOL CHENDHALANE	8	6	10	10	5	8	7	7	12	6	6	4	4	8	9	22	17	21	30	20	110	42.64
41	A241	ANAND SHIVRAM JADHAV	16	5	10	11	6	7	5	6	9	7	13	5	10	7	11	36	15	26	27	24	128	49.61
42	A242	ARPIT RAMESH WARDHE	14	11	13	11	7	6	10	7	14	6	15	9	12	16	17	35	30	32	41	30	168	65.12
43	A243	ASHUTOSH SANTOSH GADEKAR	8	5	5	11	8	9	10	3	10	8	8	1	3	5	11	25	16	11	26	27	105	40.70
44	A244	ASHVIN YASHVANT GAHANE	18	12	16	10	14	8	14	8	14	8	18	7	11	15	16	44	33	35	39	38	189	73.26
45	A245	AYUSH DILIP SHENDE	14	10	13	13	12	10	8	10	11	10	9	3	7	14	11	33	21	30	38	33	155	60.08
46	A246	CHARUDATT KAWADUJI WAKUDKAR	17	13	19	18	14	8	13	8	14	8	15	10	6	17	13	40	36	33	49	35	193	74.81
47	A247	DEVENDRA SUBHASHRAO LAWHALE	17	9	16	9	15	8	10	6	11	8	11	6	12	19	14	36	25	34	39	37	171	66.28
48	A248	GAURAV SANJAY ZOPATE	19	15	19	18	15	12	18	11	15	11	19	17	15	21	18	50	50	45	54	44	243	94.19
49	A249	HARSH NARAYAN DHAWALE	19	15	17	17	16	11	13	10	14	7	19	21	17	20	19	49	49	44	51	42	235	91.09
50	A250	INDRAKUMAR BHASKAR HOLE	7	5	6	11	0	8	5	7	10	6	7	9	6	19	2	22	19	19	40	8	108	41.86
51	A251	JAGDISH SANJAY SHINDE	17	15	19	16	15	10	16	8	16	8	18	12	16	18	18	45	43	43	50	41	222	86.05
52	A252	KAMESH THAKRE	18	16	18	19	16	12	16	11	16	11	19	17	17	21	18	49	49	46	56	45	245	94.96
53	A253	MD. UMER MOHAMMAD IQBAL	17	16	18	21	16	12	13	9	14	11	18	20	16	22	14	47	49	43	57	41	237	91.86
54	A254	NIKHIL KARAMCHAND PIDURKAR	12	10	13	15	12	8	9	6	15	7	16	17	17	22	17	36	36	36	52	36	196	75.97
55	A255	NIKHIL MADAVI	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7	0	7	2.71
56	A256	NIKHIL SANJAY DHARME	19	14	17	17	14	11	15	9	12	8	19	17	13	21	17	49	46	39	50	39	223	86.43
57	A257	NISHIKANT JANRAO KALE	14	7	12	14	13	8	11	7	9	8	15	18	16	20	17	37	36	35	43	38	189	73.26
58	A258	PRANAV PRAMODRAO PANSE	0	0	4	8	0	0	0	1	6	0	0	0	0	0	0	0	0	5	14	0	19	7.36
59	A259	PRASAD ANIL TULSHAN	13	6	9	13	6	9	14	7	15	8	15	6	8	10	10	37	26	24	38	24	149	57.75
60	A260	PRASHANT SHRIKRUSHNA UMARKAR	17	9	15	11	10	10	15	9	15	10	15	10	11	18	17	42	34	35	44	37	192	74.42
61	A261	PRATHAMESH VIJAY AHERKAR	14	13	15	9	10	9	10	9	13	8	15	9	11	17	18	38	32	35	39	36	180	69.77
62	A262	RAHUL VIJAY MANEKAR	19	16	19	18	17	12	18	11	16	11	19	12	17	20	19	50	46	47	54	47	244	94.57
63	A263	ROHAN PRALHAD KANKANE	13	7	10	12	9	0	0	0	5	0	10	5	6	13	10	23	12	16	30	19	100	38.76
64	A264	RUPESH VILAS AAGDE	15	8	14	17	11	8	10	7	11	8	18	12	12	19	14	41	30	33	47	33	184	71.32
65	A265	RUSHIKESH MANOHARRAO GUJARKAR	18	15	19	19	17	11	11	8	11	7	18	20	14	19	17	47	46	41	49	41	224	86.82
66	A266	SANDESH PREMDAS CHAUDHARI	19	11	18	19	14	11	17	8	15	8	19	20	17	18	17	49	48	43	52	39	231	89.53
67	A267	SANGHADIP RATNAKAR WASNIK	19	15	19	21	16	12	18	9	15	11	19	21	17	21	19	50	54	45	57	46	252	97.67
68	A268	SANKET VILASRAO ASUTKAR	13	4	12	14	6	9	6	7	9	6	13	4	4	3	12	35	14	23	26	24	122	47.29
69	A269	SHUBHAM RAJKUMAR WAWARE	12	7	11	12	7	11	13	9	14	7	9	6	5	3	6	32	26	25	29	20	132	51.16
70	A270	SHUBHAM SHIVSAGAR WANKHADE	13	7	11	14	8	5	7	6	11	5	7	4	7	4	13	25	18	24	29	26	122	47.29
71	A271	SWAPNIL RAMTEKE	16	9	15	14	14	11	10	7	13	10	17	4	8	14	13	44	23	30	41	37	175	67.83
72	A272	TUSHAR KASHIRAM KUYATE	19	16	19	20	17	11	17	10	16	11	15	11	16	16	17	45	44	45	52	45	231	89.53
73	A273	VAIBHAV RAMDAS DHAKARE	18	10	15	17	13	12	16	11	14	11	16	15	12	19	16	46	41	38	50	40	215	83.33
74	A274	VAIBHAV WAKDE	15	14	18	13	14	12	15	9	16	11	17	14	16	17	17	44	43	43	46	42	218	84.50
75	A275	VICKY PRAVIN GAIKAWAD	15	10	18	16	11	11	10	8	13	10	16	5	13	17	15	42	25	39	46	36	188	72.87
76	A276	YASH MALTHANE	18	16	18	19	17	12	16	10	14	11	19	21	17	22	19	49	53	45	55	47	249	96.51

H.O.D. (Elect. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote (Patil) Education & Welfare Trust's Group of Institution College of Engineering & Management, Amravati

April ~~Feb~~.- 2018

SrNo	Faculty Name	Department	Total CL	CL Taken	CL Remaining	Total ML	ML Taken	ML Remaining	DL Taken	LWP	Compensation	Compensation	Excess
1	Dr. Sandeep G. Fale	Mechanical	10	2	0.5	10	0	0	0	0	4		
2	Mr. Pankaj S. Ardak	Mechanical	10	1	0	10	0	2	0	0	0		
3	Mr. Shrikant P. Yeole	Mechanical	10	0	0	5	0	0	1	0	0		
4	Manish G. Walecha	Mechanical	10	1.5	0.5	5	0	0	2	0	2.5		
5	Pawan K. Shivankar	Mechanical	10	0	0	5	0	0	0	0	2		
6	Mr. Ganesh S. Mahalle	Mechanical	10	1	0	5	0	2	6	0	0		
7	Abdul Sayeed AW Shaikh	Mechanical	10	4.5	2	5	0	1	0	0	2		
8	Mr. Rajesh K. Kulkarni	Mechanical	10	5	0	5	0	5	0	0	2.5		
9	Ms. Ashwini T. Bundele	Mechanical	10	0	1.5	5	0	0	0	0	0		
10	Ms. Sweta S. Dhoke	Mechanical	10	0	0	5	3	0	0	0	0		
11	Mr. Shrikant G. Dalu	Mechanical	10	5	0	5	4	0	0	0	0		
12	Mr. Kapil N. Kariya	Mechanical	10	1	0	5	2	0	0	0	0		
13	Mr. Pankaj G. Patil	Mechanical	10	1	2	5	0	2	0	0	0		
14	Mr. Swapnil B. Patond	Mechanical	10	1	3.5	0	0	0	0	0	0		
15	Mr. Rajesh S. Pokale	Mechanical	10	3	1	10	0	6	0	0	0		
16	Mr. Suraj A. Garud	Mechanical	10	0	0	5	0	0	0	0	0		1 lwp
17	Mr. Swapnil J. Deshmukh	Mechanical	10	2	2	5	4	1	0	0	0		
18	Mr. Vijay G. Gore	Mechanical	10	2	0.5	10	0	8	4	0	0		
19	Mr. Shridhar S. Mendhe	Mechanical	10	3	2	0	0	0	3	0	2		1 lwp
20	Mr. Dinesh K. Chavhan	Mechanical	10	0	0	0	0	0	0	0	0		
21	Mr. Sagar Khade	Mechanical	10	1.5	1	5	4	0	0	0	0		
22	Mr. Sagar Bhagwatkar	Mechanical	10	0	0	5	4	0	0	0	0		
23	Harshita Umale	Mechanical	10	0.5	0	0	0	0	0	0	0		2 lwp
24	Piyush Jane	Mechanical	10	0	0	0	0	0	0	0	0		2 lwp
25	Mr. Prakash. B. Ingle	Mechanical	10	0	0.5	10	0	2	0	0	0		
26	Mohd. Zuhair	Civil	10	0	5	10	0	10	0	0	0		
27	Mohd. Abdul Rehman	Civil	10	0.5	4	5	5	0	0	0	0		1 lwp
28	Snehal R. Shirbhate	Civil	10	1	0	5	2	1	0	0	0		
29	Pallavi A. Deshmukh	Civil	10	0	0	5	2	1	0	0	0		
30	Manish S. Deshmukh	Civil	10	0	9	0	0	0	1	0	0		
31	Amit R. Wadnerkar	Civil	10	1	3.5	5	0	2	0	0	0		

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32	Nitesh K. Chavhan	Civil	10	1	0	5	0	0	0	0	0		4 lwp
33	Subodh V. Dhoke	Civil	10	0	6	5	0	4	0	0	0		
34	Ramakant Ingole	Civil	10	0	0	0	0	0	2	0	0		4 lwp
35	Mr. Sachin Saraf	Civil	10	0	3.5	10	1	6	0	0	0		
36	Mr. Nilesh Bhople	Civil	10	0	2.5	10	0	10	1	0	0		1 lwp
37	Mr. Anup K. Chitkeshwar	Civil	10	0	1	10	2	5	0	0	0		
38	Ms. Rina D. Wadhai	Civil	10	2	0	5	0	0	0	0	0		
39	Ms.Tejaswini S. Junghare	Civil	10	1.5	2	5	0	0	0	0	0		
40	VIjay Gadicha	CSE	10	0	2	10	0	10	1	0	2		
41	Ms. Komal B. Bijwe	CSE	10	0.5	0	10	1	5	0	0	1		
42	Mayur S. Burange	CSE	10	0	-1	10	0	0	4	0	0		
43	Praful B. Sambhare	CSE	10	1.5	1.5	5	3	2	0	0	2		
44	Deepak C. Dhanwani	CSE	10	0	0.5	5	0	0	0	0	0		
45	Abhishek R. Ladole	CSE	10	2	1	5	0	4	0	0	2		
46	Sumit S. Sagane	CSE	10	0	1.5	0	0	0	1	0	0		
47	Ms. Krutika K. Chhajed	CSE	10	0	1.5	10	0	8	1	0	0		5 lwp
48	Ms. Sakshi S. Deshmukh	CSE	10	0	2.5	0	0	0	0	0	0		1 lwp
49	Mr. Mohd Naved-UL-Haque	CSE	10	0.5	0	0	0	0	0	0	0		
50	Chetan S. Deshmukh	CSE	10	0	-2	0	0	0	0	2	0		2 lwp
51	Ms. Prachi V. Kale	CSE	10	5	0.5	10	0	10	0	0	0		
52	Falesh M. Shelke	CSE	10	0	2.5	5	0	0	0	0	0		
53	Ankush V. Dahat	CSE	10	0	0.5	5	2	3	0	0	0		4 lwp
54	Atul K. Jamnekar	CSE	10	1	3	5	0	4	0	0	0		
55	Sagar D. Pande	CSE	10	2	2.5	0	0	0	0	0	0		
56	Anup P. Date	CSE	10	3	3	0	0	0	2	0	0		
57	Ms. Sneha R. Sontakke	CSE	10	2	2.5	5	0	5	0	0	0		
58	Mr. Nikhil E. Karale	CSE	10	3	3	0	0	0	0	0	0		
59	Sarika Gujar	CSE	10	0	0	0	0	0	0	0	0		1 lwp
60	Radhika Yawale	CSE	10	0	0	0	0	0	0	0	0		
61	Mr. Chetan Shelke	CSE	10	0	4.5	10	0	7	0	0	0		
62	Mr. Pravin Soni	CSE	10	1	4	10	0	7	0	0	0		
63	Ms. Vaishali Bhagat	CSE	10	1	1.5	10	0	10	0	0	0		
64	Ms. Parnal Pawde	CSE	10	0	2	10	0	6	0	0	2		
65	Mr. Arvind Kapse	CSE	10	0	0	10	0	10	7	0	0		
66	Mr. Ajay Gadicha	CSE	10	0	6.5	10	0	8	6	0	0		

67	Ms. Puja Tekade	CSE	10	0	0	5	0	0	2	0	0		
68	Suraj Dhole	CSE	10	0	1	0	0	0	0	0	1		
69	Sanjivanee Kale	CSE	10	0	0.5	0	0	0	0	0	0		
70	Roshan Bhure	CSE	10	0	0	0	0	0	0	5	0		13 lwp
71	Dr. Sanjay B. Warkad	Electrical	10	0	0	10	0	0	0	0	0		1 lwp
72	Mr. Atul A. Ghute	Electrical	10	3	1	10	0	8	6	0	0		
73	Mrs. Yogita Khair	Electrical	10	0	1	10	0	6	0	0	0		
74	Mr. Atul D. Tekade	Electrical	10	0	1	5	0	1	6	0	0		
75	Mr. Aamir Abid Malik	Electrical	10	1	5	0	0	0	0	0	0		
76	Mr. Aniket H. Hade	Electrical	10	1	5	0	0	0	0	0	0		1 lwp
77	Ms. Sneha V. Pande	Electrical	10	1	1	0	0	0	0	0	0		1 lwp
78	Ms. Mayuri R. Natkut	Electrical	10	3.5	1	0	0	0	0	0	0		
79	Pallavi M. Mankar	Electrical	10	0.5	1.5	10	0	10	0	0	3		
80	Pankaj S. Varma	Electrical	10	0	4	5	0	5	0	0	0		3 lwp
81	Mr. Tausif A. Mohammad	Electrical	10	0	0	0	0	0	0	0	0		
82	Mayuri S. Thakare	Electrical	10	0	0	0	0	0	0	0	0		23 lwp
83	Mr. Jugal B. Mokalkar	Electrical	10	1	1	0	0	0	0	0	0		
84	Mr. Ashish N. Kakde	Electrical	10	1	1	0	0	0	0	0	0		
85	Hemant S. Kulat	Electrical	10	1	0.5	10	1	0	0	0	6		2 lwp
86	Mr Deepak A. Shahakar	Electrical	10	0	0	10	0	8	0	0	0		
87	Ms Pritee Rane	Electrical	10	1	1	10	3	4	0	0	0		
88	Ms. Aparna Telang	Electrical	10	1	0	10	0	6	0	0	0		
89	Ms. Pratiksha V. Junghare	Electrical	10	0.5	1	5	0	5	0	0	5		17 lwp
90	Ms. Nikita Sawade	Electrical	10	1	2	5	0	3	0	0	0		
91	Mr. Ashish K. Duchakke	Electrical	10	0	2	5	0	5	0	0	0		1 lwp
92	Mr. Shashibhushan Sahu	Electrical	10	0	9	0	0	0	0	0	0		1 lwp
93	Ms. Prajakta A. Vinchurkar	Electrical	10	0	0	0	0	0	0	0	0		1 lwp
94	Rashmi Sonone	Electrical	10	0	0.5	5	0	0	0	0	0		
95	Ms. Priyanka Lohiya	Electrical	10	0	0	0	0	0	0	0	0		30 lwp
96	Mr. Abhinav G. Khandekar	Electrical	10	2	0	0	0	0	0	0	0		
97	Ms. Shraddha Kohale	Electrical	10	0	1.5	0	0	0	0	0	0		10 lwp
98	Akshay Pundkar	Electrical	10	2	1.5	0	0	0	3	0	0		
99	Mr. Rahul D. Ghongade	EXTC	10	0	0	10	0	10	0	0	1		
100	Mr. Prashant N. Pusdekar	EXTC	10	0	0	10	0	5	0	0	0		1 lwp
101	Mr. Bhushan R. Mankar	EXTC	10	0	0	5	0	4	0	0	0		

102	Mr. Suryakant P. Bhonge	EXTC	10	0	0	5	1	0	3	0	0		
103	Ms. Jyoti J. Zunzunwala	EXTC	10	0	1	5	1	1	0	0	0		
104	Mr. Vishal B. Langote	EXTC	10	0	0.5	5	1	0	2	0	0		
105	Mr. Mahendra P. Randive	EXTC	10	0	0	5	0	0	0	0	2		
106	Mr. Gajanan D. Nagoshe	EXTC	10	1	0	10	0	10	0	0	0		1 lwp
107	Aniket Pawade	EXTC	10	0	0.5	0	0	0	0	0	1		
108	Dewal Patne	EXTC	10	0	3.5	0	0	0	0	0	0		
109	Mr. Umesh Hore	EXTC	10	0	0.5	10	0	3	3	0	0		
110	Mr. Akshay Dhande	EXTC	10	2	0	10	1	3	0	0	0		
111	Mr. Vishal Padole	EXTC	10	1	1	10	0	6	1	0	0		
112	Ms. Rupal M. Walli	EXTC	10	0	8	5	0	4	0	0	0		1 lwp
113	Ms. Sunpreet Kaur Nanda	EXTC	10	1	0	10	0	2	0	0	0		
114	Mr. Rupesh Sushir	EXTC	10	0	0.5	5	0	2	0	0	0		2 lwp
115	Snehal Tingane	EXTC	10	0.5	0	0	0	0	0	2	0		2 lwp
116	GopalKrishna D Dalvi	EXTC	10	5	0	10	0	10	0	0	0		
117	Mr. Parag Wadnerkar	First Year	10	1.5	1.5	10	0	6	0	0	0		
118	Dr. Nilima Kalambe	First Year	10	0	0	10	0	0	0	0	0		2 lwp
119	Mr. G. B. Malviya	First Year	10	2	4	10	0	8	0	0	0		
120	Dr. Nilesh R. Thakare	First Year	10	2.5	2	10	0	6	0	0	0		
121	Sarika P. Shahare	First Year	10	1	0.5	5	0	0	0	0	0		
122	Ms. Sheetal S. Nerkar	First Year	10	1.5	0	5	1	4	0	0	1		
123	Ms. Simi S. Khan	First Year	10	1.5	2.5	5	0	0	0	0	0		
124	Mr. Sachin H. Telkhade	First Year	10	0	-0.5	5	0	0	0	1	0		1 lwp
125	Sandip A. Thakare	First Year	10	1	0.5	5	1	0	0	0	0		
126	Mr. Kundan S. Lilhare	First Year	10	0	-0.5	0	0	0	0	0	2		1 lwp
127	Ms. Shilpa A. Khapare	First Year	10	1	2	10	0	8	0	0	0		
128	Mr. Ajay W. Mahore	First Year	10	0	3	10	0	10	0	0	0		1
129	Manisha Golchha	First Year	10	1	4.5	0	0	0	0	0	0		
130	Mr. Yogesh Vyawahare	First Year	10	1.5	0	5	0	1	0	0	0		
131	Dr. Nitesh Chore	First Year	10	1	3	5	0	2	0	0	0		
132	Savi Shende	First Year	10	0	10	0	0	0	0	0	0		
133	Sarika Bhojane	First Year	10	0	0	10	4	8	0	0	0		
134	Dr. Amol D.Bhoyar	First Year	10	0	6	10	0	10	0	0	0		3 lwp
135	Dr. Smita A. Patil	First Year	10	0	0	5	0	0	0	0	0		1 lwp
136	Mr. Parikshit Deshmukh	First Year	10	0	6	5	0	5	0	0	0		

137	Ms. Jyotsna S. Wath	First Year	10	0	0	5	0	0	0	0	1		1 lwp
138	Mr.Hemant R. Dhanbhar	First Year	10	1	0.5	5	0	2	0	0	0		
139	Mr. Shashibhushan Mishra	First Year	10	0	0	10	0	0	0	4	0		4 lwp
140	Mr. Sachin A. Jalit	First Year	10	2	-1	10	0	10	0	0	0		1 lwp
141	Mr. Roshan V. Ambadkar	First Year	10	0.5	0	0	0	0	0	0	0		
142	Mr. Sagar V. Sonkhaskar	First Year	10	3.5	0.5	0	0	0	0	0	0		2 lwp
143	Shweta Chandure	First Year	10	0	0	0	0	0	0	0	0		6 lwp
144	Yogesh Kadu	First Year	10	2.5	7	0	0	0	0	0	0		
145	Sagar R. Shah	MBA	10	1	4	10	0	10	0	0	0		
146	Vishal A. Ingole	MBA	10	2.5	3.5	5	0	5	0	0	6		
147	Prachi Nimbhorkar	MBA	10	0	0.5	5	0	0	0	2	0		2 lwp
148	Ashvini N. Tondre	MBA	10	0	0	5	0	4	0	0	0		
149	Nikhilesh S. Kariya	MBA	10	0	2	5	1	2	0	0	0		
150	Mr. Sachin B. Kadu	MBA	10	0	1	0	0	0	0	0	0		
151	Mahek Iram Qureshi	MBA	10	0	0	0	0	0	0	3	0		3 lwp
152	Sanjeev Singh	MBA	10	1	0	5	0	0	0	3	2		3 lwp
153	Ms. Monika D. Upadhayay	MBA	10	0	10	5	0	5	0	0	0		
154	Dr. Chitra A. Dhawale	MCA	10	0	0.5	5	0	5	0	0	0		
155	Prashant S. Thombare	MCA	10	0	9	10	0	10	0	0	0		
156	Aparna Bhande	MCA	10	0	0	5	0	0	0	1	0		1 lwp
157	Vijay M. Kale	MCA	10	0	0	5	1	0	1	5	0		9 lwp
158	Sandip M. Jadhav	MCA	10	2	2.5	5	0	5	0	0	0		
159	Ms. Rachana V. Mahule	MCA	10	0	0	5	0	1	0	0.5	0		.5 lwp

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

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Session 2017-18

6.2 Strategy Development and Deployment

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2.	Portfolios (Institute level)	--	27-30
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12.	Bloom taxonomy UT papers	Applied Science	80-82
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6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (within 100 words each):

Curriculum Development:

In light with the NBA accreditation, the Institute is planning to introduce Outcome based Education philosophy in the Professional Education. Delivery of topic beyond syllabus, so as to cater the Industry-Institute gap is highly promoted in departments. Special training courses are also encouraged to develop student's technical skills which are demanded in the market. Students are identified as Fast/medium and Slow learners and special classes are organized to cater individual needs.

Teaching and Learning:

Following measures are initiated to enhance Teaching and Learning process in the department-

- To prepare Academic policy.
- At departmental level, appointment of academic coordinator, R&D coordinator and T&P coordinators for smooth functioning.
- Extra lectures & Remedial lectures is planned for slow learners and maintain the documentation which shows the efforts taken by department.
- Topics beyond syllabus for each subject are to be delivered in class.
- Prepare teaching plan for high / medium / slow learners.
- Proper Mechanism and process for Teaching -Learning is to be documented.
- Action Taken Report (ATR) to be documented
- Course assignments are initiated. Internal question papers now based only on class learning.
- Higher level skills to be tested and documented.
- Focus need to be given on T-L process & POs attainments
- Understand of Bloom's taxonomy
- Improvement in subject tutorials
- Content delivery innovation to be practiced.
- Guest lecture may be as per gap analysis and requirements
- Increase e-resources. Teaching in class through Video/Animations.
- Test series to be conducted for poor/weaker students.

P. R. Pote (Patil) College of Engineering & Management, Amravati

Institutional level committees 2017 - 18

Sr. No.	Committee	Coordinator and members
01	**Core Committee**	Principal, Vice Principal & HODs
02	**Admission Committee First year & Direct Second year**	**Dr. N. R. Thakare** Prof. Parikshit Deshmukh Prof. A. V. Dahat Prof. H. R. Dhanbhar Prof. S. V. Dhole Prof. R. V. Ambadkar Dr. Manisha C. Golchha Prof. Y. K. Vyawhare Prof. A. G. Khandekar Mr. Gopal Mahajan Mr. Rajesh Sawarkar Mr. Shrikant Alaspure Mr. Yogesh Gadhwal Mr. Ritesh Amzare Mr. Suyash Deshmukh
03	**Academic Monitoring Cell (UG + PG)**	**Principal & HODs** Dr. S. B. Warkad (IQAC Coordinator)
04	**Discipline**	**Prof. Sandip Thakare** **Prof. Suyog Tayade** Faculty of all depts. as per weekly schedule (for proper dress code & late comers) of all departments by HODs.
05	**Anti-Ragging Committee & Squad**	**Dr. N. R. Thakare** All HODs & counsellors Mr. Kishor Deshmukh (O. S.)
06	**ISTE**	**Prof. S. P. Bhonge** Prof. Smita Patil Prof. Krutika K. Chhajed Prof. P. S. Verma Prof. Snehal Shirbhate Prof. D. K. Chavhan
07	**IEEE**	**Dr. S. B. Warkad** Prof. R. D. Ghongade Prof. V. B. Gadicha
08	**Library**	**Principal** **Vice Principal** Dr. N. V. Chore (Librarian) Prof. P. N. Pusdekar Prof. Komal Bijwe Prof. S. G. Dalu Prof. Manish Deshmukh Prof. S. S. Shahare Prof. R. V. Mahule (MCA)

09	**Purchasing Committee**	**Vice Chairman** Principal Vice Principal HODs Office Superintendent Accountant Storekeeper Prof. V. A. Ingole
10	**R & D, Publications, Projects & Patents**	**Dr. S. G. Fale** Dr. S. B. Warkad Dr. N. R. Thakare Prof. V. G. Gore Prof. R. D. Sushir
11	**Event Celebration**	**Dr. Nilima Kalambe** Prof. Sneha Pande Prof. Shital Nerkar Prof. Pallavi Deshmukh Prof. Dewal Patne Prof. Aparna Bhande (MCA) Prof. Mahek I. Qureshi (MBA)
12	**T & P (Industry Interaction Cell)**	**Prof. P. S. Thombare** TPC, DTPC Prof. H. R. Kulat Prof. B. R. Mankar Prof. M. G. Walecha
13	**Counseling / Parents Meet**	**HODs**
14	**Audits & Stock Verification**	**Core Committee**
15	**SGBAU Theory Exam.**	**Prof. S. V. Dhoke**
16	**SGBAU Practical Exam.**	**Prof. C. J. Shelke** Dr. Y. K. Vyawhare
17	**N. S. S.**	**Prof. Hemant Dhanbar** Prof. Smita Patil
18	**College Prospectus & Information brochure**	**Prof. Rajesh Pokale** Prof. B. R. Mankar Prof. A. V. Dahat Prof. A. S. Hade Prof. Simi Khan Prof. V. M. Kale (MCA) Prof. Sanjeev Kumar Singh (MBA)
19	**Publicity/ VIP Visits/ News**	**HODs/ Incharge of event.** Prof. Abhishek Ladole Prof. Sachin Telkhade
20	**Grievances Redressal Committee (Staff & Students)**	Principal Vice Principal Adv. Pravin Mohod

21	**Grievances (Ladies)** (Acc. To code of conduct)	**Dr. Nilima Kalambe** Prof. Mayur Burange Prof. Y. D. Shahakar Mr. Rajiv R. Rajas Ms. Nilima Vidhale
22	**Grievance Redressal Committee for SC & ST**	**Prof. S. V. Dhoke** Prof. Suraj Garud
22	**Maintenance** **Civil** **Computer** **Electrical**	**Prof. Mohd. Zuhair** Prof. Amit Wadnerkar, Mr. Anup Sonekar Prof. Falesh Shelke, Mr. Nilesh Talokar Prof. Tausif Mohammad, Mr. Vaibhav Deshmukh
	a) Drinking Water	**Bldg. No. 01** Prof. V. B. Bhagat + 3 Lab. Assistants **Bldg. No. 02** Prof. Aniket Pawade + 2 Lab. Assistants **Bldg. No. 03** Prof. Rajesh Kulkarni + 2 Lab. Assistants **Bldg. No. 04** Dr. Y. K. Vyawhare & Mr. Gopal Mahajan
	b) House keeping	**Class rooms – Class coordinators** **Labs – Lab. In-charge** ***Washrooms :*** **Gents (Ground floor) :** Mr. Rajiv R. Rajas **Ladies (Ground floor) :** Ms. Nilima Vidhale ***Gents (First floor) :*** Mr. Ritesh Amzare ***Ladies (Third floor) :*** Prof. Rachana Mahule
23	**A. V. Hall / Model Class rooms planning**	**Prof. V. B. Gadicha** Prof. Sagar Pande
24	**Continual Development & improvement committee for faculty**	**Principal** Vice Principal HODs
25	**Reward & Punishment committee**	**Principal, Vice Principal & HODs**
26	**Feedback Committee**	**Prof. V. B. Gadicha & Prof. Vijay Kale** Class Coordinators of all classes
27	**Self-appraisal committee**	**Principal, Vice Principal & HODs**
28	**Detention Committee**	**Principal, Vice Principal & HODs**
29	**N. B. A. committee**	**Dr. S. B. Warkad** Prof. Hemant S. Kulat

30	**NAAC committee**	**Prof. R. D. Ghongade & HODs**
31	**Alumni Association**	**Prof. B. R. Mankar** Prof. Atul Jamnekar Prof. Aamir Malik Prof. Swapnil Patond Prof. Parikshit Deshmukh Prof. Aparna Bhande (MCA) Prof. Sandeep Jadhav (MCA)
32	**Univ. Result analysis**	**HODs**
33	**Sports & Cultural committee**	**Prof. Arvind Kapse** Prof. S. S. Nerkar Prof. Pratiksha Junghare Prof. Kapil Kariya
34	**I. T. Cell**	**Prof. Vijay Kale** Mr. Ritesh Sakhe Dept. Coordinators
35	**Canteen, Hostels Committee**	**Prof. P. S. Ardak** Prof. A. A. Ghute Prof. S. A. Khapare Prof. Aparna Bhande Mr. Rajesh Sawarkar
36	**Magazine**	**Prof. Prachi Kale** Prof. Ganesh Mahalle
37	**Student Council**	**Prof. R. S. Pokle**

Copy to: HODs for circulation among staff members, O. S. (Admin.), P. A. to Principal, Library, Coordinator of each committee should discuss among committee members & report to the Principal.

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

P.R.Pote(Patil)Education&WelfareTrust'sGroupofInstitutions
CollegeofEngg.&Management,Amravati

Department of Science & Humanities
(Session 2017-2018)

Format for theActivity

Activity for slow learner W-17, Sub- ED

Sr. No	Details of Activity	Details
01	Name of the Activity	MCQs Questionnaire
02	Date of Activity	30/09/2017
03	Venue	First Year Class Room
04	Organized by	Engineering Drawing Faculty
05	Expert Details	Prof. A. W. Mahore
06	Departmental Coordinator	Prof. P. R. Wadnerkar
07	Student Participated	05
08	Contents of Activity	Engineering Curves
09	Objectives	Students will able to solve the examples on above topic
10	Outcomes of Activity	Students understand the above topic

Name&Signature

FacultyCoordinator

Prof. P. R. Wadnerkar

Name &Signature

Head of theDepartment

H.O.D.
Dept. of First Year Engineering
P.R. Pote (Patil) Edu. & Welfare Trust's
Group of Institutions, AMRAVATI

P.R.Pote(Patil)Education&WelfareTrust'sGroupofInstitutions
CollegeofEngg.&Management,Amravati

Department of Science & Humanities
(Session 2017-2018)

AttendanceSheetforActivity

Date:-30/09/2017

W-17, Sub- ED

(weak students)

Sr.No	PRN Number	Roll No.	Name of Students	Signature
1		117 - A	KU SAKSHI RAJENDRA PAKHAN	
2		143 - A	ROSHAN MANOHAR THAKARE	
3		147 - B	SOURABH SATISH KHARJULE	
4		123 - D	ABHISHEK SHYAM INGLE	
5		158 - D	SHANTANU GAJANANRAO WANKHADE	

Name&Signature

FacultyCoordinator

Prof. P. R. Wadnerkar

Name &Signature

Head of theDepartment

H.O.D.
Dept. of First Year Engineering
P.R. Pote (Patil) Edu. & Welfare Trust's
Group of Institutions, AMRAVATI

P.R.Pote(Patil)Education&WelfareTrust'sGroupofInstitutions
CollegeofEngg.&Management,Amravati

Department of Science & Humanities
(Session 2017-2018)
Format for theActivity

Activity for slow learner S-18, Sub - ED

Sr. No	Details of Activity	Details
01	Name of the Activity	MCQs Questionnaire
02	Date of Activity	25/02/2018
03	Venue	First Year Class Room
04	Organized by	Engineering Drawing Faculty
05	Expert Details	Prof. A. W. Mahore
06	Departmental Coordinator	Prof. P. R. Wadnerkar
07	Student Participated	04
08	Contents of Activity	Engineering Curves
09	Objectives	Students will able to solve the examples on above topic
10	Outcomes of Activity	Students understand the above topic

Name&Signature

FacultyCoordinator

Prof. P. R. Wadnerkar

Name &Signature

Head of theDepartment

H.O.D.
Dept. of First Year Engineering
P.R. Pote (Patil) Edu. & Welfare Trust's
Group of Institutions, AMRAVATI

P.R.Pote(Patil)Education&WelfareTrust'sGroupofInstitutions
CollegeofEngg.&Management,Amravati

Department of Science & Humanities
(Session 2017-2018)
AttendanceSheetforActivity

Date:-25/02/2018

S-18, Sub - ED

(weak students)

Sr.No	PRN Number	Roll No.	Name of Students	Signature
1		144- G	SAURABH SHAILESH KAMBLE	
2		142- F	PRASAD HARIRAM KOHAR	
3		155- G	YOGESH VIVEKANAND DABHADE	
4		156 -E	MOHAMMED SHAHID RAZA MOHAMMED SHAFIQUE	

Name&Signature

FacultyCoordinator

Prof. P. R. Wadnerkar

Name &Signature

Head of theDepartment

H.O.D.
Dept. of First Year Engineering
P.R. Pote (Patil) Edu. & Welfare Trust's
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P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions
College of Engg. & Management, Amravati

2017-18

DEPARTMENT OF MECHANICAL ENGINEERING

Subject: Automation Engineering

Semester : VII

Contents beyond Syllabus:

Sr.No	Curriculum Gap Contents	Action Taken
01	Simulation of CNC program For Lathe and Milling Operation using MTAB simulation Module.	Delivered in the lectures.
02	Computer aided part programming using Creo manufacturing software.	Delivered in the lectures

Prof.R.S.Pokale

Name & Signature of Course Owner

Dr.P.S.Ardak

Name & Signature of HOD

H.O.D. (Mech. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engg. & Management, Amravati

DEPARTMENT OF FIRST YEAR ENGINEERING

Course Plan

1) Course overview:-

Course Title:	Engineering Physics			**Name of Faculty**	Dr. S. A. Patil
Course Code:	1A2	**Course Abbreviation:**	Engg. Phy	**Theory (Hrs/week)**	3+1hrs / week
Class:	First Year (Sec A)			**Academic Year**	2017-2018

2) Teaching & Examination Scheme:-

Teaching Scheme (Hrs)			**Examination Scheme (Marks)**								
				Theory							
Theory	Tutorial	Practical	Paper Hr.	Ext	Int.	Total	**Credits**	External Assessment	Internal Assessment	TOTAL	**Credits**
03	01	3	3hr	80	20	100	4	25	25	50	2

University Subject Syllabus:-

Unit No.	**Details Content**	**Hrs**
1	**Solid State Physics:** Classification of solids on the basis of energy band diagram, Covalent bonds, bound & free electrons, holes, electron and hole mobilities, Intrinsic and Extrinsic semiconductors, energy band diagram for semiconductors. Fermi and Impurity levels, semi-conductor conductivity with derivation, Law of mass action (only statement), P-N junction diode, Zener diode, Light Emitting Diode.	9
2	**Modern Physics:** Planck's hypothesis, properties of Photons, Compton effect, De-Broglie's concept of matter waves, wave particle duality, Heisenberg's Uncertainty Principle (only statement), applications of uncertainty principle	7

	LASER: spontaneous and stimulated emission of radiation, Pumping, Optical Pumping, Ruby LASER (Construction and Working), Characteristics & Applications of Laser in Industrial, Medical and Scientific field.	
3	**Electric and Magnetic Fields :** Motion of electron in uniform transverse electric field and transverse magnetic fields, velocity selector (energy filter), positive rays, Bainbridge mass spectrograph, Cathode ray oscilloscope :block diagram and working of each block, Hall effect.	7
4	**Interference and Diffraction:** Fundamental condition of interference, thin film interference due to reflected light, Newton's ring; equation for radius of bright and dark rings, determination of wavelength, R. I. of medium using Newton's ring. Fresnel and Fraunhoffer class of diffraction, single slit diffraction, plane transmission grating; construction and determination of wavelength of light using grating, dispersive power of grating.	7
5	**Fibre Optics:** Principle and construction of optical fibre, acceptance angle and acceptance cone numerical aperture, types of optical fibres and refractive index profile, attenuation in optical fibres, different mechanisms of attenuation, application of optical fibres.;	7
6	**Acoustics:** Sound waves, reflection of sound waves, defects due to reflected sound (echo and reverberation),absorption of sound, Sabine's formula for reverberation of time, Factors affecting architectural acoustics and its remedies. Ultrasonics: Ultrasonic waves, Production of Ultrasonic waves (piezo-electric and magnetostrictionmethods), properties of Ultrasonic waves and applications. Fluid dynamics: Viscosity, Stoke's law, liquid flow (streamline and turbulent), flow of liquids through a capillary tube(Poiseuille'sequation),Continuity equation,Bernoulli's theorem (only derivation).	7

Text Books

1) M.N. Avadhanulu & P. G. Kshirsagar: Engineering Physics, S. Chand Pub., 2008
2) Dr. (Mrs.) S. D. Wakde & J. S. Bakare: Engineering Physics, SSGMCOE, 2004

Reference Books:

1) R. K. Gaur & S. L. Gupta: Engineering Physics, Dhanpat Rai & Sons.
2) Hitendra K. Malik & A. K. Singh: Engineering Physics, Tata McGraw Hill
3) Beiser: Mordern Physics, Tata McGraw Hill
4) Mani & Mehta: Mordern Physics, Affiliated East- West Press
5) N. Subrahmanyam, Brijlal, M. N. Avadhanulu: A Text Book of Optics, S. Chand & Company

Course Prerequisites:-

1. (12 th) Physics

Course Objectives:-

At the end of the course the students would be exposed to fundamental, knowledge in:
– Electromagnetic phenomena and wave propagation.
– Interferometric techniques in metrology, communication.
– Application of quantum physics to optical & electrical phenomena.

– Application of lasers and Fiber Optics in Engineering and Technology.
– Conducting, superconducting and dielectric materials.
– Semi conducting and new engineering materials.
– Physics of Modern engineering materials.
– Application of ultrasonic's, acoustics.

Course Outcomes:-

After learning the course, the students should be able to

Course:-Engineering Physics– [1A2]	
CO1	Classify solids on the basis of band theory, calculate parameters such as conductivity, concentration of charge carriers, mobility and to determine the Fermi level and differentiate different semiconductor diode on the basis of their characteristics, and determine the Hall voltage.
CO2	Explain the central concept and principles in Quantum Physics, such as DeBroglie's matter wave, Compton Effect, Heisenberg's Uncertainty Principle, describe the basic Laser Physics.
CO3	Apply the fundamentals of electric field and magnetic field and its effect on Cathode rays and Canal Rays to understand the functioning of CRO & Spectrographs
CO4	Implement the fundamental laws of Optics to calculate unknown parameters such as Refractive Index of liquid, wavelength of light etc and explain the construction and working of grating.
CO5	Explain the fundamentals of Optic Fibers, propogation of Signals, calculate the losses Optical Fibers
CO6	Apply the knowledge of Newton's Law of Viscosity, Poiseuille's Equation, Bernouli's Theorem, Stoke's Law to solve numerical problems and to explain the fundamental of acoustics and Ultrasonics

CO-PO-PSO Mapping:-

Course Outcomes (COs)	Program Outcomes (POs)											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	3	1	2		1							
CO2	1	1										

CO3	2	2		1								
CO4	1	1										
CO5	1		2		3	1						
CO6	3		1		1							

CO-PO Mapping & Justification:-

Mapping	Level	Justification
CO1-PO1	2	The students can apply the basics knowledge of characteristics of diodes in designing circuits such as, rectifier diode in power supply to convert AC signal into DC signal.
CO1-PO2	1	The students will be able to analyze different properties of semiconductors such as conductivity, concentration of charge carriers, mobility etc
CO1-PO3	2	The basic knowledge of LED as an Indicator Lamp can help the students to design Seven Segment Display, display boards such as signs for safety purposes
CO1-PO5	1	The students will be able to select appropriate diode to design and create required circuit in complex Engineering problems
CO2-PO1	1	Quantum theory and the laws related to it gives a brief idea about the application of light and photons in various fields and can thus solve complex problems related to it. For example, the student will be able energy and momentum of photon, calculated wavelength of scattered photon.
CO2-PO2	2	The students will be able to analyze different types of Electromagnetic waves based on their characteristic properties
CO3-PO1	2	The student will be able to apply the basic knowledge of electric and magnetic field in functioning of CRO to solve various problems in their technical branches such as Electrical & Electronics, for example calculating voltage, frequency of unknown AC signal, Gain of an amplifier, etc
CO3-PO2	2	The basic knowledge of CRO enables the students to analyze different parameters such as voltage, frequency of signals etc
CO3-PO4	1	For further research studies, in order to analyze and interpret data, basic knowledge of CRO & Spectrograph will be helpful to the students.

CO4-PO1	1	The students will be able to apply the fundamental laws of Optics in almost all the Engineering fields (from non destructive testing or alignments to power laser applications, fiber optic communications, memory devices, etc). The student will be able to calculate wavelength of light, Refractive index of Unknown medium, etc
CO4-PO2	1	The first principles of Optics will enable the students to Identify, formulate, review research literature, and analyze complex engineering problems in his further studies and applications of Optics such as communication system, industrial applications such as metal cutting, welding by Laser, etc
CO5-PO1	1	The students will be able to apply basic fiber optics knowledge to calculate engineering problems such as calculating the fiber losses.
CO5- PO3	1	The basic knowledge of Laser can inculcate interest in the minds of the students and they can go for further studies to design equipments to meet the specific needs of the society
CO5-PO5	3	In further studies, understanding the limitations of modern tools and select appropriate techniques, the fundamentals of Fiber Optics will provide them a thorough base. For example, although the Single Index Fiber have higher transmission rates than multimode fibers, it has got some limitations such as coupling of light is difficult, so they may select multimode fiber where LED and Laser light can be coupled.
CO5-PO6	1	With basic knowledge of fiber optics, the students can reason out and inform how the use of fiber optic cables is more safe and beneficial than copper cables.
CO6-PO5	1	When it comes to soldering Aluminium, the student can apply basic knowledge of Ultrasonic and select ultrasonic soldering as an appropriate technique.
CO6-PO3	1	The students can solve Acoustic related problems, such as they can calculate reverberation time.

CO Assessment Tools:

Direct Method Tools	**1**

Unit Test-1 (Theory)	0.2
Unit-Test-2 (Theory)	0.2
Assignment (Theory)	0.2
Average of UT1 + UT2+ Assignment (Theory)	**0.2**
End Sem Examination (University)	**0.8**
Laboratory Evaluation (lab)	
Internal Exam (lab)	0.5
External Practical Examination (lab)	0.5
Indirect Method Tools	**3**
Course Exit Survey	**0.4**
Parent's Feedback	**0.2**
Course Curricullum and Co-curricullum Feedback	**0.4**

Course Outcomes Target:-

Course	Target	Attainment	Target	Attainment	Target	Attainment
	Session-2019-20		Session-2018-19		Session-2017-18	
Theory	2.13	.....	2.1		2.04	2.8

Rubrics for the Assignments:

Indicator	**Average**	**Good**	**Excellent**	**Marks**
Organization (5)	Readable with some mistakes and structured (1)	Readable with some mistakes and structured (3)	Very well written and structured without any mistakes(5)	
Level of content (10)	All major topics are covered, the information is accurate (3)	Most major and some minor criteria are included. Information is accurate (5)	All major and minor criteria are covered and are accurate (10)	
Depth and breadth of discussion and representation (15)	Minor points/information maybe missing and representation is minimal (5)	Discussion focused on some of the points and covers them adequately (10)	Information is presented in depth and is accurate (15)	
Total (30)				

Lecture/Lesson Plan:

Modes of Content Delivery:-

I	Class Room/Lab Teaching	V	Self Learning Online Resources	IX	Industry Visit
II	Tutorial	VI	Slides/Self Videos	X	Group Discussion
III	Remedial Coaching	VII	Simulations/ Demonstrations	XI	Seminar
IV	Lab Experiment	VIII	Expert Lecture	XII	Case Study

Lecture/Lesson Plan:

Modes of Content Delivery:-

I	Class Room/Lab Teaching	V	Self Learning Online Resources	IX	Industry Visit
II	Tutorial	VI	Slides/Self Videos	X	Group Discussion
III	Remedial Coaching	VII	Simulations/ Demonstrations	XI	Seminar
IV	Lab Experiment	VIII	Expert Lecture	XII	Case Study

Lecture No.	Portion to be covered	Planned date	Actual date	Content Delivery Method/Learning Activities	Reference material
	Unit-V :-				
1	Introduction to Syllabus	5/01/18	5/01/18	I	Reference Book
2	Introduction to Syllabus	6/01/18	6/01/18	I	Reference Book
3	Introduction to Fiber Optics	8/01/18	8/01/18	I	Reference Book
4	Construction of Optical Fiber	9/01/18	9/01/18	I	Reference Book

5	Classification of Optical Fiber	10/01/18	10/01/18	I	Reference Book
6	Acceptance Angle Derivation	12/01/18	12/01/18	I	Reference Book
7	Derivation of Acceptance angle and problems	13/01/18	13/01/18	I	Reference Book
8	Losses in Fiber : Attenuation	15/01/18	15/01/18	I	Reference Book
9	Numerical Problems And Revision	16/01/18	16/01/18	I	Reference Book
10	Attenuation Problems and Advantages of Optical Fiber	17/01/18	17/01/18	I	Reference Book
11	V - number , problems and advantages of optical fiber	19/01/18	19/01/18	I	Reference Book
12	Revision and Numerical problems	20/01/18	20/01/18	I	Reference Book
13	Revision and Numerical problems	22/01/18	22/01/18	I	Reference Book
	Unit-I:-				
14	Unit 1(Resistivity, conductivity,formatio n of band, definition of condution band, valence band , Energy band gap	23/01/18	23/01/18	I	Reference Book
15	Classification of solids, Bound electron, free electron & Holes	24/01/18	24/01/18	I	Reference Book
16	Generation and recombination of Free electron and hole, Fermi level, Classification of Semiconductors	27/01/18	27/01/18	I	Reference Book
17	Impurity Levels, Effect of Temperature and impurity concentration on Fermi level in Extrinsic Semiconductors	29/01/18	29/01/18	I	Reference Book
18	Mobility of Electron, Classification of Semiconductors	30/01/18	30/01/18	I	Reference Book
19	Class Test 1 (Unit 5)	31/01/18	31/01/18	I	Reference Book

20	Numerical problems on Mobility , Fermi Dirac Function	2/02/18	2/02/18	I	Reference Book
21	Fermi level derivation	3/02/18	3/02/18	I	Reference Book
22	P N junction diode	5/02/18	5/02/18	I	Reference Book
23	V I characteristics of P N junction diode	6/02/18	6/02/18	I	Reference Book
24	Zener and Avalanche Breakdown, LED	7/02/18	7/02/18	I	Reference Book
25	Numericals	9/02/18	9/02/18	I	Reference Book
26	Numericals	10/02/18	10/02/18	I	Reference Book
27	Revision and numericals	12/02/18	12/02/18	I	Reference Book
28	Revision and Numerical problems	14/02/18	14/02/18		Reference Book
	Unit-VI:-				
29	Viscosity, coefficient of Viscosity, some definitions and numerical problems	6/02/18	6/02/18	I	Reference Book
30	Stoke's law , Application of Bernouli's Theorem , Terminal velocity	2/03/18	2/03/18	I	Reference Book
31	Ultrasonics and Acoustics	3/03/18	3/03/18	I	Reference Book
32	Revision and Numerical problems	5/03/18	5/03/18	I	Reference Book
33	Revision and Numerical problems	6/03/18	6/03/18	I	Reference Book
	Unit III				
34	Basic terms of Electric field and magnetic field	7/03/18	7/03/18	I	Reference Book
35	Motion of electron in Uniform transverse electric field	9/03/18	9/03/18	I	Reference Book
36	To prove that electron describes a parabolic path in transverse electric field	10/03/18	10/03/18	I	Reference Book

37	Motion of electron in transverse magnetic field(confined to small region and extending over a large reqion) Velocity selector and numerical problems	12/03/18	12/03/18	I	Reference Book
38	Bainbridge Mass Spectroscope	13/03/18	13/03/18	I	Reference Book
39	CRO	14/03/18	14/03/18	I	Reference Book
40	Hall Effect	16/03/18	16/03/18	I	Reference Book
41	Numericals on Hall Effect	17/03/18	17/03/18	I	Reference Book
42	Revision and Numerical problems	19/03/18	19/03/18	I	Reference Book
	Unit IV				
43	Basic terms related to interference	20/03/18	20/03/18	I	Reference Book
44	Interference due to parallel thin film due reflection of light	21/03/18	21/03/18	I	Reference Book
45	Newton's ring experiment	23/03/18	23/03/18	I	Reference Book
46	Diffraction , its types, plane transmission grating	24/03/18	24/03/18	I	Reference Book
47	Revision and Numerical prtoblems	26/03/18	26/03/18	I	Reference Book
48	Revision and Numerical prtoblems	27/03/18	27/03/18	I	Reference Book
49	Revision and Numerical prtoblems	28/03/18	28/03/18	I	Reference Book
	UNIT II				
50	De- Broglie's Hypothesis	31/03/18	31/03/18	I	Reference Book
51	Compton Effect	2/04/18	2/04/18	I	Reference Book
52	Compton Theory	3/04/18	3/04/18	I	Reference Book
53	HUP and Numericals	4/04/18	4/04/18	I	Reference Book

54	Laser, its properties, three quantum phenomenon & some important definitions	6/04/18	6/04/18	I	Reference Book
55	Laser action in three level system, Ruby Laser	7/04/18	7/04/18	I	Reference Book
56	Revision and Numerical problems	9/04/18	9/04/18	I	Reference Book
57	Revision and Numerical problems	10/04/18	10/04/18	I	Reference Book
58	Revision and Numerical problems	11/04/18	11/04/18	I	Reference Book

Resources:-

Resource	Topic	Source	Type
Video 1	Interference	Third Party Video	You tube
Video 2	Wave Particle Duality	Third Party Video	You tube
Video 3	Diffraction of Light	Third Party Video	You tube

TUTORIAL SHEET

Date: .....

This Tutorial corresponds to Unit No. / Lesson .....

Q.1: .....

Q.2:.....

Q.3:.....

Q.4:.....

Course Outcome Nos.: .....

Contents beyond Syllabus:

Sr.No	Curriculum Gap Contents	Action Taken
01	Working of CRO	Cover in the lectures.
02		

Dr. S. A. Patil

Name & Signature of Course Owner

Prof. P. R. Wadnerkar

Name & Signature of HOD

H.O.D.
Dept. of First Year Engineering
P.R. Pote (Patil) Edu. & Welfare Trust's
Group of Institutions, AMRAVATI

P. R. Pote Patil College of Engineering & Management

Feedback Report Computer Science & Engg. 7th SEM Sec A

Session: Winter 2017

Computer Science & Engg. 7th SEM Sec A Session: Winter 2017	Prof. B R MANKAR	Prof. V B GADICHA	Prof. K B BIJWE	Prof. A P DATE	Prof. M S BURANGE
	DSP	CN	DAA	OOAD	MMT
Q.1 :- Whether the lecturers were well prepared, organized and course material is well structured?	73	86	82	82	90
Q.2 :- Was the Blackboard writing/ audio visual aids are clear and organized?	81	82	82	83	90
Q.3 :- Were the lecturer delivered with emphasis on fundamental concepts and with illustrative examples?	80	86	80	86	86
Q.4 :- Whether the Teacher engages classes regularly & maintains the discipline.	80	86	80	85	89
Q.5 :- Whether difficult topics were taught with adequate attention and ease?	77	87	80	86	89
Q.6 :- Was the teacher able to deliver lectures with good communication skills?	76	88	76	86	83
Q.7 :- Were you encouraged to ask Questions, to make lecturers interactive and lively?	76	84	80	83	88
Q.8 :- Whether the teacher was effective in preparing students for exams?	79	85	81	80	81
Q.9 :- Was the unit test evaluation fair and impartial and did it help you to improve?	79	86	80	84	88
Q.10 :- Whether teacher was always accessible to the students for counseling, guidance and solving queries off the classroom hours.	81	86	81	85	87
Total No of Feedbacks are : 23 Overall Feedback :	**78**	**86**	**80**	**84**	**87**

Feedback about Institute	
Q.1 :- Whether the infrastructer facility are adequate ?	79
Q.2 :- Whether the Labs are properly organised ?	81
Q.3 :- Whether the Internate facility is up to the Mark ?	71
Q.4 :- Smooth Water and electrical supply available ?	75
Q.5 :- Services of library Extended to students are adequate ?	79
Q.6 :- Sport facilities ?	74
Q.7 :- Admin (Non-Teaching) Staff Services ?	82
Q.8 :- On Campus Drives organised by T&P are adequate?	84
Q.9 :- Training Provided by T&P department up to the mark?	86
Q.10 :- Overall feedback about T&P department ?	85
Total No of Feedbacks are : 23 Overall Feedbacks :	**80**

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P. R. Pote Patil College of Engineering & Management

Feedback Report Computer Science & Engg. 7th SEM Sec B

Session: Winter 2017

Computer Science & Engg. 7th SEM Sec B Session: Winter 2017	Prof. B R Mankar	Prof. K K Chhajed	Prof. P D Soni	Prof. P P Pawade	Prof. M S Burange
	DSP	CN	DAA	OOAD	MMT
Q.1 :- Whether the lecturers were well prepared, organized and course material is well structured?	87	80	81	79	87
Q.2 :- Was the Blackboard writing/ audio visual aids are clear and organized?	89	86	86	84	88
Q.3 :- Were the lecturer delivered with emphasis on fundamental concepts and with illustrative examples?	83	82	87	82	88
Q.4 :- Whether the Teacher engages classes regularly & maintains the discipline.	90	86	89	88	89
Q.5 :- Whether difficult topics were taught with adequate attention and ease?	87	85	87	85	88
Q.6 :- Was the teacher able to deliver lectures with good communication skills?	82	85	84	82	81
Q.7 :- Were you encouraged to ask Questions, to make lecturers interactive and lively?	88	85	89	86	87
Q.8 :- Whether the teacher was effective in preparing students for exams?	82	81	87	85	85
Q.9 :- Was the unit test evaluation fair and impartial and did it help you to improve?	85	84	87	83	86
Q.10 :- Whether teacher was always accessible to the students for counseling, guidance and solving queries off the classroom hours.	83	82	85	82	90
Total No of Feedbacks are : 22 Overall Feedback :	**86**	**84**	**86**	**84**	**87**

Feedback about Institute	
Q.1 :- Whether the infrastructer facility are adequate ?	80
Q.2 :- Whether the Labs are properly organised ?	80
Q.3 :- Whether the Internate facility is up to the Mark ?	76
Q.4 :- Smooth Water and electrical supply available ?	81
Q.5 :- Services of library Extended to students are adequate ?	80
Q.6 :- Sport facilities ?	79
Q.7 :- Admin (Non-Teaching) Staff Services ?	84
Q.8 :- On Campus Drives organised by T&P are adequate?	87
Q.9 :- Training Provided by T&P department up to the mark?	87
Q.10 :- Overall feedback about T&P department ?	87
Total No of Feedbacks are : 22 Overall Feedbacks :	**82**

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P. R. Pote Patil College of Engineering & Management

Feedback Report Computer Science & Engg. 8th SEM Sec A

Session: Summer 2018

Computer Science & Engg. 8th SEM Sec A Session: Summer 2018	Prof. M.S. BURANGE	Prof. B.R. MANKAR	Prof. M.N. HAQUE	Prof. F.M. SHELKE
	AI	ES	SE	NS
Q.1 :- Whether the lecturers were well prepared, organized and course material is well structured?	90	82	84	78
Q.2 :- Was the Blackboard writing/ audio visual aids are clear and organized?	89	87	84	76
Q.3 :- Were the lecturer delivered with emphasis on fundamental concepts and with illustrative examples?	86	81	82	75
Q.4 :- Whether the Teacher engages classes regularly & maintains the discipline.	91	86	84	79
Q.5 :- Whether difficult topics were taught with adequate attention and ease?	88	79	80	77
Q.6 :- Was the teacher able to deliver lectures with good communication skills?	91	87	88	83
Q.7 :- Were you encouraged to ask Questions, to make lecturers interactive and lively?	87	83	84	80
Q.8 :- Whether the teacher was effective in preparing students for exams?	86	84	88	78
Q.9 :- Was the unit test evaluation fair and impartial and did it help you to improve?	86	84	82	76
Q.10 :- Whether teacher was always accessible to the students for counseling, guidance and solving queries off the classroom hours.	86	84	81	82
Total No of Feedbacks are : 30 Overall Feedback :	**88**	**84**	**84**	**78**

Feedback about Institute	
Q.1 :- Whether the infrastructer facility are adequate ?	81
Q.2 :- Whether the Labs are properly organised ?	80
Q.3 :- Whether the Internate facility is up to the Mark ?	67
Q.4 :- Smooth Water and electrical supply available ?	74
Q.5 :- Services of library Extended to students are adequate ?	77
Q.6 :- Sport facilities ?	73
Q.7 :- Admin (Non-Teaching) Staff Services ?	84
Q.8 :- On Campus Drives organised by T&P are adequate?	85
Q.9 :- Training Provided by T&P department up to the mark?	86
Q.10 :- Overall feedback about T&P department ?	86
Total No of Feedbacks are : 30 Overall Feedbacks :	**79**

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Amt

Designed and Developed by
Prof. P. D. Soni, CSE Dept., PRPCEM, Amt

S2

P. R. Pote Patil College of Engineering & Management

Feedback Report Computer Science & Engg. 8th SEM Sec B

Session: Summer 2018

Computer Science & Engg. 8th SEM Sec B Session: Summer 2018	Prof. M.S. BURANGE	Prof. M.P. RANDIVE	Prof. P.P. PAWADE	Prof. P.D. SONI
	AI	ES	SE	NS
Q.1 :- Whether the lecturers were well prepared, organized and course material is well structured?	93	92	91	93
Q.2 :- Was the Blackboard writing/ audio visual aids are clear and organized?	92	91	89	91
Q.3 :- Were the lecturer delivered with emphasis on fundamental concepts and with illustrative examples?	89	87	88	90
Q.4 :- Whether the Teacher engages classes regularly & maintains the discipline.	92	93	92	91
Q.5 :- Whether difficult topics were taught with adequate attention and ease?	92	92	89	92
Q.6 :- Was the teacher able to deliver lectures with good communication skills?	91	93	92	93
Q.7 :- Were you encouraged to ask Questions, to make lecturers interactive and lively?	90	90	90	91
Q.8 :- Whether the teacher was effective in preparing students for exams?	92	93	90	91
Q.9 :- Was the unit test evaluation fair and impartial and did it help you to improve?	91	92	92	89
Q.10 :- Whether teacher was always accessible to the students for counseling, guidance and solving queries off the classroom hours.	91	93	92	90
Total No of Feedbacks are : 39 **Overall Feedback :**	**91**	**92**	**90**	**91**

Feedback about Institute	
Q.1 :- Whether the infrastructer facility are adequate ?	85
Q.2 :- Whether the Labs are properly organised ?	87
Q.3 :- Whether the Internate facility is up to the Mark ?	82
Q.4 :- Smooth Water and electrical supply available ?	89
Q.5 :- Services of library Extended to students are adequate ?	88
Q.6 :- Sport facilities ?	88
Q.7 :- Admin (Non-Teaching) Staff Services ?	92
Q.8 :- On Campus Drives organised by T&P are adequate?	96
Q.9 :- Training Provided by T&P department up to the mark?	96
Q.10 :- Overall feedback about T&P department ?	96
Total No of Feedbacks are : 39 **Overall Feedbacks :**	**90**

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Amravati

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Action Taken Report

Name of Department/Facility: Computer Science & Engineering

Name of Activity: Student Feedback against Faculties

Feedback Taken: Session 2017-18 Feedback Analyzed: Session 2017-18

SN	Participant's issues raised/suggestions/lower attainment of questions	Observations	Action Taken
1	About blackboard writing / audio visual aids are clear and organized.	Suggestion from students about light on blackboard	Curtains requirement were given for classrooms
2	Was the lecture delivered with emphasis on fundamental concepts and with illustrative examples?	Case study approach may be introduced	Case study were included in explanations and assignments were given to them.
3	Effective in preparing students in exam.	Suggestions from students for model answer sheet for preparation of exam	Model Answer Sheet were prepared and provided to students.
4	Unit test evaluation fair and impartial and did it help to improve.	Evaluation process or steps fixed.	Evaluation of Unit Test paper is according to the Model Answer Sheet.
5	Encouraged to ask questions, to make lecture interactive and lively	Needed more interactive lectures	Participative games and team building interactive lectures were suggested

Feedback Committee Coordinator **HOD/IQAC Coordinator** **Principal**

Prin
P. R. Pc

P. R. Pote (Patil) College of Engineering & Management, Amravati

Action Taken Report

Name of Department/Facility: Computer Science & Engineering

Name of Activity: Student Feedback against Institute

Feedback Taken: Session 2017-18 Feedback Analyzed: Session 2017-18

SN	Participant's issues raised/suggestions/lower attainment of questions	Observations	Action Taken
1	Sport facilities	Sports facilities should be improved e.g., indoor basketball and badminton court should be prepared.	The requirement has been communicated to the teacher in-charge of sports, principal and the management committee.
2	Services of library Extended to students and adequate	Need to strengthen the library facilities	Text and reference book are mostly available to all the students, Subscriptions and online access for different activities will be given to all.
3	Whether Smooth Water and electrical supply available	Need Water supply on each floor	Was made available for each floor
4	Overall feedback about T&P department	Employability skills may be improved	Communication skills training, career action coaching management training leadership training were given to the students

Feedback Committee Coordinator **HOD/IQAC Coordinator** **Principal**

Principal
P. R. Pote (Patil)
College of Engineering & Management
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Activity/ Feedback Action Taken Report Format

The Action Taken Report (ATR) is compiled after completion of activities. Activities may include, meetings, feedback collected and analyzed. It states the various actions based on the discussions/responses. It is usually submitted after a time gap. This ensures that there is adequate time to act on the matters discussed in the report.

ATR For Subject Faculty Feedback:

- Decide the threshold value where action taken report is generated.
- Action taken measures may be for feedback received above and below the threshold value of Feedback.
- Under action taken- Appreciation letter, show cause letters to be mentioned
- Action taken statement to be prepared for the competent authority for example "Feedback is communicated to competent authority"
- Action taken is suggested from Head of Department to the individual faculty for example "The teachers were advised to strengthen the areas of concern highlighted in thestudent feedback report by attending concerned refresher programs, STTPs, FDPs etc."

ATR For Activity Feedback:

- Decide the threshold value where action taken report is generated.
- Action taken measures may be for feedback received above and below the threshold value of Feedback.
- Action taken statement to be prepared for the competent authority for example "Feedback is communicated to competent authority"
- Action taken is suggested from Head of Department/ Activity in charge for the participant's issues raised/suggestions/lower attainment of questions.

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Action Taken Report

Name of Department/Facility: First Year Department
Name of Activity: Feedback of students for faculty

Feedback Taken: Dated – 13/04/2018 Feedback Analyzed: Dated: 13/04/2018

SN	Participant's issues raised/ suggestions/lower attainment of questions	Observations	Action Taken
1	Weather the Lecture were well prepared, organized and course material is well structured	94	Appreciation letter
2	Was the Black board writing/audio visual aids are clear and organized	94	
3	The lecture delivered with emphasis on fundamental concepts & with illustrate examples.	89	
4	The teacher engages classes regularly & maintains the discipline.	96	
5	Difficult topics were taught with adequate attention and ease.	92	
6	The teacher able to deliver lectures with good communication skills.	91	
7	You encouraged to ask questions, to make lecturers interactive & lively.	90	
8	The teacher was effective in preparing students for exams.	93	
9	The unit test evaluation fair & impartial & did it help you to improve.	90	
10	Weather teacher was always accessible to the students for counseling, guidance & solving queries off the classroom hours.	93	

Feedback Committee Coordinator HOD/IQAC Coordinator Principal

Principal
P. R. Pote (Patil)
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Amravati.

P. R. Pote Patil College of Engineering & Management

Feedback Report First Year Sem 2 Section H

Session: Summer 2018

First Year Sem 2 Section H Session: Summer 2018	Prof. S S KHAN	Prof. N R THAKARE	Prof. P A DESHMUKH	Prof. P R WADNERKAR
	M-I	PHY	EM	ED
Q.1 :- Whether the lecturers were well prepared, organized and course material is well structured?	94	89	89	94
Q.2 :- Was the Blackboard writing/ audio visual aids are clear and organized?	94	83	85	94
Q.3 :- Were the lecturer delivered with emphasis on fundamental concepts and with illustrative examples?	89	88	83	88
Q.4 :- Whether the Teacher engages classes regularly & maintains the discipline.	96	88	87	94
Q.5 :- Whether difficult topics were taught with adequate attention and ease?	92	85	84	90
Q.6 :- Was the teacher able to deliver lectures with good communication skills?	91	85	85	90
Q.7 :- Were you encouraged to ask Questions, to make lecturers interactive and lively?	90	82	84	90
Q.8 :- Whether the teacher was effective in preparing students for exams?	93	84	86	90
Q.9 :- Was the unit test evaluation fair and impartial and did it help you to improve?	90	83	85	89
Q.10 :- Whether teacher was always accessible to the students for counseling, guidance and solving queries off the classroom hours.	93	85	83	89
Total No of Feedbacks are : 50 Overall Feedback :	**92**	**85**	**85**	**91**

Feedback about Institute	
Q.1 :- Whether the infrastructer facility are adequate ?	82
Q.2 :- Whether the Labs are properly organised ?	86
Q.3 :- Whether the Internate facility is up to the Mark ?	73
Q.4 :- Smooth Water and electrical supply available ?	78
Q.5 :- Services of library Extended to students are adequate ?	81
Q.6 :- Sport facilities ?	69
Q.7 :- Admin (Non-Teaching) Staff Services ?	80
Q.8 :- On Campus Drives organised by T&P are adequate?	78
Q.9 :- Training Provided by T&P department up to the mark?	78
Q.10 :- Overall feedback about T&P department ?	81
Total No of Feedbacks are : 50 Overall Feedbacks :	**78**

Designed and Developed by
Prof. P. D. Soni, CSE Dept., PRPCEM, Amt

"Shri Gajanan Maharaj Prasanna"

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions, College of Engineering & Management, Amravati

Pote Estate, Pote Patil Road, Kathora, Amravati. (Maharashtra)

0721-2530342, 44, 2530089 Fax No.: 0721- 2530341 Email: prpotepatilcollege@gmail.com, website: www.prpatilcollege.org

(Recognized by AICTE, New Delhi & Affiliated to SGBAU, Amravati)

Ref.: PRPCOEM/ APPRE. Letter / 2017-18 Date: 03/05/2018

To,

Prof. Simi S. Khan

Dept. of First year Engg. (Mathematics Dept.)

P.R.P.C.E.M., Amravati.

Subject: Appreciation Letter.

On behalf of the management of P. R. Pote (Patil) Group of Educational Institutions, Amravati, we would like to appreciate you for your dedication and devotion to be excellent in teaching in your subject (s) taught for the Even Semester (session 2017-18). You are a teacher who devotes a great amount of personal effort and interest to your daily teaching activities, as well as to your students. You are making an outstanding contribution to teaching and to the instructional program of the department and hope would continue these efforts in semesters to come.

It's really commendable to other teachers to move forward in lieu of development of Institution. Teachers like you create responsible citizens. Wish you all the best for your future endeavors.

Vice-Principal

P.R.P.C.E.M., Amravati

Principal

P.R.P.C.E.M., Amravati

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

Copy to:

1) Management
2) Personal File

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P. R. Pote (Patil) College of Engineering & Management, Amravati

DEPARTMENT OF CIVIL ENGINEERING

Year : III Semester :V | **A.Y: 2017-18**
Subject : RCC – II | **Unit Test : I**
Maxi. Marks : 30 | **Time : 1:30 Hr**

1.(a) Differentiate between Working Stress and limit state methods? 5M

1.(b) Find the limiting depth of neutral axis (Xm) for Fe 415 grade steel and Fe:250 grade steel from fundamentals. 7M

1.(c) Differentiate between one way & Two way slab? 2M

OR

2. Design a one way continuous slab for a hall 8m*14m (c/c) if the columns are provided along the length of hall at 3.5 m c/c. The width of beam supporting slab is 250 mm. Assume super-imposed load on slab is 4kN/m2. Use M20 mix and Fe415 grade steel. 14M

3. Design an interior panel of two-way slab 5m x 6m clear in size. The superimposed service load on slab is 4 kN/m. Assume width of support as 300 mm. Use M.20 Mix and Fe 415 grade steel. 14M

OR

4. An RCC floor system grid in plan consist of solod slabs resting over suspended continues beams in both directions. Assume an imposed service load of 4kn/m2, design a corner panel of effective size 6m*7.8m. Assume service dead load due to finishes equal to 1kn/m2. Material grades are M20 & FE 416. Also design for torsion at corners. Draw Detail. 14M

5. Explain different modes of failure of concrete section? 2M

H.O.D. (Civil Dept.)
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Q.1) Given data.

Design const:-

$f_{ck} = 20$

$F_y = 415$

$M_{ulim} = 0.138 f_{ck} \cdot bd^2$

$\gamma_m = 1.5$

2) Trial depth (d) & effective span (Le):-

a) Trial depth (d):-

$d_{req} = \frac{\text{span}}{\text{basic } L/d \times q}$

$d_{req} = \frac{3500}{26 \times 1.3}$ [Cl No. 23.2.1]

$d_{req} = 103.55\ mm$

$D = d_{req} + \text{cover} + \phi/2$

$= 103.55 + 15 + 8/2$

$D = 122.55\ mm$

$\boxed{D \simeq 125\ mm}$

$d = 125 - 15 - 8/2$

$d = 106\ mm$

2) Effective span (Le)

Le is less of-

i) clear span + d

$= 3500 - \frac{250}{2} - \frac{250}{2} + 106$

$= 3356\ mm$

ii) c/c span = 3500 mm [Cl. No. 22.2]

$\boxed{\therefore Le = 3356\ mm}$

Load calculation

Self weight (DL) = $1 \times 1 \times D \times 25$

$= 1 \times 1 \times 0.125 \times 25$

$= 3.125\ kN/m^2$

F.F = $1.5\ kN/m^2$ (Assumed)

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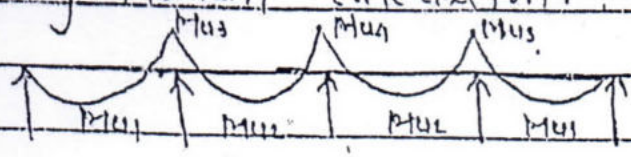
$\therefore W_{ud} = 1.5(3 \cdot 12.5 + 1.5)$

$W_{ud} = 6.94\ kN/m^2$

$W_{ul} = 1.5 \times 4$

$\boxed{W_{ul} = 6\ kN/m^2}$

(4) Bending Moment - calculation :-



$M_{u1} = \frac{1}{12} W_{ud} \cdot Le^2 + \frac{1}{10} W_{ul} \cdot Le^2$

$= \frac{1}{12} \times 6.94 \times 3.356^2 + \frac{1}{10} \times 6 \times 3.356^2$

$\boxed{M_{u1} = 13.27\ kNm}$

$M_{u2} = \frac{1}{16} W_{ud} \cdot Le^2 + \frac{1}{12} W_{ul} Le^2$

$= \frac{1}{16} \times 6.94 \times 3.356^2 + \frac{1}{12} \times 6 \times 3.356^2$

$\boxed{M_{u2} = 10.52\ kNm}$

$M_{u3} = -\frac{1}{10} W_{ud} \cdot Le^2 - \frac{1}{9} W_{ud} \cdot Le^2$

$= -\frac{1}{10} \times 6.94 \times 3.356^2 - \frac{1}{9} \times 6 \times 3.356^2$

$\boxed{M_{u3} = -15.32\ kN \cdot m}$

$M_{u4} = -\frac{1}{12} W_{ud} \cdot Le^2 - \frac{1}{9} W_{ul} \cdot Le^2$

$= -\frac{1}{12} \times 6.94 \times 3.356^2 - \frac{1}{9} \times 6 \cdot 3.356^2$

$\boxed{M_{u4} = -14.02\ kN \cdot m}$

Cl. 22.5.1
Total 12
P.No. 36

(5) Reinf. calculation

Main steel

a) Bottom reinforcement. $A_{st1} = \frac{0.5\ f_{ck}}{f_y} \left[1 - \sqrt{1 - \frac{4.6 M_{u1}}{f_{ck} \cdot bd^2}}\right] b \cdot d$

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$= 374.33 mm^2$

spacing for 8mm bar

$= \frac{1000 \times \pi/4 \times 8^2}{374.33}$

$= 134.28 mm$

$\approx 134 mm < 3d = 318 mm$ or $300 mm$ [Cl. 26.3.3]

b) Top reinforcement :-

$$Ast_2 = \frac{0.5 fck}{Fy}\left[1 - \sqrt{1 - \frac{4.6 Mu_2}{fck \cdot b \cdot d^2}}\right] bd$$

$Ast_2 = 438.06 mm^2$

spacing of 8mm bars

$= \frac{1000 \times \frac{\pi}{4} \times 8^2}{438.06}$

$= 114.74 mm$

$\approx 114 mm < 3d = 318 mm$ or $300 mm$ [Cl 26.3.3]

☆ Distribution steel :-

$Ast_{min} = 0.12\%$

$= \frac{0.12 \times 1000 \times D}{100}$

$= \frac{0.12 \times 1000 \times 125}{100}$

$Ast_{min} = 150 mm^2$

spacing of 6mm bars

$= \frac{1000 \times \frac{\pi}{4} \times 6^2}{150}$

$= 188.49 mm$

$\approx 188 mm < 5d = 530 mm$ or $450 mm$ [Cl. 26.5.2.1]

6) Check for depth

$Mu_3 = Mu_{lim}$

$15.32 \times 10^6 = 0.138 \times 20 \times 1000 \times d^2$

$d = 74.50 mm$

Hence ok $< d_{provided} = 106 mm$

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(7) Check for deflection :-

$$f_s = 0.58 F_y \times \frac{A_{st}\ (A_{st}-1)}{A_{st}\ Prov.}$$

$$= 0.58 \times 415 \times \frac{374.33}{374.33}$$

$f_s = 240.7\ N/mm^2$

$$P_t = \frac{100 A_{st1}}{bd}$$

$$= \frac{100 \times 374.33}{1000 \times 106}$$

$P_t = 0.35\%$

For $f_s = 240\ N/mm^2$ & $P_t = 0.35\%$ [fig 4 P.NO. 38]

$\alpha = 1.4$

$$d_{req} = \frac{span}{basic\ l/d \times \alpha}$$

$$= \frac{3500}{26 \times 1.4}$$

$d_{req} = 96.15\ mm < d_{provided}\ 106\ mm$

Hence. ok

(8). Check for Shear :-

Maxi S.F = 0.6 Wud.le to 0.6 Wal.le.

$= 0.6 \times 6.94 \times 3.356 + 0.6 \times 6 \times 3.356$

$= 26.05\ kN$

$$P_t = \frac{100 A_{st2}}{bd}$$

$$= \frac{1000 \times 438.06}{1000 \times 106}$$

$P_t = 0.41\%$

For M20 & $P_t = 0.41$ [Table 19 P.NO. 73]

$\tau_c = 0.437$

For D = 125 mm [Table 7

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Design shear capacity = $k \cdot \tau_c bd$

$= 1.3 \times 0.437 \times 1000 \times 106$

$= 60.21 kN > Max\ SF = 26.05 kN$

(9) Check for develo. length.

Here $M_1 = M_{u1} = 13.27 kNm$

$V = 0.4 w_{ud} l_e + 0.45 w_{ul} l_e$

$= 0.4 \times 6.94 \times 3.356 \times 0.45 \times 6 \times 3.356$

$V = 18.37 kN$

$L_o = \frac{b}{2} - cover = \frac{250}{2} - 15$

$L_o = 110 mm$

$L_d = \frac{0.87 F_y \cdot \phi}{4 \tau_{bd}}$

$= \frac{0.87 \times 415 \times 8}{4 \times 1.2 \times 1.6}$

$L_d = 376.09 mm$

$L_d < \frac{1.3 M_1}{V} + L_o$

$L_d < \frac{1.3 \times 13.27 \times 10^3}{18.37} + 110$

$L_d < 1049.08 mm$

Hence ok

——— x ———

Q2) Design const:-

→ $F_{ck} = 20 kN/mm^2$

$F_y = 415 N/mm^2$

$M_{ulim} = 0.138 f_{ck} d^2 b$

$\gamma_m = 1.5$

end cond^n = 1

(2) Trial depth & Effective span:-

a) Trial depth

$d_{max} = \frac{span}{\quad} = \frac{4000 + 300}{\quad}$

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$d = 127.21$ mm

$D = \frac{127.21 + 15 + 8}{2}$

$D = 146.21$ mm

$D \simeq 150$ mm

$d = 131$ mm

b) Effective span

Lex is less of

i) $5000 + 131 = 5131$ mm

ii) $5000 + 300 = 5300$ mm

$\therefore$ Lex = 5131 mm

Ley is less of

i) $6000 + 131 = 6131$ mm

ii) $6000 + 300 = 6300$ mm

Ley = 6131 mm

Load calculation :-

Self weight :- $1 \times 1 \times D \times 25$

$= 1 \times 1 \times 0.15 \times 25$

$= 3.75$ KN/m²

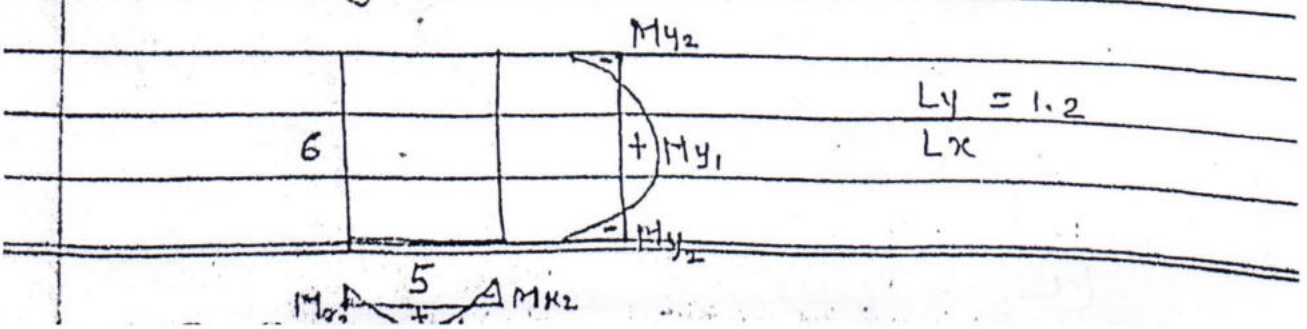
F.F. $= 1.5$ KN/m²

L.L $= 5$ KN/m²

Wu $= 1.5 (3.75 + 1.5 + 5)$

$= 15.75$ KN/m².

(4) Bending moment calculation



Coeff α	x_1	x_2	y_1	y_2
	0.032	0.043	0.024	0.032
B.M. Volume $\alpha_2 w l_x^2$	14.81	19.91	11.11	14.81

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(5) Reinforcement Calculations:-

Reinf.	Mu	Ast	Astmin	Check	Spacing	3d	300	Check for spacing
Bottom short	14.81	232.96	240	Not ok 240	209	543	300	ok
long	11.11	173.54	240	Not ok 240	209	543	300	ok
Top short	19.91	316.28	240	ok	158	543	300	ok
long	14.81	232.96	240	Not ok 240	209	543	300	ok

(6) Check for depth

Maxi. mu = Mulim

$19.91 \times 10^6 = 0.138 \times 20 \times 1000 \times d^2$

$d = 84.93 \text{ mm} < d_{prop} = 131 \text{ mm}$

Hence ok

(7) Check for deflection :-

$$f_s = 0.58 f_y \times \frac{A_{st\,req}}{A_{st\,prov}}$$

$$= 0.58 \times 415 \times \frac{232.96}{240}$$

$$\boxed{f_s = 233.63 \text{ N/mm}^2}$$

$$P_t = \frac{100 A_{st}}{bd}$$

$$= \frac{100 \times 240}{1000 \times 131}$$

$P_t = 0.13\%$

for $f_s = 240 \text{ N/mm}^2$ & $P_t = 0.13\%$

$$\boxed{\alpha = 2.0}$$

$$d_{req} = \frac{\text{span}}{\text{basic } l/d \times \alpha}$$

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$d_{req} = 101.92 < d_{prov} = 131\ mm$

Hence o/k

(2) Check for Shear :-

$\beta = \frac{l_y}{l_x} = 1.2$

S.F on long edge $= 1.2\ w_u l_e \left(\frac{\beta}{2\beta+1}\right)$

$= 1.2 \times 17.25 \times 5.181 \left(\frac{1.2}{2\times 1.2+1}\right)$

$= 37.85\ kN$

S.F on long edge $= 1.2\ w_u L_x / 2$

$= 1.2 \times 17.25 \times 5.181 / 2$

$= 35.74\ kN$

Max. S.F $= 37.85\ kN$

for $D = 250\ mm$

$k = 1.2$

$p_t = \frac{100 A_{st}}{bd}$

$= \frac{100 \times 916.28}{1000 \times 131}$

$= 0.24\ \%$

for $p_t = 0.24$ & M20 grade.

$\tau_c = 0.296$

Design shear capacity $= k \tau_c bd$

$= 1.2 \times 0.296 \times 1000 \times 131$

$= 46.53\ kN$

$>$ Max. S.F

37.85 kN =

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(9) Torsional Reinforcement:-

Torsional steel = $\frac{3}{8}$ x Ast of short t mid span

$= \frac{3}{8} \times 240$

$= 90 mm^2$

spacing of 6mm bars

$= \frac{1000 \times \frac{\pi}{4} \times 6^2}{90}$

$= 314 mm.$

(10) Check for develop. length

$V = 37.85 kN$

$\tau bd = 1.2 \times 1.6$

$m_1 = m_{x1} = 14.81 kNm$

$L_o = \frac{300}{2} - 15 = 135 mm$

$\therefore \frac{0.87 f_y \phi}{4 \tau bd} < \frac{1.3 m_1}{V} + L_o$

$\frac{0.8 \times 415 \times 8}{4 \times 1.2 \times 1.6} < \frac{1.3 \times 14.81 \times 10^6}{37.85 \times 10^3} + 135$

$379.09 mm < 643.66 mm$

Hence ok

Q.5) Design const:-

$f_{ck} = 20 N/mm^2$

$f_y = 415 N/mm^2$

$f_{ck} = 0.138 f_{ck} b d^2$

$\gamma_m = 1.5$

end cond^n = 4

(2) Trial depth & effective span:

→ Trial depth [illegible]

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$$d_{req} = \frac{span}{basic\ l/d \times q} \quad (C.L\ NO.\ 23.2.1)$$

$$= \frac{6000}{26 \times 1.4}$$

$$d_{req} = 164.83\ mm$$

$$D = 164.83 + 15 + \frac{8}{3}$$

$$D = 183.83\ mm$$

$$D \leq 200\ mm$$

$$d = 200 - 15 - 8/4$$

$$d = 181\ mm$$

b) Effective span:-

$$l_{ex} = 6000\ mm$$

$$l_{ey} = 7800\ mm$$

Load calculation:

self wt $= 1 \times 1 \times D \times 25$

$= 1 \times 1 \times 0.200 \times 25$

$= 5\ kN/m^2$

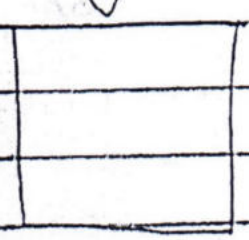
F.F $= 1\ kN/m^2$

L.L $= 4\ kN/m^2$

$w_u = 1.5\ (5 + 1 + 4)$

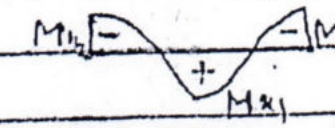
$w_u = 15\ kN/m^2$

(4) Bending moment calculation



$$\frac{L_y}{L_x} = \frac{7800}{6000}$$

$$= 1.3$$



	x_1	x_2	y_1	y_2
Coeff α	0.049	0.065	0.035	0.047
M value (kNm)	26.46	35.1	18.9	25.38

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⑤ Reinforcement calculation

Reinf	mu	Ast	Ast-min	check for Ast-min	spacing	3d	300	check spacing
Bottom short	26.46	425.89	240	ok	118	543	300	ok
long	18.9	299.64	240	ok	167	543	300	ok
Top short	35.1	575.32	240	ok	87	543	300	ok
long	25.38	407.61	240	ok	123	543	300	ok

(table 26.3.3)

⑥ check for depth :-

$$\text{Max } M_{yd} = M_{ulim}$$

$$35.1 \times 10^6 = 0.138 \times 20 \times 1000 \times d^2$$

$$d = 112.77\text{mm} < d_{prov} = 181\text{ mm}$$

Hence ok

⑦ check for deflection :-

$$f_s = 0.58 f_y \times \frac{A_{st\,req}}{A_{st\,prov}}$$

$$= 0.58 \times 415 \times \frac{425.89}{425.89}$$

$$f_s = 240.7\ N/mm^2$$

$$p_t = \frac{100 A_{st}}{bd}$$

$$= \frac{100 \times 425.89}{1000 \times 181}$$

$$p_t = 0.23\ \%$$

for $f_s = 240\ N/mm^2$ & $p_t = 0.23\ \%$

$$\alpha = 1.65$$

$$d_{req} = \frac{span}{basic\ l/d \times \alpha}$$

$$= \frac{6000}{\times\times}$$

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$d_{req} = 139.86\ mm < d_{prov} = 181\ mm$

Hence ok

⑧ Check for Shear :-

$\beta = 1.5$

S.F on long edge $= 1.2\ w_u l_x \left(\frac{\beta}{2\beta+1}\right)$

$= 1.2 \times 15 \times 6 \left(\frac{1.3}{2\times 1.3+1}\right)$

$= 39\ kN$

S.F on short edge $= 1.2\ w_u \frac{2x}{3}$

$= \frac{1.2 \times 15 \times 6}{3}$

$= 36\ kN$

Max S.F. $= 39\ kN$

for D $= 200$

K $= 1.2$

$p_t = \frac{100\ A_{st}}{bd}$

$= \frac{100 \times 575.32}{1000 \times 181}$

$p_t = 0.31\%$ for M20 grade

$\tau_c = 0.388$

Design shear capacity $= k \tau_c b.d$

$= 1.2 \times 0.388 \times 1000 \times 181$

$= 84.27\ kN$ < Max S.F 39 kN

Hence ok

⑨ Torsional Reinf

Torsional steel $= \frac{3}{8} \times$ Area of short Mid span

$= \frac{8}{} \times 425.89$

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spacing of 6mm bars

$$= \frac{1000 \times \frac{\pi}{4} \times 6^2}{159.70}$$

$$= 177\ mm$$

☆ Check for develop. length :-

$$T_{bd} = 1.2 \times 1.6$$

$$= 39\ kN$$

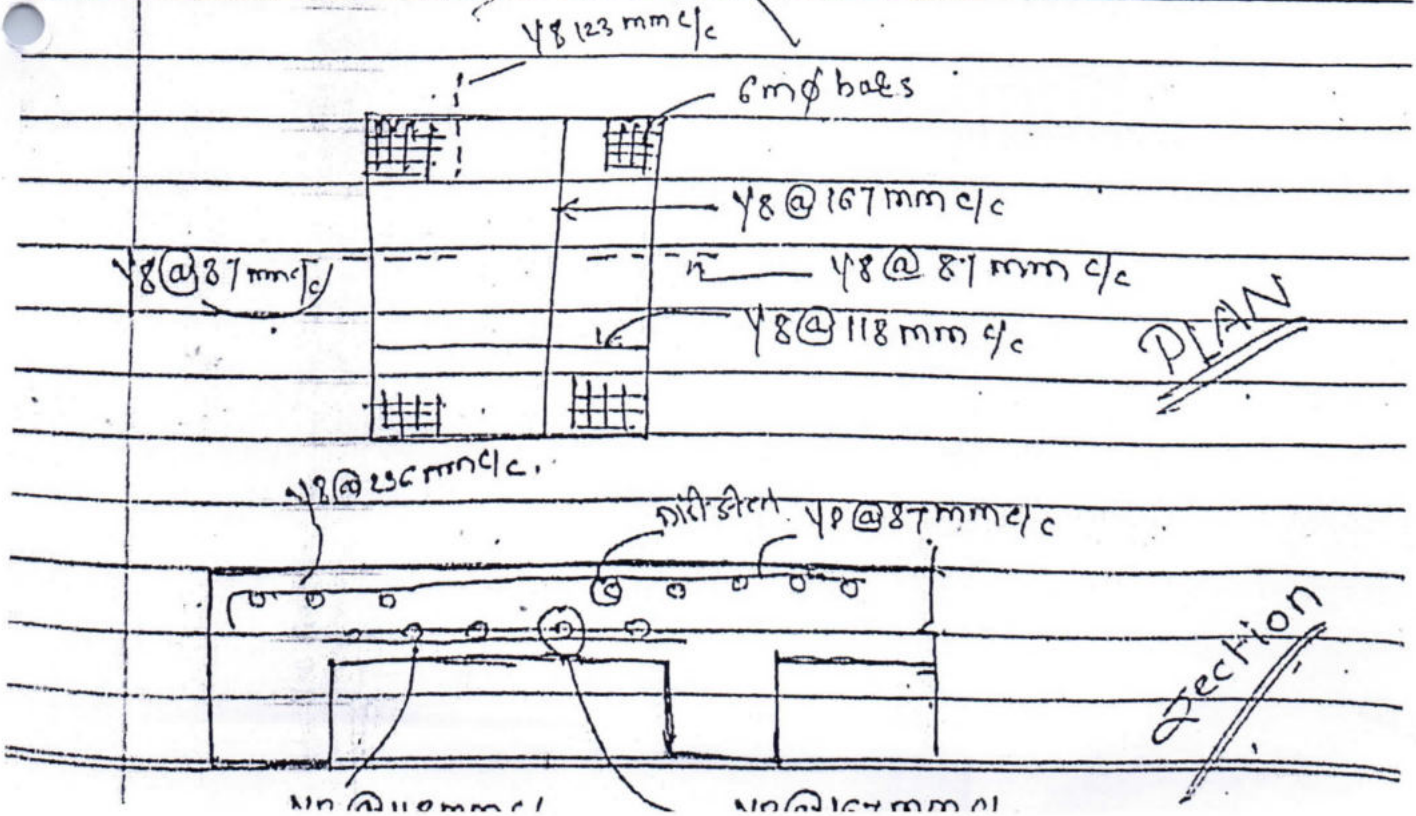
$$L_o = \frac{300 - 15}{2} = 135\ mm$$

$$m_1 = m_{x1} = 26.46\ kN.m$$

$$\frac{0.87 f_y \phi}{4 T_{bd}} < \frac{1.3 \times 26.46 \times 10^6}{39 \times 10^3} + 135.$$

$$376.09\ mm < 1017\ mm$$

Hence ok



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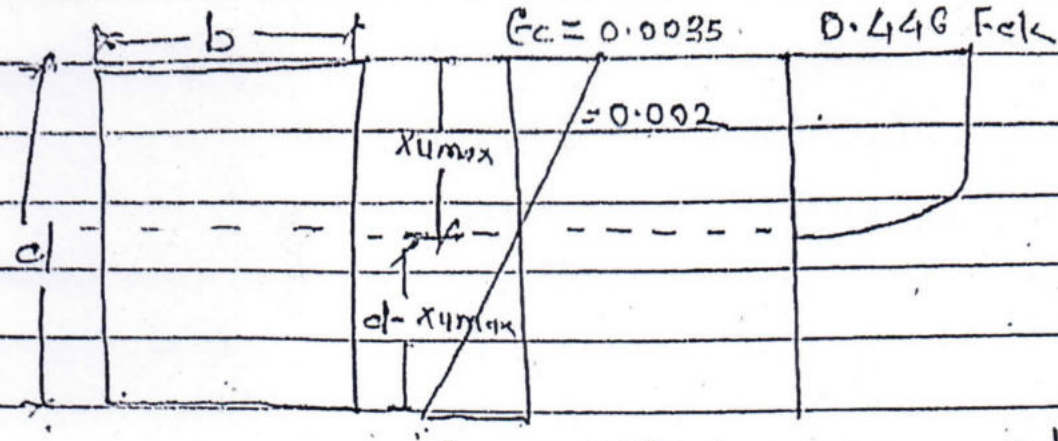
Q1) Differential bet^n. W.S.M. & L.S.M.

W.S.M	L.S.M
① It will design uncracked section	① It will design cracked section
② No factor of safety for loads.	② factor of safety for dead load & liveload is 1.5
③ sections design by W.S.M are uneconomical as compare to sections desing by L.S.M	③ sections design by L.S.M economical as compared to sections designs by W.S
④ stress stain relationship of concrete is linear.	④ stress-strain relationshi of concrete is paraboli
⑤ It deals with working load	⑤ It deals with altimat load
⑥ Now a days only used for designing of impermeable structure & load tight structures such as water tank retaining wall etc.	⑥ Now a days used for designing of all stru components such as colourn, etc. except. impermeable elemen
⑦ Load uncertainity is not considered	⑦ Load uncertainity is considered
⑧ It is based on permissible stresses	⑧ It is based on actual stresses

Q. Differentiat betn W.S.P.H & L.S.P.H



$$\epsilon_c = \frac{0.5 y F_y}{E_s} + 0.002 \quad \text{stress dia}$$

For stain dia

$$\frac{X_{umax}}{(d - X_{umax})} = \frac{0.0035}{\frac{0.87 F_y}{E_s} + 0.002}$$

$$\frac{0.87 F_y}{E_s} X_{umax} + 0.002 X_{umax} = 0.0035 d - 0.0035 X_{umax}$$

$$\left[\frac{0.87 F_y}{E_s} + 0.0055\right] X_{umax} = 0.0035 d$$

$$X_{umax} = \frac{0.0035 d}{\left(\frac{0.87 F_y}{E_s} + 0.0055\right)}$$

i.e. $X_{umax} = \left[\frac{0.0035}{\frac{0.87 F_y}{E_s} + 0.0055}\right] d$

For FE 250, $F_y = 250 \ N/mm^2$

$E_s = 2 \times 10^5 \ N/mm^2$

$$\therefore X_{umax} = \left[\frac{0.0035}{\frac{0.87 \times 250}{2 \times 10^5} + 0.0055}\right]$$

$[x_{umax} = 0.53d]$

For Fe 415 =

$f_y = 415\ N/mm^2$

$f_s = 2\times10^5$

$$\therefore x_{umax} = \left[\frac{0.0035}{\frac{0.87\times415}{2\times10^5} + 0.0055}\right]\times d$$

$\therefore x_{umax} = 0.49d$

—— x ——

One Way slab	Two Way slab
1) main rainf of one way slab is always along the shorter spane. (ller to short span) & distributed bar is provided along longer spane (ler to shorter. ller to longer span to tie the main rainf in posn only	1) Main rainforcement is provided along both the direction
② In one way slab major bending taken place along shorter direction always in longer direction bending is very small can be ignored.	② In two way slab bending takes place in both direction i.e. shorter & longer. there for rainf. should be provid along both direction
③ $\frac{L_y}{L_x} > 2.0$ is called one way slab	③ if $\frac{L_y}{L_x} \leq 2.0$ is called two way slab

24) Modes of failure:-

1) Balance section

when the ratio of steel concrete in a section is much that strain in concrete & strain in steel reach their max value at the same time the section is reinf as balanced sectⁿ. and the % of steel in these section is known as critical steel %.

2) under reinf section

(i) when the ratio of steel in section is less than critical % the section is known as under reinf section.

3) Over reinf section

i) when the % of steel in sectⁿ is more they critical of the sectⁿ is known as over reinf sectⁿ

H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P.R.POTE (PATIL) COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI.

FIRST YEAR ENGINEERING DEPARTMENT

Poster Competition

A poster competition was held on 7th April 2018 in P. R. Pote college of Engineering and Management Hon' Dr. D. G. Wakde Sir, Director PRPCEM, Prof. P. R. Wadnerkar Sir, Head of First Year Dept. visited the gallery and appreciated the work of the students. The competition was effectively judged by the distinguished faculty members, Prof. Deepak Shahakar Sir, Prof. Sanjay Deshmukh sir and Prof. Kirti Hinge Madam.





Poster Competition In-charge

HOD of First Year

H.O.D.
Dept. of First Year Engineering
P.R. Pote (Patil) Edu. & Welfare Trust's
Group of Institutions, AMRAVATI.

P.R.POTE(PATIL)COLLEGE OF ENGINEERING AND MANAGEMENT,AMRAVATI

Department of First Year Engineering

Session:-2017-18

List of Students participated in poster compition

Sr.No.	Name of Student
1	Ku Aieshwarya Safal Kale
2	Ku Ankita Chhatrapati Thakre
3	Ku Ashlesha Hemant Yeole
4	Ku Damini Gopal Pathare
5	Ku Jagruti Balasaheb Sawai
6	Ku Komal Anil Agarkar
7	Ku Madhavi Rajendra Sawarkar
8	Ku Mrunal S. Deshmukh
9	Ku Nikita Vilasrao Mungane
10	Ku Pallavi Hemant Manne
11	Ku Payal Dharmaratan Ukey
12	Ku Prajakta Subhash Ankurkar
13	Ku Prajkata Arun Tayade
14	Ku Purva D. Nimbhorkar
15	Ku Rudrakshi Rajesh Muktewar
16	Ku Rutuja Ravikiran Jawarkar
17	Ku Sakshi Rajendra Pakhan
18	Ku Shivani Janrao Sultane
19	Ku Shreya Sanjay Gawande
20	Ku Sonal Mohan Wankhade
21	Ku Srushti Vijayrao Isokar
22	Ku Vishakha Sanjay Atkare
23	Ku Vishakha Vilas Badre
24	Mr Abhishek Subhash Charthal
25	Mr Akash Anandrao Kadu
26	Mr Aniket Ashokrao Raibole
27	Mr Ashish Anilrao Rithe
28	Mr Chetan Bharat Gawande
29	Mr Devanshu Sanjay Gayki
30	Mr Dewalya Hemantrao Tadas

HOD First Year

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Dept. of First Year Engineering
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P. R.POTE (PATIL) COLLEGE OF ENGINEERING AND MANAGEMENT, AMRAVATI
Department of Mechanical Engineering

Program Outcomes

Engineering Graduate will be able to:

PO1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and the need for sustainable development.

PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work,

as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

4ME02	Energy Conversion-I	3-0-0	2 - Credits

Course Outcomes (COs)

Prerequisites: Thermal Engineering

After successful completion of the course, the students should be able to

Course:- Energy Conversion -I – [4ME02]	
CO1	Discuss the various sources of energy and basic terminology of Mechanical engineering.
CO2	Make calculations for commonly used working fluids i.e. ideal gases and steam.
CO3	Analyze various heat engine cycles and understand construction and working of engines.
CO4	Discuss working and applications of steam boilers and various energy conversion systems.
CO5	Discuss various power transmission elements and properties of various engineering materials with their applications.

Program Specific Outcome (PSOs)

PSO1:- Graduates will be able to apply technical knowledge to identify, formulate and solve Mechanical Engineering problems relating to thermodynamics, fluid sciences, materials science, design and dynamics and industrial management.

PSO2:- Graduates will utilize their skills to solve industrial and R&D problems using modern engineering tools, latest software and equipment for environment friendly solution.

PSO3:- Graduates will be able to pursue their career as professional entrepreneur in manufacturing.

Mapping of course outcomes with program outcomes

Course:- Energy Conversion-I – [4ME02]														
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
CO1	2												2	
CO2	2	1											2	
CO3	2	1											2	
CO4	2												1	
CO5	2												2	
Avg	2	0.4											1.8	

CO-PO Mapping & Justification:-

Mapping	Level	Justification
CO1-PO1	2	Basic knowledge about various sources of energy and basic terminology of Mechanical systems will be gained by students.
CO2-PO1	2	Students will understand basic properties of fluids i.e. ideal gases and steam
CO2-PO2	1	Apply the knowledge of ideal gases and steam to solve the basic problems.
CO3-PO1	2	Basic knowledge about various heat engine cycles and understand construction and working of engines will be gained by students.
CO3-PO2	2	As they could use their acquired knowledge to solve basic heat engine cycles
CO4- PO1	2	Student will understand the boiler construction and working and various energy conversion systems.
CO5-PO1	2	Student will be aware to various power transmission elements, and applications of various engineering materials
CO1-PSO1	2	Student will be able to apply technical knowledge to identify Mechanical Engineering problems
CO2-PSO1	2	The acquired knowledge of steam and gas properties can be used to understand the Mechanical Engineering problems
CO3-PSO1	2	Student will be able to apply technical knowledge to analyze Mechanical Engineering problems relating to thermodynamics
CO4-PSO1	1	Student will be able to understand the construction and working of the Boiler which will help them to identify Mechanical Engineering problems.
CO5-PSO1	2	Students can utilize knowledge of various engineering materials to recognize Mechanical Engineering problems related to material science.

Subject Incharge.

P.R.POTE(PATIL) COE & MGT. AMRAVATI

CO INTERNAL MARKS- ATTAINMENTS

SUBJECT-M.II (2017-18)

W-17

Course	INTERNAL ASSESSMENTS (COLLEGE EXAMS)												Overall internal attainment
	Attainment Percentage of Cos						Attainment Level of Cos						
	CO1	CO2	CO3	CO4	CO5	CO6	CO1	CO2	CO3	CO4	CO5	CO6	
M-II	0.5	0.5	0.5	0.4	0.98	0.97	1	1	1	1	3	3	1.67

Course	EXTERNAL ASSESSMENTS (COLLEGE EXAMS)												Overall External attainment
	Attainment Percentage of Cos						Attainment Level of Cos						
	CO1	CO2	CO3	CO4	CO5	CO6	CO1	CO2	CO3	CO4	CO5	CO6	
M-II	49.77	49.77	49.77	49.77	49.77	49.77	2	2	2	2	2	2	2.00

Course	Overall attainment		Overall attainment	Target	Met/Not Met
	0.2*Overall internal attainment	0.8*Overall External attainment			
M-II	0.33	1.60	1.93	1.05	MET

OVERALL ATTAINMENT TARGET 35%

1.05

Subject Incharge

HOD First Year

H.O.D.
Dept. of First Year Engineering
P.R. Pote (Patil) Edu. & Welfare Trust's
Group of Institutions, AMRAVATI

REVISED Bloom's Taxonomy Action Verbs

Definitions	I. Remembering	II. Understanding	III. Applying	IV. Analyzing	V. Evaluating	VI. Creating
Bloom's Definition	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.
Verbs	• Choose • Define • Find • How • Label • List • Match • Name • Omit • Recall • Relate • Select • Show • Spell • Tell • What • When • Where • Which • Who • Why	• Classify • Compare • Contrast • Demonstrate • Explain • Extend • Illustrate • Infer • Interpret • Outline • Relate • Rephrase • Show • Summarize • Translate	• Apply • Build • Choose • Construct • Develop • Experiment with • Identify • Interview • Make use of • Model • Organize • Plan • Select • Solve • Utilize	• Analyze • Assume • Categorize • Classify • Compare • Conclusion • Contrast • Discover • Dissect • Distinguish • Divide • Examine • Function • Inference • Inspect • List • Motive • Relationships • Simplify • Survey • Take part in • Test for • Theme	• Agree • Appraise • Assess • Award • Choose • Compare • Conclude • Criteria • Criticize • Decide • Deduct • Defend • Determine • Disprove • Estimate • Evaluate • Explain • Importance • Influence • Interpret • Judge • Justify • Mark • Measure • Opinion • Perceive • Prioritize • Prove • Rate • Recommend • Rule on • Select • Support • Value	• Adapt • Build • Change • Choose • Combine • Compile • Compose • Construct • Create • Delete • Design • Develop • Discuss • Elaborate • Estimate • Formulate • Happen • Imagine • Improve • Invent • Make up • Maximize • Minimize • Modify • Original • Originate • Plan • Predict • Propose • Solution • Solve • Suppose • Test • Theory

nderson, L. W., & Krathwohl, D. R. (2001). A taxonomy for learning, teaching, and assessing, Abridged Edition. Boston, MA: Allyn and Bacon.

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions
College of Engineering and Management, Amravati

Department of First Year Engineering

First Year (Ist SEM) | **Unit Test - I** | Sub: M-II (1B1)

Max. Marks: - 30 | Odd Session 2017- 2018 | Time: - 1 hr.15 min.

Instructions to Candidates:

1) Solve any two questions Q1 OR Q2 and Q3 OR Q4
2) Due credit will be given to neatness and adequate dimensions.
3) Assume suitable data wherever necessary.
4) Use pen of Blue/Black ink/Refill only for writing the answer book.
5) Use of calculator is allow

SECTION - A

1. A. Find the inverse of matrix $A = \begin{bmatrix} 1 & 1 & 3 \\ 1 & 3 & -3 \\ -2 & -4 & -4 \end{bmatrix}$ by using partitioning method. [7]

1. B. Find Eigen values and Eigen vectors of matrix $A = \begin{bmatrix} 4 & 6 & 6 \\ 1 & 3 & 2 \\ -1 & -4 & -3 \end{bmatrix}$ [8]

OR

2. A. For what values of λ, the equations $x + y + z = 1$, $x + 2y + 4z = \lambda$, $x + 4y + 10z = \lambda^2$ has solution and solve them completely [7]

2. B. Verify Caley-Hamilton's theorem and hence find A^{-1} where $A = \begin{bmatrix} 8 & -8 & -2 \\ 4 & -3 & -2 \\ 3 & -4 & 1 \end{bmatrix}$

[8]

SECTION – B

3. A. Find the Fourier Series of $f(x) = e^{-x}$, $0 \le x \le 2\pi$ [7]

3. B. Find a Fourier Series for a function $f(x) = x - x^2$, $-\pi < x < \pi$

Also show that $\frac{\pi^2}{12} = \frac{1}{1^2} + \frac{1}{2^2} + \frac{1}{3^2} + - - - -$ [8]

OR

4. A. If $f(x) = mx, \quad 0 \le x \le \frac{\pi}{2}$

$= m(\pi - x) \quad \frac{\pi}{2} \le x \le \pi$

show that $f(x) = \frac{4m}{\pi}\left(\frac{\sin x}{1^2} - \frac{\sin 3x}{3^2} + \frac{\sin 5x}{5^2} + - - - -\right)$ [7]

4. B. Find a Fourier series with a period 2 to represent the function $f(x) = 2x - x^2$ in the interval (0,2) [8]

UNIT TEST -I

Scheme of Evaluation

Class and Section: first year Section A

Subject with Code: Engineering Mathematics-II (1B1)

Max. Marks :30

Q.No.	SCHEME	MARKS	COs
1(a)	*i)* $\|A\| \neq 0$ ii) $\|A_{11}\| \neq 0$ iii) obtain A_{11}^{-1} iv) obtain $z^{-1}, B_{11}, B_{12}, B_{21}, B_{22}, A^{-1}$	1+1+1+4	1
1(b)	i)Obtain Eigen values λ_1, λ_2, λ_3 ii) Eigen vector for λ_1 iii) Eigen vector for λ_2 iii) Eigen vector for λ_3	2+2+2+2	
2(a)	i) obtain Augmented matrix $[A:B]$ ii)obtain λ iii)obtain x, y, z *for* $\lambda = 1$ iv) obtain x, y, z *for* $\lambda = 2$	2+1+2+2	1
2 (b)	i) Find Characteristic Equation ii) Characteristic equation using Caley Hamilton theorem iii) verification of Caley Hamilton theorem	2+2+4	
3 (a)	i) Series of f(x) ii) Obtain a_0 iii) Obtain a_n iv) Obtain b_n v) obtain series of f(x)	1+1+2+2+1	2
3 (b)	i)Write Series of f(x) and Obtain a_0 ii) Obtain a_n iii) Obtain b_n iv) obtain series of f(x)	2+2+2+2	
4 (a)	i) Series of f(x) ii) Obtain b_n iv) obtain series of f(x)	2+3+2	2
4 (b)	i)Write Series of f(x) and Obtain a_0 ii) Obtain a_n iii) Obtain b_n iv) obtain series of f(x)	2+2+2+2	

STAFF IN-CHARGE: Dr. S. A. Khapre,

Dept. of First Year Engineering

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions
College of Engineering and Management, Amravati

Department of First Year Engineering

First Year (Ist SEM) | **Assignment (Unit-V,VI)** | Sub: M-I (1A1)

Max. Marks: - 30 | Even Session 2017- 2018

Instructions to Candidates:

1) Solve two questions Q1 and Q2 compulsorily
2) Due credit will be given to neatness and adequate dimensions.
3) Assume suitable data wherever necessary.
4) Use pen of Blue/Black ink/Refill only for writing the answer book.
5) Use of calculator is allow

1. A. I) Solve. $xy-\frac{dy}{dx}=y^3e^{-x^2}$ $\frac{dy}{dx}=\frac{y^3}{e^{2x}+y^2}$ [4]

   II) Solve $(x+y)^2\left(x\frac{dy}{dx}+y\right)=xy\left(1+\frac{dy}{dx}\right)$ [3]

2. B. I) Solve $\frac{dy}{dx}=\frac{y^3}{e^{2x}+y^2}$ [4]

   II) Solve $\frac{dy}{dx}+\frac{y\cos x+\sin y+y}{\sin x+x\cos y+x}=0$ [4]

3. A. I) Solve $y-2px=\tan^{-1}\left(xp^2\right)$. [3]

   II) Find orthogonal trajectory to the cardioids $r=a(1+\cos\theta)$ [4]

4. B. I) Solve $p^2+2py\cot x-y^2=0$ [4]

   II) The equation of e.m.f. in terms of current I for an electrical circuit having resistance R and a condenser of capacity C, in series is, $E=Ri+\int\frac{i}{c}dt$ .Find the current i, when $E=E_m\sin\omega t$. [4]

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions
College of Engineering and Management, Amravati.

DEPARTMENT OF CIVIL ENGINEERING

MASTER TIME TABLE, 2017-2018 (W-17)

Semester: IIIth, Vth & VIIth W.E.F. - 27/06/2017

Day	Time: Year	SEM	11.00 -12.00	12.00 - 1.00	1.30 - 2.30	2.30 - 3.30	3.40 - 4.40	4.40 - 5.40
Monday	SE	III	TRE-I(SSS)	SOM(AKC)	SOM(ARW)X/TRE(SSS)Z/ BCM(SRS)Y		BCM(SRS)	GEO(NKC)
	TE	V	RCC-II(SVD)	BPD(MSD)	SUR II(MAR)	FM-II(RSI)	Elect.(NPB)	T&P Activity(TSJ)
	FE	VII	TOS-II(MZ)	EE-I(RSI)	GE-II(PAB)/ TOS-II(MZ) (Tutorial)	SD-II(NPB)	TOS-II(AKC)Y/GE-II(PAB)Z/ SD-II(SVD)X	
Tues day	SE	III	M-III(SAB)	TRE-I(SSS)	TRE-I(SSS)Y/ BCM(SRS)X/GEO(NKC)Z		EVS (YKV)	BCM(SRS)
	TE	V	BPD(MSD)	FM-II(RSI)	RCC-II(SVD)	SUR-II(MAR)	CS(SST)Z/SUR-II(MAR)Y/ FM-II(RSI)X	
	FE	VII	TOS-II(AKC)X/GE-II(PAB)Y/ SD-II(SVD)Z		GE-II(PAB)	EE-I(RSI)	SD-II(NPB)	TOS-II(MZ)
Wednesday	SE	III	SOM (AKC)	M-III(SAB)/ SOM(AKC) (Tutorial)	SOM(ARW)Z/ GEOLOGY (NKC)Y/TRE-I(SSS)X		BCM(SRS)	TRE-I(SSS)
	TE	V	FM-II(RSI)Z/ CS-(SST)Y/BPD(MSD)X		RCC-II/FM-II(Tutorial)	SUR-II(MAR)	FM-II(RSI)	Elect. (NPB)
	FE	VII	ACT(SRS)	SD-II(NPB)	TOS-II(MZ)	GE-II(PAB)	TOS-II(AKC)Z/GE-II(PAB)X/ SD-II(SVD)Y	
Thursday	SE	III	GEO(NKC)	SOM(AKC)/ M-III(SAB) (Tutorial)	BCM(SRS)	TRE-I(SSS)	M-III(SAB)	Counseling/ Library Hour
	TE	V	FM-II(RSI)	CS(SST)	RCC-II(SVD)	Elect.(NPB)	BPD(MSD) Y&Z /SUR-II(MAR)X	
	FE	VII	ACT(SRS)	GE-II(PAB)	EE-I(RSI)	TOS-II(MZ)	Project (All batches)	
Friday	SE	III	BCM(SRS)	TRE-I(SSS)	SOM(AKC)	M-III(SAB)	SOM(ARW)Y/BCM(SRS)Z/ GEO(NKC)X	
	TE	V	SUR-II(MAR)	CS(SST)	BPD-(MSD)X/SUR-II(MAR)Z/FM-II(RSI)Y		RCC-II(SVD)	BPD(MSD)
	FE	VII	TOS-II(MZ)/ GE-II(PAB) (Tutorial)	SD-II(NPB)	ACT(SRS)	EE-I(RSI)	T&P Activity (RDW)	Library Hour
TIME			8.00 - 9.00	9.00 - 10.00	10.30 -11.30	11.30-12.30	12.30 - 1.30 pm	
Saturday	SE	III	GEO(NKC)	SOM(AKC)	M-III (SAB)	FORUM ACTIVITY/Library Hour		
	TE	V	SUR-II(MAR)	FM-II/RCC-II(SVD) (Tutorial)	BPD (MSD)Y&Z/ CS(SST)X		FORUM ACTIVITY/ Library Hour	
	FE	VII	EE-I(RSI)	ACT(SRS)	GE-II(PAB)	SD-II(NPB)	Project (All batches)	

1.0 to 1.30 (Recess)

3.30 to 3.40 (Recess)

10.00 to 10.30 Recess

Prof.

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions

College of Engg. & Management, Amravati

DEPARTMENT OF CIVIL ENGINEERING

TUTORIAL SHEET

Date: 26/07/17 (
27/07/17 (t

This Tutorial corresponds to Unit No. / Lesson-II. Design of One way Slab & Continuous slab

Q.1 Design an one way continuous slab for a hall of 18m x 18m (c/c), if column are provided along the length of hall at 3 m c/c. The width of beams supporting slab system is 300 mm. Assume superimposed load on slab as 4kN/m. Use M20 mix & Fe415 grade steel, sketch details.

Q.2 Design a roof slab for a hall 20 m * 9 m (c/c), if columns are provided along the length of hall at 4 m c/c. The super-imposed load on slab is 4 kN/m2. The width of beams supporting slab is 300 mm. Use M 20 mix and Fe 415 grade steel. Sketch the details.

Course Outcome Nos.: CO2

26 07 17

One way slab Problem

1) Design a one way slab Continous slab for Hall 18m x 8m c/c if the Columns are Provided along the length of hall of 3m c/c The width of the beam supporting slab of 300mm Assume Super imposed load on slab as 4kN/m use M20 & Fe415

Ans ⇒ 1) Design Constant :-

$f_{ck} = 20 N/mm^2$

$f_y = 415 N/mm^2$

$M_{u\lim} = 0.138 f_{ck} b d^2$

$\gamma_m = 1.5$

2) Trial depth & effective Span :-

a) Trial depth (d):

$$d_{req} = \frac{\text{Span}}{\text{basic}(l/d) \times \alpha} \quad (\text{Cl. No } 23.2.1)$$

$$= \frac{3000}{26 \times 1.3}$$

$d_{req} = 88.75 mm$

$D = d_{req} + \text{Cover} + \frac{\phi}{2}$

$= 88.75 + 15 + \frac{8}{2}$

$D = 107.75 mm$

$D = 125mm$

$d = 125 - 15 - \frac{8}{2}$

$d = 106mm$

b) Effective span

le is less of

1) $3000 - \frac{300}{2} - \frac{300}{2} + 106$

$= 2806mm$

2) $3000mm$ — (Cl No 22.2

$le = 2806mm$

3) Load calculation:-

a) Dead load = $(1 \times L \times D) \times 25$

$= 1 \times 0.125 \times 25$

$= 3.125 \ kN/m$

FF = $1.5 \ kN/m^2$ (assumed)

$w_{ud} = 1.5 \times (3.125 * 1.5)$

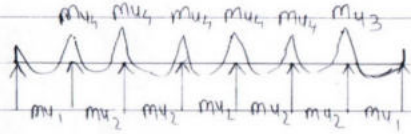
$w_{ud} = 6.93 \ kN/m$

b) Live load

$w_{ul} = 1.5 \times 4$

$w_{ul} = 6 \ kN/m$

4) Bending moment calculation:-



$M_{u_1} = \frac{1}{12} w_{ud} \cdot le^2 + \frac{1}{10} w_{ul} \cdot le^2$

$= \frac{1}{12} \times 6.33 \times 2.806^2 + \frac{1}{10} \times 6 \times 2.806^2$

$M_{u_1} = 9.27 \ kN/m$

$M_{u_2} = \frac{1}{16} w_{ud} \cdot le^2 + \frac{1}{12} w_{ul} \cdot le^2$

$= \frac{1}{16} \times 6.93 \times 2.806^2 + \frac{1}{12} \times 6 \times 2.806^2$

$M_{u_2} = 7.34 \ kNm$

$$M_{u3} = -\frac{1}{10} w_{ud} \cdot l_e^2 + \frac{1}{9} w_{ul} \cdot l_e^2$$

$$\boxed{M_{u3} = -10.70 \text{ kNm}}$$

$$M_{u4} = -\frac{1}{12} w_{ud} \cdot l_e^2 + \frac{1}{9} w_{ul} \cdot l_e^2$$

$$\boxed{M_{u4} = -9.79 \text{ kNm}}$$ - - - - -

(Table 11 No 22.5.1 IS456)

5) Reinforcement Calculation:-

Practically it is difficult to provide Diffrent Spacing for diffrent Span, so Providing bottom reinforcement for Maximum positive bending moment i.e M_{u1} & top reinforcement for maximum Negetive bending moment i.e M_{u3}

a) Main Steel:-

Bottom reinforcement

$$A_{st1} = \frac{0.5 f_{ck}}{f_y}\left[1 - \sqrt{1 - \frac{4.6 M_{u1}}{f_{ck} bd^2}}\right] bd$$

$$= \frac{0.5 \times 20}{415}\left[1 - \sqrt{1 - \frac{4.6 \times 3.27 \times 10^6}{20 \times 1000 \times 10^6}}\right] \times 1000 \times 10^6$$

$$\boxed{A_{st1} = 255.07 \text{ mm}^2}$$

Spacing of 8mm bar

$$= \frac{1000 \times \pi/4 \times 8^2}{255.07}$$

$< 3d = 3 \times 10^6$

$= 318 \text{ mm}$

300mm

Hence ok

Top reinforcement:-

$$A_{st2} = \frac{0.5 f_{ck}}{f_y}\left[1 - \sqrt{1 - \frac{4.6 M_{u3}}{f_{ck} \cdot bd^2}}\right] bd$$

$$= \frac{0.5 \times 20}{415}\left[1 - \sqrt{1 - \frac{4.6 \times 10.70 \times 10^6}{20 \times 1000 \times 10^6}}\right] \times 1000 \times 10^6$$

$$\boxed{A_{st2} = 296 \text{ mm}^2}$$

Spacing for 8mm bar :-

$$= \frac{1000 \times \pi/4 \times 8^2}{296.98}$$

$$= 169.2 \text{ mm}$$

Spacing $\simeq$ 160 mm

< 3d = 3×106 = 318 mm

300 mm

b) Distribution steel :-

Ast min = 0.12 %

-- (cl 26.5.2, IS456)

$$= \frac{0.12 \times 1000 \times 125}{1000}$$

$$\boxed{\text{Ast min} = 150 \text{ mm}^2}$$

Spacing of 8mm bar

$$= \frac{1000 \times \pi/4 \times 8^2}{150}$$

$$= 335.10$$

Spacing $\geq$ 300 mm < 5d = 5×106 = 530mm

450 mm

Hence ok

6) check for depth

$$M_{u3} = M_{u\,lim}$$

$$10.70 \times 10^6 = 0.138 f_{ck} \cdot bd^2$$

$$10.70 \times 10^6 = 0.138 \times 20 \times 1000 \times d^2$$

$$\boxed{d = 62.26 \text{ mm}}$$ < d prov = 106 mm

7) check for deflection :-

$$\text{Ast provided} = \frac{1000 \times \pi/4 \times 8^2}{190}$$

$$\boxed{\text{Ast provided} = 264.55 \text{ mm}^2}$$

$$f_s = 0.58 f_y \cdot \frac{\text{Ast req (Ast)}}{\text{Ast Provided}}$$

$$= 0.58 \times 415 \times \frac{255.07}{264.55}$$

$$\boxed{f_s = 232.11 \text{ N/mm}^2}$$

$$pt = \frac{100 \text{ Ast}_1}{bd}$$

$$= \frac{100 \times 255.07}{1000 \times 106}$$

$Pt = 0.24\%$

for $f_s = 240\ N/mm^2$ & $Pt = 0.24\%$

$\boxed{\alpha = 1.5}$ from [fig. 4 P.No. 38 IS 456]

$$d_{req} = \frac{span}{Basic\ l/d \times \alpha}$$

$$= \frac{3000}{26 \times 1.5}$$

$\boxed{d_{req} = 76.92\ mm}$ $< d_{provided} = 106mm$

8) check for shear :-

Maximum sf $= 0.6\ w_{ud} \cdot l_e + 0.6\ w_{ud} \cdot l_e$

$= 0.6 \times 6.93 \times 2.806 + 0.6 \times 6 \times 2.806$

$\boxed{\text{Maxi sf} = 21.76\ kN}$

Design shear capacity $= K \cdot \tau_c \cdot bd$

$$A_{st\,provided} = \frac{1000 \times \pi/4 \times 8^2}{160}$$

$= 314.15\ mm^2$

$$Pt = \frac{100 \times A_{st\,provided}}{bd}$$

$$= \frac{100 \times 314.15}{1000 \times 106}$$

$Pt = 03\%$.

from P.No 72 (Table)

$K = 1.3$

Design shear capacity $= K \cdot \tau_c \cdot bd$

$= 1.3 \times 0.384 \times 1000 \times 106$

$= 52.9\ kN$

> 21.76

i.e maximum s.f

Hence ok

g) check for development length:-

Here $m_1 = m_{u_1} = 9.27$ kNm

$V = 0.4 w_u l_e + 0.45 w_u l_e$

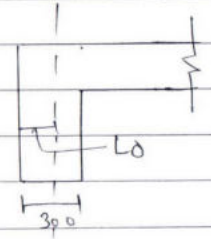
$= 0.4 \times 6.93 \times 2.806 + 0.45 \times 6 \times 2.806$

$\boxed{V = 15.35 \text{ kN}}$

$L_o = \frac{b}{2} - \text{Cover}$

$= \frac{300}{2} - 15$

$L_o = 135$ mm



$L_d = \frac{0.87 \times f_y \cdot \phi}{4 \tau_{bd}}$

$= \frac{0.87 \times f_y \cdot \phi}{4 \tau_{bd}}$

$= \frac{0.87 \times 415 \times 8}{4 \times 1.2 \times 1.6}$

$\boxed{L_d = 376.09 \text{ mm}}$

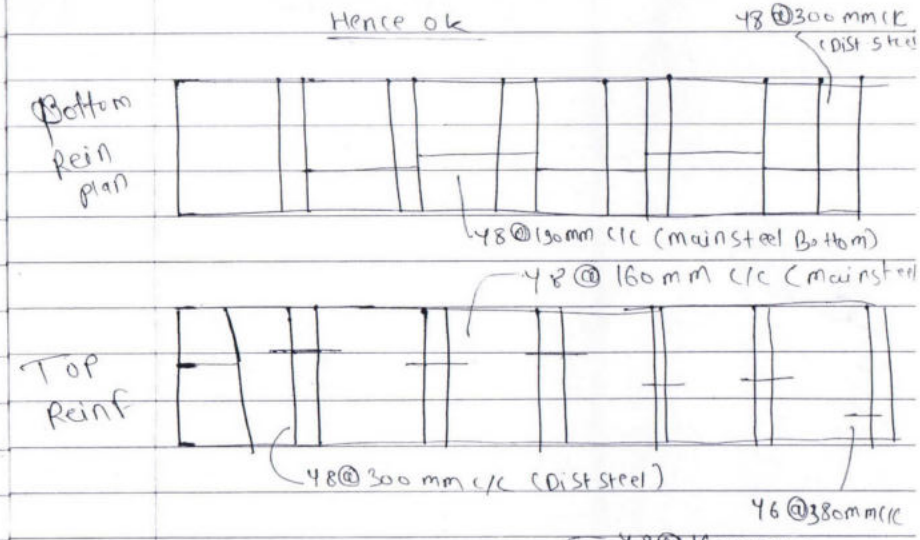
$= 1.3 \frac{M_1}{V} + L_o$

$\frac{1.3 \times 9.27 \times 10^3}{15.35} * 135$

$= 920.08$ mm

$376.09 < 920.08$ mm

Hence ok



Two way slab

02 08 17

2) Design an interior Pannel of two way slab of side 4.8 x 6m (clear) width of Support is 300mm Imposed load on slab IS 3.5 kN/m² weight of flooring Material is 1kN/m². use M_{20} & Fe_{415} sketch details in plan & cross section

Ans ⟹ 1) Design Constant

$f_{ck} = 20$

$f_y = 415$

$M_{u,lim} = 0.138 f_{ck} b d^2$

end condition = 1 (table 26)

2) Trial depth & effective span

a) Trial depth (d):

$$d_{req} = \frac{\text{span } (l_{eff})}{\text{basic } l/d \times d}$$

$$= \frac{5100}{26 \times 1.4}$$

$d_{req} = 140.10 mm$

$D = 140.10 + 15 + \frac{8}{2}$

$D = 159.1 mm$

$D \simeq 175 mm$

$d = 175 - 15 - \frac{8}{2}$

$d = 156 mm$

b) Effective span (l_e):-

l_{ex} is less of

i) clear span + d

$l_{ex} = 4800 + 156 = 4956 mm$

ii) c/c dist = 5100mm

$\therefore l_{ex} = 4956 mm$

l_{ey} is less of

i) $6000 + 156 = 6156 mm$

ii) c/c dist = 6300mm

$\therefore l_{ey} = 6156 mm$

3) Load Calculation:-

Self wt $= D \times 1 \times 1 \times 25$

$= 0.175 \times 1 \times 1 \times 25$

$= 4.375 kN/m^2$

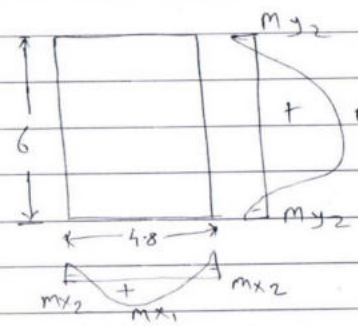
F.F = $1 kN/m^2$

L.L = $3.5 kN/m^2$

$W_u = 1.5 (4.375 + 1 + 3.5)$

$\boxed{W_u = 13.31 kN/m^2}$

4) Bending moment Calculation



$\frac{Ly}{Lx} = \frac{6156}{4956}$

$= 1.24$

$\simeq 1.2$

B.M Co-efficent	α_{x_1}	α_{x_2}	α_{y_1}	α_{y_2}
	0.032	0.043	0.024	0.032

B.M. Value				
m_u	10.46	14.05	7.84	10.46
($m_u = \alpha_u \cdot W_u l_x^2$)	kNm	kNm	kNm	kNm
($m_y = \alpha_y \cdot W_u l_x^2$)	(m_{u_1})	(m_{u_2})	(m_{y_1})	(m_{y_2})

5) Reinforcement Calculation :-

Reinf	m_u	$\frac{A_{st}}{\frac{0.5 f_{ck}}{f_y}\left[1-\sqrt{1-\frac{4.6 m_u}{f_{ck} b d^2}}\right] bd}$	$A_{st\,min} = \frac{0.12 \times 1000 \times 175}{100}$	check for $A_{st\,min}$
Bottom				
~~Bottom~~	10.46	190.63 mm^2	210 mm^2	Not ok 210 mm^2
~~Short~~	7.84	141.94 mm^2	210 mm^2	Not ok 210 mm^2
Top				
short	14.05	258.46 mm^2	210 mm^2	ok
long	10.46	190 mm^2	210 mm^2	Not ok 210 mm

Spacing for $A_{st\,min}$		3d	300	check for spacing
$\frac{1000 \times \pi/4 \times \phi^2}{A_{st}}$				
~~4.68~~ 239		468	300	ok
~~4.68~~ 239		468	300	ok
~~4.68~~ 194		468	300	ok
~~4.68~~ 239		468	300	ok

6) check for depth:-

$$\text{Maximum} = \text{mu lim}$$

$$14.05 \times 10^6 = 0.138 \times 20 \times 1000 \times d^2$$

$$d = 71.34 \text{ mm} < d_{prov} = 156 \text{ mm}$$

Hence ok

7) check for deflection

$$f_s = 0.58 f_y \times \frac{A_{st\,req}}{A_{st\,prov}} \times \frac{1}{g_{0.63}}$$

$$= 0.58 \times 415 \times \frac{210}{}$$

$$f_s = 218.49 \text{ N/mm}^2$$

$$P_t = \frac{100 A_{st}}{bd}$$

$$= \frac{100 \times 210}{1000 \times 156}$$

$$P_t = 0.13\%$$

for $f_s = 240 \text{ N/mm}^2$ & $P_t = 0.13\%$

$$\alpha = 2.0$$

$$d_{req} = \frac{\text{span}}{\text{basic } l/d \times \alpha}$$

$$= \frac{4800 + 300}{26 \times 2}$$

$$d_{req} = 98.07 \text{ mm} < d_{prov} = 156 \text{ mm}$$

Hence ok

8) check for shear:-

$$\beta = \frac{l_y}{l_x} = \frac{6156}{4956} = 1.24 \approx 1.2$$

$$S.F \text{ on long edge} = 1.2 \, w u l_x \left(\frac{\beta}{2\beta + 1}\right)$$

$$S.F \text{ on long edge} = 1.2 \times 13.31 \times 4.956 \left(\frac{1.2}{2 \times 1.2 + 1}\right)$$

$$S.F \text{ on long edge} = 27.99 \text{ kN}$$

$$S.F \text{ on short edge} = 1.2 \, w u \frac{l_x}{3}$$

$$= 1.2 \times 13.31 \times \frac{4.956}{3}$$

S.f on short edge = 26.38 kN

[∴ Maxi sf = 27.93 kN]

k = 1.25 — Table P.No 73

$P_t = \frac{100 A_{st}}{bd}$

$= \frac{100 \times 258.46}{1000 \times 156}$

$= 0.16\ \%$

for $P_t = 0.16\ \%$ & M_{20}

[$\tau_c = 0.29$] Table 19 P.No 73

Design shear = $k \cdot \tau_c \cdot bd$

$= 1.25 \times 0.29 \times 1000 \times 156$

$= 56.55$ kN

> maxim sf = 27.99 kN

Hence ok

9) Torsional reinforcement

Torsional steel = $\frac{3}{8}$ x Ast at short mid span

$= \frac{3}{8} \times 210$

$= 78.75\ mm^2$

Spacing of 6mm bar

$= \frac{1000 \times \pi/4 \times 6^2}{78.75}$

$= 359$ mm

Provide mesh of 6mm bar at a spacing of 359 mm c/c in both Direction

10) check for development length:-

$\frac{0.87 f}{4 \tau bd} < 1.3 \frac{M_1}{V} + L_0$

$\tau_{bd} = 1.2 \times 1.6$

$M_1 = M_{u1} = 10.46$ kNm

$V = 27.99$ kN

54

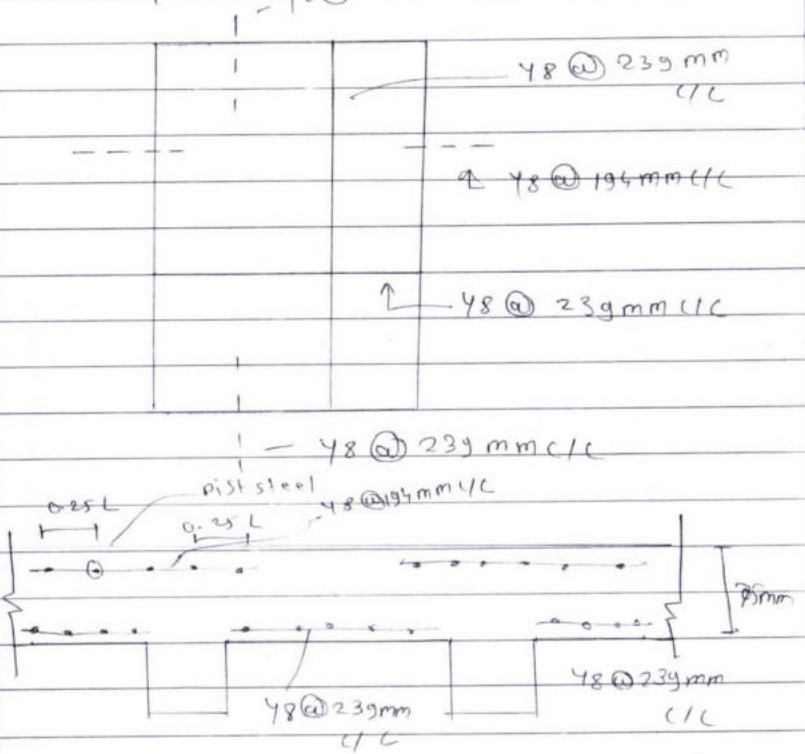
$L_0 = \frac{300}{2} - 15 = 135$ mm

$$\frac{0.87 \times 415 \times 8}{4 \times 1.2 \times 1.6} < \frac{1.3 \times 10.46 \times 10^6}{27.93 \times 103} + 135$$

376.09 mm < 621.86 mm

Hence ok

Reinf plan:-



Staircase

Problem:- Design a dog leg staircase of an office Building for given data

Size of stair wall = 2.5 × 4.7 m

Height between floor = 3.2 m

Super imposed load on stair = 5 kn/m2

~~Super~~ floor finish = 0.6 kn/m2

Assume the stair to the Suppor ted 230mm beam at outer edge of landing parllel to the riser use M20 & Fe415

⟹ Design Constant

fck = 20

fy = 415

$M_{u\,lim} = 0.138\, f_{ck} b d^2$

2> Proporting of staircase

Assume, T = 300mm

R = 160mm

No. of steps required = $\frac{\text{floor height}}{\text{riser}}$

$= \frac{3.2}{160}$

$= \frac{3200}{160}$

No steps required = 20 number

No steps in one flight $\frac{20}{2}$ = 10 nos

No. of trades = 10 - 1 = 9 numbers

Going = 9 x 300 No. of trades x T
= 2700 mm

width of landing = $\frac{4.7 - 2.7}{2}$ 1m

width of step = 12m (Assumed)

Gap between two flight = 100mm

3) Trial depth & effective span

a) d_{req} = $\frac{\text{Basic L/d} \times \alpha}{\text{Span}}$

$= \frac{4700}{20 \times 1.4}$

d_{req} = 167.85 mm

D = 167.85 + 20 + 12/2

= 193.85

$\boxed{D = 200 mm}$

d = 200 - 20 - 12/2

d = 174 mm

b) Effective span

l_e = 4700 mm

4) Load Calculation:-

1) Dead Load

a) Self wt = $D \times 1 \times 1 \times 25 \times \frac{\sqrt{T^2 + R^2}}{T}$

$= 0.2 \times 1 \times 1 \times 25 \times \frac{\sqrt{0.3^2 + 0.16^2}}{0.3}$

= 5.66 kN/m²

f.f = 0.6 kN/m²

wt of steps = $\frac{25R}{2} = \frac{25 \times 0.16}{2}$

= 2 kN/m²

7) check for depth

$M_u = M_{u,lim}$

$54.92 = 0.138 f_{ck} b d^2$

$54.92 = 0.138 \times 20 \times 1000 \times d^2$

$d = 14.06$ mm $< d_{prov}$

174 mm

8) check for deflection

$f_s = 0.58 \times f_y \times \frac{A_{st\,req}}{A_{st\,prov}}$

$f_s = 240$ N/mm^2

$p_t = \frac{100 A_{st}}{bd} = \frac{100 \times 991.99}{1000 \times 175}$

$= 0.57$ %

for $p_t = 0.57$ % & $f_s = 240$

$d_{req} = \frac{5700}{20 \times 1.2} = 195$ mm

Not ok revise depth

9) check for shear

$V = \frac{wud_e}{2} = \frac{19.89 \times 4.7}{2}$

$= 46.74$ kN

Design shear strength $= k \tau_c b d$

$k = 1.2$ $p_t = 0.57$ %

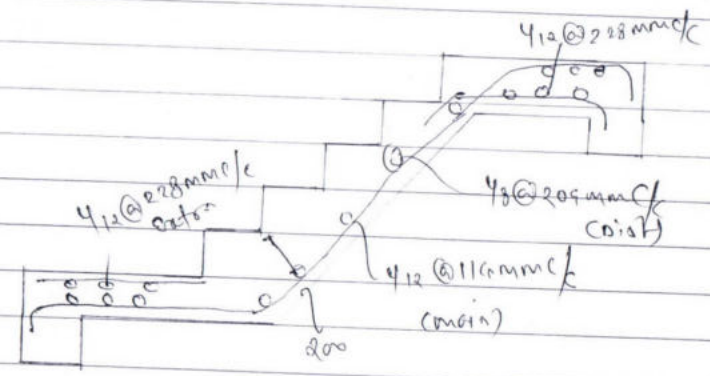
$\tau_c = 0.50$ N/mm2

Designed shear strength

$= 1.2 \times 0.5 \times 1000 \times 174$

$= 104.4$ kN > 46.74

ok



Y12 @ 228 mm c/c
Y12 @ 228 mm c/c
extra
Y8 @ 209 mm c/c
(Dist)
Y12 @ 116 mm c/c
(main)
200

// Shree Gajanan Maharaj Prasanna //

P. R. Pote (Patil) College of Engineering & Management, Amravati.

Academic Year 2017-18

B.E. III Year (V Semester)

Tutorial Attendance

Name of Program: B.E. Civil

Name of Co-ordinator: Prof. M. A. Rehman

Name of Course: - R.C.C - II

Name of Staff: Prof. S. V. Dhoke

HOD

H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

Staff In charge

P.R. Pote (Patil) Edn. & Welfare Trust's, College of Engg. & Management, Amravati

Department of Civil Engineering

Academic Year : 2017-18 Year/Sem : V th Sem Subject : RCC - II (Batch-I)

Name of Faculty : Prof. S. V. Dhote.

Roll No.	Students Name	Date	05/07	12/07	19/07	26/07	02/08	09/08	23/08	30/08	06/09	27/09	04/10													Total Attd.	Atted. Marks
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
301	KU ANKITA PRABHAKAR MOHOKAR		P	P	P	A	P	A	P	P	P	P	P														
302	KU ANURADHA ARUN SARKATE		P	P	P	A	P	P	P	A	P	P	A														
303	KU ASHWINI ONKAR SOLANKE		A	P	P	P	P	P	P	P	A	A	A														
304	KU HARSHAL MESHRAM		P	A	A	P	P	P	P	P	P	A	A														
305	KU ISHA BABASAHEB WANKHADE		P	P	P	P	A	A	P	A	P	P	A														
306	KU JAGRUTI SHRIKANT SHENDE		P	P	P	P	A	P	P	P	A	A	P														
307	KU KOMAL BABURAO KHOBRAGADE		A	P	P	P	P	P	P	P	P	A	P														
308	KU MINAKSHI SANJAY RATHOD		A	P	A	P	P	P	A	P	P	P	P														
309	KU MOKSHADA PRADEEPRAO LAWHALE		A	P	P	A	P	P	P	P	A	P	P														
310	KU NISHA VIJAYKUMAR PURSANI		A	P	P	P	P	P	A	P	A	P	P														
311	KU PALLAVI ANIL JAWARKAR		A	P	A	A	A	P	P	P	A	P	A														
312	KU RUPAL SHAMLAL SHRIWAS		A	P	P	A	P	A	A	A	P	P	A														
313	KU SAMRUDDHI LAXMAN PANDE		P	A	P	A	P	A	P	A	P	P	P														
314	KU SHIVANI GAJANAN HOLE		P	P	A	A	P	P	P	P	P	A	P														
315	KU SHIVANI JITENDRA SHARMA		P	A	P	A	P	P	P	P	P	P	P														
316	KU SHRADDHA DINKARRAO NAGE		P	A	P	P	P	P	P	P	P	P	P														
317	KU SHWETA SUBHASHCHANDRA MUKE		A	P	P	P	P	P	P	P	P	A	P														
318	KU SNEHA ASHOKRAO SUKHDEVE		A	A	P	P	A	A	P	A	A	P	A														
319	KU SURBHI GAJANAN SONTAKKE		P	P	P	P	P	A	A	A	P	P	A														
320	KU TEJAL SHRIKANT BHUSATE		A	P	P	P	A	P	A	P	A	P	P														
321	KU VAISHNAVI ANIL KALE		P	A	P	A	A	P	P	P	P	P	P														
322	KU VAISHNAVI RAVINDRA VIDHATE		A	P	A	P	A	P	P	P	A	P	P														
323	ABHIJIT BAND		A	P	P	P	P	P	P	P	A	P	P														
324	ABHINAV KHALOKAR		P	P	P	P	P	P	P	P	P	P	P														
325	AKASH BHAGWAN SABE		P	A	P	P	P	A	A	A	P	A	A														
326	AKSHAY BRAMHADEO INGLE		A	P	A	P	P	A	P	A	P	P	A														
327	ANIKET GAJANAN KAWADKAR		A	P	P	A	P	P	P	A	P	P	A														
328	ANKIT MAHESH FULMAMDI		P	P	P	P	A	P	P	P	P	P	P														
329	ASHISH GAJANAN GHATALE		A	A	P	P	A	P	A	P	P	P	P														
330	ASHISH UTTAM KAWARE		P	P	P	A	P	A	A	P	P	P	P														
331	CHANDRASHEKHAR K. WADIBHASME		P	P	P	P	P	A	P	P	P	P	P														
332	CHETAN PRAKASHRAD DAGWAR		A	P	A	P	A	P	P	A	P	A	A														
333	DIGVIJAY GAYAGOLE		A	A	A	P	A	P	P	A	P	P	A														
334	HARISH GIRATKAR		P	A	P	P	P	P	P	P	P	P	P														

P.R. Pote (Patil) Edn. & Welfare Trust's, College of Engg. & Management, Amravati

Department of Civil Engineering

Academic Year : 2017-18 Year/Sem : V th sem Subject : Rcc - II (Batch - II)

Name of Faculty : Prof. S. Y. Dhoke

Roll No.	Students Name	Date	06 07	13 07	20 07	27 07	03 08	10 08	24 08	31 08	07 09	14 09	28 09	05 10															Total Attd.	Atted. Marks
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
335	HARISH RAJENDRA BODKHE		P	P	P	A	A	P	A	A	P	P	P	A																
336	HARISH RAJESH MASKE		P	P	P	P	P	P	P	P	A	P	A	P																
337	HRISHIKESH GAJANAN RAUT		A	P	A	P	P	P	P	A	P	P	P	P																
338	JIVAN BABANRAO JIKATE		P	P	P	A	A	P	P	P	A	P	P	P																
339	JIVAN WARANKAR		P	P	P	P	A	P	P	A	P	P	A	P																
340	KALPESH DNYANESHVAR KALE		A	A	A	P	P	P	P	P	A	P	P	A																
341	KASIM BHIKKAN HANNURE		P	A	A	P	A	A	A	P	P	P	P	P																
342	KAUSHAL KAMALKISHOR SONI		P	P	P	P	A	P	P	A	P	P	P	P																
343	KISHAN DIVAKAR NILE		A	A	P	P	P	P	P	A	P	P	P	P																
344	KISHOR MOTIRAM MATKAR		P	P	P	A	P	P	A	P	P	P	P	P																
345	KSHITIJ BHASKAR DESHMUKH		P	P	A	P	P	P	P	P	P	P	P	P																
346	KUNAL R CHAVAN		A	P	P	P	P	P	P	A	P	P	P	A																
347	MANGESH PREMDAS RATHOD		P	P	P	P	P	P	P	A	P	P	P	P																
348	PANKAJ SAHADEV PAWAR		P	A	P	P	P	A	P	P	P	P	P	P																
349	PRANAL PRAMODRAO CHINCHOLKAR		P	A	P	P	P	P	A	A	P	P	P	A																
350	PRAVIN NAGARE		P	P	P	P	P	P	A	P	P	P	P	P																
351	PREETHAM JAGDISH BADDAMWAR		A	P	P	A	P	P	P	P	A	P	P	P																
352	RAJAT ANIL MUNGELWAR		P	P	P	P	P	P	P	P	P	P	P	P																
353	ROHAN BHATKAR		P	P	A	P	P	P	A	P	P	P	A	P																
354	ROSHAN MAHORE		P	P	P	P	A	A	P	P	P	A	A	P																
355	RUSHIKESH ANIL ATALKAR		A	A	P	P	P	P	A	P	P	P	A	P																
356	SAGAR JAGDISHRAO RAHATE		P	P	A	A	P	P	P	A	P	P	P	P																
357	SAGAR SHANKAR MAKODE		P	P	A	P	P	A	A	P	P	P	P	P																
358	SANKET SANJAYRAO MOHOD		P	P	P	A	P	P	P	A	P	P	P	P																
359	SAURABH PRAKASH KADU		A	P	A	P	P	P	P	P	A	A	P	A																
360	SAURABH SHRIKHANDE		P	A	P	P	P	P	P	P	P	P	P	A																
361	SHUBHAM ARUN RAUT		P	A	P	P	P	A	P	P	A	P	A	P																
362	SHUBHAM RAJENDRARAO LAD		P	P	P	P	P	P	P	P	P	A	A	P																
363	SUMIT MANKAR		A	P	P	P	P	P	A	P	P	P	P	P																
364	SURAJ NARENDRARAO DHANVIJ		P	P	P	A	P	A	P	A	P	P	P	P																
365	SURAJ PRAKASHRAO SHENDE		A	P	P	A	P	P	P	P	P	A	P	P																
366	SWAPNIL PRAMODRAO DIKE		A	P	P	P	P	P	A	P	P	P	P	P																
367	TEJAS MADAVI		A	P	P	P	P	P	P	P	P	P	P	P																
368	TUSHAR SANGAI		A	P	P	P	P	P	P	A	P	P	P	A																
369	VAIBHAV RAMESH TAYDE		A	A	A	P	P	A	A	P	P	P	A	P																
370	VAIBHAV SURESH DHANDGE		P	A	P	P	P	P	P	P	P	P	A	P																
371	VINAY DNYANESHWARRAO KALE		A	P	P	P	A	A	P	P	P	P	P	P																
372	VIVEK ARUNKUMAR SEGEKAR		A	P	P	P	P	P	A	P	P	P	P	A																
373	VIVEK GAJANAN GHATALE		P	P	A	P	A	P	P	P	P	P	P	A																

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"Shri Gajanan Maharaj Prasanna"

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions,
College of Engineering & Management, Amravati Institute Code : 1107
(Recognized by AICTE, New Delhi, Approved by Govt. of Maharastra & Affiliated to SGBAU, Amravati)

- Kathora Road, Amravati, Maharashtra, India
- Ph. No. : +91-721-2970110, Fax No. : +91-721-2530089, Email : prpotepatilcollege@gmail.com
- Web. : www.prpcem.org, www.prpatilcollege.org

Date: 20/07/2017

To,

Mr.Khushal Singh
Research Associates
AMZ Automotive.

Subject: Invitation as Expert Speaker on "Automobile & Vehicle Dynamics"

Dear Sir,

It gives us immense pleasure to inform you that we would be highly honored if you can spare some time from your busy schedule to deliver the session on 24/07/2017.

Your expertise and knowledge in the area would add a great value to the technical sense of one and all, especially for young students of the department who require the appropriate guidance to lead their department and Institution.

With your vast and in-depth knowledge in the area, we would request you to kindly accept our invitation.

We look forward your presence and guidance.

Thanking you

With best regards,

HoD
Mechanical Engg

H.O.D. (Mech. Dept.)
P.R. Pote (Patil) College of Engg. & Management
Amravati.

P.R.Pote (Patil) Edu. & Welf. Trusts Group of Institutions
College of Engineering & Management, Amravati.

Department of Mechanical Engineering

Attendance Sheet

Event Name: Workshop on "Automobile & Vehicle Dynamics.

Date: 24/07/2017 To 30/07/2017 *Year: Second*

Roll No.	Name of Students	Section	Signature
1	Aadesh Pravin Mhala	SM-I	
2	Abhishek Rutanjay Daterao		
3	Aabhishek Shyam Ingle		
4	Adesh Kishor Warbhe		
6	Ajinkya Sanjay Wankhede		
7	Akshay Naresh Ukhalkar		
8	Akshay P. Umbarkar		
10	Anup Pralhad Rangari		
11	Chaitanya Y. Mohod		
12	Dewalya H. Tadas		
13	Fuzail Habib Khan		
14	Gaurav Rajendra Wagh		
16	Hariom Ananda Fulari		
17	Ku Divya Dipak Dable		
19	Ku Gauri Vijay Gawande		
20	Ku Prajakta S. Ankurkar		
22	Ku Samruddhi R. Vidhate		
23	Ku Shivani Sanjayrao Bhise		
24	Ku Sonal Mohan Wankhade		
26	Mohd Wasique Mohd Adil		
27	Mohit Diwakar Dhok		
28	Nikhil Fakru Pahanpate		
29	Nishat Rana Abdul Saleem		
31	Prakash D. Gajbhiye		
32	Pranay Pramodrao Gadbail		
34	Rohit Ramesh Gongal		
35	Rupesh Vijay Sapkal		
36	Rushikesh N.Junghare		
37	Rushikesh R. Madankar		
38	Rushikesh Sanjayrao Toley		

39	Rutuj Pralhad Bule		
40	Sarang Sanjay Sune		
41	Sarvesh Sanjay Zore		
42	Saurabh Vilasrao Khandare		
44	Shivam Dattaraj Wankhade		
45	Shreyash Satish Malange		
46	Shubham R. Sambhe		
47	Shubham R. Bhurumbde		
49	Sudhanshu V. Uchitkar		
50	Suraj Dipak Parse		
51	Tanmay S.Badki		
52	Tanuj Vilasrao Chaoudhari		
53	Tejas Totaram Waghmare		
54	Tushar D. Wankhade		
55	Vaibhav D. Wankhade		
57	Yash Vilasrao Gudadhe		
58	Akash Ravindra Giri		
59	Aniket Naresh Batukale		
60	Aniruddha anand Charlu		
61	Ankush Nilesh Ganvir		
62	Deepak Kevendra Kawale	SM-I	
63	Ku.Rohini V. Bhamburkar		
64	Ku.Shivani sunil Tiwari		
65	Ku.Shruti Kishor Yelane		
66	Manoj Harichand Rathod		
67	Rajat Dipak Jagtap		
68	Rushikesh Devidas Gade		
69	Rushikesh J. Nimbhorkar		
70	Rushikesh Sanjay Gulhane		
71	Rutik Vinod Lokhande		
72	Sangam Rajan Vaidhya		
73	Sanket Keshorao Thote		
74	Santosh Prakash Patil		
75	Saransh C. Deshmukh		
76	Saundarya Govardhan Kale		
77	Shreyash A. Deshmukh		
78	Shridhar Janrao Chavan		
79	Shubham J. Padwalkar		
80	Sudarshan N. Satpute		
81	Suraj Govindrao Thorat		
82	Ulhaque Izhar U. Meraj		

Roll No.	Name of Students	Section	Signature
1	Akshay Subhashrao Gujar	SM-II	
4	Aniket Dnyaneshwar Gawande		
5	Aniket Rajendra Mohare		
7	Bhushan Sureshrao Umale		
8	Bhushan Wasudevrar Dudhe		
9	Dnyandeep Ashokrao Wanjari		
10	Dushyant Vinod Tupkar		
11	Ganesh Divakar Nerkar		
12	Jugal Ashokrao Barabde		
13	Kartik Dnyaneshwar Kalkar		
14	Kshitij Jivanrao Umarkar		
15	Ku Dnyaneshwari P. Bhakare		
16	Ku Kalyani Kisan Nalat		
17	Ku Payal Dharmaratan Ukey		
18	Ku Rina Pundalikrao Kale		
19	Ku Sakshi Kishorrao Alaspure		
20	Ku Samiksha Manoj Chaudhari		
21	Ku Samiksha S. Dugane		
22	Ku Shivani Raju Dhakade		
23	Kunal Hemantrao Wakode		
24	Mayur Haridas Dakhore		
25	Milind Suresh Pahurkar		
27	Mohit Vilasrao Dhore		
28	Nayan Sudhir Sonparate		
29	Nikhil Bhaskar Gayakawad		
30	Nilay Narendra Wankhade		
31	Nilesh Dnyaneshwar Malkhede		
32	Pavan Santosh Sabale		
33	Prajwal Nanaji Wankhade		
34	Prajwal Prakashrao Pohokar		
35	Prajwal Pundlik Balpande		
36	Prasanna Shivcharan Satange		
37	Prateek Ashok Aharwar		
38	Prathamesh P. Awaghad		
39	Pratik Dinkarrao Deshmukh		
40	Pratik Ganesh Thakare		
41	Pratik Manikrao Pote		
43	Sachin Suresh Yeul		
44	Sahil Anil Yengantiwar		
45	Saurabh Babarao Gawai		
47	Suraj Sanjay Mahure		
48	Swapnil Hanumant Patil		

49	Swapnil Laxman Tayde		
50	Swapnil Vinayak Phate		
51	Tushar Bhauravji Uike		
52	Uday Satish Nimkar		
54	Ved Vitthalrao Kulat		
55	Vikash Kumar		
57	Yash Vasant Bohara		
58	Prathmesh S. Tinkhede		
59	Shivam Kurmadas Kale		
60	Abhijeet Manoj Dhulekar		
61	Abhinav Vilas Nagmote		
62	Akshay Rameshwar Tathod		
63	Amey Vijay Pimplkar		
64	Ashutosh Vijay Uike		
65	Gaurav Bandukumar Dhawane	SM-II	
66	Mahesh Rajendra Nikam		
67	Mayur Diliprao Sarode		
68	Mayur Sanjay Gangane		
69	Mrunal Gajanan Kalmegh		
70	Pankaj ajabrao Pawar		
71	Parth Vilas Deshpande		
72	Pritesh Himmatrao Wankhade		
73	Saurabh Chindhu Dalal		
74	Saurabh Pramod Tarapure		
75	Sk.Rehan sk.Roshan		
76	Suraj Rajesh Nakhale		
77	Swapnil uttam Alaskar		
78	Utkarsh Sureshrao Yahul		
79	Vivek Punjaram Dhale		

Event Co-ordinator

H.O.D. (Mech. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati

HoD/AME

P.R.Pote (Patil) Edu. & Welf. Trusts Group of Institutions
College of Engineering & Management, Amravati.

Department of Mechanical Engineering

Attendance Sheet

Event Name: Workshop on "Automobile & Vehicle Dynamics

Date: 24/02/17 to 30/03/17 *Year: Third*

Roll No.	Name of Students	Section	Signature
1	Akash Diliprao Gawande	TM-I	
2	Akash Prakash Bangar		
3	Akshay Mahadeo Marodkar		
4	Aman Prakash Dange		
5	Amit Vinodrao Dharmale		
6	Aniket Ramesh Kale		
7	Anirudha Gajanan Yeole		
8	Ankush Ganeshrao Karodade		
9	Aditya Rajendra Gaikwad		
10	Anurag Mohanrao Wankhade		
11	Arbaj Chand Choudhary		
12	Arjun Bodakhe		
13	Bhushan Prakashrao Dakhare		
14	Chandrahasya V. Gite		
15	Diggaj U. Shende		
16	Dipesh Rajesh Parde		
17	Dipesh Sewakdas Gaikwad		
18	Harshad Dnyaneshwar Chahare		
19	Imran Israil Shaha		
20	Jeet Jeevan Singh		
21	Kaustubh J. Kalikar		
23	Krishna Arjun Gore		
24	Krishna Sharma		
25	Ku Kruti Ashok Karwade		
27	Ku Mrunal U. Atalkar		
28	Ku Namrata Laxman Deote		
29	Ku Pooja K. Dongare		
31	Ku Saloni Himmat Meshram		
32	Ku Shrutika Ganeshrao Datir		
35	Ku Vaishnavi Diliprao Shile		
36	Mayur Tanaji Ghatol		

Roll No.	Name of Students	Section	Signature
41	Pranav Vinod Kohale	TM-I	
42	Prasanna Madangopal Thadkar		
43	Prashant S. Nagarikar		
44	Prathamesh Shailendra Tipare		
45	Pratik Nandkumar Band		
46	Pratik Prakashrao Zade		
47	Pratik Pramodrao Satpute		
48	Pushkar Harinarayan Mirge		
49	Rajkumar D. Chormale		
50	Rohan Rathod		
51	Roshan Dilwar Tibute		
52	Umair Ahmed Zubair Husain		
53	Sandeep Krishnamurari Verma		
54	Sandesh Raghunath Wakode		
55	Sandesh Ramesh Mapari		
56	Sanket Madhukar Yewale		
57	Sanket Shamrao Tarpe		
58	Saurabh Mukund Rangari		
59	Shahebaz Munawwarkha Pathan		
60	Shaikh Salman S. Mehboob		
61	Shreyas Jagdevrao Ingle		
62	Shubham Harish Thakur		
63	Shubham Ramkrishna Gite		
64	Shubham Sudam Chavhan		
65	Sahil Shah		
66	Sohal Mohan Sawarkar		
67	Suraj Ganesh Khanderao		
68	Swapnil A. Patil		
69	Vijay Hiralal Sirsam		
70	Vikram Mahendra Palekar		
71	Vishwas Lakhama Kuvar		
72	Vivek A. Ade		
73	Yash Pradipchand Sancheti		
74	Ku. Dipika Arunrao Ghayar		
75	Ku. Komal Hemantkumar Kamble		
76	Shubham Ramesh Thakre		
77	Mayur P Thakre		
78	Yash Mawale		
79	Tushar Vilasrao Harne		

Roll No.	Name of Students	Section	Signature
1	Abhijeet M. Ahir	TM-II	
3	Abhijeet Shegokar		
4	Aditya M. Joshi		
5	Ketan S. Parteti		
6	Akshay G. Pachade		
7	Anshul N. Ghawat		
8	Bhagyesh A. Charpe		
9	Chetan N. Makode		
10	Devendra R. Satpute		
11	Dhiraj Thakor		
13	Harshal C. Kathe		
14	Himalaya V. Labade		
15	Kiran S. Marwade		
16	Ku. Diksha Wankhade		
17	Ku Ashwini S. Domble		
18	Ku Komal A. Gadhe		
19	Ku Payoshni R. Wadode		
20	Ku Rani M. Gupta		
21	Ku Dimple Kapade		
22	Ku Sayali S. Ambhore		
23	Ku. Kanchan S. Deshmukh		
24	Ku. Prapti S. Adsule		
25	Ku. Priya K. Gobade		
26	Ku. Shraddha A. Sherekar		
27	Kunal P. Nichit		
28	Lakhan G. Dhoke		
29	Mahendra V. Chandole		
30	Md Adnan Ashhar Md Afsar		
31	Nayan G. Dakhole		
32	Nehal S. Wagh		
33	Nikhil S. Chavhan		
34	Omprakash A. Fule		
35	Harshad Madavi		
36	Parikshit G. Holey		
37	Parvez Md. Zulfiquar Waquar		
38	Pavan S. Mhaisane		
39	Pradyunm A. Shelke		
42	Prathamesh V. Tawalare		
43	Pratik D. Tayade		

Roll No.	Name of Students	Section	Signature
45	Rameshwar R. Amlekar	TM-II	
46	Rishab D. Dhande		
47	Ritesh S. Diwane		
48	Rushikesh C. Patil		
49	Rushiksesk Deshmukh		
50	Sachin P. Bhadupota		
51	Sagar S. Patond		
52	Saksham S. Jomde		
53	Sayyed Zubair Sayyed Qayyum		
54	Shivam J. Bijode		
55	Shubham N. More		
56	Shubham P. Dawale		
57	Shubham P. Ghate		
58	Sk Md. Shakeebur Rahman Ab Rafeeque		
59	Somesh P. Fandat		
60	Sumit Dileep Ande		
61	Shubham Rathod		
62	Suraj R. Kuttarmare		
63	Suraj V. Rathod		
64	Udit R. Varma		
65	Vaibhav D. Pophale		
66	Vaibhav R. Padishalwar		
67	Vaibhav Gote		
68	Vijay S. Ghonge		
69	Vinit S. Wasekar		
70	Vivek B. Raut		
71	Yogesh P. Bodade		
72	Ku. Mayuri Gawai		
73	Shubham Kaware		
74	Nishant Kathe		
75	Amey Banarase		
76	Pranay Kadu		
77	Himanshu Lunge		
78	Shubham Kamble		
79	Shubham Kadu		

H.O.D (Mech. Dept.)
P.R. Pote (Patil) College of Engg. & Management
Amravati.

Event Co-ordinator

HoD/ME

P.R.Pote College of Engineering & Management Amravati

Title /Theme: Guest lecture on 'Automobile & Vehicle Dynamics (AVD)'

Date: 24-07-2017

Report

The department has conducted Guest lecture on 'Automobile & Vehicle Dynamics (AVD)' **at P. R. Pote (Patil) College of Engineering & Management, Amravati** on **July 24 – 30, 2017.** Over 200 Students from various Colleges in Amravati region, It will helps the students for converting their theoretical ideas into practical for upcoming Automotive Competitions like SAESUPRA, SAEBAJA, RCDC & Go- Kart.

The **Guest of the training program Mr. Khushal Singh, (Research Associates of AMZ Automotive),** who provide grass root training to students on vehicle dynamics.



H.O.D. (Mech. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

Program Coordinator

HOD

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engineering. & Management, Amravati

Department of First Year Engineering

E-Learning Resources for Teaching and Learning

Session:-2017-18

Semester	Department	Name of Subject	NPTEL Video Lecture link
[illegible]n-I,Sem-II	First year	M-I	https://youtu.be/vFj4DNRsF9Q
			https://youtu.be/gFjlBKW8aZU
Sem-I,Sem-II	First year	M-II	https://youtu.be/xBYboiUP1ZI
			https://youtu.be/HOXWRNuH3BE
Sem-I,Sem-II	First year	EM	https://youtu.be/nGfVTNfNwnk
			https://youtu.be/Fudcc0JoXdo
Sem-I,Sem-II	First year	PHY	https://onlinecourses.nptel.ac.in/noc20_cy17/unit?unit=18&lesson=19
			https://onlinecourses.nptel.ac.in/noc20_cy17/unit?unit=18&lesson=20
Sem-I,Sem-II	First year	CHE	https://youtu.be/cx5gPKp9QEc
			https://youtube.com/playlist?list=PL8lylDWRkaW8BXestE4baRnN0699S11Lq
[illegible]-I,Sem-II	First year	ED	https://youtu.be/2C8H2rIwhrA
			https://youtu.be/xzi_R8lims0
Sem-I,Sem-II	First year	CP	https://youtu.be/XTiIiI-LOY8
			https://youtu.be/kb0MG6oUCTw
Sem-I,Sem-II	First year	EE	https://youtu.be/imu4l3cAvtU
			https://youtu.be/3TR_DS_7z2w

HOD of First Year

H.O.D.
Dept. of First Year Engineering
P.R. Pote (Patil) Edu. & Welfare Trust's
Group of Institutions, AMRAVATI

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions
College of Engg. & Management, Amravati
Department of Mechanical Engineering

2017-18

subject: Automation Engineering

Assignment Questions:

Q1. Explain CIM Wheel in Detail. 8 Marks

Q2.Explain Shop Floor Control of CIM. 7 Marks

Q3. Explain working of machine vision system with neat Sketch. 8 Marks

Q 4. Explain Construction & Working of CMM. 7 Marks

Assignment No. 5

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Q 1. Explain CIM Wheel in detail.

→

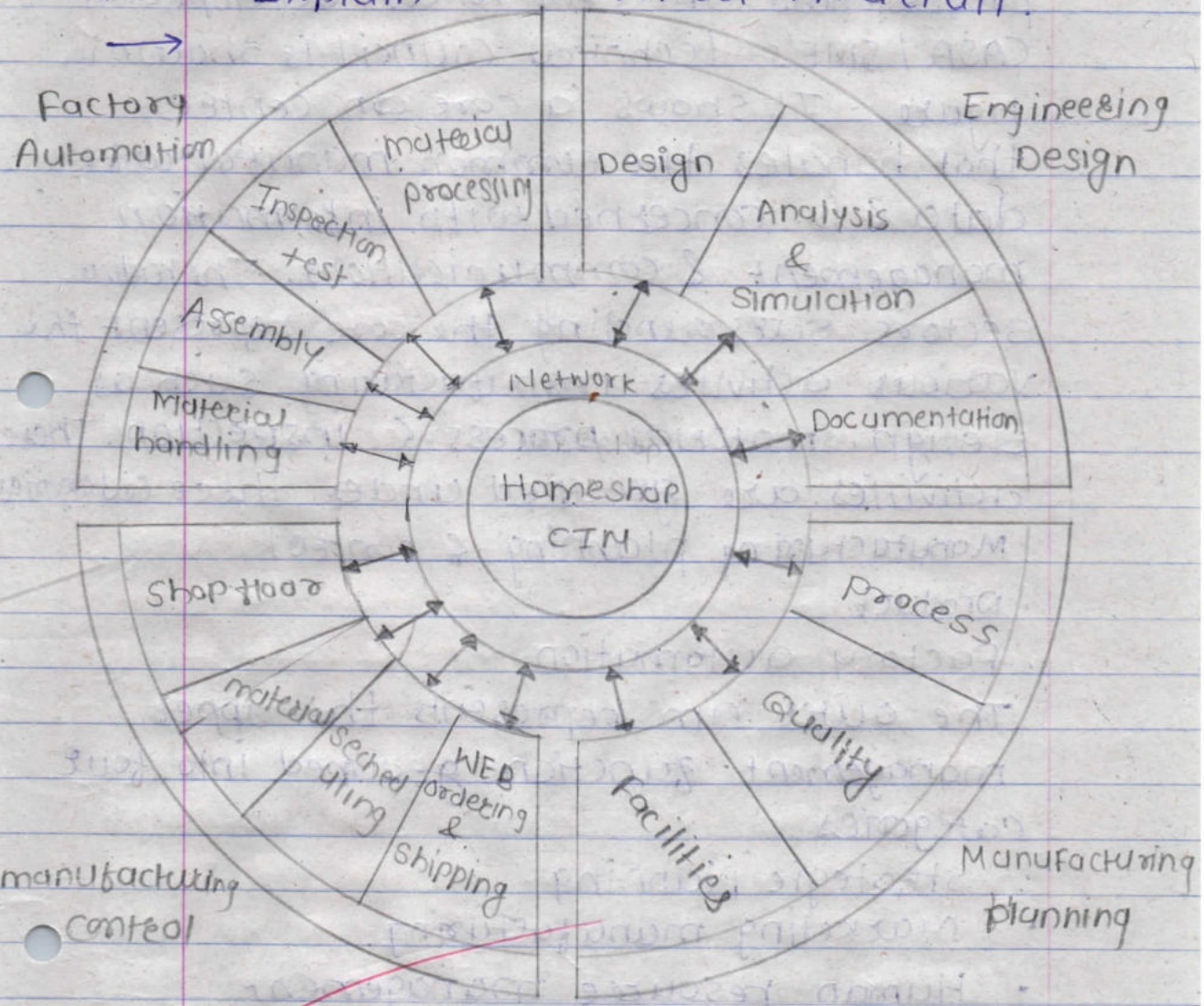

fig :- CIM Wheel.

CIM Wheel provides a clear representation of relationships among all parts of an enterprise. CASA/SME has suggested a framework, the CIM wheel to explain the meaning of CIM, formed by SME CASA is an interest group of manufactur

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professionals. The CIM Wheel, developed by CASA / SME's technical council is shown in figure. It shows a core on centre that handles the common manufacturing data & is concerned with information management & communications. The radial sectors surrounding the core represent the various activites manufacturing such as design, material process & inspection. These activities are grouped under three categories

- Manufacturing planning & control
- product
- Factory automation

The outer rim represents the upper management function grouped into four categories

- Steategic planning
- Marketing manufacturing
- Human resource management
- Finance.

The outer rim was added to emphasize the need for including both mangement & technology functions within the scope of CIM. As the wheel shows, CIM is broad enough to encompass all aspects of the manufacting enterprise

& its management, including those of personnel & finance.

1. Manufacturing planning & control :-
In CIM, this requires activities like NC programming, simulation & computer aided scheduling of the production activity. This should include online dynamic scheduling & control based on the real time performance of the equipment & processes to assure continuous production activity. The need to meet fluctuating market demand requires the manufacturing system flexible (agile)
Planning :- The planning department takes the database established by the design department & enriches it with production data & information to produce a plan for the production of the product.
planning involve several subsystems dealing with materials, facility, process, tools, manpower, capacity scheduling, outsourcing, assembly, inspection, logistics etc. In a CIM system, this planning process should be constrained by the production costs & by the production equipment

& process capability in order to generate an optimized plan.

2) product :- The design department of the company establishes the initial database for production of a proposed product. In a CIM system this is accomplished through activities such as geometric modeling & computer aided design while considering the product requirements & concepts generated by the creativity of the design engineer. configuration mangement is an important activity in many design. complex design are usually carried out by several teams working simultanously, located often in different parts of the world.

3) Factory automation :- Factory automation further enriches the database with equipment the & process data, resident either in the operater or the equipment to carry out the production process In CIM system this consists of computer controlled process machinary such as CNC, M/c tool, FMS, computer control

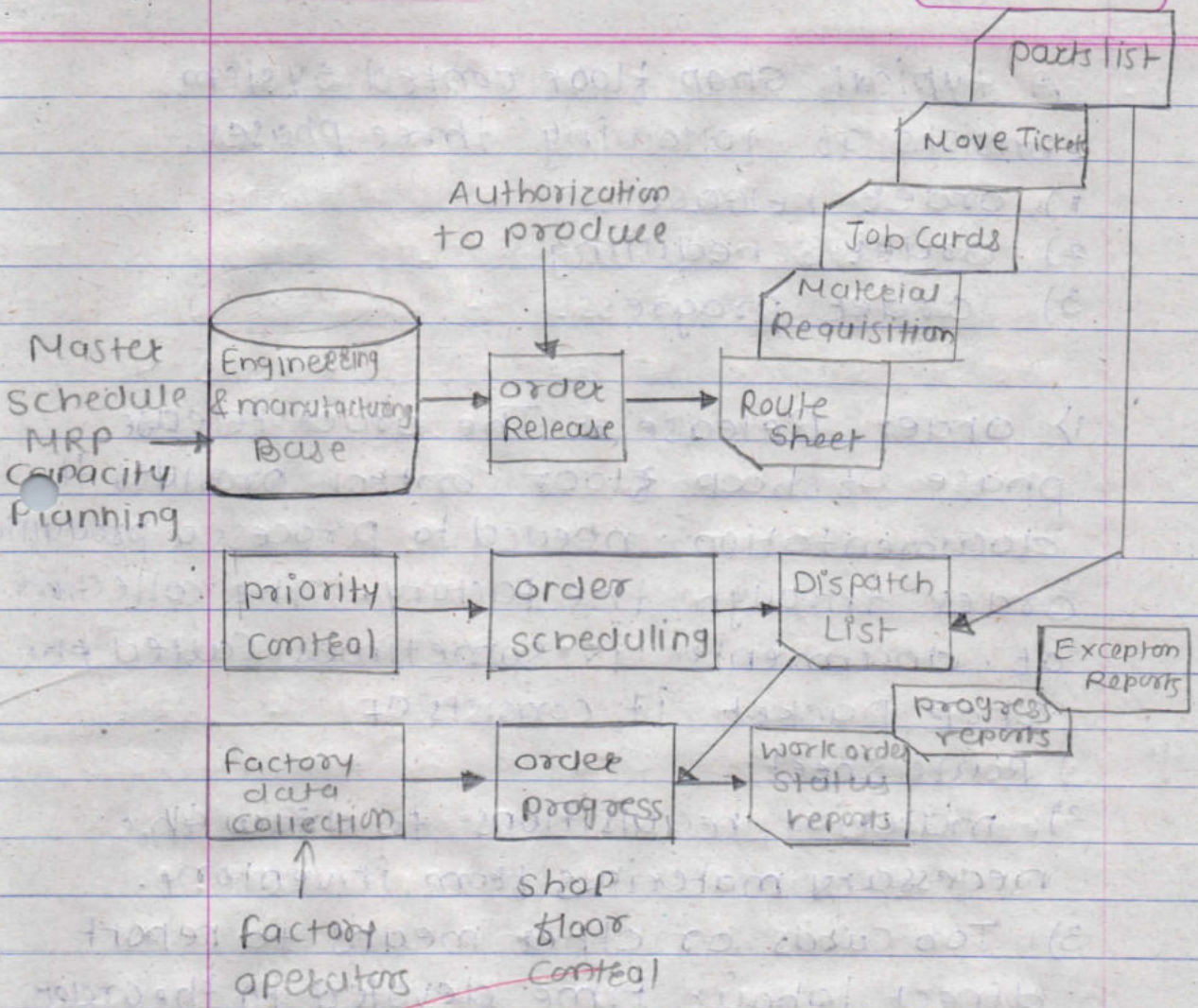

fig :- three phases of shop floor control.

collection of production plans. These can be in the form of master schedule, manufacturing capacity planning & ERP data. The factory production operation are the processes to be controlled. A typical shop floor control system consists of three phases.

A typical shop floor control system consists of following three phases.

1) order release
2) order scheduling
3) order progress.

1) order Release :- The order release phase of shoop floor control provides the documentation needed to process a production order through the factory. The collection of documents is sometimes called the shop packet it consists of

1) Route sheet
2) material requisitions to draw the necessary materials from inventory.
3) Job cards or other means to report direct labour time devoted to the order, also used to indicate progress of the order through the factory.
4) Move tickets to authorize the material handling personnel to transport parts between work centers in the factory if this type of authorization is requested
5) Part list, if required for assembly jobs.

robots, material handling system, & so on.

Marketing :- The need of product is identified by the marketing division. The specifications of the product also decided by the marketing department. Marketing also works out the manufacturing costs to assess the economic viability of the product.

Human resource Mangement :-

CIM Human resource mangement one of the crucial tasks in CIM. This involves master production scheduling database mangement, communication, manufacturing system integration CIM technology together all the manufacturing & related functions in a company. Thus, implementation of CIM technology basically involves integration of all the activities of the enterprise.

Finance :- Finance deals with the resources pertaining to money. planning

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of investment, working capital & cash flow control, realization of receipts, accounting & allocation of funds are the major tasks of the finace departments.

Q 2. Explain shop floor control of CIM.

→

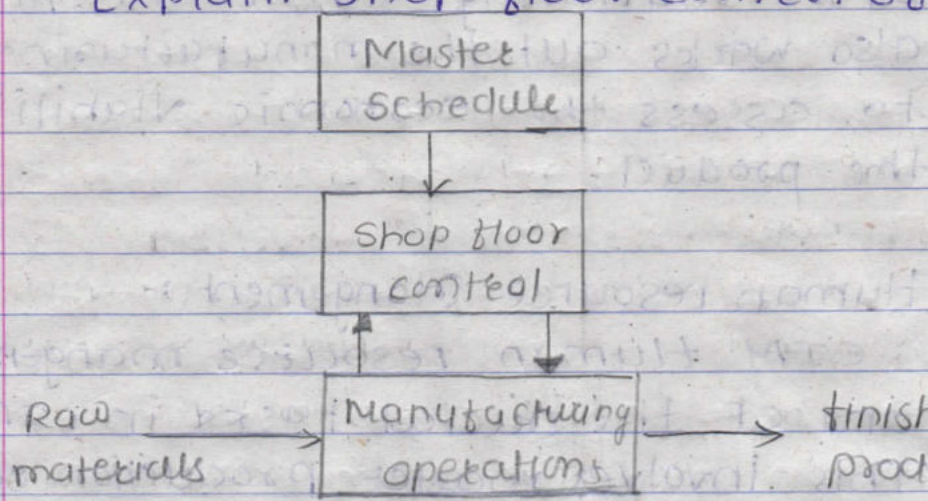

fig :- factory information system

Shop floor controls deals with managing the work-in-progress. This consists of the release of production orders to the factory, controlling the progress of the orders through the various work stations & getting the current information of the status of the orders.

This can be shown in the form of a factory information system. The input in the shop floor control system is the

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2) order Scheduling :- The order scheduling module assigns the production orders to the various work centers in the plant. The order scheduling modules prepare a dispatch list that indicates which production orders should be accomplished at the various work centers. It also provides informations about relative priorities of the different job. The order scheduling module shop floor control is intended to solve two problems in production control.

1. The mlc loading problem
2. The job sequencing problem

Allocating the orders to the work centers is referred to as mlc loading whereas the job sequencing involve determining the order in which the jobs will be processed through a given work center. To determine this sequence priorities are established among the job in the queue. Some rules are used to establish priorities for production order in the plant include

Earliest due date :- Orders with earlier

due dates are given higher priorities
2). shortest processing time :- order with shorter processing time are given higher priorities.
3) least slack time :- orders with the least slack in their schedule are given higher priorities. slack time defined as the diff betn the time remaining until the date & the process time remaining
4) critical ratio :- orders with the lowest
4) critical ratio are given higher priorities. critical ratio defined as the ratio of the time remaining until due date divided by the process time remaining.

5) order progress :- The fun of the order progress module is to provide information that is useful in manging the factory based on data collected from the factory. The information which is presented to production management is summarized in the form of following reports
1) work order status reports :-
These reports indicates the status of the

production order. Typical information listed in the report includes the current work center where each order is located, processing hours remaining before completion of each other whether the job is on-time.

2) Progress Reports :- A progress report is used to report performance of the shop during a certain time period. It provide information on how many orders were completed during the period, how many orders that should have been completed during the period were not completed.

3) Exception Reports :- An exception report indicates the devications from the producti schedule & similar exception information These reports are useful to production mangement in making decision about allocation of resources, authorization of overtime hours & other capacity issues & in identifying problem areas in the plant.

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Q3. Explain working of machine vision system with neat sketch.

→ Image acquisition & digitization | Image processing & analysis | Interpretation

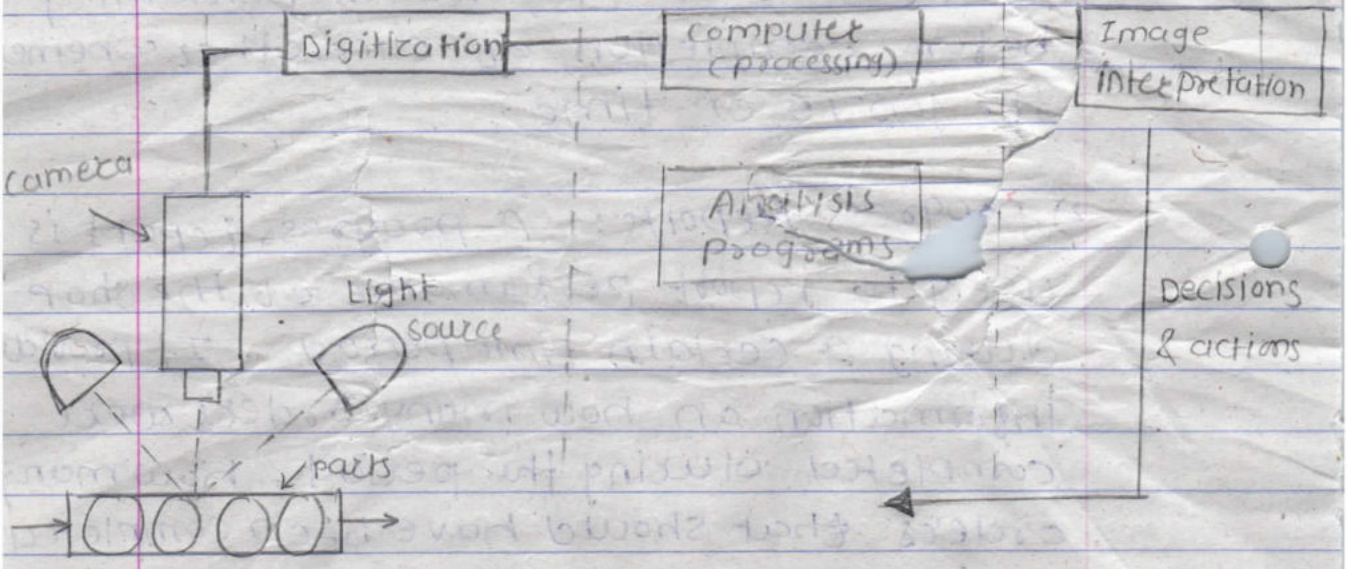

fig :- Machine vision

Machine vision can be defined as the acquisition of image data, followed by the processing & interpretation of this data by computer for some useful application. It consists of an Image acquisition & Digitization, Image processing & analysis Interpretation

Image Acquisition & Digitization :-
Image acquisition & digitization is accomplished using video camera & a digitization system is to store the image

data for subsequent analysis. The camera is focused on the subject of interest & an image is obtained by dividing the viewing areas into a matrix of discrete picture elements in which each element has a value that is proportional to the light intensity of that portion of the scene. The intensity value of each pixel is converted into its equivalent digital value by an analog-to-digital converter each set of pixel values is referred to as a frame. Each frame, consisting of the set of digitized pixel values is stored in a computer memory device called a frame buffer.

Image processing & analysis

The number of technique have been developed for analyzing the image data in a mlc vision system one category of technique in image processing & analysis is called segmentation. segmentation techniques are intended to define & separate regions of interest within the image.

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Interpretation :- The interpretation fun is usually concerned with recognizing the object, a task termed object recognition. Two commonly used interpretation techniques are template matching & feature weighting.

Template matching is the name given to various methods that attempt to compare one or more features of an image with the corresponding features of a model in computer memory.

The most basic template matching technique is one in which the image is compared pixel by pixel, with a corresponding computer model. within certain statistical tolerances, the computer determines whether or not the image matches the template.

Feature weighting is a technique in which several features are combined into a single measure by assigning a weight to each future according to its relative importance in identifying the object.

Q4. Explain consteuction & working of CMM.

→

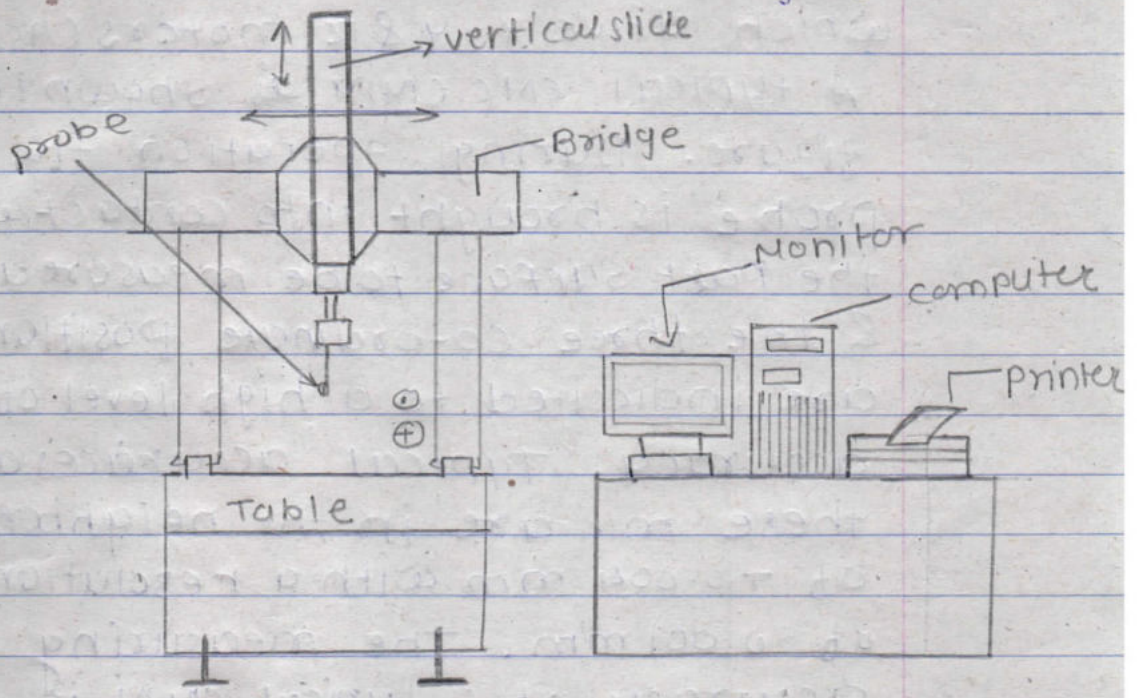

Fig 8- CNC CMM

The coordinate measuring machine (CMM) is the most important example of the equipment used for contact inspection of parts. When used for CIM these mlc are Controlled by CNC. A typical three-dimensional measuring mlc consists of a table, which holds the part in a fixed, position & movable head which holds a sensing, probe. The probe can be moved in three directions corresponding to the X, Y, & Z coordinates. for manual operation, the control unit is provided

with joysticks or other devices which drive X, Y & Z motors (AC/DC) A typical CNC CMM is shown in figure. During operation the probe is brought into contact with the part surface to be measured & the three co-ordinate positions are indicated to a high level of accuracy. Typical accuracies of these m/c are in the neighborhood of ±0.004 mm with a resolution of 0.001 mm. The measuring accuracy of a typical CMM is quoted 2.6 + L/300 micrometers L is the measured length in mm.

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

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Session 2017-18

6.2 Strategy Development and Deployment (Cont...)

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6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution

Examination and Evaluation:

- Evaluation of marks which consists of Internal marks through continuous assessment (Test exam + Viva-voce + Assignment) and external marks scored in End Semester Examination.
- Automation of the examination cell to ensure timely declaration of results to keep the academic calendar on schedule.

Research and Development:

- The Institute is planning to established separate research centre in Electrical and Mechanical Engineering Departments as per approval by SGBAU University
- Incentives for research publications and research projects are provided
- To promote R & D activities, progress review is conducted for faculty members having Ph.D degree and research scholars.
- Funded projects are invited to justify the research in departments.

Library, ICT and Physical Infrastructure/Instrumentation:

- Every year Central library is added with required books, E-Journals and Magazines.
- The Institute is promoting Smart class Room concept in each department.
- Books exhibition is arranged every year thro' vendors at campus to identify thequality books
- Every department has individual air-conditioned seminar hall with LCD projector
- Smart TV and computer system with internet connection

Human Resource Management:

- Recruitment of faculty and staff are based on the guidelines provided by SGBAU
- University and AICTE, New Delhi.
- There are many staff welfare schemes namely EPF, Group insurance and Accidentalpolicy
- Sponsorship of Higher Studies for Faculties
- Organizing Developmental training programme and workshops/seminars for enhancing the multi-skills of faculties.
- Effective appraisal system has been followed to assess the performance of faculties. Faculty members are promoted to higher positions based on their experience, skills and achievements.

Industry Interaction / Collaboration:

- Consultancy to be encouraged in the Labs. Several testing facility in the labs be created and promoted for revenue generation.
- Documentation to be prepared properly as per NBA requirement which includes Impact analysis and POs attainment and prepare documentation.
- Identify equipments in the labs which can contribute towards R&D and shall be procured.
- MOUs on focused areas only. It is to be done in order to increase IIIC activities in the department
- Encourage more workshops to be conducted in the department.
- Experts from Industry shall be invited for Guest Lectures in the department.

P.R.POTE (PATIL) COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI.

FIRST YEAR ENGINEERING DEPARTMENT

Examination and Evaluation Process

The assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is done

(Examples of data collection processes may include, but are not limited to, specific exam questions, laboratory tests, internally developed assessment exams, oral exams assignments, presentations, etc.)

Assessment Method	Components	Assessment tools	Frequency
Direct method (80%)	End Semester Exam (ESE) (80%)	SGBAU Theory Exam	01
		SGBAU Practical/Oral Exam	01
	Continuous Internal Evaluation (CIE) (20%)	Unit Test	02
		Assignments	01
Indirect method (20%) (for indirect PO attainment calculations)		Program exit survey	01
		Parents and students feedback at the end of semester	

Fig. Assessment tools & processes used to gather data for evaluation of COs

Internal Tests/Exams:

After commencement of the course, the Department will conduct two internal tests, scheduled in accordance with the Institute and Department calendar of events. Care will be taken such that the teaching of at least 2 to 2.5 units would be completed before each test. The entire exam schedule will be monitored by a Unit test (UT) Coordinator.

Scheme for Assessment Tools and COs distribution

Sr. No.	Internal Assessment Tools (Theory)	Units	Internal Marks Distribution (20)
1	Unit Test-1	2	Equal weightage for all internal assessment tools i.e.6.66 to each
2	Unit Test-2	2	
3	Assignments (One)	2	

Unit Test Question wise Mark Distribution

SN	Internal Assessment Tools (Theory)	Units	Q1.A	Q1.B	Q2.A	Q2.B	Q3.A	Q3.B	Q4.A	Q4.B
1	UT Marks distribution (30) per UT	2 per UT	7	8	7	8	7	8	7	8
2	Assignment Mark Distribution (30)	2	7	8	7	8	7	8	7	8
		Unit Test-1: Q1. (CO1) **OR** Q2. (CO1) & Q3. (CO2) **OR** Q4 (CO2) **Unit Test-2:** Q1. (CO3) **OR** Q2. (CO3) & Q3. (CO4) **OR** Q4 (CO4) **Assignment-1:** Q1. (CO5) **OR** Q2. (CO5) & Q3. (CO6) **OR** Q4 (CO6) **Note:** CO- Course Outcome based on Unit								

Marks Distribution Table

SN	Unit Test & Assignment marks (Theory) (30) Range of Marks obtained by the Students	Actual Internal Marks Distribution (20)
1	Marks between 28 to 30	20
2	Marks between 25 to 27	19
3	Marks between 22 to 24	18
4	Marks between 19 to 21	17
5	Marks between 16 to 18	16
6	Marks between 13 to 15	15
7	Marks between 12 to 14	14
8	Below 12 (Passing Marks are 12)	**Retest** **Corrective and Preventive Action (CAPA)**

- The Course owner will prepare the Question paper based on Revised Bloom's Taxonomy for the respective course and will be submitted foe review and approval before DAC committee well in advance.
- The approved Question Paper along with scheme of evaluation will be submitted to the UT coordinator well in advance in a scheduled time as per exam timetable.
- The course owner will evaluate Answer Book as per given scheme and submit model answer to the Academic Coordinator.
- The student obtaining less than 40% of the maximum marks or below 12 in test examination will appear additional or improvement test (Retest) as scheduled by the Course owner.
- One Assignment based on remaining two units to be submitted by the students.

H.O.D of First Year

H.O.D.
Dept. of First Year Engineering
P.R. Pote (Patil) Edu. & Welfare Trust's
Group of Institutions, AMRAVATI

P.R. Pote(Patil) Education & Welfare Trust's Group of Institutions
College of Engg. & Management ;Amravati.

List of PhD Holder Faculty(2017-18)

Sr. No.	Name of Faculty	Topic of PhD	Department	Year of PhD awarded
1	Dr. N. R. Thakare	Study and characterization of high temperature phase of lithium sulphate	Applied Science and Humanities	2014
2	Dr. A. D. Bhoyar	Synthesis of Heterocyclic compounds and their impact on induced hepatotoxicity in albino rats	Applied Science and Humanities	2008
3	Dr. S. A. Khapre	Integral transform	Applied Science and Humanities	2017
4	Dr. S. A. Patil	Spectroscopic Techniques of Cancer Diagnosis	Applied Science and Humanities	2016
5	Dr.C.A.Dhawale	Study and Development of Data Abstraction Algorithms for Video Database	Computer Science	2009
6	Dr. S. B. Warkad	Assessment of Electricity Reforms and Transmission Pricing	Electrical Engineering	2011

Principal

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati

Following innovative idea has been selected for academic year 2017-18

Sr. No.	Name of Idea	Department	Mentor	Students
1	Wi-Fi Plug	EXTC	Mr. B. R. Mankar	➢ Bhavika Bhise ➢ Renuka Ronghe ➢ Bharati Koltake ➢ Pooja Pathre ➢ Vrushali Kumbhare ➢ Vaishanavi Changole
2	Photo Voltaic (PV) fed three phase induction motor drive for rural pumping	ELPO	Mr. D. A. Shahakar	➢ Praful Dharme ➢ Sankalp Chavan ➢ Om Ingole ➢ Sanket Rokade
3	Mail Box System for physically challenged individuals	CSE	Mr. F. M. Shelke	➢ Shamali Paradakhe ➢ Mohmd Zubair ➢ Rahi Dafhane
4	Lemonade Machine	Mech.	Mr. S. P. Yeole	➢ Yogesh Wazurkar ➢ Sushrut Asare ➢ Gopal Mohalkar ➢ Shubham Ikhar ➢ Shrikant Fulpagare
5	Thirsty Concrete	Civil	Mr. Suhas Pawar	➢ Kavish Shahu ➢ Kunal Samrit ➢ Mohan Dharukar ➢ Shubham Bujade

Advisory Board here by approved above five project and directed to released sanction amount to each project (1,00,000 /- including mentor remuneration)

Herewith signed and approved by advisory Board

P. R. Pote Patil Edu. & Welf. Trust's Group of Inst. I.E.D.C. AMRAVATI

Signature

Name Pravin Bankar

Designation Asstt. Divisional Manager, MITCON

Address MITCON Consultancy & Eng. Services Ltd. Amravati.

Signature

Name S. V. Pattalwar

Designation Associate Professor

Address Prof. Ram Meghe Inst. of Tech. & Research, Badnera

Signature

Name P. R. Wadnerkar

Designation Asso. Prof.

Address P. R. Pote (Patil) C.O.E. & M Amravati

Signature

Name R. V. Rajathar

Designation A. P. in Electronics

Address G. C. O. E. Chandrapur

Signature

Name Dr. Mohammad Atique

Designation Associate Professor

Address S.G.B. Amravati University, Amravati

Signature

Name Sujeet Banerjee

Designation Scientist F

Address DST, Delhi

Signature

Name Anil Karwa

Designation A.V.P. MITCON

Address Amravati

Signature

Name P. P. BEDEKAR

Designation Associate Professor (Electrical Engineering)

Address Govt. College of Engineering Amravati

Co-ordinator
I.E.D.C.
P. R. Pote Patil Edu. & Welf.
Trust's Group of Inst., College
of Engg. & Mgmt., Amravati.

Project Head
I.E.D.C.
P. R. Pote Patil Edu. & Welf.
Trust's Group of Inst., College
of Engg. & Mgmt., Amravati.

P. R. Pote Patil Edu. & Welf. Trust's Group of Inst., College of Engg. & Mgmt. * AMRAVATI * I.E.D.C.

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A

PROJECT REPORT

ON

"Design and Fabrication of Fully Automated Lemonade Machine"

Submitted for the fulfillment for the degree of engineering

(MECHANICAL ENGINEERING)

Submitted by

Yogesh P. Wazurkar
Gopal S. Mohalkar
Shrikant R. Fulpagar
Sushrut A. Asare
Shubham S. Ikhar
Aamir Bohra

Under the Guidance of

Prof. S. P. Yeole

DEPARTMENT OF MECHANICAL ENGINEERING

P.R. Pote (Patil) College of Engineering & Management,

Amravati.

Sant Gadge Baba Amravati University, Amravati.

2017-18.

H.O.D. (Mech. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

Key Indicator -4.2 Library as a Learning Resource (20)					
4.2.2 The institution has subscription for the following E-resources (6)					
4.2.3 Average annual expenditure for purpose of books / e-books and subscription to journal e journal during the last five years					
Year2017-2018					
Library resources	**If yes details of membership /subscriptions**	**Expenditure subscription to e-journals ,e-books(INR in lakhs)**	**Expenditure subscription to other e-resources (INR in lakhs)**	**Total Library Expenditure**	**Link to the relevant document**
Books		**10172 (01)**		**10172**	
Journals		**164000 (54)**		**164000**	
e-Journals		**141600 (01 J-GATE)**		**141600**	
e-books					
e-Shodh Sindhu					
Shodhganga					
Databases					
Local and/or Remote access to e-resources					

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P.R. Pote Patil
College of Engg. & Mgnt
Amravati.

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P.R. POTE (PATIL) COLLEGE OF ENGG.& MANAGEMENT

AMRAVATI

JOURNALS 2017-2018

COMPUTER SCIENCE

1. JOURNAL OF INDIAN COMPUTER SCIENCE
2. INDIAN JNL OF COMPUTING AND HIGH SPEED NETWORKS
3. INDNA JNL OF COMPUTER & DIGITAL TECHNIQUES
4. INDIAN JNL OF INFORMATION SCI. AND COMPUTER APPLICATION
5. INDIAN JNL OF INFORMATION & COMPUTER SCIENCE TECHNOLGOY
6. INDIAN JOURNAL OF MOERN COMPUTER TECHNOLOGY
7. INTL JNL OF ADVANCED CIVIL ENGINEERING
8. INTL JNL OF CIVIL ENGINEERING & APPLICATIONS
9. INTL JNL OF CIVIL ENGINEERING RESEARCH

MECHANICAL ENGG.

1. INDIAN JNL OF OF ADVANCE MECHATRONICS & ROBOTICS
2. INDIAN JNL OF MATERIAL SCIENCES AND TECHNOLGOY
3. CURRENT DEVELOPMENT IN MECHNAICS AND TERMODYNAMICS.
4. INDIAN JNL OF CIVIL MECHANICAL ENGINEERING
5. INDIAN JNL OF MECHANICS AND SOLIDS
6. INDIAN JOURNAL OF MECHOTRONICS
7. INTL JNL OF ADVANCED MECHANICAL ENGINEEING
8. INTL JNL OF MECHNANICS AND SOLIDS
9. INTL JNL OF MECHNAICS AND THERMODYANAMICS

CIVIL ENGG.

1. INDIAN JNL OF CONSTRUCTION ENGINEEING AND TECHNOLOGY
2. ADVANCE DEVELOPMENT IN INIDIN CIVIL ENGINEERING
3. INDIAN JNL OF ARCHITECURE & INTERIOR DESIGN
4. INDIAN JNL OF ARCHITECURE AND TOWN PLANNING
5. INDIAN JNL OF CIVIL CONSTRUCTED FACILITIES
6. JNL OF INDIAN CIVIL ENGINEERING
7. INTL JNL OF NETWORKING AND COMPUTER ENGG.
8. INTL JNL OF INTERNET AND COMPUTER SECURITY
9. INTL JNL OF SOFTWARE ENGINEERING

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ELECTRICAL ENGG.

1. ADVANCE DEVELOPMENT IN INDIAN ELECTRICAL ENGG.
2. INTL JNL OF ELECTRICAL ENGG.AND MODERN TECH.
3. INDIAN JNL OF EMBEDDED SYSTEM IN ENGG.RESEARCH
4. INDIAN JNL OF ELECTRICAL ENGG.& COMPUTER ENGG.
5. INTL JNL OF ELECTRICAL ENGG. & MODERN TECHNOLOGY
6. INTL JNL OF ELECTRICAL ENGINEERING
7. INTL JNL OF ELECTRICAL AND COMPUTER ENGINEERING
8. INDIAN JNL OF VLSI AND CIRCUIT DESIGN
9. CURRENT DEVELOPMENT IN ELECTRICAL ENGG.

ELECTRONICS ENGG.

1. ADVANCES IN ELECTRONIC CIRCUIT DEVICES & SYSTEM
2. INDIAN JNL OF ELECTRONIC ENGG.NETWORKS & DEVICES
3. INDIAN JNL OF ELECTRONIC CIRCUITS DEVICES & SYSTEMS
4. INDIAN JNL OF SYSTEMS ENGINEERING AND ELECTRONICS
5. INDIAN JNL OF DIGITAL ELECTRONIC TECHNOLOGIES
6. INDIAN JNL OF ELECTRONICS AND MICROCIRCUITS
7. GLOBAL JNL OF SYSTEMS ENGG. & ELECTRONICS
8. ADVANCES IN ELECTRONIC AND ELECTRIC ENGGINEERING
9. GLOBAL JNL OF ELECTRONIC & COMMUNICATION RESEARCH

MBA

1. INDIAN JNL OF BUSINESS AND RURAL DEVELOPMENT STUDIES
2. CURRENT DEVELOPMENT IN IT & KNOWLEDGE MANAGEMENT
3. ADVANCE IN INIDAN RETAIL MARKET
4. JNL OF INDIAN MARKET AND RELATIONSHIP MANAGEMENT
5. JNL OF HUMAN RESOURCE DEVELOPMENT AND MANAGEMENT
6. INDIAN JOURNAL OF ECONOMIC AND MANAGEMENT STRATEGY
7. GLOBAL JOURNAL OF FINANCE AND ECONOMIC MANAGEMENT
8. INTL JNL REVIEW OF BUSINESS AND FINANCE
9. INTL JNL OF ECONOMIC & MANAGEMENT STRATEGE

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College of Engg. & Mgnt
Amravati.

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"Shri Gajanan Maharaj Prasanna"

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions,
College of Engineering & Management, Amravati
(Recognized by AICTE, New Delhi, DTE, Mumbai & Affiliated to SGBAU, Amravati)

Pote Estate, Pote Patil Road, Kathora, Amravati. (Maharashtra)
Ph. No. 0721-2530342, 44, 2530089 Fax No.: 0721- 2530341
Email: prpotepatilcollege@gmail.com

Ref.: PRPCEM/2017-2018/190 Date: 23/01/2018

To
The Principal
PRPCEM
Amravati.

Subject: Books exhibition arranged in our library.

Respected Sir,

As per the requirement of our syllabus and curriculums we need to purchase some books also according to AICTE norms 150 titles need to be added every year .So we had invited an exhibition of books by our previous bookseller Dnyanpath Publication and Venus Book Center in our library for date 24/01/2018 So that we can choose and purchase the necessary books with the help of faculties.

We request you to do needful in this regard so that the procedure to procure the books in initialed.

Thanking You

Yours Faithfully

(Mr. R.M. Pathad)
LIBRARIAN
P.R. Pote Patil
College of Engg. & Mgnt
Amravati

P.R. Pote Patil College of Engg. LIBRARY Amravati

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Central Library Books Exhibition Date 24/01/18



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COMBINED CHALLAN OF A/C NO. 01, 02, 10, 21 & 22 (With ECR)

EMPLOYEES' PROVIDENT FUND ORGANISATION

TRRN: 3201707003655

Establishment Code & Name : NGAKL0111007000 P.R POTE (PATIL) EDUCATION AND

Dues for the wage month of :March 2017

Address : C/O PRAVIN BUILDERS AND DEVELOPERS, INDIA PVT LTD., CAMP ROAD, AMRAVATI, AMRAVATI, MAHARASHTRA

	EPF	EPS	EDLI
Total Subscribers :	251	250	251
Total Wages :	35,35,000	35,35,000	35,20,000

SL.	PARTICULARS	A/C.01 (Rs.)	A/C.02 (Rs.)	A/C.10 (Rs.)	A/C.21 (Rs.)	A/C.22 (Rs.)	TOTAL
1	Administration Charges	0	38,885	0	0	354	39,239
2	Employer's Share Of Contribution	1,28,744	0	2,92,077	17,600	0	438,421
3	Employee's Share Of Contribution	4,24,200	0	0	0	0	424,200

Grand Total : Nine Lakh One Thousand Eight Hundred Sixty Rupees Only 9,01,860

(Only for offline payment in case permitted by EPFO)

FOR BANKS USE ONLY

Amount Received Rs. ----------

Date of presentation of Cheque/DD ----------

Date of Realisation of Cheque/DD ----------

SBI Branch Name ----------

SBI Branch Code ----------

FOR ESTABLISHMENT USE ONLY (To be manually filled by Employer)

Cheque/DD No. ---------- Date: ----------

Cheque/DD drawn bank &

Name of the Depositer----------

Date of Deposit---------- Mobile No. ----------

Signature of the

(This is a system generated challan on 27-JUL-2017 11:20, the particulars shown in this challan are populated from the Electronic Challan Cum Return (ECR) uploaded by the establishment for the specified month and year.

Note :- The following amounts are being remitted directly by Government of India on account of PMRPY and PMPRPY-

A) A/C no 1 (Employer share) (Rs.) -	0
B) A/C no 10 (Pension fund) (Rs.) -	0
C) Total (A + B) (Rs.) -	0
D) Total remittance by Employer (Rs.) -	9,01,860
E) Total amount of uploaded ECR (C + D) (Rs.) -	9,01,860

Administrative Officer
P. R. Pote (Patil) Education & Welfare Trust's
Group of Institutions College of Engg. & Management
(Multi Discipline Integrated Campus)
Kathora Road, Amravati

')

Home (/epfo/home?_HDIV_STATE_=31-36-11B91F169876987F2F3B902E9E04F00B)
/ ECR Home Page (/epfo/ecr/ecrEstHomePage?_HDIV_STATE_=31-35-11B91F169876987F2F3B902E9E04F00B) / Challan Payment Response

Transaction Successful

Payment Details:	
Bank	State Bank of India
TRRN	3201707003655
CRN	002270717528459
Paid Amount (₹)	901860
Payment Status	Transaction Successful

Click here Home (/epfo/home?_HDIV_STATE_=31-37-11B91F169876987F2F3B902E9E04F00B) to go to home page.

No. H: 185378

SANT GADGE BABA AMRAVATI UNIVERSITY

Receipt No. 185378 Date : 21/7/2018

817 PRIN. P.R.P(POTE)I.COLL.OF ENG.MANG.AMT

Name :

Name of Exam : S/W

ON ACCOUNT OF	Rs.	Ps.
ANNUAL FEE	168140.00	
CORPUS FUND	13210.00	
STUDENT WELFARE FUND	48040.00	
STUDENTS COUNCIL ACTIVITY F	12010.00	
STUDENT SAFETY INSURANCE	24020.00	
EMERGENCY FUND	24020.00	
SPORTS FEE (STUDENTS)	120100.00	
I.U.S.M. FEE (ASHWAMEDH) AND	72060.00	
In Words : Rs. Four Lakh Eighty-One Thousand Six Hundred Only		
TOTAL	4,81,600.00	

Subject to Realisation

DD No. KATHORA BUDRUK Date : 15/7/2018

Name of Issuing Bank

Receipt Clerk

Student's / Payer's Copy

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P. R. Pote Patil College of Engineering & Management, Amravati
(EN1107)

SELF ASSESSMENT FORM FOR THE TEACHING STAFF

(For The Year 2019- 2020)

PART-1 (BASIC INFORMATION)

1. Full name : _____
2. Designation : _____
3. Department : _____
4. Date of joining of the present institute : _____
5. Date of Birth : _____
6. Place of Birth (Village/Town/Taluka/District) : _____
7. Nationality and Religion : _____
8. Whether belongs to (SC/ST/OBC/OPEN) : _____
9. Permanent Address : _____
10. Mother Tongue : _____
11. Languages Known : _____
12. Qualifications of the Teacher :

UG, PG & Any Other	Special Subject offered	Allied additional Subordinate Subjects offered	Class/ Percentage obtained	Year. Of Passing	University

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13. a) Total Teaching experience : Year _____ Month_ _ _ _ _

Name of the Previous Institutions	Period of Service From - to	Designation	Classes Taught	Subjects Taught	Scale of pay

13. b) Total Industrial Experience : Year _____ Month_____

Name of the Previous Industries	Period of Service From - to	Designation	Nature of Work	Scale of pay

14. Subject taught in this institution? : _____

Sr. No.		Work – Load		
		U.G	P.G	PhD
1	Actual number of Periods per week			
2	Lectures -			
3	Tutorials			
4	Practical			
5	Seminars			
6	Dissertations/Project			
7	others			

PART – II
SELF ASSESSMENT OF THE TEACHER

(NOTE: Self-Assessment should be in short within the limit of space provided)

I) A) Status of Theory for Winter 2019 & Summer 2020)

Sr. No.	Semester	Subject Taught	Syllabus Coverage	Feed back (%)	Result Percentage
1					
2					
3					
4					
5					
6					

B) Status of Theory for the Semester Summer 2019.

Sr. No.	Semester	Subject Taught	Feed back (%)	No. of lecturer engaged	Syllabus covered
1					
2					
3					
4					

II) Teaching Methods applied : _____
(Name and describe new _____
Teaching methods used, if any _____
(Beside lecture method).

i) Distributing lecture notes : _____
ii) Encouraging questions in the class : _____
iii) Announcing topics for discussion : _____
in advance. _____
iv) Holding seminars : _____
v) Use of audio visual aids : _____
vi) Video Demo/ Case Study : _____

III) Contribution to research : _____
Schemes approved by the UGC, _____
DST,ICAR, ICSSR & others, if any _____

IV) Any other Contribution in -

i) Teaching Methods : _____

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ii) Evaluation Techniques :_____

iii) Course Development etc :_____

V. Academic and professional growth (During the year)

i) Research qualification acquired. :_____

ii) Research industry projects under taken. :_____

iii) Total research papers published/ presented :_____

iv) Guidance rendered to research scholar. :_____

v) Participation in Seminars, Workshops, :_____

Training Programmes & Conferences. :_____

vi) Participation in orientation :_____

programmes, Refresher Courses etc. _____

vii) Any other type of training :_____

VI. Participation in Extra Mural activities :_____

i) Extracurricular activities, debates, : _____

cultural activities, counseling to _____

students planning forum, union _____

NSS, NCC, Scouting etc.

ii) Service to community, Adult- :_____

Education. Extension Service etc. _____

VII. Help in departmental administration :_____

activities by way of membership _____

of various committees, Admission _____

Committee, Students Welfare Committee etc. _____

VIII. Any other Information about his/her :_____

Contribution (not conveyed above) _____

IX. General Observations -

i) Attendance

a) Regularity : _____

b) Punctually :_____

ii) Students teachers Relationship :_____

iii) Colleague Relationship :_____

iv) Class control :_____

v) Reading habits and other matters :_____

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X. Your own assessment of your performance for the year under report in regard to:

a) The quality and quantity of work done and how it compared with the prescribed norms standards or targets : _____

b) Guiding, training, controlling class : _____

c) Details of any specific item (s) of work done by you which you think especially note- worthy. : _____

d) If in your opinion you were unable to maintain the expected quality or quantity in performance in any respect, indicate your reasons and give suggestions. : _____

Date ; _____ (Signature of the teacher)

Name of the teacher - _____

EVALUATION BY THE HEAD OF THE DEPARTMENT OR PRINCIPAL,

a) State whether the facts stated above are correct, if not state the correct facts.

b) Do you agree with self assessment of performances done by the teacher ? if not give reasons why you do not agree.

i) Actual verification & evaluation in respects of part ii

Item	Excellent (5)	Very Good (4)	Average (3)	Exaggerated (2)	Correct (1)
I					
II					
III					
IV					
V					
VI					
VII					
VIII					
IX					
X					
Total Marks					

15

ii) A) General Intelligence : _____

B) Capacity to get work done in respect of research & teaching : _____

C) Technical Ability : _____

D) Administrative ability including judgment initiative and drive (if applicable) : _____

E) Integrity and character : _____

F) Whether powers delegated are fully utilized . : _____

G) General Assessment_____ *A+ = Outstanding, A = Very Good, B + = Positively Good, B=Good, B- Average, C = Below Average

(√ Write which is applicable.)

Date : / / Signature of Reporting Officer

Observations of the Principal / Reviewing officer

_____

_____

_____

_____

_____

Date : / / Signature of Principal/Reviewing Officer

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P.R. Pote (Patil) Education & Welfare Trust's Group of Institutions

College of Engineering & Management, Amravati

Pote Estate, Kathora Road Amravati, 444604

Report

on

AICTE-ISTE SPONSERED

ONE WEEK REFRESHER / INDUCTION PROGRAM

Basics of Technical Research Paper Writing for Indexed Journals

| 18th to 23rd June, 2018 |

Organized By

Department of Mechanical Engineering

LIST OF GUEST SPEEKER

Sr. No.	Name	Details
1	**Dr. M. G. Chandekar**	**Vice Chancellor of Sant Gadge baba Amravati University**, M. Phil (Commerce), He worked as a principal of VMV Commerce, JMT Arts, JJP Science College Nagapur, and Mahila Mahavidyalaya Nashik. Previously he worked as a Pro-Vice chancellor of RTM Nagpur University and vice chancellor of Gondwana University, Gadchiroli. He is awarded Samajik Abhisaran Puraskar on 26th February 2003 by Sawarkar Smarak Samiti, Nagpur for contribution in the field of education and community services in tribal areas, He has also got the best paper award in international Conference at Colombo (Srilanka).
2	**Dr. A. I. Dhatrak**	**ISTE Executive Council member, Dean Academic and Associate professor in Civil Engineering department at Govt. College of Engg. Amravati**
3	**Dr. V. K. Deshpande**	**Head of Applied Physics Department, VNIT Nagpur**, He obtained his Bachelor's and Master's degree in Science followed by doctoral degree in Physics. Also done post-Doctoral Research at France. His Field of Research includes Ion conducting glasses and Glass Ceramics, Solid state Batteries, Ferroelectric Glass Ceramics, Radiation Resistant Optical Glasses. He has total of 33 years' experience in teaching and research. He published 72 research paper in international, national journal &conference. Apart from research activities He is Head, Applied Physics Department, VNIT Nagpur Dean (Academic Affairs) V.N.I.T. Nagpur, Chairman, Board of Studies in Applied Physics, V.N.I.T., Nagpur
4	**Dr. S. M. Kherde**	**Principal at Dr. Sau Kamaltai Gawai Institute of Engineering & Technology, Darapur, Amravati.** BE(production), M.Tech(Industrial Engg.), Ph.D. (Doctorate of Philosophy) in Mechanical Engineering from SGB Amravati University, Amravati (2011). Teaching Experience 25 Years Industrial Experience - 01 Year, 1. Fellow Member of Institution of Engineers of India (FIE), F-118646-5.

		2. Life Member of Indian Society for Technical Education LM-13619, 3. Member of American Society of Mechanical Engineers, ASME - 000008508657, 4. Member of Society of Automotive Engineers, SAE INDIA – 7105000384, 5. Member of Institute of Electrical & Electronics Engineering, IEEE-85033651
5	**Dr. M. A. Gaikwad**	**Professor, BDCOE, Wardha**. BE (Electronics), M.Tech (Communication Engineering) and PhD (Electronics Engg.). Technical research paper publish by him is 98. He is the recipient of "Adarsha Shikshak Purskar" for the year 2006 in Vidarbha Region & award was conferred on 5th September 2006 on the occasion of Teachers' Day. He is also the recipient of "Certification of Achievement" from The 2003 ACM Asia International Collegiate Programming Contest (ICPC) Kolkata-Roorkee organized by Indian Institute of Technology, Roorkee. He is also the recipient of "Certificate of Appreciation" from Add. Director General of Police, State CID, Pune for Project Demonstration on "Face Recognition System" in the office premise of Add. Director General of Police, State CID, Pune for identification of Hard-Core Criminals. Recently he is also the recipient of prestigious National Award "Rashtriya Vidya Saraswati Purskar" & "Certificate of Merit" for outstanding achievement in the field of Engineering & Technology. He has also received the Felicitation from "Lokseva Manch", as a token of appreciation to be a recipient of National Award-2007, "Rashtriya Vidya Saraswati Purskar" on 5th May 2007. He is also the recipient of First Position in Best Research Paper Category in International Conference ACE-2010 at Banglore on 21-22nd June 2010. He is the recipient of "Dhayndeep Purskar" for outstanding achievement in the field of Engineering & Technology by Wardha Nagari Satkar Samiti, Wardha and award has been conferred on 22nd October 2010 at Wardha.

6	**Dr. P. R. Gandhi**	**Assistant Professor in Ramdeo baba College of Engineering and management, Nagpur**. Total Teaching Experience is 25 years in Physics. Deep knowledge of patent filing and one patent resister.
7	**Dr. V. N. Bapat**	**Academic Advisor in P R Pote (Patil) Group of Education Institutions, Amravati.** BE, ME and PhD in electrical Engineering. Total teaching experience is 35 years, along with 35 Research paper published.
8	**Prof. D. V. Shirbhate**	**Principal in Vikramshila Polytechnic, At post Darapur Tq. Daryapur Dist: Amravati (M.S.),** B.E.(Prod), M.E. (Production Technology and Management), Teaching Experience is 20 years and one-year industrial experience, Technical Research paper publish 10, two patents and one copyright. PhD perusing in Virtual Reality.
9	**Dr. V. B. Gawande**	**Assistant Professor in VPKNBIET, Baramati.** Total Teaching Experience is 5 years. PhD from VNIT Nagpur, Research paper published is 10 with citation No. more than 100 and h index 6 and i10 index 5. He is reviewer of technical paper publisher Elsevier.
10	**Dr. D. V. Jadhav**	**Joint Director, Technical Education, Regional Office, Amravati**, Teaching Experience 25 year, 35 conferences, and 15 journal papers published and one book. He is awarded ISTE National Award for Outstanding Research in 2009 and Indian Academy of Engineers Award in 2010.
11	**Dr. D. S. Ingole**	**Professor and Dean Academic in Prof. Ram Meghe Institute of Technology & Research, Badnera** - Amravati, B.E.(Prod), M. Tech. (Prod), M.B.A, Ph.D. (VNIT, Nagpur), F.I.E. Published over 50 research papers in the conferences and journals, Patents – 05. Received the "Best Engineering College Teacher Award for Maharashtra State" in 2007, by ISTE, New Delhi. Worked as a Member of Board of Studies of Mechanical Engineering, SGB Amravati University.
12	**Prof. C. V. Kothari**	**Principal, Agnihotri School of Technology, Wardha**. Ph. D. – Mathematical Modeling of a single cylinder 4stroke SI engine fueled with multiple fuel blends, 18 year of teaching experience along with National and international Paper published is 15 and two patents.

13	**Dr. S. V. Bansod**	**Professor, PRMITR, Badnera**. Published 58 research papers in National/ International Journals and conferences and Received "S. V. Patwardhan Memorial Award" for the best research paper published in the Journal of Indian Water Works Association (India) in 1992 published on M. E Research. He is also Life membership of Professional Societies like IEI, IIIE, ISTE, and IWWA, Worked as Executive council member for two terms of ISTE new Delhi, Fellow of the Institution of Engineers, India, Member various Academic Bodies like. a) Chairman of board of studies of Prod. Engg. & member of faculty of E&T at S . G. B. Amravati. b) Ex. Member of board of studies of Mech. Engg & member of faculty of E&T R. S. T.U Nagpur. c) Member of R.R.C. of R. S. T. U. Nagpur.
14	**Mr. Sanjay Gadekar**	**Teacher of Art of living**, Gadekar has completed Diploma in Civil Engineering. He worked as Govt. Contractor since from 1994 to 2006, He has attended first Art of Living course in 2002, In 2006, He has blessed as an Art of Living teacher by Gurudev Sri Sri Ravishankar Ji, He has conducted more than 400 courses of Art of Living, through these courses more than 40,000 people take the advantage of Shudarshan Kriya& Yoga. In March 2018 Sir has honored & blessed as a Divya Samaj Nirman Teacher by Sri Sri Ravishankar Ji.
15	**Dr. A. G. Matani**	**Associate Professor in Mechanical Engg Dept. at Govt. College of Engg, Amravati**. He has total 28 year of teaching Experience along with 110 Research paper published in national and international journals. Sir is member of various board of governing council and committees like: • **ISTE**, New Delhi, • Operational Research Society of India, Kolkata, • Institute of Engineers, Kolkata, • National Foundation of Engineers, New Delhi, • Charter Engineer of Institution of Engineers, Kolkata

16	**Dr. N. W. Kale**	**Professor, PRMITR, Badnera**. 32 years of Teaching Experience and one-year industrial experience. Founder member of Nature Conservation Society, Amravati, regularly organizing environment education activities in schools and colleges since past 25 years, Member of Climate Change (India) program. Specially trained by former US Vice President Hon'ble Al Gore on Climate Change, Member of Satpuda Landscape Tiger Conservation Program, in association with Oxford University, UK. Member of Local advisory committee of Melghat tiger reserve. Recipient of 'Best Lecture Award' by Indian Water Works Association (IWWA), Honored by Green Teacher National award by Sanctuary Asia and ABN AMRO.
17	**Dr. R. S. Dalu**	**Head, Mechanical Engineering, Govt. College of Engineering, Amravati. I/C Principal, Govt. College of Engineering, Amravati.** Ex-Chairman, Board of Studies, Mechanical Engineering, Sant Gadge Baba Amravati University and has 30 Years of teaching Experience, Published more than 100 publications in international and national Journals, "Best Teacher Award" of Government of Maharashtra for the year 2012-13. "Manmohan Suri Best Project Award of IIT Delhi" for the year 1993-94.
18	**Dr. S. B. Warkad**	**Associated Professor** at P. R. Pote (Patil) College of Engineering and Management Amravati. He has teaching experience of 18 years along with 8 years of research experience and 2.6 years of industrial experience. He has received *"Union Ministry of Energy (now Ministry of Energy, Department of Power, Government of India) -Department of Power Prize"* for the paper entitled "Optimal Electricity Nodal Pricing in a Restructured Electricity Market". He also has membership of various professional bodies like ISTE,IEEE,AITSE,IET ,IACSIT , IAENG IAES ,ESR Group ,AIIM.
18	**Dr. H. Y. Mohod**	**Chairman, ISTE, Maharashtra and Goa Circle**. Lecturer (Selection Grade) in Applied Mechanics Department, Dr. Panjabrao Deshmukh Polytechnic, Amravati(M.S.) since 1983 till now, Trustee of Madhuban Vruddhashram for last 20 years, a trust that gives shelter to unsupported poor and old citizen. • Life member of Institute of Engineers (No.: - M/11939718). • Life member of Indian Society for Technical Education (No.: - LM-2497). • Life member of Indian Society for Geo-Tech Engineering.

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		• Life member of Indian Society for Earth Quack Engineering. • Life member of ICI. • Worked as an Executive Member (1992-97) of Shri. Shivaji Education Society, Amravati which is largest educational trust in Maharashtra. • EX section managing in committee member of Indian society for technical education New Delhi Mah-Goa section in 2012-14. • worked as member of Construction Committee constituted by Shri. Shivaji Education Society, Amravati. • Worked as member of Purchase Committee to Dr. Panjabrao Deshmukh Memorial Medical College, Amravati. • Worked as a member of Local Management committee of senior colleges, school committees and Governing Bodies of Polytechnic and College of Engineering, Akola institutions approved by AICTE, New Delhi. • Worked as a member of Enquiry committee constituted by Executive Council of Shri Shivaji Education Society, Amravati in view of L.A.Q. against Surgeon of Medical College. • Worked as a Convener of Curriculum design committee of subject "Engineering Mechanics", The Project was carried out under board of Technical education Mumbai. • Worked as a member of Curriculum design committee of subject "Design of Steel Structure" in 2009-10. • Worked as a faculty member of teacher's guideline for engineering mechanics. • Worked as a member of Curriculum Design committee of Subject Concrete Technology in scheme 'C ' • Worked as a Faculty member in Workshop to impart guidelines to the teachers concerning to "Engineering mechanics" subject. • Worked as an expert faculty in Equipment committee framed by Board of technical education.

LIST OF PARTICIPANT

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4	Vikram M. Kakade	LM103403	PRMCEAM, Badnera
5	Abhijit G. Kalbande	LM103397	PRMCEAM, Badnera
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26	SanjuVinchurkar	LM81954	Prof. Ram Meghe Inst. of Tech. & Research, Badnera
27	AtulWankhade	LM65353	Manav School of Engineering Vyala, Akola
28	Ashok Mattani	LM11946	Govt. College of Engineering, Amravati
29	UmeshMohod	LM70245	Anuradha College of Engineering, Chikhli.
30	Dr. Shamal K. Doifode	LM82180	Govt. College of Engineering, Amravati
31	Sagar Jane	LM100284	Manav School of Engineering Vyala, Akola
32	RajendraBharambe	LM64776	Bharat College of Engineering, Badlapur West.
33	Parag Wadnerkar	LM17169	P. R. Pote (Patil) College of Engineering & Management, Amravati
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35	Manish Walecha	LM103691	P. R. Pote (Patil) College of Engineering & Management, Amravati
36	Dr. NileshThakare	LM60054	P. R. Pote (Patil) College of Engineering & Management, Amravati
37	Dr. Pankaj Ardak	LM103697	P. R. Pote (Patil) College of Engineering & Management, Amravati
38	ShrikantYeole	LM103692	P. R. Pote (Patil) College of Engineering & Management, Amravati
39	Rajesh Pokale	LM77010	P. R. Pote (Patil) College of Engineering & Management, Amravati
40	Vijay Gore	LM103701	P. R. Pote (Patil) College of Engineering & Management, Amravati

SCHEDULE

DAY 1: 18th JUNE 2018

INAUGURATION 1

SESSION 1: RESEARCH: A JOURNEY OF CHALLENGES, EXCITEMENT AND SATISFACTION. 3

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SESSION 1: ROLE OF RESEARCH METHODOLOGY & STATISTICAL ANALYSIS IN RESEARCH PAPER PUBLICATION: A HEURISTIC APPROACH..... 4

SESSION 2: PATENT FILLING. 4

SESSION 3: FUZZY LOGIC & ANN 5

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Day 1

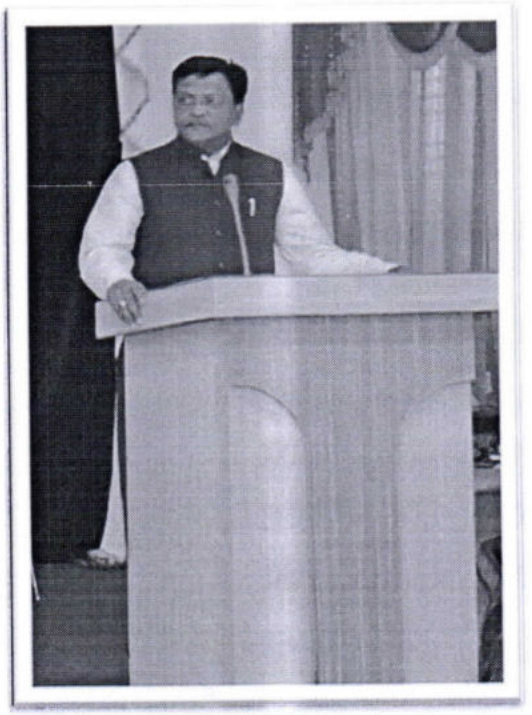
INAUGURATION

Department of Mechanical Engineering in P.R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati. Organized one-week refresher/ induction program on Basic of Research Paper Writing in Index Journal. This induction program is being inaugurated by University Vice – Chancellor Dr. M. G. Chandekar, in the presence of Dr. A. I. Dhatrak ISTE executive member, Dr. D. G. Wakde Director of PRPCEM, Dr. S. D. Wakde Principal PRPCEM and Prof. Mohd. Zuhair Vice Principal PRPCEM.

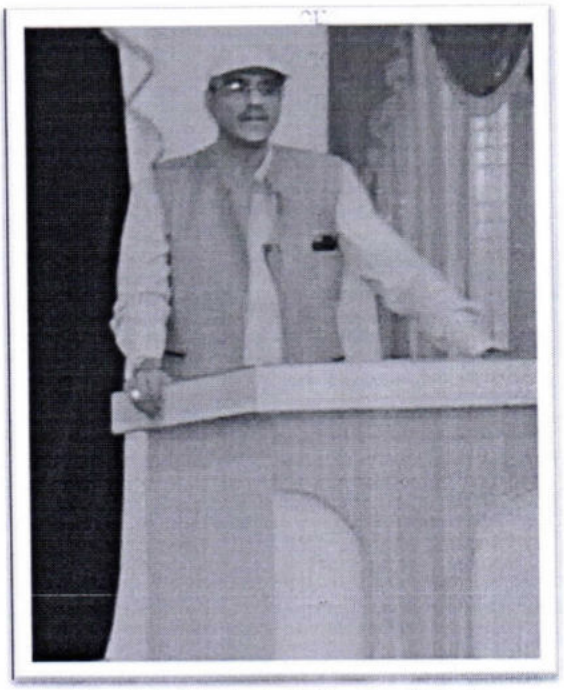


Dr. S.D.Wakde (Principal P.R.Pote College of Engineering and Management) delivers welcome speech.

Inaugural speech by, **Dr. M. G. Chandekar** (Vice-Chancellor, SGABU, Amravati),
He highlighted in his greetings today's scenario about technical education, students interest in engineering field. He focused on maintaining communication between industry and education system. He suggested three-month short term industrial training for students along with academic and start-up & innovation centre at the university place. Also congratulated to institute which got AICTE and ISTE sponsored induction programme in just decade year of span, also highlighted



Dr. M. G. Chandekar Delivering Speech.



Dr. A. I. Dhatrak Delivering Speech.

Honourable guest **Dr. A. I. Dhatrak** (ISTE Executive Council Member) highlighted his own view about today's scenario. Also talked about in-sufficient advance technical Lab's, make our product (Students) up to the satisfaction of industry. Also said that Faculty development program is must, to develop the faculty so they can utilized their knowledge to develop the student. He also appreciates the institute and faculty member for their work.

Session 1

Dr. V. K. Deshpande (Professor in physics, VNIT Nagpur) spoke about Research: A journey of challenges, excitement and satisfaction.

He empathized firstly what are the challenges he faces during research, like non-availability of literature, deciding research topic and lack of facility. He talks about necessity of reproducibility of measurements in experiment and Effect of preparative parameters on the properties. For his genuine work he got prestigious honor around the world. He invited by various scientist around the world for their work.



Dr. V. K. Deshpande share his knowledge

Session 2

Dr. S. M. Kherde (Principal, DSKGIT, Darapur) conduct his session on How to conduct academic research? Students and professionals both know that conducting accurate, valid, and timely research into academic is critical than success in the classroom and at work. Writing the results into a paper is also a major step in the process. Explained how to discover new or collect old facts by the scientific study of a subject or by a course of critical investigation.



Dr. S. M. Kherde Delivering Speech on How to conduct academic research?

Day 2

Session 1

Dr. M. V. Gaikwad (Professor, BDCOE, Wardha) delivers his expert talk on Role of research methodology & statistical analysis in research paper publication - A Heuristic approach. He empathized on research issues in engineering field. He talks about Integration of Services or Systems, Miniaturization of System, Minimization of Power Consumption, Generalization of Theory or Concept and various type of Research. He also focused on what is Research and what are the expectations from researchers. Then he explains Research processes.



Dr. M. V. Gaikwad Talks on Role of research methodology

Session 2

Dr. P. R. Gandhi (Professor, Ramdeo Baba COE, Nagpur) talked about Patents Filing. He explained deeply what patent is, What can be patented? , How one write and file the Patent? What is the Role of Patent Office in granting the Patent, Why to go for patent and at last future after granting Patent. Then he talked about some facts which involves in patents filing and IPR (Intellectual Property Rights). He discussed about different Contents in filing the Patent and process.



Dr. P. R. Gandhi , Patents Filing.

Session 3

Dr. S. B. Warkad (Asso. Professor, PRPCEM, Amravati) talked about "Fuzzy Logic & ANN". He just briefly introduced basics of Neural Network and various goals of Neural Computation by correlating it with Human Brain. While explaining the definition of ANN, he also shared the various types of Neurons are there and how Neural Network Taxonomy can be applied to any problem in field of Research. Later he explained various areas where ANN can be used as a powerful tool with various existing applications. He also shared some real life applications with some general advantages and historical background of ANN. At last, he gave the Demonstration of IEEE-30 bus system where how Electricity Price Prediction can be done on 400kV MSETCL system in India.

Day 3

Session 1

Prof. D. V. Shirbhate (Principal, Vikramshila Polytechnic, Darapur) demonstrated about Virtual Reality and Research Work in VR (Virtual Reality) World. He emphasizes today's need of Virtual Reality and 3D browser. In India very few people are working in Virtual Reality and he is one of them. To understand what is VRML (Virtual Reality Model Language), he has made YouTube channel for VRML. So participant visit their channel and understand about VRML. He has already patented and copyrights his work in Virtual Reality. He was come up with Virtual Reality setup so participant can experience virtual reality.



Prof. D. V. Shirbhate enlighten on Virtual Reality

Session 2

Dr. V. B. Gawande (Asst. Professor, VPKBIET, Baramati) explained Process of publishing paper in scholarly journals. He told importance of index journal, to create an identity in academic society, to improve writing skills, to upgrade knowledge, to get funding through government agencies for research activities. He also talked about how to find Research gap between Research areas from Literature. Then he explained process of publishing paper in index journal, general structure of a research articles. The process of writing and building articles.



Dr. V. B. Gawande talked about Process of publishing paper.

Session 3

Dr. D. V. Jadhav (Joint Director, Technical Education, RO, Amravati) discussed about Research Methodology. He explains what is Transforms Based Signal Processing. What is Transform and Why Do We Need?. He explained different transform method like Fourier Transform, Discrete Cosine Transform, Discrete Sine Transform, Discrete Walsh Transform, Discrete Hadamard Transform, K-L Transform.



Dr. D. V. Jadhav delivering expert talk on Research Methodology.

Session 4

Dr. V. N. Bapat (Technical Adviser PRPCEM Amravati) delivered his lecture about Applied Research. He gave various example of research area using different quotes. He explained how to find out research problems in our daily routing life. He concentrates about various research area and available materials.



Dr. V. N. Bapat.

Session 5

Dr. D. S. Ingole (Professor, PRMITR, Badnera) focused on writing research papers for journals - The Reviewer's Perspective. He explained different type of technical paper like Discussion, Case study, Review, Research paper. During his lecture he discussed about national & international indexation services like Medline, PubMed EMBASE, SCOPUS, EBSCO Publishing's Electronic Databases, SCIRUS. Also he explains h index, i10 index SNIP AND RIP Indicators (Based on Scopus).



Dr. D. S. Ingole on writing research papers for journals

Day 4

Session 1

Prof. C. V. Kothari (Principal, Agnihotri School of Technology, Wardha) discussed the Role of mathematical analysis in modern research. He emphasizes on Modern research techniques rather than Ancient research techniques. Modern technique uses pre-experimental research (Classical Approach, Taguchi approach and factorial approach), Actual experimentation or simulation, Post experimental analysis (Artificial Intelligence). He talks about ARTIFICIAL INTELLIGENCE (AI) with the help of case study about ANN Model for Performance Parameter by Neuro Solution Software.



Prof. C. V. Kothari , Role of mathematical analysis in modern research.

Session 2

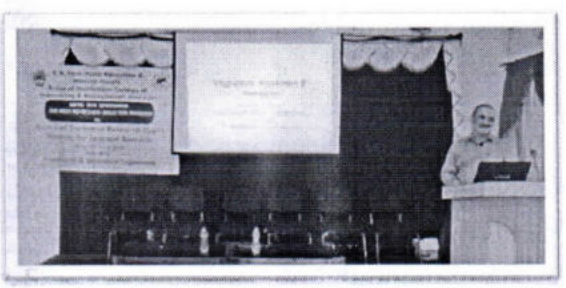
Dr. S. V. Bansod (Professor, PRMITR, Badnera) cleared the concept of Paper presentation, Why and how. He explains, Why and how to published an article?, What are the general classes of paper publications? And What is the process?. Then very important topic he explains LOA (Law of Attraction) and how it works, to explain LOA he had shown short video.



Dr. S. V. Bansod , Paper presentation Why and How.

Session 3

Dr. A. G. Matani (Associate Professor in GCOE Amravati) talked about plagiarism - prevention and remedies. He explains different tools to prevent plagiarism. If our work is genuine then not worried about plagiarism just go for some de-plagiarism tool and publish paper in reputed journal.

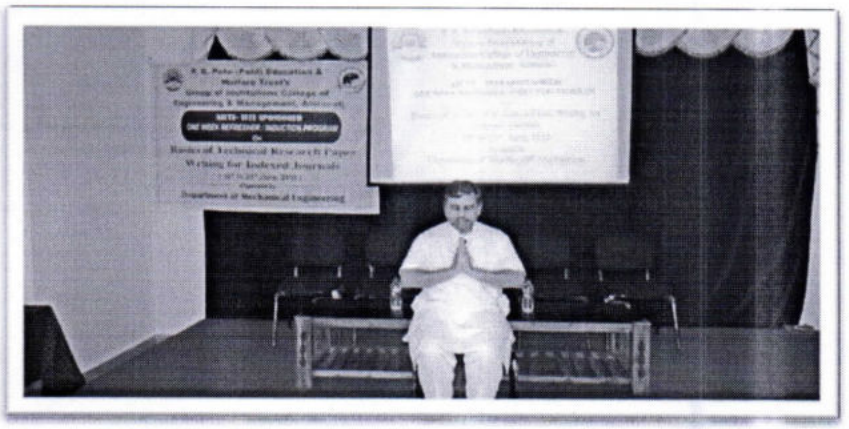


Dr. A. G. Matani about plagiarism.

Day 5

Session 1

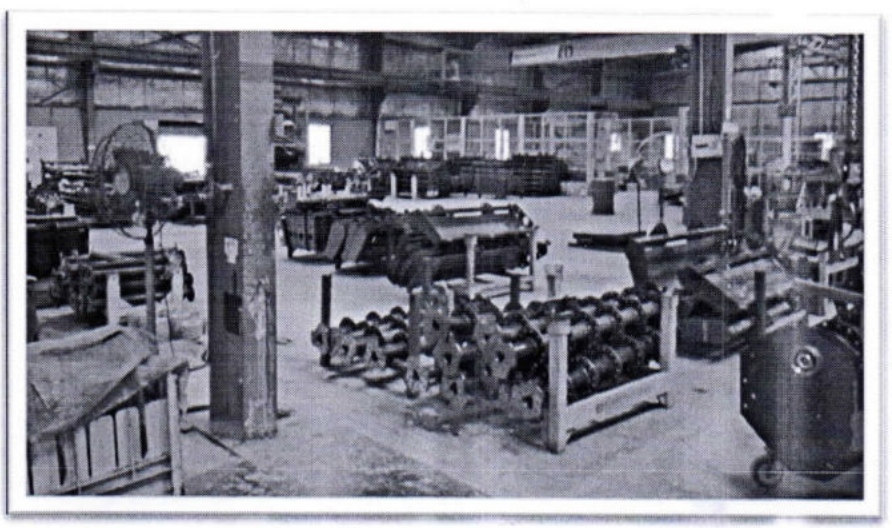
Mr. Sanjay Gadekar (yoga teacher) Art of living. He talked about how life can live with happiness. He focused on stress in life and suggests remedies to relieve it in future and escape worried. He demonstrates different yoga benefit for healthy life.



Mr. Sanjay Gadekar demonstrating YOGA.

Session 2

Industrial Visit to Jadhav Layland





Day 6

Session 1

Dr. N. W. Kale (Professor PRMITR, Badnera) focused on Industry and education revolution 4.0. He explained how revolution takes place in industries start from 1.0. He also explained last decade development like use of internet, WhatsApp, Facebook, and so on. He talked about few smart gadgets and what industry expected from today's generation. At last he emphasizes on education revolution and what need to be done for student's better future.



Dr. N. W. Kale discuss about education revolution 4.0

Session 2

Dr. R. S. Dalu (Professor and Head of Mechanical Engineering Department, Govt. College of Engineering, Amravati) delivered his expert talk on Data Analysis Tools- AHP & FAHP.

He explained in details what is AHP, FAHP and its history. He had given one example and describes how AHP work. AHP can use for Benchmarking, Quality Management (QFD), Conflict Resolution, Selection, Evaluation, Benefit- cost Analysis, Planning & Development, Decision making, Forecasting, Medicine & related field and its application in Choosing a telecommunication system, formulating a drug policy, Choosing a product marketing strategy.



Dr. R. S. Dalu on Data Analysis Tools- AHP & FAHP.

Test session

A Test of 50 marks and 1 Hr. duration was conducted from 11:00 am. Test paper contained objective and descriptive questions.

VALEDICTORY FUNCTION

The closing panel was introduced and moderated by Prof. H. S. Kulat (Assistant Professor in Electrical Engineering Department, PRPCEM, Amravati). The honorable guest was Dr. H. Y. Mohod (Chairman, ISTE, Maharashtra and Goa Circle), Dr. A. R. Mundhada (professor in PRMITR, Badnera). Then he introduced delegates on dies Dr. D. G. Wakade Director of PRPCEM, Dr. S. D. Wakde Principal PRPCEM, Amravati.



The closing panel was introduced and moderated by Prof. H. S. Kulat.

The session "Basics of Technical Research Paper Writing for Indexed Journals" was concluded by speech of **Dr. H. Y. Mohod** (Chairman, ISTE, Maharashtra and Goa Circle). During his speech he focused on What we need to be done for the student's future, that should pre-plan. He encouraged staff for betterment of their future about PhD and higher studies.



Dr. H. Y. Mohod delivering Speech.

for V. G. Gaze
H.O.D. (Mech. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

for.

2790

Certificate

This is to certify that Mr./Ms. Rajesh Pokale

has successfully completed AICTE-ISTE approved Induction/Refresher Programme

" Basics of Technical Research Paper Writing for Indexed Journals " held during

18/6/2018 to 23/6/2018 Organized by P.R.Pote Patil Edu. & Welfare Trust's

Group of Institutions College of Engineering & Management, Amravati, Maharashtra

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati

Advisor, AICTE | Executive Secretary, ISTE | Principal | Program Coordinator

2786

Certificate

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has successfully completed AICTE-ISTE approved Induction/Refresher Programme

" *Basics of Technical Research Paper Writing for Indexed Journals* " held during

18/6/2018 to *23/6/2018* Organized by *P.R.Pote Patil Edu. & Welfare Trust's*

Group of Institutions College of Engineering & Management, Amravati, Maharashtra

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati

Advisor, AICTE *Executive Secretary, ISTE* *Principal* *Program Coordinator*

2785

Certificate

This is to certify that Mr./Ms. Ajay Mahore

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" Basics of Technical Research Paper Writing for Indexed Journals " held during

18/6/2018 to 23/6/2018 Organized by P.R.Pote Patil Edu. & Welfare Trust's

Group of Institutions College of Engineering & Management, Amravati, Maharashtra

Principal
P. R. Pote (Patil)
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Advisor, AICTE | Executive Secretary, ISTE | Principal | Program Coordinator

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Shree Aqua
Kathora Road, Amravati. (Maharashtra)
Mob. No. 91-8275418641, Email- shreeaqua@gmail.com

Ref.: AQ/03 Date: 12/01/17

CONSULTANCY AGREEMENT

This Consultancy Agreement (the "Agreement") is made and entered into this 12/1/2017 (the "Effective Date") by and between Shri Aqua, Amravati and Deptt. Of Electrical Engineering, P. R. Pote (Patil) College of Engineering & Management, Amravati.

WHEREAS, the Company is Shree Aqua, Kathora Road, Amravati the business of Water Purification and Chilling.

WHEREAS, the Consultant named Prof. Atul A. Ghute, Department of Electrical Engineering, PRPCOEM has expertise in the area of Automation and Control.

WHEREAS, the Company desires to engage the Consultant to provide certain services in the area of Consultant's expertise and the Consultant is willing to provide such services to the Company;

NOW, THEREFORE, the Parties hereby agree as follows:

1. Engagement and Services

(a) Engagement. The Company hereby engages the Consultant to provide and perform the Technical services set forth and the Consultant hereby accepts the engagement.

(b) Standard of Services. All Services to be provided by Consultant shall be performed with promptness and diligence in a workmanlike manner and at a level of proficiency to be expected of a consultant with the background and experience that Consultant has represented it has. The Company shall provide such access to its information, property and personnel as may be reasonably required in order to permit the Consultant to perform the Services.

(c) Tools, Instruments and Equipment. Consultant shall provide Consultant's own tools, instruments and equipment and place of performing the Services, unless otherwise agreed between the Parties.

(d) Representation and Warranty. Consultant represents and warrants to the Company that it is under no contractual or other restrictions or obligations which are inconsistent with the execution of this Agreement or which will interfere with the performance of the Services.

2. Consultancy Period

(a) Commencement. This Agreement shall commence on the Effective Date and shall remain in effect until the completion of the Services or the earlier termination of this Agreement as provided in Article 2 (b) (the "Consultancy Period").

(b) Termination. This Agreement may be terminated by the Company, without cause and without liability, by giving 30 calendar days written notice of such termination to the Consultant. This Agreement may be terminated by either Party by giving 15 days written notice of such termination to the other Party.

(c) Effect of Termination. Upon the effective date of termination of this Agreement, all legal obligations, rights and duties arising out of this Agreement shall terminate except for such legal obligations, rights and duties as shall have accrued prior to the effective date of termination and except as otherwise expressly provided in this Agreement.

3. Consultancy Fee and Expenses

(a) Consultancy Fee. In consideration of the Services to be rendered hereunder, the Company shall pay Consultant a Consultancy fee Rs. 10, 000/- for single service provided to the Company.

(b) Expenses. Consultant shall be entitled to reimbursement for all pre-approved expenses reasonably incurred in the performance of the Services, upon submission and approval of written statements and receipts in accordance with the then regular procedures of the Company.

(c) Payment. The Consultant shall submit to the Company a invoice detailing the Services performed during the preceding month and the amount due.

4. Confidential Information

(a) Defined. In this Agreement the term "Confidential Information" shall mean the Work Product and any and all information relating to the Company's business, including, but not limited to, research, developments, product plans, products, services, diagrams, formulae, processes, techniques, technology, firmware, software, know-how, designs, ideas, discoveries, inventions, improvements, copyrights, trademarks, trade secrets, customers, suppliers, markets, marketing, finances disclosed by Company either directly or indirectly in writing, orally or visually, to Consultant. Confidential Information does not include information which:

(i) is in or comes into the public domain without breach of this Agreement by the Consultant,
(ii) was in the possession of the Consultant prior to receipt from the Company and was not acquired by the Consultant from the Company under an obligation of confidentiality or non-use,
(iii) is acquired by the Consultant from a third party not under an obligation of confidentiality or non-use to the Company, or
(iv) is independently developed by the Consultant without use of any Confidential Information of the Company.

(b) Obligations of Non-Disclosure and Non-Use. Unless otherwise agreed to in advance and in writing by the Company, Consultant will not, except as required by law or court order, use the Confidential Information for any purpose whatsoever other than the performance of the Services or disclose the Confidential Information to any third party.
Consultant may disclose the Confidential Information only to those of its employees who need to know such information. In addition, prior to any disclosure of such Confidential Information to any such employee, such employee shall be made aware of the confidential nature of the Confidential Information and shall execute, or shall already be bound by, a non-disclosure agreement containing terms and conditions consistent with the terms and conditions of this Agreement. In any event, Consultant shall be responsible for any breach of the terms and conditions of this Agreement by any of its employees. Consultant shall use the same degree of care to avoid disclosure of the Confidential Information as it employs with respect to its own Confidential Information of like importance, but not less than a reasonable degree of care.

(c) Return of Confidential Information. Upon the termination or expiration of this Agreement for any reason, or upon Company's earlier request, Consultant will deliver to Company all of

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Company's property or Confidential Information in tangible form that Consultant may have in its possession or control. The Consultant may retain one copy of the Confidential Information in its legal files.

5. Non-Publicity

Each of Company and Consultant agree not to disclose the existence or contents of this Agreement to any third party without the prior written consent of the other Party except: (i) to its advisors, attorneys or auditors who have a need to know such information, (ii) as required by law or court order, (iii) as required in connection with the reorganization of a Party, or its merger into any other corporation, or the sale by a Party of all or substantially all of its properties or assets, or (iv) as may be required in connection with the enforcement of this Agreement.

IN WITNESS WHEREOF, and intending to be legally bound, the Parties have duly executed this Agreement by their authorized representatives as of the date first written above.

Signed for and on behalf of
[Prof. A. A. Ghute]

By: Consultant
Name:Prof.A.A.Ghute
Title:

Signed for and on behalf of
[Shree Aqua, Amravati]

SHREE AQUA
Kathora Road,Amravati

By: Company Owner
Name:Ashish Mahalle
Title:

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Shree Aqua

Kathora Road, Amravati. (Maharashtra)
Mob. No. 91-8275418641, Email- shreeaqua@gmail.com

Ref.: AQ/8

Date: 20/

To

Prof.A.A.Ghute

Electrical Engineering department

P.R.Pote(Patil) COE & Amravati

Subject:- Need of Automation of boar well water tank filling and purification plant operation

Dear Sir

We want automatic control of motor used for water storage from boar well. Again we want automatic shutdown of water purification plant after complete filling of storage tank of purified water.

Our motor of boar well is of 2HP rating and machine for purification is of 5HP, so we want 3 phase contactor based on and off control of motors.

Summer season is ahead so we want solution for above said problem within 15 working days.

Please do the needful.

Thanking You

Best Regards,

Mr. Ashish Mahalle

SHREE AQUA
Kathora Road,Amravati

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"Shri Gajanan Maharaj Prasanna"

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institut
College of Engineering & Management, Amravat
Pote Estate, Pote Patil Road, Kathora, Amravati. (Maharashtra)
0721-2530342, 44, 2530089 Fax No.: 0721- 2530341 Email: prpotepatilcollege@gmail.com, website: www.prpatilcollege.c
(Recognized by AICTE, New Delhi & Affiliated to SGBAU, Amravati)

Ref.: PRPCOEM/letter-2017

Date: 22/01

To

Ashish S. Mahalle

Shree Aqua,

Kathora road, Amravati

Subject:- Solution to the technical issue you want to resolve

Dear Sir

As per your letter dated 20-01-17 about we come to know about requirement of automation of two processes. We can provide the solution to automate your two processes. The expected expenditure and consultancy fee is about 25,000/-. Again I will assure you that work will be done on or before 5 of Feb-2017.

Thanking you

Best Regards,

Prof.A.A.Ghute

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Shree Aqua
Kathora Road, Amravati. (Maharashtra)
Mob. No. 91-8275418641, Email- shreeaqua@gmail.com

Ref.: AAG/09 Date: 10/02/17

Appreciation Letter

Prof. A. A. Ghute
P. R. Pote (Patil) COE & Management,
Amravati

Dear sir,

Thank you for providing timely solution for our requirement. I sincerely appreciate the time you spent reviewing our technical issue.

I especially appreciate your efforts for perfect solution for automation of two processes. We are fully satisfied with the working of your product.

Any additional suggestions you may have would be welcome.

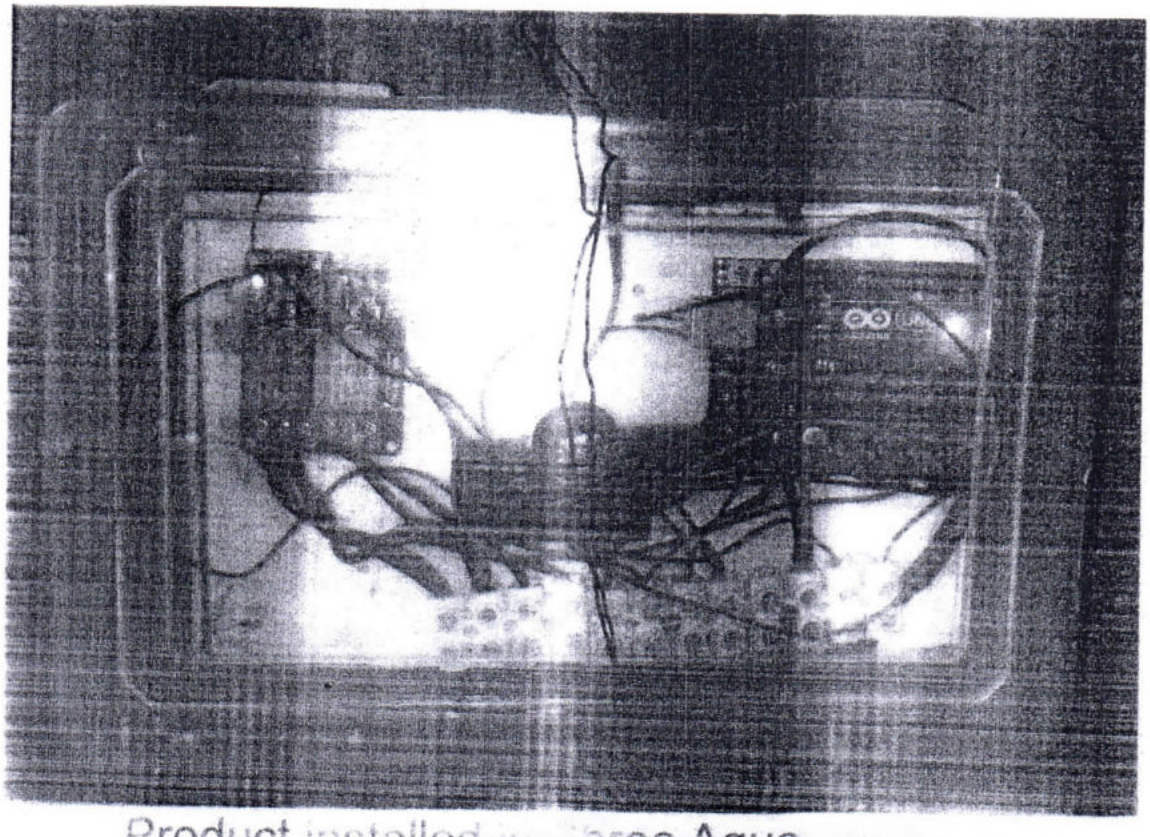
Again, thank you so much for your help.

Best Regards,

Mr. Ashish Mahalle
Shree Aqua, Amravati
SHREE AQUA
Kathora Road,Amravati



On side Photograph with company owner



Product installed in Shree Aqua

One week workshop on ETABS for 4th year students to cover topics beyond syllabus

Venue: Civil engineering department computer lab

Date: 03/07/2017 to 08/07/2017

Time: 11.00am to 4.00 pm

One week workshop on ETABS was arranged for 4th year students of civil engineering department to give knowledge of software which is not introduced in curriculum of university. Workshop was conducted by Prof. S. V. Dhoke in the computer laboratory of civil department. **ETABS** is a programme for linear, nonlinear, static and dynamic analysis, and the design of building systems. From an analytical standpoint, multistory buildings constitute a very special class of structures and therefore deserve special treatment.

In this workshop students learn the the following analysis and design

Sr. No.	Topic
Day-1 : 03 July 2017	
01	Introduction of Structural Analysis & Design Software
02	Analysis of Cantilever, Fixed, Simply Supported Beams and 2D portal frames
Day-2 : 04 July 2017	
03	Analysis and Designing of G+1 Single Room plan for Dead and Live loads
Day-3 : 05 July 2017	
04	Analysis and Designing of G+1 Bunglow for Dead and Live loads
Day-4 : 06 July 2017	
05	Preparation of beam and column Schedule of Day-2 and Day-3 assignment for actual site execution from ETABS results
Day-5 : 07 July 2017	
06	Analysis & Designing of G+3 storey building for Dead and Live loads
Day-5 : 08 July 2017	
07	Test & feedback





H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote (Patil) Welfare & Education Trust's College Of Engineering & Management, Amravati

Department of Civil Enggineering

Date: 03/07/17 to 08/07/17

A.Y.-2017-18 (Final Year)

One week workshop on E-TABS for 4th year

Roll No.	Name of Student	Sign. of student
401	KU AACHAL V. DHAWANE	
402	KU ANKITA PRAYIN BOBADE	
403	KU ANTARIKA SUKHDEO ADE	
404	KU ASHWINI N. VANDE	
405	KU BHARTI PRAKASH NIKHAR	
406	KU DHANSHRI S. BAGDE	
407	KU DNYANESHWRI A. HATWAR	
408	KU KIRAN GAJANAN BHADE	
409	KU MINAKSHI V. THOMBARE	
410	KU NEELAM G. GONDCHOR	
411	KU PAYAL RAMDAS SHRIRAO	
412	KU POOJA VINAYAKRAO ZODE	
413	KU PRANJALI UMESH RATHOD	
414	KU PRITI S. SAMBHE	
415	KU PRIYANKA V. DHEWALE	
416	KU RADHIKA SANJAY HEDAU	
417	KU RIDDHI N. DESHMUKH	
418	KU ROHINI VIJAYRAO WAGHAVE	
419	KU ROOPALI P. DESHMUKH	
420	KU RUTUJA YUVRAJ MALKHEDE	
421	KU SARITA VASUDEO BATHE	
422	KU SHIVANI C. VIKHE	
423	KU SHUBHRAVI M. AKOTKAR	
424	KU SHWETA M. KHANDEKAR	
425	KU SMITA R. MANEKAR	
426	KU SONALI DINESH BHANAGE	
427	KU TEJAL VILASRRO THAKARE	
428	KU VAIDEHI P. SHEWATKAR	
429	KU VAISHNAVI A. JAISWAL	
430	KU VAISHNAVI NITIN DATIR	
431	KU VAISHNAVI SATISH BHERDE	
432	KU VAISHNAVI SHARAD KORDE	
433	ADITYA PRAKASH PATIL	
434	ADITYA RAJENDRA THAKARE	
435	AKASH RAMDAS PAWAR	
436	AKSHAY C. DHAWALI	
437	AKSHAY NITIN KUTE	
438	AKSHAY RAMESHLAL KARNANI	
439	ANKUSH ARUN MESHRAM	
440	ARJUN P. CHAUDHARI	
441	ASHAY S. SHAMBHARKAR	
442	DEEPAK RAJENDRA WATH	

P. R. Pote (Patil) Welfare & Education Trust's College Of Engineering & Management, Amravati

Department of Civil Enggineering

A.Y.-2017-18 (Final Year)

Roll No.	Name of Student	Sign. of student
443	GAURAV VASANT BADHE	
444	KUSHAL R. PANDEY	
445	NISHANK RAJKAMAL JAISWAL	
446	PANKAJ JITENDRA SHARMA	
447	PIYUSH BALABHAU THOKANE	
448	PIYUSH PURUSHOTTAM GALE	
449	PRAMOD BHAGWANT MORALE	
450	PRANAV NARENDRA GAWANDE	
451	PRANAV VIJAY DALAL	
452	PRASHANT ARUNRAO NIMJE	
453	ROHIT RAJKUMAR PATEL	
454	ROUNAK RAJENDRA KALMEGH	
455	RUSHIKESH GOPALRAO KONDE	
456	SAURABH C. TAKALKAR	
457	SHUBHAM M. CHINCHOLKAR	
458	SWAPNIL MAHADEVRAO POTE	
459	SWARAJ S. VYAWAHARE	
460	TUSHAR ISHWARDAS JANE	
461	VAIBHAV R. MALWAR	
462	VAIBHAV RAMESHRAO VEOKAR	
463	VINAY VILDS ANASANE	
464	VISHAL R. BHAGVATKAR	
465	VRUSHABH G. BHARSAKLE	
466	YASH SANJAY CHANDAK	
467	YOGESH GAJANAN TADE	

H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

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Session 2017-18

6.2.1 Quality improvement strategies adopted by the institution for each of the following

Sr. No.	Particulars	Name of Department	Page No.
1.	AQAR cover page	--	188
2.	Industry interaction	EXTC	189-196
		EXTC	197-199
		EE	200-203
		CSE	204-210
		CSE	211-214

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution

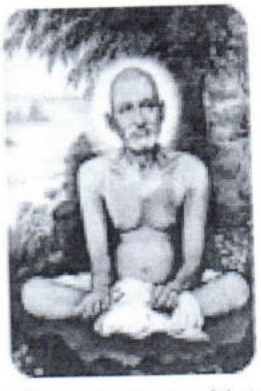
Industry Interaction

Sr. No.	Name of the Industry	Location	No. of Students Visited	Year
1	Electronics Test and Development Centre, Mohali	B-108, Phase 8, Industrial Area, Sahibzada Ajit Singh Nagar, Punjab 140308	28 (EXTC)	2017-18
2	The Semi-Conductor Laboratory, Mohali (SCL)	Department of Space, Govt. of India, Phase 8, Industrial Area, Sector 73, Sahibzada Ajit Singh Nagar, Punjab 160071	28 (EXTC)	2017-18
3	JAY BEE Industry	Chandigarh and Manali	93 (EE)	2017-18
4	Vikram Sarabhai Space Centre (VSSC) , ISRO	Trivendram	78 (CSE)	2017-18
5	Spectram Pvt. Ltd	Mumbai	83 (CSE)	2017-18

P. R. Pote Patil Education & Welfare Trust's, Group of Institutions,

College of Engineering & Management, Amravati

Our Guiding Spirit



Shri Sant Gajanan Maharaj

Our Inspiration

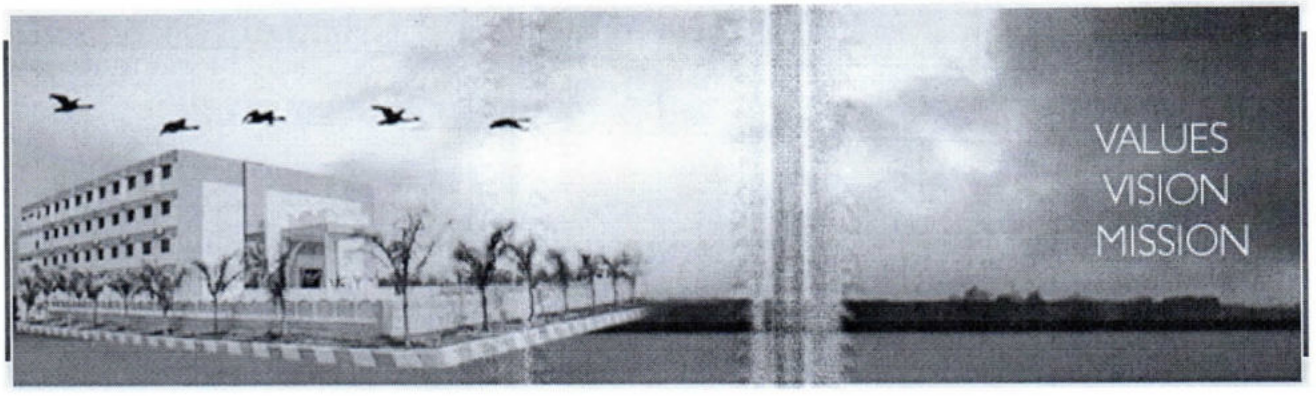


Swami Vivekanand

Industrial Visit Report

14th to 22nd DEC, 2017-18

Department of Electronics & Telecommunication Engineering
P. R. Pote Patil Education and Welfare Trust's College of Engineering & Management,
Pote Estate, Kathora Road, Amravati, M.S.(444601)



The department of Electronics & Telecommunication Engineering had structured an Industrial visit to **Electronics Test and Development Centre (ETDC), Mohali and Semi-Conductor Laboratory (SCL), Mohali** for Third Year Students.

The visit was organized with the prior permission and guidance of Hon. Principal **Dr. S. D. Wakade** and **Prof. R. D. Ghongade,** Head Of the Department, Department of Electronics & Telecommunication Engg. Along with the staff members, students had taken hard efforts and initiative under the continuous guidance of Industrial Visit in-charge of Electronics Department Prof. **B. R. Mankar** which made this visit a success.

The visit was organized with prior permission of **Electronics Test and Development Centre (ETDC), Mohali and Semi-Conductor Laboratory (SCL), Mohali**

Companies Visit & Summary

Electronics Test and Development Centre, Mohali

Electronics Test and Development Centre, Mohali popularly known as ETDC Mohali, is one of leading laboratory of STQC Directorate , Ministry of Electronics and Information Technology , Government of India engaged primarily in providing Accredited Calibration and Testing facilities . It is one of the ETDC set up to serve small and medium scale electronic industries located in India. ETDC Mohali serves the industries located in northern India with an aim of upgrading the overall quality of electronics products manufactured in India.

The centre is specifically oriented to assist small / medium Enterprises (SME) to provide the following services:

- Test facilities for various electronic products under development / production.
- Calibration facilities for electronic test equipments in use by the industries.
- Developmental assistance and improvement of Quality and Reliability of electronic products.
- Environmental test facilities like high humidity, high low temperature, Salt, corrosion etc.

The scientists working in ETDC have been trained and certified by National / International Institutes in their respective work areas. Facilities at ETDC are augmented every year keeping in view the local industry requirements and technological transactions.

The testing of various products and systems to assure the quality, safety, and security is a measurement assurance practice, to verify the compliance to the international and national specifications.

National Accreditation Board (NABL) has accredited services rendered by the ETDC for Test and Calibration Laboratories.

Recognitions / Accreditations:- The testing and calibration services of ETDC Mohali are accredited by National Accreditation Board for Laboratories (NABL) as per the details listed below:

NABL Accreditation Certificate- Electrical Testing
NABL Accreditation Certificate- Electronics Testing
NABL Accreditation Certificate- Electro-Technical Calibration
NABL Accreditation Certificate- Thermal Calibration
NABL Accreditation Certificate- Mechanical Calibration

Key Areas of Services offered to Industry:-

Testing

Service Area	Category	Sub Category
Testing	**Electronics and Electrical Systems Testing**	➢ **Equipment System Testing** ➢ **Environmental Testing**

Calibration

Service Area	Category
Calibration	**Electro Technical Calibration**
	Non Electrical Calibration

Interaction of Students with Company MD

Modules Discussed:-

- Introduction to ETDC through a presentation
- An insight and overview of the Testing and Calibration.
- Storage and temperature maintenance.
- An insight into the company policies and structure
- Concluded with Interaction Session i.e. Question and Answer Hour

Semi-Conductor Laboratory, Mohali

The Semi-Conductor Laboratory, Mohali (SCL) is a research institute of the Department of space, Government of India. It aims include research and development in the field of semiconductor technology. SCL had its origin as the semiconductor Complex Limited, a public sector undertaking of the Government of India. It came under the administrative control of Department of Space in March 2005 and has since undergone organizational restructuring to become focused on research and development. The society was registered in November 2005. SCL is a society under the Department of Space with the main objective to undertake, aid, promote, guide and coordinate the R&D in the field of semiconductor technology, Micro-Electro-Mechanical Systems (MEMS) and process technologies relating to semiconductor processing 6" wafer fab. SCL has over the years developed and supplied a number of key VLS's , majority of which have been Application Specific Integrated Circuits (ASIC's) for high reliability applications in industrial and space sectors . Steps have been initiated to upgrade the facilities to fabricate devices in 0.25 micron or better technology.

Vision:-

- Create a strong R&D bas e in the country in the field of microelectronics .
- Design & Development of devices in cutting edge technology.
- Manufacture VLSI/ MEMS based systems & sub-systems.
- Transform SCL as a Centre of Excellence in Microelectronics in the country.

Module Discussed:-

- Introduction to the SCL Company.
- A brief discussion about the company with one of the department heads.
- An idea about the company's organizational structure and hierarchy.
- Interactive Question and Answer Session.

Objectives:-

- It help students gain first hand information regarding functioning of the industry.
- Provides an insight into the real working environment of the industry.
- Helps them to see their future place in the working world.
- Helps to enhance their interpersonal skills and communications.
- Helps to understand the do's and don'ts of the industrial practice.

Conclusion:-

Involving the class at all stages of the industrial visit motivates the students and helps them take full advantage of all learning opportunities presented. It also brings a dimension to student's education, which they cannot gain in the classroom as well as helping to make connections between the different aspects of their educational experience.

Student's Feedback

Industrial visit to Electronics Test and Development Centre (ETDC), Mohali and Semi-Conductor Laboratory (SCL), Mohali was organized by P. R. Pote (Patil) college of Engineering & Management, Amravati for Third Year Students of Department of Electronics & Telecommunication Engineering.

We are sure that this visit will help us in our future practical life and bring a positive change in our thinking and practical behavior regarding Education and specially Engineering.

We, the Students of Third Year, Department of Electronics & Telecommunication Engineering, were extremely thankful to Hon. Principal, Dr. S. D. Wakade and Prof. R. D. Ghongade, H.O.D., Department of Electronics & Telecommunication Engineering. We would like to specially thank Prof. B. R. Mankar, Coordinator of this industrial visit and all staff & student coordinators for providing a full-fledged support in all aspects during the entire visit.

Regards,

Department of Electronics & Telecommunication Engineering

P. R. Pote Patil Education and Welfare Trust's College of Engineering & Management,

Pote Estate, Kathora Road, Amravati, M.S. (444601)

Prof. B. R. Mankar

H.O.D. (EXTC Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

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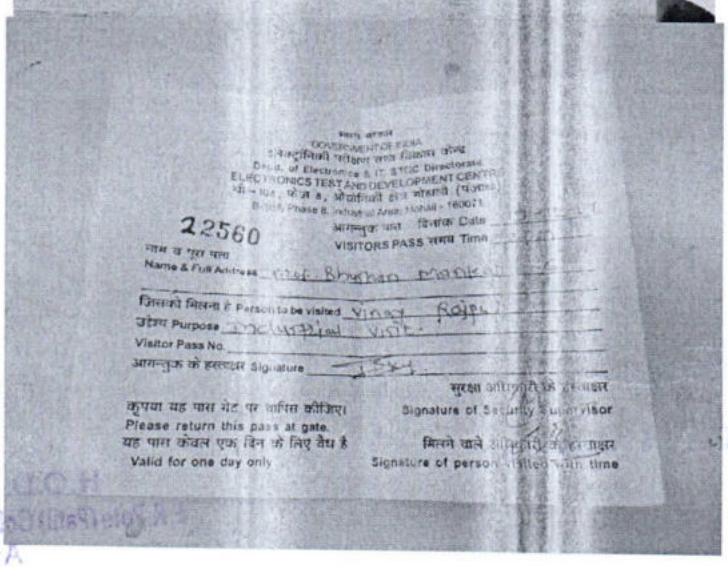

भारत सरकार
GOVERNMENT OF INDIA
इलेक्ट्रॉनिकी परीक्षण तथा विकास केन्द्र
Deptt. of Electronics & IT, STQC Directorate
ELECTRONICS TEST AND DEVELOPMENT CENTRE
पी – 104, फेज 8, औद्योगिकी क्षेत्र मोहाली (पंजाब)
B-104, Phase 8, Industrial Area, Mohali - 160071

22560

आगन्तुक पास दिनांक Date
VISITORS PASS समय Time

नाम व पूरा पता
Name & Full Address Prof. Bhushan Mankar

जिसको मिलना है Person to be visited Vinay Rajpu

उद्देश्य Purpose Industrial Visit

Visitor Pass No.

आगन्तुक के हस्ताक्षर Signature

सुरक्षा अधिकारी के हस्ताक्षर
Signature of Security Supervisor

कृपया यह पास गेट पर वापिस कीजिए।
Please return this pass at gate.
यह पास केवल एक दिन के लिए वैध है
Valid for one day only

मिलने वाले अधिकारी के हस्ताक्षर
Signature of person visited with time

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"Shri Gajanan Maharaj Prasanna"

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions,
College of Engineering & Management, Amravati
(Recognized by AICTE, New Delhi, DTE, Mumbai & Affiliated to SGBAU, Amravati)
Pote Estate, Pote Patil Road, Kathora, Amravati. (Maharashtra)
Ph. No. 0721-2530342, 44, 2530089 Fax No. : 0721-2530341
Email : prpotepatilcollege@gmail.com

Ref. : PRPCOEM/Indu.visit/1927/2017-18 Date : 13/12/2017

TO WHOMESOEVER IT MAY CONCERN

This is to authenticate that the institute has approve an **Industrial Visit to Manali-Amritsar- Chandigarh** for the students of **P. R. Pote (Patil) College of Engineering & Management, Amravati, Maharashtra**. We are total 62(56 Students + 6 Faculty Members) in number. The dates for the same are from 14/12/2017 to 23/12/2017.

The students are from Third year pursuing a Bachelor of Engineering Course in **Electronics & Telecommunication Engineering & Mechanical Engineering**.

Mr. Pawan Deshmukh (09987830007/09665723163) of Fly Elevation Holidays, Mumbai has been authorized to organize the industrial tour of our institute.

Request your kind cooperation.

Regards,

Dr. Mrs. S. D. Wakade
Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.
On Behalf of the InstituteAuthorized Signatory.
Date: 13/12/2017

P.R. Pote (Patil) Edu. & Welf. Trust's Group Code-1407 AMRAVATI

Dr. S. G. Fale
H.O.D.
H.O.D. (Mech. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

Prof. R. D. Ghongade
for **H. O. D.**

P.R. Pote (Patil) Edu. & Welf. Trust's Group of Institutions, College of Engineering & Management, Amravati
Department of Electronics & Telecommunication Engg.

Industrial Tour (Manali--Amritsar--Chandigarh) 14th to 21st December 2017 Students Details

sr	Name	Phone No.	Parents. No.	Address
1	Aboli Wagh	8180990287	7829851102	Shikshak colony,tower line, Amravati-444604.
2	Komal Dhawak	8805456431	8805884942	At+Post-Ladegaon, Tq-Karanja,Dist-Amravati. Pin Code-444104.
3	Prachi Jamneakr	8605492280	9766523263	shivaji nagar,paratwada-444806.
4	Ankita Nathe	9561273906	9604401300	At+Post-Ambapeth, Tq-Anjangaon Surji,Dist-Amravati. Pin Code-444705.
5	Prachi Dongardive	9403226853	9869805635	Behind rangoli lawn, navjivan colony, Kathora road,Amravati-444604.
6	Vaishnavi Sarode	8412884679	9860465170	Quarter no-e/163/6, urja nagar colony ,chandrapur.
7	Vishakha Ramteke	8625041358	8806293936	At+Post-Rahatgaon Plot,Dist-Amravati.Pin Code-444603.
8	Tisel Surendran	7387713785	9665104116 9623107274	Block No. 729, Township No. 4, Pote Estate, Kathora, Amravati Pin Code-
9	Vaishnavi Sawarakr	9404857685	9404857685	26 Suraj Sadan,Ram Nagar,Teacher Colony,Dist-Amravati. Pin Code-444606.
10	Supriya Bhele	7447263142	9604939643	At. Post Ambada, Tal. Morshi
11	Yogita Bele	8329750554	9730774095	Shrikrishna Peth, In front of Telephone Exchange Morshi, Amravati
12	Shweta Pande	7875978592	9960587911	At+Post-Gurudev Nagar,Narayanpur, Tq-Paratwada,Dist-Amravati. Pin Code-444805.
13	Tejaswini Thakare	9850606275	9096540331	Supalwada, Tal. Chandur Rly, Dist. Amravati
14	Piyush Wadatkar	9561228295	9763350611	At-post-Daryapur,Tq-Daryapur,Dist-Amravati.
15	Pranav Thakakre	9403173898	9403173899	At. Hanuman Nagar, Tq- Morshi,Dist-Morshi. Pin Code-444905.
16	Rohit Gadpal	7721065813	9326320655	Pravin nagar,behind V.M.V. college, Amravati-444604.
17	Suraj Thakare	8805683092	9657483583	At. Isapur, Post. Kolha, Tq. Achalpur, Dist. Amravati Pin Code-444808.
18	Ravindra Thombre	9096027858	9096573158	At+Post-Bajrang Chaouk, Wadegaon, Tq-Balapur,Dist- Akola. Pin Code-444502.
19	Kunal Rathi	8600861575	7719027404	At+Post-Borgaon (tU), Tq-Ashti,Dist-Wardha. Pin Code-442202.
20	Yash Sonone	~~8180002096~~ 9112310577	8180002096	Bramhan sabha ,deshpande plot,Paratwada.
21	Shubham Pawade	9623924686	8390360838	Palaswadi Police Line, Tq. Darvha, Dist. Yavatmal Pin Code-445001.
22	Bhushan Wankhade	9689459603	7887387207	Mothi Umri, Vitthal Nagar, Akola
23	Kalpesh Nagdevtekar	8888495267	9226406309	Shindhi Camp, Kailas Tekadi Akola.
24	Shamik Khan	9623544695	9823577640	Ward no. 2, At Post Ghodegaon, Tal Telhara. Dist Aola

25	Saurabh Dhoke	8856910321	7620258094	Near Nag Mandir, Mahadevpra, Wardha
26	A Gawande	8308213631	7083190034	At+ Post-chinchagaon, Tq-Ner, Dist-Yavatmal. Pin Code-445102.
27	Shubham Chore	9730459259	9860434458	At+post-Yeoda, Tq-Daryapur, Dist-Amravati-444706.
28	Uday Saiwan	9823914144	9767670771	Bramanpura,near old post office,Tahsil road,Anjangaon surji-444705.
29	Prof. Bhushan R. Mankar	9766938190	9975363484	Budhawara, Amravati-444601
30	Prof. Aniket R. Pawade	9028118134	9403389706	Krushak Colony, Near Prashant Nagar, Amravati
31	Prof. S. Tingne	7709938184		

Girls:	*13*
Boys:	*15*
Faculty:	*03(02 gents + 01 Lady)*
Total:	*31*

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Industry Interaction (2017-18)

JAY BEE Industry, Chandigarh and Manali



On 12th Dec-19th Dec 2017the industrial visit was arranged at JAY BEE Industry, Chandigarh and Manali. That was a transformer manufacturing compony.The visit was arranged for third year students of Electrical Engg. Department.It was a great opportunity for the students to compare their theoretical learning's with actual industrial practices. The student's response at the plant visit was really appreciated by the engineers at the plant.

Head of Department
H.O.D. (Elect. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P.R.Pote (Patil)College of engineering & Management, Amravat
Department of Electrical Engineering
Session 2017-18
List of students visited JAY BEE Industry, Chandigarh

Sr.No.	Name of student	Year	Shift	Company Name
1	ABHIJEET DHONDIBA BHANGE	Third	I	
2	ADITYA SUNILRAO SARODE	Third	I	
3	AJINKYA ANIL BHARDE	Third	I	
4	AKSHAY BALKRUSHNA DHOKE	Third	I	
5	AMOL RAMESHRAO IRAPACHI	Third	I	
6	ANIKET AVINASH WANKHEDE	Third	I	
7	ANKUSH KULAT	Third	I	
8	BHAVESH R. BELSARE	Third	I	
9	BHUSHAN GANESH KHUPSE	Third	I	
10	CHAITALI SUNIL LIPNE	Third	I	
11	CHAITANYA TADE	Third	I	
12	CHANCHAL ATMARAM PATIL	Third	I	
13	CHETAN RAMESHWAR LANDE	Third	I	
14	DAMINI BHAIYYA CHAKVE	Third	I	
15	DIPIKA PRAKASH KOVE	Third	I	
16	HARSHAL WAGH	Third	I	
17	HARSHAL PRADEEP KURSANGE	Third	I	
18	HARSHAL W. NANDURKAR	Third	I	
19	KAUSTUBH MANOJ WANKHADE	Third	I	
20	KETKI PRAFULRAO BHUYAR	Third	I	
21	KIRTI RAVINDRA KALSKAR	Third	I	
22	KU .MEENA GAJANAN DHOTE	Third	I	
23	KUNAL .ARUN.SHAMBHARKAR	Third	I	
24	LAXMI MANOJ DHOTE	Third	I	
25	MANGESH SARANGDHAR HAGE	Third	I	
26	MOHINI VIJAY BHANNARE	Third	I	
27	NEHA VINOD PANDIT	Third	I	
28	PARMESHWAR G. WANKHEDE	Third	I	
29	PAYAL HIMMATRAO UMAP	Third	I	
30	PAYAL ONKARRAO JAMTHE	Third	I	

31	POOJA SANJAYRAO SULTANE	Third	I
32	PRAFUL RAJENDRA PATURDE	Third	I
33	PRAGATI NAJUK INGALE	Third	I
34	PRANAY BANSOD	Third	I
35	PRITESH C. ATHAWALE	Third	I
36	PRIYA W. WANKHADE	Third	I
37	PRIYA W. WANKHADE	Third	I
38	PRIYANKA N. SATRAMWAR	Third	I
39	RAJANI RAVINDRA KALE	Third	I
40	RUSHIKESH D. POHOKAR	Third	I
41	SAGAR ASHOK KESWANI	Third	I
42	SAKSHI R KHAIRE	Third	I
43	SANKET J. KHALOKAR	Third	I
44	SAYALI DILIPRAO DOK	Third	I
45	SHYAM RAJESH SURPATNE	Third	I
46	SHIVAM SHIRBAHADURKAR	Third	I
47	SHUBHAM RAJESH MURAI	Third	I
48	SHUBHAM NILKANTH INGLE	Third	I
49	SUGRAM PANDURANG KADAM	Third	I
50	SUJATA GAJANAN PAWAR	Third	I
51	SUMIT VILAS WASNIK	Third	I
52	TUSHAR SUBHASH KAPGATE	Third	I
53	VISHAL DINKAR UMALE	Third	I
54	VISHAL RAMCHANDRA WANI	Third	I
55	YOGESHWARI DILIP SARATKAR	Third	I
56	AAYUSH SUNIL PARASHAR	Third	I
57	AKASH P. MALODE	Third	I
58	AJKASH RATHOD	Third	I
59	AKASH RAVIN BOCHARE	Third	I
60	AKASH SUNILRAO GADGE	Third	I
61	AKSHAY HIMMATRAO WANGE	Third	I
62	AKSHAY S. KHANDE	Third	I
63	AKSHAY VINODRAO SARNAIK	Third	I
64	ANIKET VINOD WANKHADE	Third	I
65	ANKIT SANJAY THAKARE	Third	I

JAY BEE Industry,
Chandigarh

66	ANKITA S. SHEWALE	Third	I	
67	CHANDAN J. YADAV	Third	I	
68	CHETAN D. WARGANTIWAR	Third	I	
69	CHETAN S. DHANWATE	Third	I	
70	GAURI SURESH BEDARKAR	Third	I	
71	HASEENUDDIN QAZI	Third	I	
72	KALYANI D. SAGANE	Third	I	
73	KULDEEP H. VERULKAR	Third	I	
74	KULDIP ASHOK UGALE	Third	I	
75	MANISH VYAVHARE	Third	I	
76	Mr.SNEHAL P. KHURPADE	Third	I	
77	MRUNAL ASHISH RADKE	Third	I	
78	MRUNAL KISHOR HANMANTE	Third	I	
79	NIKITA GAJANAN GAWHALE	Third	I	
80	NISHANT R. DONGARE	Third	I	
81	PANKAJ SUBHASH WAROKAR	Third	I	
82	PRITAM MADANRAO THAKARE	Third	I	
83	PRITI RANGNATH TONDE	Third	I	
84	PURWAJA C. CHAVHAN	Third	I	
85	ROHINI SUNIL NARKHEDE	Third	I	
86	RUCHIRA KURALKAR	Third	I	
87	RUSHIKESH VIJAY SHEWALE	Third	I	
88	SARANG S. RAUT	Third	I	
89	SAURABH MISAR	Third	I	
90	SHUBHAM PRAKASH AMTE	Third	I	
91	SHUBHAM S. CHOUDHARI	Third	I	
92	SONALI SANTOSH CHAVAN	Third	I	
93	SUJWAL P. WARHEKAR	Third	I	

HoD Electrical Engg. Department

HOD (Elect. Dept.)
P.R. Pote (Patil) College of Engg. & Management
Amravati.

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INDUSTRIAL VISIT REPORT
OF
DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING
PRPCEM, AMRAVATI
(3RD YEAR CSE)
(14TH DECEMBER 2017 – 23RDDECEMBER 2017)



The department of Computer science and Engineering, P. R. Pote (Patil) College of Engineering organized a Industrial visit to **Vikram Sarabhai Space Centre (VSSC), Tiruvanantpuram, the lead ISRO centre** for B.E Computer science and Engineering students.

The visit was organized with the prior permission and guidance of Hon. Principal **Dr. S. D. Wakde** and HOD of CSE Department **Prof. V. B. Gadicha** along with the staff members, students of B.E CSE specially **Ajinkya Mahajan, Jatin Basin, Shamali Paradakhe, Saurabh Rewade** have taken hard efforts and initiative under the continuous guidance of Industrial Visit in-charge of CSE Department **Prof. S. S. Sagane** which made this visit a grand success.
Prof. A. P. Date, Prof. A. R. Ladole, Prof. K. K. Chhajed , Prof. S. R. Kale teaching faculty of CSE department accompanied with this industrial visit.

Total **78** students of class 3rd year section A&B (CSE) along with **5** faculty members have joined this industrial visit.

The details of Industrial Visit are as follows:-

Day 1:

1. We started traveling from Amravati Station to Wardha Station, By Train (Jabalpur Express) at 5:45pm on 14thDec 2017. Then we have the train, Gangakaveri Express from Sevagram to Chennai Central.

Day 2:

1. At 6:00 pm, we reached at Chennai Central, had dinner and board the next train to Cochin (Ernakulam) at 9:15 pm.

Day 3:

1. AT 10:15 AM reached to Ernakulam, checked in to the hotel named Center Point (Tribo), had breakfast there and visited St. George Church, Lu-Lu Mall, Marin drive.
2. We had dinner and stay in hotel.

Day 4:

1. Took breakfast and checked out from Hotel.
2. We proceed for Alleppey. After beautiful experience of boating at Alleppey , we started journey for Munnar and visited Spice Garden in way.
3. We stayed at Hotel Blue Haze.

Day 5:

1. After breakfast we checked out from hotel.
2. Visited Elephant Park, Dam , Echo Point, Rose Garden. Had time for shopping.
3. Had some snacks. Again visited hotel Blue Haze and had dinner there.
4. Left the hotel for overnight journey towards Kovalam.

Day 6:

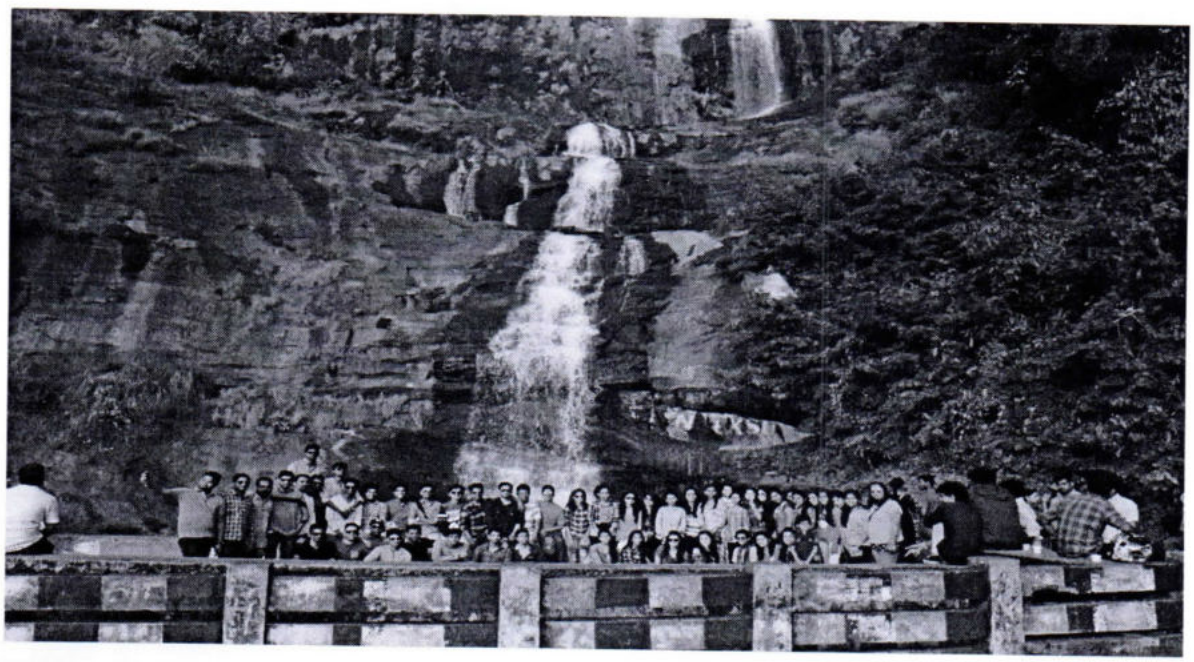
1. We reached Kovalam at 7 am. We stayed in Hotel Puja Samudra Ayurveda Beach Resort, Kovalam.
2. At 8:23 am we visited nearby beach and returned to the hotel by 10:30 am.
3. Had a lunch at hotel.
4. Visited Powar Island at 3:00 pm.
5. Returned to the hotel and had dinner.

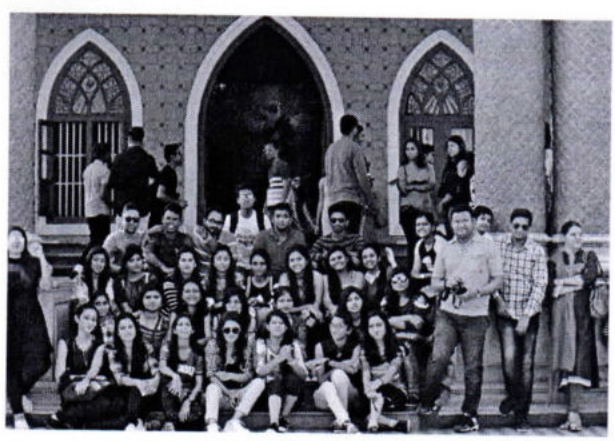
Day 7:

1. Had breakfast at hotel.
2. Visited Vikram Sarabhai Space Centre (VSSC), Tiruvanantpuram, the lead ISRO Centre.
3. Visited Museum, a short film , DR. APJ Kalam's Office, control room.
4. Then we attended the launch of SLV at 11:45.
5. Left the Space Centre at 12:30 pm.
6. Visited Zoo at 2:00 pm. Visited Padmanabham Temple, Shopping time.
7. Returned to the hotel and had dinner.

Day 8:

1. Visited light house at 5:00 am.
2. Had breakfast and checked out from hotel.
3. Visited Lotus Temple at 12:00 pm.
4. Reached to Station at 2:30 pm.









Vikram Sarabhai Space Centre (VSSC) is the lead Centre of Indian Space Research Organization (ISRO) under the Department of Space (DOS), Government of India. The Centre is named in fond memory of Dr Vikram A Sarabhai, the great visionary and the father of Indian Space Program. VSSC pioneers in rocket research and launch vehicle projects of ISRO. The Centre also pursues research and development activities in associated areas like propellants, solid propulsion technology, aerodynamics, aero structural and aero thermal fields, avionics, polymers and composites, guidance, control & simulation, computer and information, mechanical engineering, aerospace mechanisms, vehicle integration and testing, space ordnance, chemicals and materials. Systems reliability and quality assurance of all aspects of engineering and operations are studied and evaluated to the levels of perfection required in each field. Program planning and evaluation, technology transfer and industrial coordination, indigenization, human resources development, safety and personnel and general administration groups support the Centre for all its activities.

Vikram Sarabhai Space Centre (VSSC)

Address:

Vikram Sarabhai Space Centre,
Thiruvananthapuram,
Kerala, India, Pin Code:695022
Phone no: 0471- 2564292
Fax no: 0471- 2564060
Director: Shri S. Somanath
Email: director@vssc.gov.in

List of Staff Members for visit

1	Prof. S. S. Sagane Chief Co-ordinator (Industrial Visit)
2	Prof. A. P. Date
3	Prof. A. R. Ladole
4	Prof. K. K. Chhajed
5	Prof. S. R. Kale

List of Students for visit

Sr No.	Student Name	Gender	Sr No.	Student Name	Gender
1	Ku. Shubhangi M. Tiple	F	41	Aditya M. Diwate	M
2	Ku. Pooja S. Kulwal	F	42	Ajinkya V. Mahajan	M
3	Ku. Vibhuti A. Pathare	F	43	Jatin S. Bhasin	M
4	Ku. Tejaswini Balpande	F	44	Swapnil K. Pawar	M
5	Ku. Aishwarya A. Korde	F	45	Pratik R. Khandpasole	M
6	Ku. Rupeksha G. Hulke	F	46	Ketan Puraswani	M
7	Ku. Sukruti S. Dhagekar	F	47	Pratik M. Gajbhiye	M
8	Ku. Rachana R. Kapse	F	48	Saurabh R. Amle	M
9	Ku. Rutuja R. Nimkar	F	49	Sarang S. Khadatkar	M
10	Ku. Pratiksha P. Ingole	F	50	Nicky R. Molke	M
11	Ku. Raksha V. Yesankar	F	51	Shreyash K. Khapre	M
12	Ku. Bhavana A. Hage	F	52	Saurabh S. Rewade	M
13	Ku. Vaishanvi Kakad	F	53	Abhiraj V. Thawali	M
14	Ku. Suchita Bharti	F	54	Mrunal D. Dhanvij	M
15	Ku. Kalyani C. Mirge	F	55	Abhijit A. Ande	M
16	Ku. Payal Chaudhari	F	56	Soham R. Parmar	M
17	Ku. Shamali S.Paradakhe	F	57	Parag G. Satav	M
18	Ku. Rahi S. Dabhane	F	58	Akshay D. Chaudhary	M
19	Ku. Priyanka S. Lodh	F	59	Mahesh S Deoghare	M
20	Ku. Pallavi G. Patinge	F	60	Prafulla A Jadhav	M
21	Ku. Monika A. Jaware	F	61	Pravin M Chavan	M
22	Ku. Neha K. Marganwar	F	62	Shyam D Gawande	M
23	Ku. Sakshi Bonte	F	63	Sushrut B Wadnerkar	M
24	Ku. Avanti Deshmukh	F	64	Ashish Bardia	M
25	Ku. Nivedita Gawande	F	65	Mohammad Zubair Md Yusuf	M
26	Ku. Rutuja Kalmegh	F	66	Vikas S Raibole	M
27	Ku. Vaishnavi Girnase	F	67	Ratnadip S Mondhe	M
28	Ku. Aditi Deshmukh	F	68	Rohit S Kale	M

29	Ku. Neha S. Chhangani	F	69	Shoyeb Galib Mohammad	M
30	Ku. Aishwarya Anilpant Korde	F	70	Suraj Suresh Kurhade	M
31	Ku. Vibhuti Arvind Pathare	F	71	Jayesh Yadavrao Mehare	M
32	Ku. Smita Sanjayrao Yawale	F	72	Sanket Kailash Gawande	M
33	Ku. Prerana H. Chitlange	F	73	Shubham Gajanan Sabale	M
34	Ku. Rupeksha G Hulke	F	74	Amit Kailashrao Gajare	M
35	Ku. Priyanka S Shikare	F	75	Sanket Rajkumar Tale	M
36	Ku. Ankita M Thakre	F	76	Mahesh Khushal Manvatkar	M
37	Ku. Divyani h Bhirad	F	77	Akashdip Milind Wankhade	M
38	Ku. Anushri Awdhut Shirbhate	F	78	Nikhil Mahesh Dongare	M
39	Ku. Tejaswi Manoj Pote	F			
40	Ku. Kiran Vilas Dakare	F		**Girls**	**40**
		F		**Boys**	**38**
				Total	**78**

H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

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Industrial Visit Report

Spectrum Pvt. Ltd. in Kochi

Department of Computer science and Engineering, P. R. Pote (Patil) College of Engineering & Management, Amravati organized a Industrial visit to **Spectrum Pvt. Ltd. in Kochi**, its headquarter in **Mumbai** for B.E Computer Science and Engineering students.

The visit was organized with the prior permission and guidance of Hon. Principal Dr. S. D. Wakde and HOD of CSE Department Prof. V. B. Gadicha along with the staff members, students of B.E CSE specially Ajinkya Mahajan, Jatin Basin, Shamali Paradakhe, Saurabh Rewade have taken hard efforts and initiative under the continuous guidance of Industrial Visit in-charge of CSE Department Prof. S. S. Sagane which made this visit a grand success. Prof. A. P. Date, Prof. A. R. Ladole, Prof. K. K. Chhajed , Prof. S. R. Kale teaching faculty of CSE department accompanied with this industrial visit. Total 84 students of class 3 rd year section A& B (CSE) along with 5 faculty members have joined this industrial visit.

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Photo with Company Employees



Company Building Photo

List of Staff Members for visit

1	Prof. S. S. Sagane Chief Co-ordinator (Industrial Visit)
2	Prof. A. P. Date
3	Prof. A. R. Ladole
4	Prof. K. K. Chhajed
5	Prof. S. R. Kale

List of Students for visit

Sr No.	Student Name	Gender	Sr No.	Student Name	Gender
1	Ku. Shubhangi M. Tiple	F	41	Aditya M. Diwate	M
2	Ku. Pooja S. Kulwal	F	42	Ajinkya V. Mahajan	M
3	Ku. Vibhuti A. Pathare	F	43	Jatin S. Bhasin	M
4	Ku. Tejaswini Balpande	F	44	Swapnil K. Pawar	M
5	Ku. Aishwarya A. Korde	F	45	Pratik R. Khandpasole	M
6	Ku. Rupeksha G. Hulke	F	46	Ketan Puraswani	M
7	Ku. Sukruti S. Dhagekar	F	47	Pratik M. Gajbhiye	M
8	Ku. Rachana R. Kapse	F	48	Saurabh R. Amle	M
9	Ku. Rutuja R. Nimkar	F	49	Sarang S. Khadatkar	M
10	Ku. Pratiksha P. Ingole	F	50	Nicky R. Molke	M
11	Ku. Raksha V. Yesankar	F	51	Shreyash K. Khapre	M
12	Ku. Bhavana A. Hage	F	52	Saurabh S. Rewade	M
13	Ku. Vaishanvi Kakad	F	53	Abhiraj V. Thawali	M
14	Ku. Suchita Bharti	F	54	Mrunal D. Dhanvij	M
15	Ku. Kalyani C. Mirge	F	55	Abhijit A. Ande	M
16	Ku. Payal Chaudhari	F	56	Soham R. Parmar	M
17	Ku. Shamali S.Paradakhe	F	57	Parag G. Satav	M
18	Ku. Rahi S. Dabhane	F	58	Akshay D. Chaudhary	M
19	Ku. Priyanka S. Lodh	F	59	Mahesh S Deoghare	M
20	Ku. Pallavi G. Patinge	F	60	Prafulla A Jadhav	M
21	Ku. Monika A. Jaware	F	61	Pravin M Chavan	M
22	Ku. Neha K. Marganwar	F	62	Shyam D Gawande	M
23	Ku. Sakshi Bonte	F	63	Sushrut B Wadnerkar	M
24	Ku. Avanti Deshmukh	F	64	Ashish Bardia	M
25	Ku. Nivedita Gawande	F	65	Mohammad Zubair Md Yusuf	M
26	Ku. Rutuja Kalmegh	F	66	Vikas S Raibole	M
27	Ku. Vaishnavi Girnase	F	67	Ratnadip S Mondhe	M
28	Ku. Aditi Deshmukh	F	68	Rohit S Kale	M

29	Ku. Neha S. Chhangani	F	69	Shoyeb Galib Mohammad	M
30	Ku. Aishwarya Anilpant Korde	F	70	Suraj Suresh Kurhade	M
31	Ku. Vibhuti Arvind Pathare	F	71	Jayesh Yadavrao Mehare	M
32	Ku. Smita Sanjayrao Yawale	F	72	Sanket Kailash Gawande	M
33	Ku. Prerana H. Chitlange	F	73	Shubham Gajanan Sabale	M
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36	Ku. Ankita M Thakre	F	76	Mahesh Khushal Manvatkar	M
37	Ku. Divyani h Bhirad	F	77	Akashdip Milind Wankhade	M
38	Ku. Anushri Awdhut Shirbhate	F	78	Nikhil Mahesh Dongare	M
39	Ku. Tejaswi Manoj Pote	F			
40	Ku. Kiran Vilas Dakare	F		**Girls**	**40**
		F		**Boys**	**38**
				Total	**78**

for H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

6.2.1 Quality improvement strategies adopted by the institution for each of the following

Sr. No.	Particulars	Name of Department	Page No.
1.	AQAR cover page	--	215
2.	MOU signed with industries i)Axioms ii)Daga iii)Khatri iv)M/s Tongse	 CSE Civil Civil Civil	 216-224 225-227 228-230 231-235

6.2 Strategy Development and Deployment
6.2.1 Quality improvement strategies adopted by the institution

MOUs signed with industry			
Sr. No.	**Department**	**Name of industry**	**Subject/Field of MOU**
1	CSE	Axioms Softech Pvt. Ltd	Networking and Industry Training
2	Civil Engg	M/S Daga Infratech Private Limited Amravati	Lab Testing/Internship
		M/S S.L. Khatri & Sons Private Limited ,Amt.	Lab Testing/Internship
		M/S Tongase & Patil Engineers (Regd) Amt.	Lab Testing/Internship

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Axiom Softech Pvt. Ltd.

"IT SOLUTIONS BY, IT MASTERS"

CIN : U72300MH2015PTC270316
(Software Research & Development Company)
G-5, Anand Rajani Apts., IT Park Road, Opp. Datta Mandir, Nagpur-22 (O) 0712-6603564, 6503564
E-mail : solutions.axiomsoftech@gmail.com, sushil@axiomsoftindia.com

MEMORANDUM OF UNERSTANDING

ENTERED INTO ON 13 DAY OF Jan. 2017

BETWEEN

AXIOM SOFTECH PVT. LTD.
AND
P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI

To promote interaction and co-operation.

This Memorandum of Understanding (MoU) is entered between **Axiom Softech Pvt. Ltd.** A company incorporated under the Indian Companies Act, 1956 having its registered office and represent by its undersigned of the ONE PART and **P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI** represent by undersigned of the OTHER PART.

Whereas **Axiom Softech Pvt. Ltd. and P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI** shall be hereinafter jointly referred as the "Parties" and singularly as a "Party".

The **Axiom Softech Pvt. Ltd. & P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI** have decided to agree to establish industry-academic collaboration in area of mutual interest and in accordance with terms and conditions set forth in this Memorandum of Understanding (MoU), **Axiom Softech Pvt. Ltd.** and **P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI** agree on following activities:

1. Axiom Softech Pvt. Ltd. will offer summer/winter Internship to students of **P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI** at **Axiom Softech Pvt. Ltd.** so that the students get hands on experience of live project & live research. The number of students, who can be selected for internship, would be based on some selection process includes Aptitude Test, Technical Test and followed by the personal Interview.

2. Axiom Softech Pvt. Ltd. will arrange to provide periodic Industrial visits to students and faculty of **P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI** at its sites to enable them to get practical exposure and learning from interaction with staff members of Axiom's research team.

3. Depending on requirement **Axiom Softech Pvt. Ltd.** Will provide Technical Workshop, Faculty Development Program, CRT, Industrial Orientation Program, and Guest Lecture with identified deliverable to be executed by **P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI.**

4. **Axiom Softech Pvt. Ltd**. may participate in campus placements to hire talent from **P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI**

5. **P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI** will give preference to officials of **Axiom Softech Pvt. Ltd.** in pursuing advanced Research and Development to students as per Axiom's requirement.

6. **Axiom Softech Pvt. Ltd.** may arrange technical workshops/Forum/Guest lecture in P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI for faculty and students. **All the one day activity will be non-commercial.** For the activities containing more than one day, detail modalities including financial would be mutually worked out for each assignment.

7. The parties mutually agree to share the information in hard and soft form available with them in strict confidence; and will respect the intellectual property rights of each other. If the decision not to peruse a collaborative activity is taken, all the information shall be returned to the rightful/source owner.

8. The parties mutually agree to share infrastructure facilities like laboratories, class rooms, library, etc. whenever required for execution of the various programs as per the mutually agreed schedule and conditions.

9. Each party shall appoint one nodal officer to take periodically review and identify ways to strengthen cooperation between both the parties.

This MoU will be effective from the date it is signed by representative of the parties. It will remain valid for two years, and may be continued thereafter by suitable review and agreement. Either party may give MoU termination by giving written to other party six months in advanced. Once terminated, neither **Axiom Softech Pvt. Ltd.** Nor **P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI** will be responsible for any losses, financial or otherwise, which the other party may suffer.

However **Axiom Softech Pvt. Ltd.** and **P.R.POTE COLLEGE OF ENGINEERING & MANAGEMENT, AMARAVATI** will ensure that all activities in progress are allowed to be completed successfully.

IN WITNESS WHEREOFF the two parties have signed this understanding on the day and date as above.

For PRPCEM, Amaravati

Executive member

Principal

.....
(Dr. (Mrs.) S. A. Wakde)

Dr. S. A. Wakde (Patil)
Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

For Axiom Softech Pvt. Ltd.

Executive member

Mr. Sushil Pudke

Director,

Axiom Softech Pvt. Ltd. Nagpur.

Witness

Mohd. Zahir

.....
Rizwan Fatah Hussain
(Business Analyst)

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Respected Sir,

"Greeting from Axiom TechGuru Pvt Ltd...!!!"
As your college students came at Axiom TechGuru Pvt Ltd for Interview.
We had conducted two rounds.
First Round i.e. Quantitative + Technical Aptitude

In that round we shortlisted students

Name	college	Qty	Tech
Sakshi Parwani	P.R.Pote	23	12
Pratiksha Sonone	P.R.Pote	20	10
Roshan Dube	P.R.Pote	21	13
Snehal Dighole	P.R.Pote	25	14
Monika Jaware	P.R.Pote	20	11
Vibhuti Pathare	P.R.Pote	22	13
Shubham Rahud	P.R.Pote	17	12
Jeba Jabir Shaikh	P.R.Pote	19	10
Vikas Raibole	P.R.Pote	18	11
Nickey Molke	P.R.Pote	16	13
Tejaswi Pote	P.R.Pote	19	12
Vaishnavi Kapat	P.R.Pote	18	11

Second Round i.e. Technical+ HR Round
In that round we shortlisted students

Selected candidates' names

Name	college	Qty	Tech
Pratiksha Sonone	P.R.Pote	20	10
Vibhuti Pathare	P.R.Pote	22	13
Tejaswi Pote	P.R.Pote	19	12

Offer letter we will send you soon

We look forward to your kind cooperation and thank you in anticipation.

Thanks and Regards
Ms. Neha Gohokar
Administrator
Axiom Techguru Pvt Ltd.
Ph.-(0)712-6603564/6503564
--
Thanks & Regards
Team Management

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From: "Axiom TechGuru" <axiomtechguru@gmail.com>
Date: 1 Jul 2017 4:57 p.m.
Subject: Project Trainee Drive for final year student at Axiom TechGuru Pvt Ltd.
To: "Falesh shelke" <falesh123@gmail.com>, <cse.vijaygadicha@prpcem.org>, <v_gadicha@rediffmail.com>, "Leon francis" <leonfrancis823@gmail.com>, <savishende123@gmail.com>
Cc: "Sushil Pudke" <sushil.softech@gmail.com>, "Rizwan Farah" <farahrizwan4@gmail.com>

Respected Sir,

"Greeting from Axiom TechGuru Pvt Ltd...!!!"

Axiom TechGuru Pvt Ltd. Offered 15 Days Industrial Orientation Training (IOT) program to your college students.

Below mentioned students had successfully completed their Industrial Orientation Training.

Please go through their Attendance also Axiom-IT Gate Marks
Axiom-IT GATE (This exam contains, Structure and Procedure programming using C, Object Oriented Programming using C++ and Data Structure)

Name	Attendance	Duration	Axiom ITGate Marks
Tejaswi Pote	12	19 Jun to 30 Jun	66 /100
Pratiksha Sonone	9	19 Jun to 30 Jun	50/100

From above mentioned students we had selected "Tejaswi Pote" on the basis of their Axiom-IT GATE score. We will sponsor them to complete their project as well as Industrial training with Axiom TechGuru Pvt Ltd as a "Project Trainee".

Their Joining we will send you soon.

We look forward to your kind cooperation and thank you in anticipation.

Thanks and Regards
Ms. Neha Gohokar
Administrator
Axiom TechGuru Pvt Ltd.
Ph.-(0)712-6603564/6503564
--
Thanks & Regards
Team Management

for
H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

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www.axiomtechguru.com

Axiom TechGuru Pvt. Ltd.

"IT SOLUTIONS BY, IT MASTERS"

CIN: U72300MH2015PTC270316

(Software Research & Development Company)

G-5, Anand Rajani Apts., IT Park Road, Opp. Datta Mandir, Nagpur - 22 (O) 0712-6603564, 6503564

E-mail : aximotechguru@gmail.com, researchbyaxiom@gmail.com

To whomsoever it may concern

This is to certify that **Ms.Tejaswi Pote** student of **B.E.Third Year (CSE)** has worked in our organization as **an Intern** from **19 Jun 2017** to **30 Jun 2017** on **C,C++ and Data Structure** having good experience and knowledge in **Software designing and development.**

She has successfully completed **Industrial Orientation Training**(IOT) administered by **Axiom TechGuruPvt. Ltd., Nagpur.** She has been very sincere, efficient and co-operative team member.

Ms.Tejaswi Pote is reliable, hardworking & professional. I wish her all the very best in her future endeavours.

For (Axiom TechGuruPvt. Ltd.)

Ms. Farah Hussain
(Business Analyst)

For (Axiom TechGuruPvt. Ltd.)

Mr. Sushil Pudke
(Director)

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www.axiomtechguru.com

Axiom TechGuru Pvt. Ltd.

"IT SOLUTIONS BY, IT MASTERS"

CIN: U72300MH2015PTC270316

(Software Research & Development Company)

G-5, Anand Rajani Apts., IT Park Road, Opp. Datta Mandir, Nagpur - 22 (O) 0712-6603564, 6503564

E-mail : aximotechguru@gmail.com, researchbyaxiom@gmail.com

To whomsoever it may concern

This is to certify that **Ms. Prachi Sonone** student of **B.E.Third Year (CSE)** has worked in our organization as **an Intern** from **19 Jun 2017** to **30 Jun 2017** on **C,C++ and Data Structure** having good experience and knowledge in **Software designing and development.**

She has successfully completed **Industrial Orientation Training**(IOT) administered by **Axiom TechGuruPvt. Ltd., Nagpur.** She has been very sincere, efficient and co-operative team member.

Ms. Prachi Sonone is reliable, hardworking & professional. I wish her all the very best in her future endeavours.

For (Axiom TechGuruPvt. Ltd.)

Ms. Farah Farah Hussain

(Business Analyst)

For (Axiom TechGuruPvt. Ltd.)

Mr. Sushil Pudke

(Director)

P. R. Pote (Patil) College of Engineering & Management,Amravati

(Session:-2017-18)

Department of Computer Science and Engineering

MOU SINGED WITH AXIOM PVT. LTD., NAGPUR









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DAGA INFRATECH PVT. LTD.
Siddarth Bhavan, Opp. HDFC Bank, Morshi Road, Amravati - 444601. CIN-U45400MH2012PTC232716.
Tel: +91-721-2674267 | Fax: +91-721-2670403 | E-mail: sales@dagainfratech.com | www.dagainfratech.com

MEMORANDUM OF UNDERSTANDING

BETWEEN

P. R. POTE PATIL COLLEGE OF ENGINEERING AND MANAGEMENT, AMRAVATI.
(DEPARTMENT OF CIVIL ENGINEERING)

AND

M/S DAGA INFRATECH PRIVATE LIMITED, AMRAVATI.

FOR

"SUPPORT FOR LABORATORY TESTING IN CIVIL ENGINEERING MATERIALS & STUDENT INTERNSHIP PROGRAMME"

MEMBER

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1) MEMORENDUM OF UNDERSTANDING:

This MEMORENDUM OF UNDERSTANDING (MOU) is made and entered into force this 5th day of July 2017 between.

P. R. POTE (PATIL) COLLEGE OF ENGINEERING AND MANAGEMENT
AMRAVATI, DEPARTMENT OF CIVIL ENGINEERING
Pote Estate, Kathora Road, Amravati.
(Herein after called PRPCEM)

AND

M/S DAGA INFRATECH PVT. LTD., AMRAVATI.
Siddharth Bhavan, In front of HDFC Bank,
Morshi Road, Amravati – 444 601
(Herein after called DIPL)

2) SCOPE OF MOU:

i. PRPCEM will provide technical support for Material testing in Civil Engineering Materials.
ii. DIPL will allow the PRPCEM Civil Engineering students for internship program and site visits as per the convenience.

3) RESPONSIBILITY OF THE DIPL:

i. The DIPL shall provide the required materials for testing.
ii. The charges incurred for laboratory testing and providing test report shall be paid by DIPL are subject to deduction of TDS if any.
iii. DIPL issue the certificate to the Student of PRPCEM Civil Engineering for internship after completion of Internship program.
iv. DIPL will allow the students of Civil Engineering for industrial site visit subject to proper earlier written intimation from PRPCEM.

4) RESPONSIBILITY OF THE PRPCEM:

i. PRPCEM shall undertake activity in accordance with scope of the work.
ii. Testing of Materials should be within seven days from the date of receiving testing material.
iii. PRPCEM shall provide results of laboratory testing as per IS standard.

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5) TERMS AND CONDITION:

a. The MOU shall effective from the date of signing and shall remain in force for the period of 24 months from the effective date.
b. During the tenure of the MOU parties here can terminate the MOU either for violation of any of the clauses of the MOU or other work by giving one month notice in writing to the defaulting party.
c. Settlement: - In the event of termination of MOU, the right and obligations of the parties shall be settled by mutual discussion.

6) SIGNED IN DUPLICATE:

This MOU is executed in duplicate with each copy being an official version and having equal legal validity. By singing below, the parties acting by their authorized officers have caused this Memorandum of Understanding to be executed effective as of the day and year first above written.

On Behalf of

P.R.POTE PATIL
COLLEGE OF ENGINEERING
AND MANAGEMENT,
AMRAVATI

Prof. Mr. Mohammad Zuhair
Head of Department
H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

On Behalf of

M/S DAGA INFRATECH
PVT. LTD., AMRAVATI.

Mr. Madhur Laddha
Executive Director

for H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

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"Shri Gajanan Maharaj Prasanna"

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions,
College of Engineering & Management, Amravati
(Recognized by AICTE, New Delhi, DTE, Mumbai & Affiliated to SGBAU, Amravati)
Pote Estate, Pote Patil Road, Kathora, Amravati. (Maharashtra)
Ph. No. 0721-2530342, 44, 2530089 Fax No. : 0721-2530341
Email : prpotepatilcollege@gmail.com

Ref. :

Date :

MEMORANDUM OF UNDERSTANDING

BETWEEN

P.R.POTE PATIL COLLEGE OF ENGINEERING AND MANAGEMENT, AMARAVATI.
(DEPARTMENT OF CIVIL ENGINEERING)

AND

M/S S.L.KHATRI & SONS PRIVATE LIMITED, AMARAVATI.

FOR

"SUPPORT FOR LABORATORY TESTING IN CIVIL ENGINEERING MATERIALS & STUDENT INTERNSHIP PROGRAMME"

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1) MEMORENDUM OF UNDERSTANDING:

This MEMORENDUM OF UNDERSTANDING (MOU) is made and entered into force this 20 day of June 2017 between **P. R. POTE (PATIL) COLLEGE OF ENGINEERING AND MANAGEMENT AMRAVATI, DEPARTMENT OF CIVIL ENGINEERING** (herein after called PRPCEM)

AND

M/S S.L.KHATRI & SONS, AMARAVATI.

Regd. No. & Address: Wadgaon Mahure Road, Opp to Atul pipes, Rahatgaon, Amravati,

(herein after called Industry)

2) SCOPE OF MOU:

i. PRPCEM will provide technical support for laboratory testing in Civil Engineering Materials.

ii. Industry will allow the Civil Engineering students for internship programme and site visits as per the convenience.

3) RESPONSIBILITY OF THE INDUSTRY:

i. The industry shall provide the required materials for testing.

ii. The charges incurred for laboratory testing and providing test report shall be paid by industry excluding tax if any.

iii. Industry will allow the students of Civil Engineering for internship programme and issue the certificate for the same as per the convenience.

iv. Industry will allow the students of Civil Engineering for industrial site visit.

4) RESPONSIBILITY OF THE PRPCEM:

i. PRPCEM shall undertake activity in accordance with scope of the work.

ii. Period of completion of activity should be within seven days from the date of receiving testing material.

iii. PRPCEM shall provide certificate of laboratory testing performed as per IS standard.

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5) **TERMS AND CONDITION:**

a. The MOU shall effective from the date of signing and shall remain in force for the period of 24 months from the effective date.

b. During the tenure of the MOU parties here can terminate the MOU either for violation of any of the clauses of the MOU or other work by giving one monthly notice in writing to the defaulting party.

c. Settlement: - In the event of termination of MOU, the right and obligations of the parties shall be settled by mutual discussion.

6) **SIGNED IN DUPLICATE:**

This MOU is executed in duplicate with each copy being an official version and having equal legal validity. By singing below, the parties acting by their authorized officers have caused this Memorandum of Understanding to be executed effective as of the day and year first above written.

On Behalf of

P.R.POTE PATIL COLLEGE OF ENGINEERING AND MANAGEMENT, AMARAVATI

H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

On Behalf of
For S. L. KHATRI & SONS

- PARTNER

M/S S.L.KHATRI & SONS PARTNER, AMARAVATI.

H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

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भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

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INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA ◑ 2016 ◑ RK 420373

सौ. एस. एस. मिरानी
मुद्रांक विक्रेता, कॅम्प,
अमरावती ८/९७३-९७

1201
20/4/17

टोंगसे आणि पाटील
इंजिनीयर्स अमरावती
ई- विशाल गापडे

MEMORANDUM OF UNDERSTANDING

BETWEEN

APPROVED THE SIGNATURE OF THE EXECUTANT AND NOT RESPONSIBLE FOR THE CONTENTS
M.R.S. No. 510 Date 20/4/17

Notary
H E mirpithada

232

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॥ श्री गणेशाय नमः ॥

सौ. सोनल एस. मिराणी

मुद्रांक विक्रेता, चांडक बंगला, कॅम्प, अमरावती. ☎ २५९००८५, मो. ७५०७४०४८००

ला. नं. परवाना क्र. ८/९७३/९७/२००१/०२

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रा. अमरावती

हस्ते विशाल गावंडे

मुद्रांक शुल्क 200/-

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धन्यवाद!

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सौ. सोनल एस. मिराणी

मुद्रांक विक्रेता, अमरावती शहर

NC

HEM

Adv. Nazish Ra...

Amravati, L.T.

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P.R.POTE PATIL COLLEGE OF ENGINEERING AND MANAGEMENT, AMRAVATI.

(DEPARTMENT OF CIVIL ENGINEERING)

AND

M/S TONGASE AND PATIL ENGINEERS (Regd), AMRAVATI.

FOR

"SUPPORT FOR LABORATORY TESTING IN GEOTECHNICAL ENGINEERING"

1) MEMORENDUM OF UNDERSTANDING:

This MEMORENDUM OF UNDERSTANDING (MOU) is made and entered into force this **20th day of April 2017** between **P. R. POTE (PATIL) COLLEGE OF ENGINEERING AND MANAGEMENT AMRAVATI, DEPARTMENT OF CIVIL ENGINEERING** (herein after called PRPCEM)

AND

M/S TONGASE & PATIL ENGINEERS (Regd.), AMRAVATI.

Regd. no.NGP-8631, Bapat Wadi, Sabnis Plot Chowk, Near Radiant Hospital, Amravati. (herein after called Industry)

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2) SCOPE OF MOU:

PRPCEM will provide technical support for laboratory testing in Geotechnical Engineering. Also assessment of bearing capacity of soil shall be provided based on the field observations obtained from the Industry.

3) RESPONSIBILITY OF THE INDUSTRY:

i. The industry shall provide all basic data/detail information.

ii. The industry shall provide required field samples for undertaking the laboratory testing at PRPCEM.

iii. The charges incurred for laboratory testing and providing consultation report for assessment of bearing capacity shall be paid by industry in advance excluding tax if any.

4) RESPONSIBILITY OF THE PRPCEM:

i. PRPCEM shall undertake activity in accordance with scope of work.

ii. Period of completion of activity could however be extended to further such period as may be required and mutually agree between the parties.

iii. PRPCEM shall provide certificate of laboratory testing performed as per IS standard.

5) TERMS AND CONDITION:

a. The MOU shall effective from the date of signing and shall remain in force for the period of 24 months from the effective date

b. Above effective period shall be extended on mutual understanding.

c. During the tenure of the MOU parties here can terminate the MOU either for violation of any of the clauses of the MOU or other work by giving one monthly notice in writing to the defaulting party.

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d. Settlement:- In the event of termination of MOU, the right and obligations of the parties shall be settled by mutual discussion.

6) SIGNED IN DUPLICATE:

This MOU is executed in duplicate with each copy being an official version and having equal legal validity.By singing below, the parties acting by their authorized officers have caused this Memorandum of Understanding to be executed effective as of the day and year first above written.

On Behalf of

P.R.POTE PATIL COLLEGE OF ENGINEERING AND MANAGEMENT, AMRAVATI

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

On Behalf of
For M/s Tongase & Patil Engineers

PARTNER

M/S TONGASE AND PATIL ENGINEERS, AMRAVATI

M/S Tongase & Patil Engineers
Architects & Project Management Cons.

H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

Notary
H Emmdhada
Adv. Harish Ranchhoddas Mundhada
Notary For
Amravati District (M.S.) India

ATTESTED BY ME
H Emmdhada.
Adv. Harish Ranchhoddas Mundhada
Notary For
Amravati District (M.S.) India.

ATTESTED THE SIGNATURE OF THE EXECUTANT AND NOT RESPONSIBLE FOR THE CONTENTS
Regd No. 510 Date 20/4/17

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6.2.1 Quality improvement strategies adopted by the institution for each of the following

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4.	Admission of students	--	237

6.2 Strategy Development and Deployment
6.2.1 Quality improvement strategies adopted by the institution

Admission of Students	
Year	No. of Student admitted
2017-18	351

P.R.POTE(PATIL)COLLEGE OF ENGINEERING AND MANAGEMENT,AMRAVATI.

FIRST YEAR DEPT.

Total B.E. Student Intake Academic Year 2017-18

Sr.No.	Class	Branch	Male	Female	Admitted Student	Total	College Code
1	B.E.1st Year	Computer Science	57	65	122	452	1107
2		Electrical 1st shift	30	22	52		
3		Electrical 2nd shift	31	24	55		
4		EXTC	23	24	47		
5		Civil	44	18	62		
6		Mechanical	97+1	16	113		
		Total	283	169	451		

First Year Admission In-charge

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati

6.2.2 : Implementationofe-governanceinareas ofoperations:
❖ **PlanningandDevelopment** In Process
❖ **Administration** In Process
❖ **FinanceandAccounts** Yet to start
❖ **StudentAdmissionandSupport** All admissions are governed by DTE, Maharashtra State. The process is online
❖ **Examination.** The Institute is affiliated to S.G.B. Amravati University. Online Examination and valuation process is followed by the Institution.

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

Index

Session 2017-18

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards Membership fee of professional bodies during the year

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2.	List of faculties Conference / workshop attended for which financial support during year 2017-18 with sign of principal	239
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4.	Electrical	243-244
5.	CSE	245-257
6.	Mechanical	258-262
7.	Civil	263-266

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards Membership fee of professional bodies during the year

Year	Name of Teacher	Department	Name of Conference/ workshop attended for which financial support provided	Name of professional body for which membership fee is provided	Amount of support
2017-18	Prof. G. D. Dalvi	EXTC	3-days workshop by UGC, HRDC held on 21st -23rd March, 2018	-	1000/-
2017-18	Prof. A. R. Pawade	EXTC	15 Days workshop on "Development and Installation of Solar System", held on 2nd – 17th January, 2018	-	5300/-
2017-18	Prof. G. D. Dalvi	EXTC	ICUBBEA, IEEE Conference at Pimpri Chichwad College of Engineering, Pune.	-	6000/-
2017-18	Prof. A.S.Telang	EE	Empowering academic excellence with an overview of industry 4.0	----	1000/-
2017-18	Porf.Y.D.Shahakar	EE	Empowering academic excellence with an overview of industry 4.0	----	1000/-
2017-18	Prof.V.B.Gadicha	CSE	National Cyber Defence Summit 2017, BITS Pilani, Goa		3000/-
2017-18	Prof.V.B.Bhagat	CSE	Big Data & IOT Convergence, PRMIT & R,Badnera		1500/-
2017-18	Prof.P.V.Kale	CSE			1500/-
2017-18	Prof.V.B.Gadicha	CSE	International Conference on Computing , Communication ,Control & Automation ICCUBEA 2017 ,Pune		6000/-
2017-18	Prof.F.M.Shelke	CSE	Surya College of Engg,Erode,TN. ICCMC 2018		3000/-
2017-18	Prof.A.R.Ladole	CSE	SVS College of Engg,Coimbatore. ICCTCT 2018		3000/-
2017-18	Dr. P. S. Ardak	ME	International Conference on Industrial Engineering held at SVNIT, Surat		4500/-
2017-18	Prof. S. J. Deshmukh	ME	NPTEL Certificate Course on "Basics of FEM - I"		500/-
2017-18	Dr. P. S. Ardak	ME	International Conference on Materials and Manufacturing Engineering Kanchipuram		2500/-
2017-18	Prof. Mohd. Zuhair	Civil Engg	Theoretical Applied Computational & Experimental Mechanics ,ICTACEM	ICI	8000/-
2017-18	Prof. Mohd. Zuhair				10620/-
2017-18	Prof. N.P. Bhopale				10620/-
2017-18	Prof. S.V. Dhoke				10620/-
2017-18	Prof. A.R. Wadnerkar				10620/-

P.R. Pote Patil College of Engineering & Management, Amravati

Session 2017-18

6.3 Faculty Empowerment Strategies

6.3.1 Following Teachers provided with financial support to attend conferences / workshops and towards Membership fee of professional bodies during the year 2017-18

Year	Name of Teacher	Depar-tment	Name of Conference/ workshop attended for which financial support provided	Name of professional body for which membership fee is provided	Amount of support
2017-18	Prof. G. D. Dalvi	EXTC	3-days workshop by UGC, HRDC held on 21st -23rd March, 2018	-	1000/-
2017-18	Prof. A. R. Pawade	EXTC	15 Days workshop on "Development and Installation of Solar System", held on 2nd – 17th January, 2018	-	5300/-
2017-18	Prof. G. D. Dalvi	EXTC	ICUBBEA, IEEE Conference at Pimpri Chichwad College of Engineering, Pune.	-	6000/-
2017-18	Prof. A.S.Telang	EE	Empowering academic excellence with an overview of industry 4.0	----	1000/-
2017-18	Porf.Y.D.Shahakar	EE	Empowering academic excellence with an overview of industry 4.0	----	1000/-
2017-18	Prof.V.B.Gadicha	CSE	National Cyber Defence Summit 2017, BITS Pilani, Goa		3000/-
2017-18	Prof.V.B.Bhagat	CSE	Big Data & IOT Convergence, PRMIT & R.Badnera		1500/-
2017-18	Prof.P.V.Kale	CSE			1500/-
2017-18	Prof.V.B.Gadicha	CSE	International Conference on Computing , Communication ,Control & Automation ICCUBEA 2017 ,Pune		6000/-
2017-18	Prof.F.M.Shelke	CSE	Surya College of Engg,Erode,TN. ICCMC 2018		3000/-
2017-18	Prof.A.R.Ladole	CSE	SVS College of Engg,Coimbatore. ICCTCT 2018		3000/-
2017-18	Dr. P. S. Ardak	ME	International Conference on Industrial Engineering held at SVNIT, Surat		4500/-
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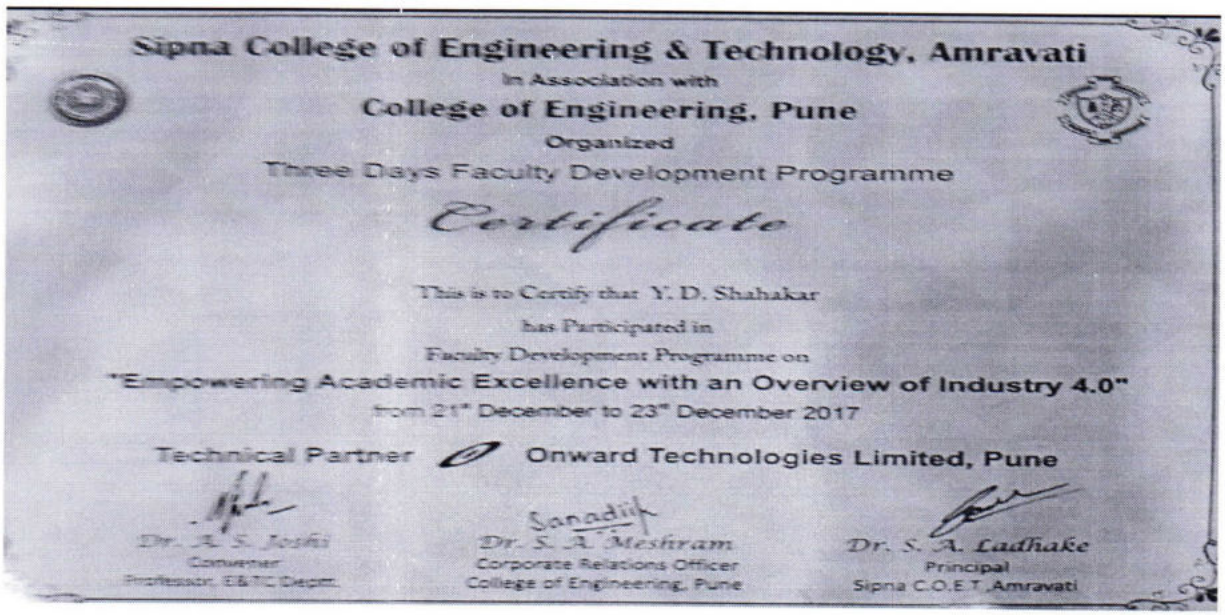

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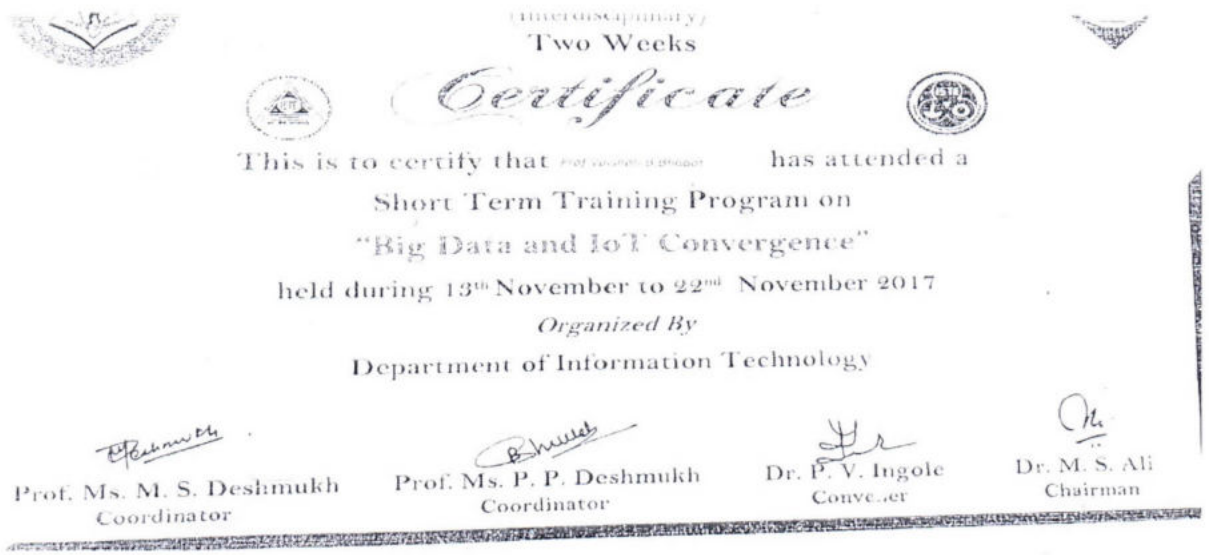

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Extensive Approach for Strong Password Generation Using Content-Color Mechanism

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Text Views

Abstract

Document Sections

I. Introduction

II. Literature Review

III. Proposed Algorithm

» Results and Discussion

» Experimental Results

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Abstract:

In Information security, access control is one of the most fundamental requirement. This can be achieved by assigning proper authentication credentials. In usual case we use the alphanumeric password strings to preserve the authentication. But it has several drawbacks, as all possible password strings which may be generated from keystrokes of the keyboard may be guessed or can be hacked by various attacks or some automated software tool may be used to crack the same. But here in this paper we are proposing a Content-Color method of Image fusion which will use multiple images to produce the password string. Once all these multiple images are fused, on the resultant fused image we will perform multi-share Visual key cryptography. Finally one such share can be selected randomly to generate the password string.

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A new Authentication Strategy for Multiservice Authorization over Cloud

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Abstract— **Cloud computing is an emerging paradigm shifting the shape of computing models from being a technology to a utility. However, security, privacy and trust are amongst the issues that can subvert the benefits and hence wide deployment of cloud computing. With the introduction of omnipresent mobile-based clients, the ubiquity of the model increases, suggesting a still higher integration in life. Nonetheless, the security issues rise to a higher degree as well. The constrained input methods for credentials and the vulnerable wireless communication links are among factors giving rise to serious security issues. To strengthen the access control of cloud resources, organizations now commonly acquire Identity Management Systems (IdM). This report presents that the most popular IdM, namely OAuth, working in scope of Mobile Cloud Computing has many weaknesses in authorization architecture. In particular, authors find two major issues in current IdM. First, if the IdM System is compromised through malicious code, it allows a hacker to get authorization of all the protected resources hosted on a cloud. Second, all the communication links among client, cloud and IdM carries complete authorization token, that can allow hacker, through traffic interception at any communication link, an illegitimate access of protected resources. We also suggest a solution to the reported problems.**

Keywords: Cloud Computing Security, Mobile Cloud Computing, Identity Management System.

I. INTRODUCTION

Over the past decade, enterprise computing has been shifting to a new paradigm, namely the cloud computing. The cloud-computing paradigm provides several service models fitting the needs of an individual or organization. The ease of deployment, reduced costs, availability, scalability, accessibility, flexibility and location independence are some of the very strengths of this paradigm, giving rise to its popularity. On the contrary, security and privacy issues are limiting its wide spread deployment. Organizations are hesitant to storing and communicating valuable enterprise information to a third party outside their premises. In particular, the threat of unauthorized access to cloud data is of great concern, prompting researchers to propose novel authentication mechanisms. One such method is the deployment of a centralized Identity Management System. Another emerging trend in enterprise computing is the use of Smartphone devices. International Data Corporation reports on 33% increment trend on the sale of smart phones during past few years, with a prediction of 32.7% increase in 2013 [1].

Smart phone devices has been advanced greatly, in recent years, so has malicious code [2]. Although, smart phones are advancing in terms of computational power, rapidly replacing Personal Computers (PCs) as first choice of a computing device [2], Nonetheless, their major problem still is that of resource poverty. To cater with this problem, organizations have started providing access to cloud services for their users with smart phone-based clients [3][4]. The location independence and computing power of a cloud joined with the mobility of a smartphone gives the freedom of computing anything anywhere, resulting in a powerful ubiquitous computing model. This power and flexibility is bringing high popularity to what researchers call Mobile Cloud Computing (MCC) [5][6]. ABI Research estimates that MCC will gain a user-base of 240 million by the end of 2015 [7].

Being very convenient and accessible, smart phones are at a higher security risk than competing devices. This risk is mainly because of inherent nature of their application software and communication mechanism [2], as we explain further. First, tiny applications are easy to build by anyone, thus freely available, and hence contain malicious code in several

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instances. Second, mobile software development life cycle does not provide any activities ensuring the security, safety and trust. Third, the constrained resources do not allow executing full antivirus software. Fourth, the inherent nature of wireless links available to eavesdropping, and the wider availability of Internet, even out of enterprise perimeter to access enterprise data leaves valuable information asset on risk. Fifth, the mobile users choose relatively simpler passwords that are easy to type with constrained input methods [5].

For all aforementioned reasons, strong authentication mechanisms for MCC are needed to protect privileged organizational data. In general, organizations deploy an IdM for greater access control, both for mobile based and PC-based client[14].

II. LITERATURE REVIEW

2.1 Two Factor Authentication (2FA)

Choudhury, A.; Kumar, P.; Sain, M.; Lim, H. and Hoon Jae-Lee proposed a method which uses Two Factor Authentication (2FA) where first the tenant gets verified by a password and smart card and then is authenticated by Out Of Band (OOB) authentication. Drawback of this work is smart card as login is prone to get stolen. For the messages sent from A to S are only related with secret data stored in the smartcard, the attacker can impersonate as a legal tenant. The attacker can compute intermediate values. Therefore, the messages in login phase authentication phase can be generated by the attacker so that the attacker can successfully create a valid login request as a legal tenant. Moreover, this method uses One Time Passwords (OTP)/OOB that is prone to phishing attacks [8] and clock has to be synchronized from time to time with the server.

2.2 Authentication using graphical password in cloud

Guo, M.; Liaw, H.; Hsiao, L.; Huang, C.; and Yen, C. proposed a method in which Tenants are also authenticated using graphical passwords. The algorithm works as the tenant is made to select one image from multiple images and then tenant draws a correct pattern to get authenticated [9]. This algorithm is prone to shoulder surfing attacks. Another problem is the images are stored locally so if the device crashes, authentication would not be possible.

2.3 Trust Cube

Richard et al. [10] proposed Trust Cube which is an independent policy-based cloud authentication platform using open standards with the integration of various authentication methods. This model addresses the authentication issue in a simple and flexible manner by considering various sources such as device integrity reports, user credentials, etc. It uses federated authentication framework (OpenID) which uses star-shaped topology. A star-shaped topology also has privacy benefits, as only the center of the star needs to collect user-specific data. In a star-shaped topology, there are potentially heavy loads on the authentication service due to its central role in the process.

2.4 Authentication Based on Clients Personal Data

R.Chow et al. [11] present authentication platform in which behavioural authentication is used based on client personal data. The cloud authentication platform responds to the client access request based on decision obtained by processing behavioural data of the authenticated client, however, passing the personal information of the client to cloud can affect the user privacy.

2.5 Secure cloud storage for conventional data archive of smart phones

Hsueh et al [12] proposed authentication mechanism in which mobile device encrypts the credential information file and stores it on cloud but infected cloud server can steal the user credential information by decrypting user's files.

2.6 Secloud

Saman Zonouz et. al. [13] proposed Secloud; a cloud based comprehensive and lightweight security for smartphones. Secloud runs the emulators of Smartphones in cloud which provide security to mobile device by security analysis of data

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in mobile device. In this architecture cloud assumes to be fully trusted which needs to be reconsidered .The personal data of users accessed to the cloud can affect the privacy issues.

III. SYSTEM IMPLEMENTATION AND WORKING

As our main area of discussion is to provide security for the services provided by cloud. For that I have developed a Enhance authentication strategy for multiservice authorization over mobile cloud. In this system firstly user has to Registered over a cloud via our application with the help of Signup page by inserting the information like Password, Contact number and Profile, don't need to insert username.

In this application to provide more security takes IMEI number of a Smart phone due to that no same username will be allowed. After that user has to login into his/her account for accessing the services, once the user get logged in into his/her account he/she has to select a service which needed. Once the user selects the service application generates the ticket to access the specific service. If the user granted for the services then he/she able to access the same service otherwise user get logged out due to violation of the ticket. For the ticket generation, authentication and granting access I have implemented Kerberos. This Application will helps the user to avoid Man In the middle attack as well the attacks via proxy's. Proposed System consist of three modules which is shown in following Diagram

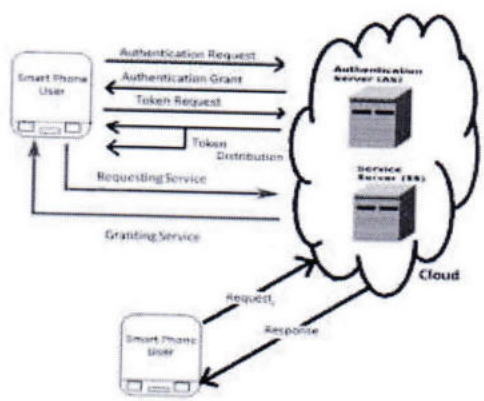

Fig. 1 system Architecture

1. Android Application

First module is the android smart phone application which will have to install on a users smart phone. This android application contains the login page where user can log in into our system by entering username and password. If the user is new then user can signup onto our application via filing a small registration form. This application is used for Singing in into account and Accessing the various Services.

2. Authentication Server

This module is implemented for the authentication purpose. This will checks the authenticity of a user by checking his/her username and password. This Authentication Server is implemented by using Kerberos.

3. Kerberos Authentication:

Kerberos is a computer network authentication protocol which works on the basis of 'tickets' to allow nodes communicating over a non-secure network to prove their identity to one another in a secure manner. Its designers aimed it primarily at a client–server model and it provides mutual authentication—both the user and the server verify each other's identity. Kerberos protocol messages are protected against eavesdropping and replay attacks.

4. Service Server

This module is implemented to provide the requested services to the client. this module checks the tickets which are send via user to the service server after performing authentication request-grant and token i.e. ticket request-distribution process. Once the request for a service from the user is received it checks whether the user having a authority to access the service or not, if yes then user can access the service otherwise user get logged out.

Working :

1) User has to Sign up to the application by filling registration form.

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2) User has to log in into application by inserting password, it takes username as IMEI number of a smart phone by default to provide more security.
3) When the user clicks on sign in button, it will firstly sends the authentication request to authentication server.
4) If the authentication is granted, it will sends the request for generating tickets otherwise it logged out the user
5) Once the ticket is generated this ticket sends to user for accessing the services.
6) After that user has to select the service and have to click on Grant the service button
7) It sends same ticket to the Service Server for accessing the service; service Server will check this ticket.
8) If the ticket gets matched, User gets the access to the service otherwise user gets logged out.

IV. ADVANTAGES

4.1 Security

This system implements more security because in this system, it takes the IMEI number as a username. As we know that every smart phone contains its own IMEI number which is unique for each. When user wants to log in then he/she just have to insert the password, the username will taken as default IMEI number.

For providing more security System will apply SHA1 algorithm to convert password into hash code. So that Attacker can't guess the password correctly.

4.2 Authentication Strategy

This system implements the Kerberos Authentication; Basically Kerberos is a computer network authentication protocol which works on the basis of 'tickets' to allow nodes communicating over a non-secure network to prove their identity to one another in a secure manner. It aimed primarily at a client–server model and it provides mutual authentication—both the user and the server verify each other's identity. Kerberos protocol messages are protected against eavesdropping and replay attacks.

V. CONCLUSION & FUTURE SCOPE

Thus this paper introduced a new Authentication Strategy for a mobile cloud, Which will provide high security while accessing the number of services provided by the cloud. This system overcomes the issue of stealing the authorization tokens through malicious insiders by using a multi tokens as well provides a security against Eaves Dropping and Man In Middle attack.

In a future the system can be implemented with link to link encryption in which whole packet will encrypted. Link encryption encrypts all the data along a specific communication path, as in a satellite link, T3 line, or telephone circuit. Not only is the user information encrypted, but the header, trailers, addresses, and routing data that are part of the packets are also encrypted.

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Proceeding of 2018 IEEE International Conference on Current Trends toward Converging Technologies, Coimbatore, India

A Survey on Privacy Preserving Techniques in Cloud Environments

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Abstract— **Cloud computing methodology is a conceptual based technology which is used widely now a day. Cloud Computing is an emerging technology which offers an innovative business model for the organizations with massive data without upfront investment, but most of the organizations still hesitate to explore their business over cloud due to security issues. Data privacy protection and data retrieval control is one of the most challenging research works in cloud computing due to confidentiality of user data. Security is one of the major issues which hamper the growth of cloud. This Paper focuses on specific analysis of privacy preservation techniques, comparative analysis and challenges.**

Keywords— **Cloud computing; Security; privacy preservation;**

I. INTRODUCTION

Cloud computing is a platform which provides storage, computation and retrieval service to the user. It also allows to access the information 24 by 7 by 365 days of time but Internet is obligatory to take advantage of the Cloud. e.g. Any Email client or the facebook user, it will take care of all the hardware and software which are essential to provide individual accounts of clients. Cloud works "pay-as-you-go" principle it means that if there is need of change in the contents at any instance then it permit you to buy more storage space from Cloud service provider.

It is the long-term idea of computing as a utility and storage that include the economical benefits to transmute the IT industry which will assist for making software products even more service oriented. It is nothing but the grouping of networks, hardware, services, storage that can be coupled with each other to provide computing as a service.

A. Public Clouds

The cloud service provider generally own and manage the required physical infrastructure [4]., storage and applications, are the resource which made on hand to various customers by a service provider, via a web application or service. Hence the resources are situated at an off-site position which is organized and supervised by the cloud service provider. These type clouds offers less expensive or pay-on-demand and has high scalable services.

B. Private Clouds

The designated service provider may have possession of and managed the physical infrastructure with an expansion of management and security power plans, which is to be controlled by the organization [4]. It could be controlled by the third party user and might subsist at an on-site or off-site position. The service offers to the provider and the client greater control over the cloud paradigm, developing security and compliance.

C. Hybrid Clouds

It is a combination of more than one clouds such as public, private, or community clouds, which remains sole entities but is leap with each other by standardized technology. This allows data and application portable. Applications with less cruel might be outsourced to the public cloud while maintaining business-crucial services and data in a secured and controlled private cloud.

D. Community Clouds

In this, the physical infrastructure is restricted and provided by various organizations and support a definite community which has exposed their interests. Community cloud users therefore seem for increase economies of scale while cutting the price incorporates with private clouds and the risks related with public clouds.

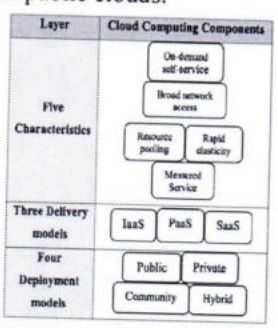

Fig. 1: Cloud Computing Paradigm

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II. CLOUD STORAGE

A. Amazon S3

The Amazon Web Services provides simple storage service. Its data centers are provided across the world. Pricing is based on a variety of features such as redundancy level, storage required, number of request for data transferred and the location on the globe. The storage in S3 is organize in the form of *buckets* in which data objects can be placed. It doesn't support a hierarchical object structure such as common in file systems. The web interfaces defines simple actions, through HTTP, PUT, GET, POST, and DELETE methods, on buckets itself but also on objects inside buckets. User can share buckets and objects with others by setting the access control policy accordingly.

B. Elastic Compute Cloud(EC2)

It is a web service which provides flexible compute in the Cloud. It allows scalable deployment of application by providing a web services interface by which customer can create own virtual machine. On which the users can upload any software of his own interest. A user may create, launch, and terminate sever instance as per requirement by investing money for the duration till active servers.

C. Simple Storage Service

It provides a web service platform that can be applicable to store and fetch infinite amount of data, at any given interval of time, from any location of the glob through web.

D. Cloud Front

It is a content delivery networks which deliver your requested data via a network of respective location. When user sends request for object it is auto-routed to the nearest edge spot.

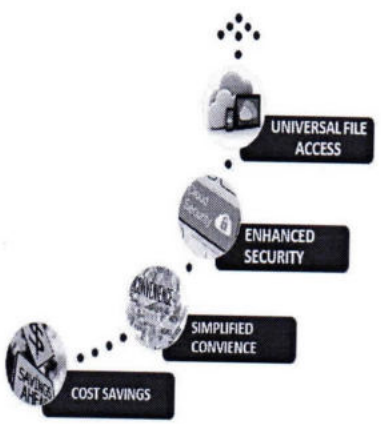

Fig. 2: Cloud Storage Benefits

E. Google Cloud Storage

It stores and accesses the data on Google's own infra. This claims to merge the performance and scalability of Cloud with advanced security and sharing features. Pricing is analogous to as that of Amazon S3. It is depend on storage and bandwidth usage, number and type of requests and the geo location on the globe.

Need of Privacy

Cloud computing is an rising technology which offers an novel business model for the organizations with massive data without upfront investment, but most of the organizations still hesitate to explore their business over cloud due to security. It is one of the major hurdles which limit the growth of cloud. So there is need to work on it and find the appropriate solution.

III. SECURITY REVIEW

Marten van Dijk, Ari Juels, argue that cryptography is a only problem that cannot impose the privacy essential by similar cloud services even along with tools as complete homomorphic encryption. Authors defines a ladder of natural classes of private cloud applications and defines that none of the cryptographic protocol can put into operation where data is shared among customers. Cloud services are also requires to base on different forms of privacy imposement[1].

B. Fung, K. Wang, L. Wang, P.C.K. Hung, reveal the problems of releasing quasi data for cluster investigation during defending privacy of the datasets. The solution to problem is to mask needlessly non quasi data into a fewer specific but steady edition, so that PID data is hidden but essential cluster structure remains. The main proposal is to encrypt the novel cluster structure into the class label of data records and afterward maintain the class labels for the subsequent categorization difficulties[3].

K. LeFevre, D.J. DeWitt, R. Ramakrishnan, given a series of anonymization algorithms which include aimed group of workloads which consist of multiple data mining jobs as well as variety determinants. It also considers the problem of scalability and defines using a workload as an evaluation tool [2].

It has focused the crisis of determining the worth anonymized data. The most undeviating method to calculate its quality for the purpose for which the data will be used. Hence, developed a series of methods for incorporating related tasks that is consist of classification, queries and regression models which into the anonymization techniques. It find out the difficulty of scalability and developed two new methodology which allow the algorithms that can be implies on datasets which is bigger than main memory.

I. Roy, Setty, Kilzer, Shmatikov, Witchel, introduced Airwat which is an Map Reduce based system, provides powerful privacy and security promises for disseminated computations on perceptive data. It allows the implementation of trusted and untrusted Map Reduce computation on perceptive data. It also permits major computation on data items that begin from various foundations and belong to various vendors. Its purpose is to avoid data leakage beyond the data provider strategy [4].

K. P. N. Puttaswamy, Kruegel, Zhao[6] designed a tool which involuntarily find outs all functionally encodable data in cloud application. In this it applies encryption keys to particular data subsets to reduce key management complexity. Its aims to develop the confidentiality for data storage for application on third party computing clouds. Rather than encrypting all data on cloud it encrypts only metadata.

K. Zhang, Zhou, Chen, Wang, Ruan, proposed a new methodology called Sedic. It aims to guard data privacy through map-reduce functions. It influences the special attribute of Map Reduce to automatically partition a computing task as per the level of sensitivity of the data it works on. It gives a solution to the privacy threat which split a task by keeping the computation on the private data which belongs to an organization's private cloud while affecting the rest of data to the public commercial cloud [5].

Firstly it clarified the problem privacy preserving associated cryptography as standalone issue. Secondly Data anonymization technique is not the proper solution over it. Map reduce technique raise the issue of scalability. Data fragmentation creates Confidentiality problem. There are others methods which provide privacy using map reduce technique which is efficient but have a problem of scalability. So still there is scope to work on this.

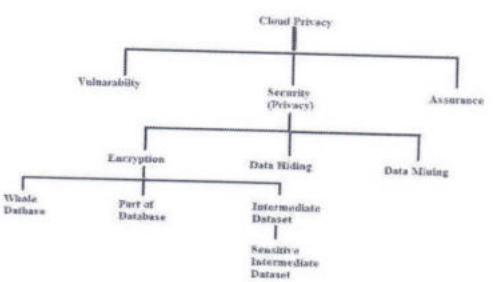

Fig. 3: Cloud Privacy Taxonomy

IV. Conclusion

After studying all the technique expressed in this paper most off technique are suffices to provide privacy, but they also have some countable issues associated with it. With duties of this there is need to work on privacy preservation of intermediary part of sensitive data sets in cloud. Because cloud work on "pay-as- you- go," basis which may incurs more cost, so to overcome this we need to work over the this in the future.

There is need to isolate the sensitive data sets first, then and then only it becomes easy to protect those data sets. For this user may use the collaboration of two or more techniques such as data anonymization along with data fragmentation or data mining, so that it gives more comprehensive version of privacy preservation of data set in the cloud.

Table 1: Evaluation of various privacy preserving techniques

Author	Method	Pros	Cons
Marten van Dijk, Ari Juels[1]	**Cryptography**	1.Faster access 2.Easy to implement	1. Cryptography alone cannot enforce the privacy required. 2. cloud services will also rely on other forms of privacy application
K. LeFevre et.al [2]	**Data Anonymization**	1. Highly effective 2. More flexible. 3. Gives high-quality data.	1. unable to resolve preserving privacy for multiple data set 2. not applicable in the Top-Down Specialization approach. 3. unable to identify corresponding problem of reasoning.
B. Fung et.al [3]	**Clustering &Encryption**	1. Maintain the personal privacy and data which is useful for cluster analysis. 2. It Prevents the privacy issue caused by sensitive record linkage.	1. Insufficient to manage huge data sets. 2. Loss of information while Reconstruction process.
"I. Roy et.al [4]	**Airavat** - Map Reduce computations	1. It Provides peer-to-peer confidentiality, integrity as well as privacy. 2. Permit large-scale computation on data items that derive from various resources and fit in to different data holder.	1. The produced results in are mixed with certain noise. 2. It is unable detain each computation performed by invalid code. 3. It unable to guard's susceptible data from the public cloud.
K. Zhang et.al [5]	**Sedic**- data privacy during map-reduce operations.	1. Effectively protect sensitive user data 2. Ease to use. 3. Fully preserved the scalability	1. Deficiency of scalability over big data. 2. Need to label the private data sets.
V. ciriani et. al. [8]	Combination of **Fragmentation** & **Encryption**	1. Effective enforcement 2. Establishment of privacy regulations	1. Protection of fragmented data may change over time. 2. confidentiality constraints
K. P. N. Puttaswamy et.al [6]	encrypt only metadata	1. Improve the confidentiality 2. minimize key management complexity	1 More overhead involve 2 highly sensible

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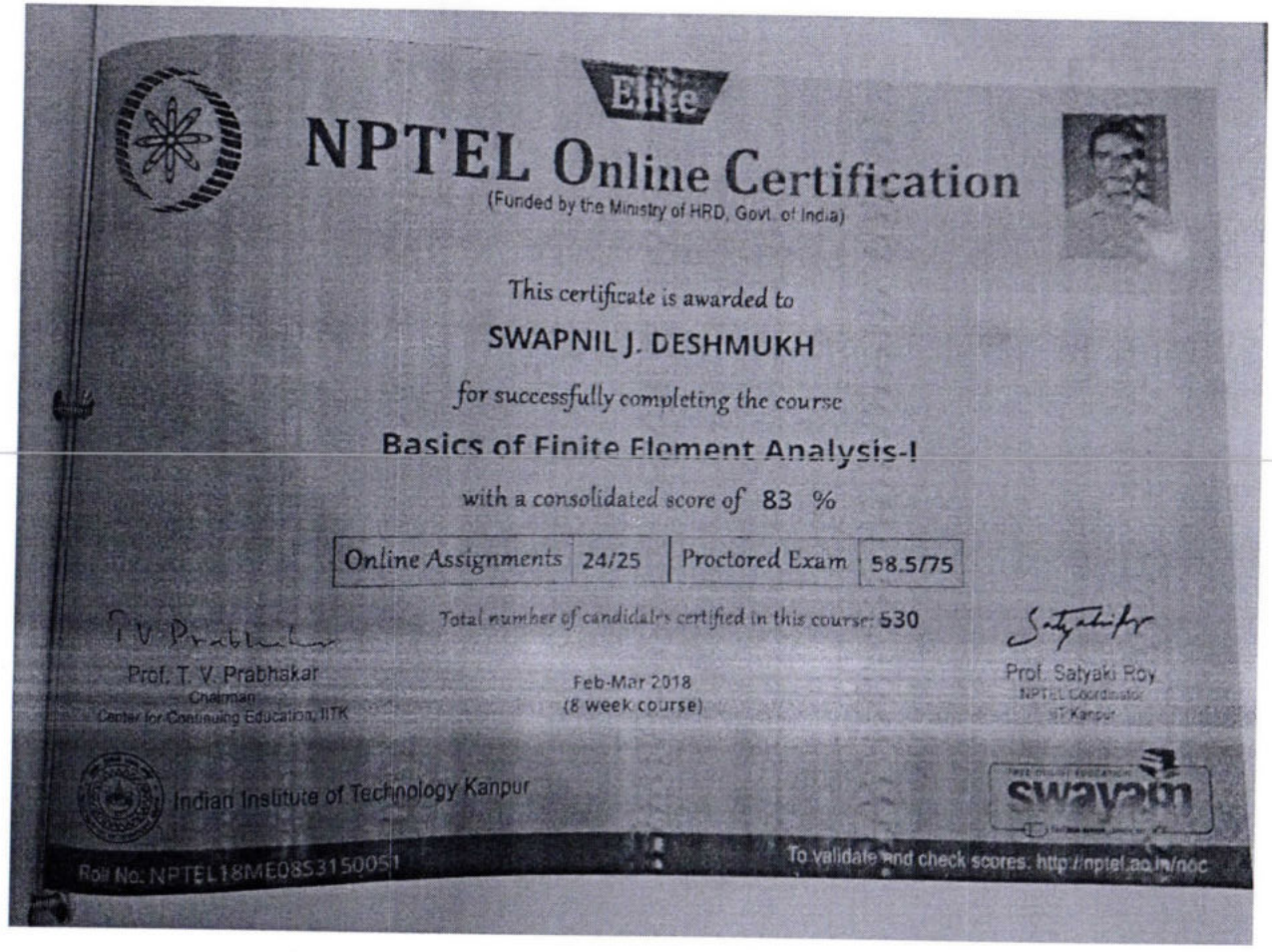

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To study the effect of inventory dependent consumption parameter for constant and time dependent holding cost

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Abstract. Economic production quantity models are effectively used to control inventory. In the present work EPQ model has been developed to study the effect of demand parameters on holding cost and total inventory. Demand used is inventory dependent during inventory buildup time and constant demand has been used during inventory depletion period. Rate of deterioration is considered to be constant. A numerical example has been included to validate the model. The sensitivity analysis shows that, higher inventory can attract customer to buy more. The result of models indicates that, the holding cost and total inventory is sensitive to change in inventory dependent demand parameter. Increase in demand parameter decreases the holding cost and total inventory.

1. Introduction

Every organization in many sectors of the economy has adopted some type of inventory system. Inventory is one of the most visible and tangible aspects of doing business. Unless inventories are controlled, they may be unreliable, inefficient and costly. The Economic Production quantity (EPQ model has been widely used for more than decades as an important tool to control the inventory. The EPQ is powerful to help practitioners and engineers to make a decision regarding inventory control. The complexity of a resulting EPQ model depends on assumptions one makes about various parameters of the inventory system.

The effect of an imperfect production process, by assuming different rates of deterioration during the production process, on the optimal cycle time had been studied by (Rosenblatt and Lee, 1986). The Economic order quantity (EOQ) model with power form of stock dependent demand for deteriorating items (Tung,*et.al*., 2005), investigated that the shape parameter of the demand and selling price is highly sensitive to optimal solution. The impact of random machine failure on the EPQ model (Tung, *et.al.* 2005) reveals the demand function and purchase cost is positive and fluctuating with time. The production process can shift at random from in control to out of control state. In such situation, the items produced out of control state deteriorate at higher rate than those at the normal rate, hence get consumed by demand under Last in First out (LIFO) policy (Clarry and Dohl, 2006). Bearhouse and Babar, developed (EPQ) model by considering both the depreciation cost of stored items and process quality cost. Depreciation cost and process quality cost were assumed to be a continuous function of holding time and of production run length. Yuan et.al (2011) derived the optimal manufacturing batch size and number of shipment with scrap using mathematical modeling and algebraic approach. Ata (2011) discussed EPQ model for multi products single machine with discrete delivery. Naja and Naiki focused on EPQ model with a production capacity limitation and a random defective production rate. Clede and Hui(2010) analyzed an EPQ model for deteriorating items with stochastic machine unavailability and price- dependent demand. Jinn(2007), used time varying demand and cost to analyze EPQ model and characterize the influences of both demand and cost over the length of production run time and the economic production quantity. Hezari (2008) developed EPQ model by considering imperfect and defective items. Holding cost for defective items has not been considered in his study.David et. al (2009) considered partial backordering with constant demand to study inventory model. Jiang Tao (2009) considered a multi-item inventory system, where the vendor provides delay in payment to the retailer . Yan (2007) established a model for deteriorating items under delay in payment, in which the demand is a negative exponential function of price. Jia (2009) reported a supply chain system with trade credit. Liao established an EPQ model for deteriorating items

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6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programmes organized for teaching staff	Title of the administrative training programmes organized for non teaching staff	Dates (from –to)	No. of Participants (Teaching staff)	No. of Participants (Non Teaching)
Department of Electronics & Telecommunication					
2017-18	One week STTP on "Research Trends in Communication Systems and Network using IoT with Hands-On on Raspberry Pi-3"	----	18th – 23rd June 2018	16	----
2017-18	Two day workshop on "Introduction and Hands-on Training on Raspberry Pi-3 and IoT"	----	8th – 9th November 2017	16	----
2017-18	3 - Days workshop on "Quadcopter and RC Plane Development"	----	23rd-25th September 2017	3	---
2017-18	One day workshop on "Operation and Getting Best from Lab Instruments"		14th June 2018	---	6
2017-18	Two days workshop on MS-Office		4th – 5th December 2017	---	6
Department of Computer Science & Engineering					
2017-18	Android Application Development by Mr. Nakul Deshmukh	-	20th- 23th Nov, 2017		7
2017-18	PHP Technology by Mr. Santosh Shelokar	-	31st July – 1st Aug. 2017		25
2017-18	One day training program on Linux installation	-	31st July – 1st Aug. 2017		09
Department of Mechanical Engineering					
2017-18	ISTE sponsored faculty development program on "Basics of Technical Research Paper Writing for Indexed Journal"	-	18th June to 23rd June 2018		45

Department of Civil Engineering					
2017-18	ISTE sponsored faculty development program on "Basics of Structural & Geotechnical Dynamics"	-	18th June to 23rd June 2018		39
Department of Electrical Engineering					
2017-18	ISTE sponsored faculty development program on "Applications of AI Techniques in Electrical Engg"	-	18th June to 23rd June 2018		38

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Session 2018-19

Name of professional development program	Number of teacher attended	Date and Duration
Short Term Training Course	**16**	**18th – 23rd June 2018 One week**

Sr. No.	Name of the Staff	Remark
1	Prof. R. D. Ghongade	
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3	Prof. U. W. Hore	
4	Prof. G. D. Naghoshe	
5	Prof. P. N. Pusdekar	
6	Prof. R. D. Sushir	
7	Prof. V. B. Padole	
8	Prof. B. R. Mankar	
9	Prof. S. P. Bhonge	
10	Prof. A. R. Pawadr	
11	Prof. A. P. Dhande	
12	Prof. S. K. Nanda	
13	Prof. M. P. Randive	
14	Prof. S. S. Bhutada	
15	Prof. R. Walli	
16	Prof. J. J. Zunzunwala	

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Session 2017-18

Name of professional development program	Number of teacher attended	Date and Duration
"Introduction and Hands-On Training on Raspberry Pi 3 & IoT"	**16**	**8th November 2017 & 9th November 2017**

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7	Prof. V. B. Padole	
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10	Prof. A. R. Pawadr	
11	Prof. A. P. Dhande	
12	Prof. S. K. Nanda	
13	Prof. M. P. Randive	
14	Prof. S. S. Bhutada	
15	Prof. R. Walli	
16	Prof. J. J. Zunzunwala	

Prof. R. D. Ghongade
H. O. D.

H.O.D. (EXTC Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

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P. R. Pote (Patil) Education & Welfare Trust's, Group ofInstitutions,

College of Engineering & Management, Amravati

Certificate

This is to certify that

Prof. A. R. Pawade

Attended a two days workshop on

"Introduction and Hands-On Training on Raspberry Pi 3 &IoT"

During 8th& 9th November 2017

Organized By

Department of Electronics and Telecommunication Engineering

Prof. R. D. Ghongade
HOD E&TC Engg.Dept

Dr. S. D. Wakde
Principal

Industrial Interaction

Sr. No.	Name of the Industry	Location	NO. of Students Visited	Session
1	Electronics Test and Development Centre, Mohali	B-108, Phase 8, Industrial Area, Sahibzada Ajit Singh Nagar, Punjab 140308	28	2017-18
2	The Semi-Conductor Laboratory, Mohali (SCL)	Department of Space, Govt. of India, Phase 8, Industrial Area, Sector 7 3, Sahibzada Ajit Singh Nagar, Punjab 160071	28	2017-18

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards Membership fee of professional bodies during the year

Sr. No.	Year	Name of Teacher	Department	Name of Conference/ workshop attended for which financial support provided	Name of professional body for which membership fee is provided	Amount of support
1	2017-18	Prof. G. D. Dalvi	EXTC	3-days workshop by UGC, HRDC held on 21st -23rd March, 2018	-	1000/-
2	2017-18	Prof. A. R. Pawade	EXTC	15 Days workshop on "Development and Installation of Solar System", held on 2nd – 17th January, 2018	-	5300/-
3	2017-18	Prof. G. D. Dalvi	EXTC	ICUBBEA, IEEE Conference at Pimpri Chichwad College of Engineering, Pune.	-	6000/-

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P. R. Pote (Patil) Education & Welfare Trust's, Group ofInstitutions,

College of Engineering & Management, Amravati

Certificate

This is to certify that

Prof. S. P. Bhonge

Attended a two days workshop on

"Introduction and Hands-On Training on Raspberry Pi 3 &IoT"

During 8th& 9th November 2017

Organized By

Department of Electronics and Telecommunication Engineering

Prof. R. D. Ghongade
HOD E&TC Engg.Dept

Dr. S. D. Wakde
Principal

- Due to equipments in commercial building tremendous amount of heat at such places day light elements are also means for this eat to escape.
- As the day light produces less heat than that of electric light & also elements of daylight provide means for heat escape it also reduces the cooling energy required , again resulting in the load on the electricity.

2DAY LIGHTING DESIGN:

Day lighting is an excellent light source for almost all interior and architectural spaces.Day lighting is the complete process of designing buildings to utilize natural Light. It is best for offices, schools, and workspaces requiring a lot of light and for public spaces such as malls, airports, and institutions. Windows, skylights, and other forms of fenestration are used to bring daylight into the interiors of buildings.Day lighting is using fenestration (windows and doors) as the primary source of illumination as a space. The electric lighting supplement the day lighting only as needed. The electric lighting should be turned off when it is not needed and yet able to provide adequate daylight when no daylight is available.Daylight design also include architectural elements such as light shelves and devices such as shades to properly control the quantity and the quality of the day lighting .

2.1 BASIC PRINCIPLES OF DAYLIGHTING DESIGN:

While day lighting design can be relatively technical, we can use the following Basic principles to develop designs that address day lighting opportunities:

1.Begin by planning the building such that every regularly occupied work or Living space has access to a window, skylight, or other source of natural light. Give high priority to windows that provide a view. Remember that the effective day lighted area extends into the building only about 2 times the width of a window and about 2 to 2.5 times its height.
2. Minimize the size of the east and west sides of the building and maximize the south and north sides of the building. Because of the seasonally varying Paths of the sun in the sky, it is difficult to design east- and west-facing windows. North-facing windows in the northern hemisphere present no solar Heating problems, and south-facing windows are the easiest to protect with Passive elements like overhangs, awnings, and light shelves.
3. If a large area of the building is not near a window, investigate top-light skylights in one-story buildings or the top floor of multistory buildings. Simple Top-light skylights should occupy 3% to 5% of the total roof area in order to Provide adequate levels of interior lighting.
4. Protect the interior from too much natural light—2.5 times or higher the Level of ordinary electric light—by employing appropriate window glass, Exterior shading devices, interior shading devices, or a combination of these.

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Department of Electronics and Telecommunication Engineering.

Session 2017-18

Name of professional development program	Number of teacher attended	Date and Duration
"QUADCOPTER & RC AIRCRAFT PLANE DEVELOPMENT	3	23rd to 25th September 2017.

Sr. No.	Name of the Staff	Remark
1	Prof. S. P. Bhonge	
2	Prof. A. R. Pawadr	
3	Prof. M. P. Randive	

Prof. R. D. Ghongade

H. O. D.

H.O.D. (E&TC Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

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P. R. Pote (Patil) Education & Welfare Trust's, Group ofInstitutions,

College of Engineering & Management, Amravati

Certificate

This is to certify that

Prof. M. P. Randive

Attended a two days workshop on

""QUADCOPTER & RC AIRCRAFT PLANE DEVELOPMENT"

During 23rd to 25th September 2017

Organized By

Department of Electronics and Telecommunication Engineering

Prof. R. D. Ghongade

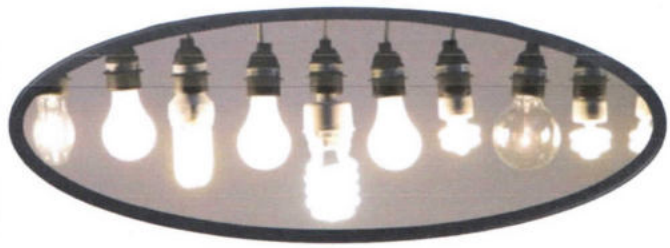
HOD E&TC Engg.DeptPrincipal

Dr. S. D. Wakde

1) DAY LIGHTING DESIGN



2) ARTIFICIAL LIGHTING DESIGN



WHY DAYLIGHT:

- Every building has different requirement, needs and constants, many reason can justify considering daylight as a light source in both residential and commercial buildings.
- When properly designed and effectively integrated with the electric lighting system, day lighting can offer significant energy savings by offsetting a portion of the electric lighting load.
- In a survey it was found that 40% to 50% of its cost of the building could be saved, per annum, which is spend on illumination, by providing proper day light and this was found true in most of the commercial buildings as well as residential buildings.
- Day light is both an art & science that is both a design element and an environmental system.
- As an design element it can enhance aesthetic quality of building.
- Day light can effect the functional arrangement of spaces, occupent comfort (Visual & thermal).
- Most often daylight is used as either a primary or a secondary interior illuminant.
- In case of incandescence light, only about 10% of the input energy is emitted as light the rest is converted into some form of heat energy.
- In case of fluorescent it is only 20% to 30% of input energy emitted as light & rest is converted into form of heat.
- Because day light is more efficient at providing light than most electric source available , even less amount of heat is produced.

P. R. Pote (Patil) Education & Welfare Trust's, Group ofInstitutions,

College of Engineering & Management, Amravati

Certificate

This is to certify that

Prof. A. R. Pawade

Attended a two days workshop on

""QUADCOPTER & RC AIRCRAFT PLANE DEVELOPMENT"

During 23rd to 25th September 2017

Organized By

Department of Electronics and Telecommunication Engineering

Prof. R. D. Ghongade

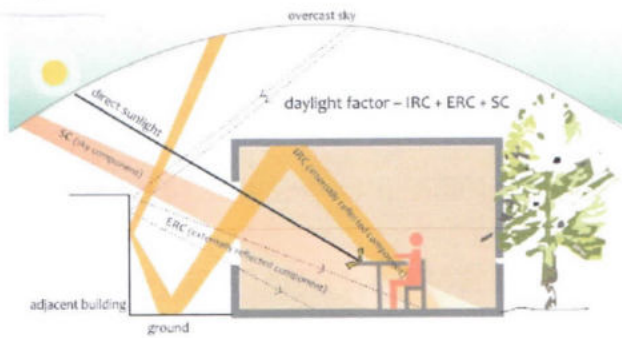
HOD E&TC Engg.DeptPrincipal

Dr. S. D. Wakde

1.1HISTORY OF LIGHTING DESIGN:

For the most part of the history of mankind, from the origins of man up to the 18.century, there were basically two sources of light available. The older one of these two is daylight, -the medium by which we see and to whose properties the eye has adapted over millions of years. A considerable time elapsed before the Stone Age, with its development of cultural techniques and tools, added the flame as a second, artificial light source. From this time on lighting conditions remained the same for a considerable time.

Lighting was limited to daylight and flame and it was for this very reason that man has continued to perfect the application of these two light sources for tens of thousands of years.



1.2 CONCEPT OF LIGHTING DESIGN:

Architectural lighting design focuses on three fundamental aspects of the illumination of buildings or spaces.

The first is the aesthetic appeal of a building, an aspect particularly important in the illumination of retail environments.

Secondly, the ergonomic aspect: the measure of how much a function the lighting plays.

Thirdly is the energy efficiency issue to ensure that light is not wasted by over-illumination, either by illuminating vacant spaces unnecessarily or by providing more light than needed for the aesthetics.

Each of these three aspects is looked at in considerable detail when the lighting designer is at work. The functional aspects of the project can encompass the need for the project to be visible (by night mostly, but also by day), the impact of daylight on the project and safety issues (glare, color confusion etc.).

1.3 TYPES OF LIGHTING SOURCE:

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Department of Electronics and Telecommunication Engineering.

Session 2017-18

Name of professional development program	Number of teacher attended	Date and Duration
"Operation and Getting Best from Lab Instrument's"	**6**	**14th June 2018**

Sr. No.	Name of the Staff	Remark
1	Mr. Ramdas Kolhe	
2	Mr. Vivek Dhaskat	
3	Mr. Rushikesh Kadu	
4	Mr. Mahesh Tayde	
5	Mr. Ankush Ghormade	
6	Mr. Amit Baitule	

Prof. R. D. Ghongade
H. O. D.

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P. R. Pote (Patil) Education & Welfare Trust's, Group ofInstitutions,

College of Engineering & Management, Amravati

Certificate

This is to certify that

Mr. Ramdas Kolhe

Attended a two days workshop on

"Operation and Getting Best from Lab Instrument's"

On 14th June 2018

Organized By

Department of Electronics and Telecommunication Engineering

Prof. R. D. Ghongade
HOD E&TC Engg.Dept

Dr. S. D. Wakde
Principal

P. R. Pote (Patil) College of Engineering & Management, Amravati

Activity/ Feedback Action Taken Report Format 2018-19

The Action Taken Report (ATR) is compiled after completion of activities. Activities may include, meetings, feedback collected and analyzed. It states the various actions based on the discussions/responses. It is usually submitted after a time gap. This ensures that there is adequate time to act on the matters discussed in the report.

ATR For Subject Faculty Feedback:

- Decide the threshold value where action taken report is generated.
- Action taken measures may be for feedback received above and below the threshold value of Feedback.
- Under action taken- Appreciation letter, show cause letters to be mentioned
- Action taken statement to be prepared for the competent authority for example "Feedback is communicated to competent authority"
- Action taken is suggested from Head of Department to the individual faculty for example "The teachers were advised to strengthen the areas of concern highlighted in the student feedback report by attending concerned refresher programs, STTPs, FDPs etc."

ATR For Activity Feedback:

- Decide the threshold value where action taken report is generated.
- Action taken measures may be for feedback received above and below the threshold value of Feedback.
- Action taken statement to be prepared for the competent authority for example "Feedback is communicated to competent authority"
- Action taken is suggested from Head of Department/ Activity in charge for the participant's issues raised/suggestions/lower attainment of questions.

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Certificate

This is to certify that

Mr. Vivek Dhaskat

Attended a two days workshop on

"Operation and Getting Best from Lab Instrument's"

On 14th June 2018

Organized By

Department of Electronics and Telecommunication Engineering

Prof. R. D. Ghongade

HOD E&TC Engg.DeptPrincipal

Dr. S. D. Wakde

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DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Course Plan

1) Course overview:

Course Title:	**Power Electronics & Drives**			**Name of Faculty**	Prof. R.D.Ghongade
Course Code:	**5ET2**	**Course Abbreviation:**	PE&D	**Theory(Hrs/week)**	4hrs / week
Class:	3rd year Vsem			**Academic Year**	2020-21

2) Teaching & Examination Scheme :

Teaching Scheme(Hrs)			**Examination Scheme (Marks)**								
				Theory							
Theory	Tutorial	Practical	Paper Hr.	Ext	Int.	Total	**Credits**	External Assessment	Internal Assessment	TOTAL	**Credits**
04	00	02	3hr	80	20	100	4	25	25	50	1

3) Course Content:

Unit No.	**Title/Details**	**No. of Lectures required**	**Teaching Method/Media**
Unit - I	Introduction &Thyristor Family Devices	10	White Board
Unit - II	Phase controlled Rectifiers	08	White Board
Unit - III	Inverter Circuits	09	White Board
Unit - IV	Chopper Circuits	08	White Board
Unit - V	DC motors	08	White Board
Unit - VI	Single Phase Induction motors	08	White Board

Text Book:

1) M. Ramamoorthy, Thyristor and their application.
2) M. H. Rashid - Power Electronics Circuits, Devices and Application, Pearson Edu.
3) B. L. Theraja. "Electrical Technology", Volume-2, S. Chand Publications.

Reference Books:

1) Joseph Vithayathil, "Power Electronics: Principles and Applications", McGraw-Hill
2) J. S. Katre, Power Electronics, Tech-max Pub. Pune
3) K. HariBabu – Power Electronics, Scitech Pub.
4) Ned Mohan, Tore M. Undeland, William P. Robbins, "Power Electronics: Converters, Applications, and Design",

P. R. POTE (PATIL) COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI

Department of Electronics and Telecommunication Engineering.

Session 2017-18

Name of professional development program	Number of teacher attended	Date and Duration
"Two days workshop on MS-Office"	**6**	**4th – 5th, December 2017**

Sr. No.	Name of the Staff	Remark
1	Mr. Ramdas Kolhe	
2	Mr. Vivek Dhaskat	
3	Mr. Rushikesh Kadu	
4	Mr. Mahesh Tayde	
5	Mr. Ankush Ghormade	
6	Mr. Amit Baitule	

Prof. R. D. Ghongade

H. O. D.

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Amravati.

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P. R. Pote (Patil) Education & Welfare Trust's, Group of Institutions,

College of Engineering & Management, Amravati

Certificate

This is to certify that

Mr. Rushikesh Kadu

Attended a two days workshop on

"Two days workshop on MS-Office"

During 4th – 5th, December 2017

Organized By

Department of Electronics and Telecommunication Engineering

Prof. R. D. Ghongade
HOD E&TC Engg.Dept

Principal
Dr. S. D. Wakde

The amount produced by IC2 amplifies in an amount to the temperature by 10 mV per degree. This unstable voltage is supply to a comparator IC 741. OP Amplifier is the most generally used electronic devices today. The IC 741 op-amp is one sort of differential amplifier. We have used IC741 as a non-inverting amplifier which means pin-3 is the input and the output is not inverted. This LM35 temperature sensor circuit amplifies the difference between its input terminals. The advantages of temperature sensor include It has no effect on the medium, more accurate, It has an easily conditioned output and It responds instantly.

LM35 is an integrated analog temperature sensor whose electrical output is proportional to Degree Centigrade. LM35 Sensor does not require any external calibration or trimming to provide typical accuracies. The LM35's low output impedance, linear output, and precise inherent calibration make interfacing to readout or control circuitry especially easy. The LM35-series devices are precision integrated-circuit temperature sensors, with an output voltage linearly proportional to the Centigrade temperature.

Features of LM35 Temperature Sensor

1. Calibrated directly in Degree Celsius (Centigrade).
2. Linear at 10.0 mV/°C scale factor.
3. 0.5°C accuracy guarantee-able (at a25°C).
4. Rated for full -55°C to a 150°C range.
5. Suitable for remote applications.
6. Low cost due to wafer-level trimming.
7. Operates from 4 to 30 volts.
8. Less than 60 mA current drain.
9. Low self-heating, 0.08°C install air.
10. Non-linearity only 0.25°C typical.
11. Low impedance output, 0.1Ωfor 1 mA load.

Applications

1. Power Supplies.
2. Battery Management.
3. HVAC.
4. Appliances.

P. R. Pote (Patil) Education & Welfare Trust's, Group of Institutions,

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Certificate

This is to certify that

Mr. Mahesh Tayde

Attended a two days workshop on

"Two days workshop on MS-Office"

During 4th – 5th, December 2017

Organized By

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Prof. R. D. Ghongade
HOD E&TC Engg.Dept

Dr. S. D. Wakde
Principal

Pin Number	Pin Name	Description
1	Vcc	Input voltage is +5V for typical applications.
2	Analog Out	There will be the increase in 10mV for raise of every 1°C. Can range from -1V(-55°C) to 6V(150°C)
3	Ground	Connected to ground terminal of the circuit.

Table 3.2: Pin Description of LM35.

LM35 Temperature Sensor Circuit Diagram

The LM35 temperature sensor is used to detect precise centigrade temperature. The output of this sensor changes describes the linearity. The o/p voltage of this IC sensor is linearly comparative to the Celsius temperature. The operating voltage range of this LM35 ranges from-55° to +150°C and it has low-self heating. This is operated under 4 to 30 volts. The most extensively used electronic devices are operational amplifiers, which are certain kind of differential amplifiers. Temperature sensor circuit has terminals such as two inputs like non-inverting (+) and inverting (-) and only one output pin. Operational amplifier IC741 is used as a non-inverting amplifier. The variation between the i/p terminals amplifies the circuit.

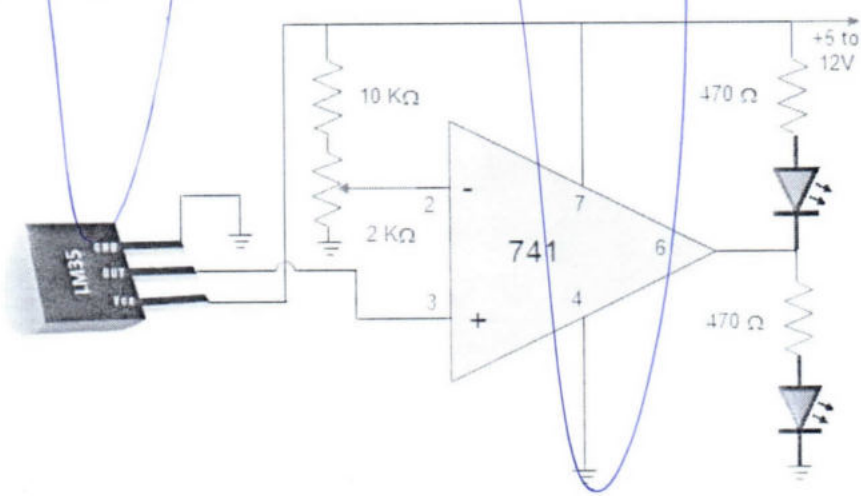

Fig.3.9:LM35 Circuit Diagram.

To

The Coordinator

IQAC Cell

P.R.Pote College of Engineering and Management

Amravati.

Subject: Justification for Correction of information provided in IQAC report for NAAC criterion no. 6.3.2 and in 6.3.3 of CSE Department.

Respected Sir

As per the IQAC report of Computer Science and Engineering Department of our P.R.P.C. E & M submitted to NAAC for the year **2017-18,** it is been observed that in **criterion No. 6.3.2**, The number of participants for "Android Application Development" by Mr.Nakul Deshmukh" and "PHP Technology" by Mr.Santosh Shelokar is mistakenly entered in Non Teaching column i.e **07 and 25 respectively which should be in No.of Participants in Teaching Staff column.** Also in **6.3.3 table** the names of professional development programmes, title of two FDP are " Workshop on Android Application Development 2017" and " FDP Android Application". **These two titles should be corrected as Faculty Development Program on "Android Application Development".** I request you to make necessary corrections if possible in your record if not please consider the original documents for the same.

Thanking you in anticipation.

Dhawale

Dr.C.A.Dhawale

Prof.D.C.Dhanwani

In charge

NACC Criterion 6

CSE Department

Dr.A.B.Gadicha

Head, Department of CSE

HOD (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote (Patil) Educational and Welfare Trust's, Group of Institutions, College of Engineering and Management, Amravati

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Faculty Development Program On

"ANDROID APPLICATION DEVELOPMENT"

During 21st Nov 2017 to 25th Nov 2017

List of Faculties Registered

Sr. No.	Name of Faculty	Dept.	Contact No.
1	Prof. S.S. Sagane	CSE	9405419628
2	Prof. S. R. Kale	CSE	7350780183
3	Prof. P. B. Sambhare	CSE	9850687332
4	Prof. D. C. Dhanawani	CSE	9665745757
5	Prof. K. B. Bijwe	CSE	9923914211
6	Prof. P. V. Kale	CSE	7507182697
7	Prof. S.S. Deshmukh	CSE	7709261848

HOD

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P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote Patil Education & Welfare Trust's
College of Engineering & Management, Amravati

Certificate

This is to certify that

Mr / Ms. Prafull B. Sambhare **has successfully completed One Week Faculty Development Program from 21st Nov to 25th Nov 2017 on** Android Application Development, **Organized by Department of Computer Science & Engineering, P. R. Pote College of Engineering & Management in Association with CSI (Amravati Chapter) & i-Base Electrosoft LLP.**

Prof. F. M. Shelke FDP, Coordinator Department of CSE	Prof. V. B. Gadicha H. O. D. Department of CSE	Mr. Nayan Deshmukh Director i-Base Electrosoft LLP	Dr. G. R. Bamnote Chairman, CSI Amravati Chapter	Dr. S. D. Wakde Principal PRPCEM.,Amravati

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P. R. Pote Patil Education & Welfare Trust's
College of Engineering & Management, Amravati

Certificate

This is to certify that

Mr / Ms. Prachi V. Kale **has successfully completed One Week Faculty Development Program from 21st Nov to 25th Nov 2017 on** Android Application Development, **Organized by Department of Computer Science & Engineering, P. R. Pote College of Engineering & Management in Association with CSI (Amravati Chapter) & i-Base Electrosoft LLP.**

Prof. F. M. Shelke *FDP, Coordinator* *Department of CSE*	**Prof. V. B. Gadicha** H. O. D. Department of CSE	**Mr. Nak[illegible] Deshmukh** Director i-Base Electrosoft LLP	**Dr. G. R. Bamnote** Chairman, CSI Amravati Chapter	**Dr. S. D. Wakde** Principal PRPCEM., Amravati

P. R. Pote (Patil) Educational and Welfare Trust's, Group of Institutions, College of Engineering and Management, Amravati

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Faculty Development Program on "PHP" during 31/07/17 and 01/08/17

List of Faculties Registered

Sr. No.	Name of Faculty	Contact No.
1	Prof. V. B. Gadicha	9423622833
2	Prof. M. S. Burange	9970460772
3	Prof. K. B. Bijwe	9923914211
4	Prof. P. B. Sambhare	9850687332
5	Prof. K. K. Chhajed	9860744664
6	Prof. S. S. Sagane	9405419628
7	Prof. D. C. Dhanwani	9665745757
8	Prof. A. R. Ladole	9096460730
9	Prof. C. S. Deshmukh	9922039282
10	Prof. M. N. Haque	8459377783
11	Prof. S. R. Sontakke	8087881284
12	Prof. S. S. Deshmukh	7709261848
13	Prof. A. K. Jamnekar	9423848191
14	Prof. N. E. Karale	7507799860
15	Prof. A. D. Chokhat	9861066636
16	Prof. P. V. Kale	7507182697
17	Prof. A. A. Tayade	8862037114
18	Prof. F. M. Shelke	9860599646

19	Prof. V. B. Bhagat	7028026875
20	Prof. P. D. Soni	7588254772
21	Prof. C. J. Shelke	9975066172
22	Prof . P P Pawade	8149870522
23	Prof. A. S. Kapse	9767670678
24	Prof. A. B. Gadicha	9422342543
25	Prof. A. V. Dahat	9096661912

HOD

H.O.D. (Comp. Dept.)
...R.Pote (Patil) College of Engg. & Manage...
Amravati.

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Certificate

Where The Future Begins....

SSIT Pvt. Ltd.

Swaranjal Selokar Information Technology Pvt. Ltd.

P. R. Pote (Patil) Education & Welfare Trust's College of Engineering & Management

This is to certify that

Mr./Ms. **Prof. Praful B. Sambhare**

Certificate No. : SS4189

Has successfully completed Two Days Training Program on "PHP TECHNOLOGY" from 31st July 2017 to 01st August, 2017 at P. R. Pote (Patil) Education & Welfare Trust's College of Engineering & Management.

Date : 1st August 2017

Prof. S. S. Sagane
Workshop Co-ordinator

Prof. V. B. Gadicha
HOD

Mr. Santosh Selokar
Director
SSIT Pvt. Ltd. Nagpur

Regd. office : 15, Muskan-Varsha Apartment,
Parekh Layout, Nelco Society Main Road,
Trimurti Nagar, Nagpur-22

Certificate

Where The Future Begins...

SSIT Pvt. Ltd.

Swaranjal Selokar Information Technology Pvt. Ltd.

P. R. Pote (Patil) Education & Welfare Trust's College of Engineering & Management

This is to certify that

Certificate No. : SS4187

Mr./Ms. **Prof. Komal B.Bijwe**

Date : 1st August 2017

Has successfully completed Two Days Training Program on "PHP TECHNOLOGY" from 31st July 2017 to 01st August, 2017 at P. R. Pote (Patil) Education & Welfare Trust's College of Engineering & Management.

Prof. S. S. Sagane
Workshop Co-ordinator

Prof. V. B. Gadicha
HOD

Mr. Santosh Selokar
Director
SSIT Pvt. Ltd. Nagpur

Selokar Information Technology Pvt. Ltd. Nagpur-15

Regd. office : 15, Muskan-Varsha Apartment,
Parekh Layout, Nelco Society Main Road,
Trimurti Nagar, Nagpur-22

P. R. Pote (Patil) Educational and Welfare Trust's, Group of Institutions,

College of Engineering and Management, Amravati

Linux Installation Workshop

List of Participants Registered

Sr. No.	Name of Partcipant	Dept.	Contact No.
1	Mr. Nilesh M. Talokar	CSE	9096310981
2	Mr. Ritesh R. Amzare	CSE	9823856240
3	Mr. Aniket M. Bijwe	CSE	9527977809
4	Mr. Harish Palsokar	CSE	90211315623
5	Mr. Vikas Gogate	CSE	9372220580
6	Mr. Pankaj Samudre	CSE	9860239627
7	Mr. Suyesh Deshmukh	CSE	8830354327
8	Mr. Amol Reche	CSE	8484804904
9	Mr. Sachin Shah	CSE	9403811927

for H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

HOD

P. R. Pote Patil

College of Engineering & Management, Amravati

Department of Computer Science & Engineering

CERTIFICATE

This is to certify that

Linux

Mr. Ritesh R. Amzare

has participated in the One Day Workshop on

Linux Installation

organised by P. R. Pote Patil College of Engineering and Management
Department of Computer Science & Engineering.

Date: 09/12/2017

Prof. S. S. Sagane	Prof. P. D. Soni	Prof. V. B. Gadicha	Dr. S. D. Wakde
Coordinator	Organizer	HOD, CSE	Principal

P. R. Pote Patil

College of Engineering & Management, Amravati

Department of Computer Science & Engineering

NAAC

CERTIFICATE

This is to certify that

Linux

Mr. Aniket M. Bijwe

has participated in the One Day Workshop on

Linux Installation

organised by P. R. Pote Patil College of Engineering and Management
Department of Computer Science & Engineering.

Date: 09/12/2017

Prof. S. S. Sagane **Coordinator**	**Prof. P. D. Soni** **Organizer**	**Prof. V. B. Gadicha** **HOD, CSE**	**Dr. S. D. Wakde** **Principal**

Date : 17/06/2021

To

The NAAC criteria 06 Incharge

PRPCEM

Amravati

Subject: Regarding Submission of Documents.

Respected Madam,

I, the undersigned criteria in charge of NAAC criteria-6 for Mechanical Department is submitting Documents related to criteria 06 of the year 2017-18, 2018-19 & 2019-20 for your kind Consideration.

Thanking You

Remark:

1.IQAR 2017-18 shown that the ,ISTEsponsored STTP program was conducted for Non Teaching Staff members of the department which in fact was not conducted ,so we cannot produce documentary evidence for the same.

Regards

Mr.R.S.Pokale

Criteria 06 Incharge

Dr.P.R.Wadnerkar

HoD

Mech. Dept.)
P.R. Pote (Patil) College of Engg. & Management
Amravati.

Date : 28/06/2021

To

The NAAC criteria 06 Incharge

PRPCEM

Amravati

Subject: Regarding Submission of Documents.

Respected Madam,

I, the undersigned criteria in charge of NAAC criteria-6 for Civil Engg Department is submitting Documents related to criteria 06 of the year 2017-18, 2018-19 & 2019-20 for your kind Consideration.

Thanking You

Remark:

1.IQAR 2017-18 shown that the ISTE sponsored STTP program was conducted for Non Teaching Staff members of the department which in fact was not conducted, so we cannot produce documentary evidence for the same.

Regards

S.V. Pawar

Dr. S. S. Saraf

HOD

H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions
College of Engineering & Management, Amravati

DEPARTMENT OF CIVIL ENGINEERING

National Assessment and Accreditation Council (NAAC)

Annual Quality Assurance Report

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.3.2 Number of professional development/ administrative training programs organized by the college for teaching and nonteaching staffs

2017-18

Title of Program: Basics of structural and geotechnical dynamics.

Date: 18.06.18 to 23.06.2018

List of Participants

Sr. No	Name of Faculty	Teaching	Non Teaching
1	Prof. Mohammad Zuhair	√	--
2	Prof. S. S. Saraf	√	--
3	Prof. N. P. Bhopale	√	--
4	Prof. S. V. Dhoke	√	--
5	Prof. S. V. Pawar	√	--
6	Prof. M. A. Rehman	√	--
7.	Prof. P. N. Deshmukh	√	--
8.	Prof. S. C. Sagne	√	--
9	Prof. A. K. Chitkeshwar	√	--
10	Prof. R. D. Wadhai	√	--
11	Prof. T. S. Junghare	√	--
12	Prof. V. S. Umap	√	--
13	Prof. V. R. Mahalle	√	--
14	Prof. P. S. Gandhak	√	--
15.	Prof. Pallavi Deshmukh	√	--

16	Prof. N. A. Gadhage	√	--
18	Prof. A. R. wadnerkar	√	--
19	Prof. R. S. Pagrut	√	--
20	Prof. Amrin Ali	√	--
21	Prof. N. K. Chavhan	√	--
22	Prof. M. S. Deshmukh	√	--

H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati

HOD
Civil Engineering

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutes,
College of Engineering & Management, Amravati

Department of Civil Engineering

Short Term Training Programme

"BASICS OF STRUCTURAL & GEOTECHNICAL DYNAMICS"

Certificate of Participation

This is to certify that Vaibhav S. Umap

From PRPCE & M, Amravati

has successfully participated in one week short term training programme on

"Basics of Structural & Geotechnical Dynamics"

ISTE Approved (Self sponsored) from 18th June to 23rd June 2018

Prof. Nilesh Bhopale
Co-ordinator

Prof. Sachin Saraf

Prof. Mohammad Zuhair
H.O.D.

Dr. S.D. Wakde
Principal

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutes,
College of Engineering & Management, Amravati

Department of Civil Engineering

Short Term Training Programme

"BASICS OF STRUCTURAL & GEOTECHNICAL DYNAMICS"

Certificate of Participation

This is to certify that Rina R. Chadhai

From P.R.P.C.E. & M, Amravati

has successfully participated in one week short term training programme on

"Basics of Structural & Geotechnical Dynamics"

ISTE Approved (Self sponsored) from 18th June to 23rd June 2018

Prof. Nilesh Bhopale
Co-ordinator

Prof. Sachin Saraf

Prof. Mohammad Zuhair
H.O.D.

Dr. S.D. Wakde
Principal

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P. R. Pote (Patil) Education & Welfare Trust's Group of Institutes,
College of Engineering & Management, Amravati

Department of Civil Engineering

Short Term Training Programme

"BASICS OF STRUCTURAL & GEOTECHNICAL DYNAMICS"

Certificate of Participation

This is to certify that Manish S. Deshmukh

From PRPCE&M, Amravati.

has successfully participated in one week short term training programme on

"Basics of Structural & Geotechnical Dynamics"

ISTE Approved (Self sponsored) from 18th June to 23rd June 2018

Prof. Nilesh Bhopale
Co-ordinator

Prof. Sachin Saraf

Prof. Mohammad Zuhair
H.O.D.

Dr. S.D. Wakde
Principal

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutes,
College of Engineering & Management, Amravati

Department of Civil Engineering

Short Term Training Programme

"BASICS OF STRUCTURAL & GEOTECHNICAL DYNAMICS"

Certificate of Participation

This is to certify that Prof. Tejaswini S. Junghare

From P.R.P.C.E & M Amravati

has successfully participated in one week short term training programme on

"Basics of Structural & Geotechnical Dynamics"

ISTE Approved (Self sponsored) from 18th June to 23rd June 2018

Prof. Nilesh Bhopale
Co-ordinator

Prof. Sachin Saraf

Prof. Mohammad Zuhair
H.O.D.

Dr. S.D. Wakde
Principal

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutes,
College of Engineering & Management, Amravati

Department of Civil Engineering

Short Term Training Programme

"BASICS OF STRUCTURAL & GEOTECHNICAL DYNAMICS"

Certificate of Participation

This is to certify that Prof. M. A. Rehman

From P.R.P.C.E & M. Amravati

has successfully participated in one week short term training programme on

"Basics of Structural & Geotechnical Dynamics"

ISTE Approved (Self sponsored) from 18th June to 23rd June 2018

Prof. Nilesh Bhopale
Co-ordinator

Prof. Sachin Saraf

Prof. Mohammad Zuhair
H.O.D.

Dr. S.D. Wakde
Principal

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutes,
College of Engineering & Management, Amravati

Department of Civil Engineering

Short Term Training Programme

"BASICS OF STRUCTURAL & GEOTECHNICAL DYNAMICS"

Certificate of Participation

This is to certify that Prof. Nilesh P. Bhople

From P.R.P.C.E & M Amravati

has successfully participated in one week short term training programme on

"Basics of Structural & Geotechnical Dynamics"

ISTE Approved (Self sponsored) from 18th June to 23rd June 2018

Prof. Nilesh Bhopale
Co-ordinator

Prof. Sachin Saraf

Prof. Mohammad Zuhair
H.O.D.

Dr. S.D. Wakde
Principal

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutes,
College of Engineering & Management, Amravati

Department of Civil Engineering

Short Term Training Programme

"BASICS OF STRUCTURAL & GEOTECHNICAL DYNAMICS"

Certificate of Participation

This is to certify that Dr. Mohammad Zuhair

From P.R.P.C.E & M Amravati.

has successfully participated in one week short term training programme on

"Basics of Structural & Geotechnical Dynamics"

ISTE Approved (Self sponsored) from 18th June to 23rd June 2018

Prof. Nilesh Bhopale
Co-ordinator

Prof. Sachin Saraf

Prof. Mohammad Zuhair
H.O.D.

Dr. S.D. Wakde
Principal

P.R.Pote (Patil) Education & Welfare Trust's Group of Institutions
College of Engineering & Management, Amravati
Electrical Engineering Department
Session 2017-18
STTP on "Application of AI Techniques in Electrical Engineering"
Certificate Issue List (Non-Teaching)

Sr.No	Name of the Faculty	Signature
01	Mr.Vaibhav M. Nichal	
02	Mr.Rahul R. Pavitrakar	
03	Mr.Dipak P. Kandalkar	
04	Mr.Ajay M. Deshmukh	
05	Mr.Vivek B. Vaidya	
06	Rupwansh S. Tehere	
07	Mr. Aniket S. Awghal	
08	Mr.Anup R. Sonekar	
09	Mr.Anil S. Dharmale	
10	Nilesh V. Sarkate	
11	Sunil V. Nandurkar	
12	Mr.Ritesh Amzare	
13	Mr.Amol D. Ingle	
14	Mr. Nilesh Talokar	
15	Mr.Aniket M. Bijwe	
16	Mr. Harish S. Palsokar	
17	Mr.Vikas R. Gogate	
18	Mr. Mahesh J. Tayade	
19	Mr. Ankush P. Ghormade	
20	Mr. Rushikesh A. Kadu	
21	Mr.Amit S. Baitule	
22	Ramdas S. Kolhe	
23	Vivek D. Dhaskat	
24	Mr.Amol Ghom	
25	Mr.Mahendra L. Sawale	
26	Mr. Sagar P. Bhagwatkar	
27	Rahul Kantole	
28	Mr.Gopal M. Mahajan	
29	Mr.Yogesh S. Gadwal	
30	Mr. Mangesh Chandrabhanji Aswar	
31	Mr. Amol W. Reche	
32	Mr. Tushar A. Sadar	
33	Mr.Pravin D. Bhagat	
34	Mr.Dilip G. Pokle	
35	Mr.Sachin Jadhav	
36	Mr.Kamlesh R. Thakur	
37	Mr.Shubham P. Dhandar	
38	Mr. Nilesh R. Lale	

H.O.D. (Elect. Dept.)
P.R.Pote (Patil) College of Engg. & Managem.

H.O.D(EE)

P. R. Pote (Patil) Group of Education & Welfare Trust's
College of Engineering & Management , Amravati

Accredited with "Grade A" by NAAC Approved by AICTE, New Delhi and affiliated to Sant Gadge Baba Amravati University, Amravati (M.S.)

CERTIFICATE

This is to certify that,

Mr. Vaibhav Nichat

From P. R. Pote (Patil) College of Engineering & Management, Amravati has attended a ISTE sponsored faculty development program on **"Applications of AI Techniques in Electrical Engineering"** during 18/06/2018 to 23/06/2018.

Certificate ID: PRPCEM/EE/AI-033

Dr. A. S. Telang	**Prof. D.A.Shahakar**	**Dr. S. D. Wakade**
Programme Convenor	**HOD(EE)**	**Principal**

P. R. Pote (Patil) Group of Education & Welfare Trust's
College of Engineering & Management , Amravati

Accredited with "Grade A" by NAAC Approved by AICTE, New Delhi and affiliated to Sant Gadge Baba Amravati University, Amravati (M.S.)

CERTIFICATE

This is to certify that,

Mr. Rupwansh Tehare

From P. R. Pote (Patil) College of Engineering & Management, Amravati has attended a ISTE sponsored faculty development program on **"Applications of AI Techniques in Electrical Engineering"** during 18/06/2018 to 23/06/2018.

Certificate ID: PRPCEM/EE/AI-031

Dr. A. S. Telang	**Prof. D.A.Shahakar**	**Dr. S. D. Wakade**
Programme Convenor	**HOD(EE)**	**Principal**

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

Index

Session 2017-18

6.3.3 Number of teachers attending professional development programs, viz Orientation programmes, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Sr. No.	Particulars	Page No.
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3.	EXTC	303-309
4.	CSE	310-332
5.	Mechanical	333-359
6.	Civil	360-362
7.	Electrical	363-365

6.3 Faculty Empowerment Strategies

6.3.3 Number of teachers attending professional development programs, viz Orientation programmes, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Name of professional development progammes	Number of teacher attended	Date and Duration
Department of Electronics & Telecommunication		
Orientation Programmes	1	21st -23rd March, 2018 3 Days
Refresher courses	---	---
Faculty Development Programme	---	---
Short Term Course	16	18th – 23rd June 2018 One week
	02	21th – 23rd June 2018 One week
Department of Computer Science & Engineering		
National Cyber Defence Summit 2017	2	2017
Big Data & IOT Convergence	2	2017
International Conference on Computing , Communication ,Control & Automation ICCUBEA 2017	1	2017
ICCMC 2018	3	15-16 Feb 2018
ICCTCT 2018	3	1-3 March 2018
Workshop on Android Application Development 2017	7	2017
PHP Workshop	25	2017
Introduction & hand-on traning on raspbery pi 3 & IoT	7	2017
FDP Android application	7	2017
Empowerment academic excellence with an overview of Industry	2	2017
Industry Interaction Meet 2017 BDCOET, Wardha	1	12-Apr-17
Department of Mechanical Engineering		
Renewable Energy source for Sustainable Development:Need, Technologiesand Policies	5	25-30 Dec 2017
International conference on industrial engineering	2	21– 23 Dec 2017
Rapid Prototyping for Industrial and Medical Applications	3	11-22 Dec 2017
Empowering Academic Excellence with an Overview of Industry 4.0	4	21-23 Dec 2017
Empowering Academic Excellence with	4	21-23 Dec 2017

an Overview of Industry 4.0		
Research Oriented training program on CNC machine	7	14-18 Dec 2017
TEQIP – III Sponsored Workshop on Engineering Design Optimization including Multi Disciplinary Optimization	2	4 – 8 June 2018
Finite Element Modeling Research & Industrial Application	4	21 – 26 June 2018
Department of Civil Engineering		
ISTE sponsored faculty development program on "Basics of Structural & Geotechnical Dynamics"	13	19-23 June 2018
Department of Electrical Engineering		
ISTE sponsored faculty development program on "Applications of AI Techniques in Electrical Engineering"	20	19-23 June 2018

Dr. Rajendra Gode Institute of Technology & Research, Amravati

Accredited by NAAC | Affiliated to SGBAU, Amravati

Dr. Rajendra Gode Educational Campus, University Road, Amravati - 444602 www.drgitr.com

CERTIFICATE OF ATTENDANCE

This is to certify that

Mr. M. P. Randive

has successfully completed One day **Oriantation program on "Internal Quality Assurance cell "** organized by P. R. Pote (Patil) College of Engineering & Management, Amravati. under IQAC. held during 21-23, MAR, 2018

Prof. Nikhil Karale
Co-Coordinator

Dr. Sudhir W. Mohod
Coordinator, HoD, CSE

Dr. Pramod B. Patil
Principal

P. R. POTE (PATIL) COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI
Department of Electronics and Telecommunication Engineering.

Session 2017-18

Name of professional development program	Number of teacher attended	Date and Duration
Short Term Course	**16**	**18th – 23rd June 2018 One week**

Sr. No.	Name of the Staff	Remark
1	Prof. R. D. Ghongade	
2	Prof. G. D. Dalvi	
3	Prof. U. W. Hore	
4	Prof. G. D. Naghoshe	
5	Prof. P. N. Pusdekar	
6	Prof. R. D. Sushir	
7	Prof. V. B. Padole	
8	Prof. B. R. Mankar	
9	Prof. S. P. Bhonge	
10	Prof. A. R. Pawadr	
11	Prof. A. P. Dhande	
12	Prof. S. K. Nanda	
13	Prof. M. P. Randive	
14	Prof. S. S. Bhutada	
15	Prof. R. Walli	
16	Prof. J. J. Zunzunwala	

Prof. R. D. Ghongade
H. O. D.

H.O.D. (E.T.C. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

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6219

Certificate

This is to certify that Mr./Ms. *R. D. Ghongade*

has successfully completed AICTE-ISTE approved Induction/Refresher Programme "*Research Trends in Communication Systems and Network using IoT with Hands-On on Raspberry Pi-3*" held during *18/6/2018* to *23/6/2018* Organized by *P.R.Pote Patil Edu. & Welf. Trust's Group of Institutions, College of Engineering & Management, Amravati, Maharashtra*

Advisor, AICTE	Executive Secretary, ISTE	Principal	Program Coordinator

6219

Certificate

This is to certify that Mr./Ms. *P. N. Pusdekar*

has successfully completed AICTE-ISTE approved Induction/Refresher Programme "*Research Trends in Communication Systems and Network using IoT with Hands-On on Raspberry Pi-3*" held during *18/6/2018* to *23/6/2018* Organized by *P.R.Pote Patil Edu. & Welf. Trust's Group of Institutions, College of Engineering & Management, Amravati, Maharashtra*

Advisor, AICTE *Executive Secretary, ISTE* *Principal* *Program Coordinator*

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P. R. POTE (PATIL) COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI
Department of Electronics and Telecommunication Engineering.

Session 2017-18

Name of professional development program	Number of teacher attended	Date and Duration
Short Term Course	**2**	**21st – 23rd June 2018**

Sr. No.	Name of the Staff	Remark
1	Prof. M. P. Randive	
2	Prof. R. Walli	

Prof. R. D. Ghongade
H. O. D.

H.O.D. (E&TC Dept.)
P.R. Pote (Patil) College of Engg. & Management
Amravati.

P.R. Pote (Patil) College of Engineering & Management, Amravati

Certificate

This is to certify that

Mr. M/s./ Dr. Mahendra Ramdine

has attended workshop on

"MATLAB Integration with Hardware Devices"

organized by Department of Electrical Engg. and Electronics & Telecommunication Engg.

P.R. Pote (Patil) College of Engineering & Management, Amravati on

During 21 to 23, June 2018

Prof. R.D. Ghongade
Coordinator

Prof. A. A. Ghute
Coordinator

Dr. Mrs. S. D. Wakde
Principal

P.R. Pote (Patil) College of Engineering & Management, Amravati

Certificate

This is to certify that

Mr. M/s. Dr. Rupali Walli

has attended workshop on

"MATLAB Integration with Hardware Devices"

organized by Department of Electrical Engg. and Electronics & Telecommunication Engg.

P.R. Pote (Patil) College of Engineering & Management, Amravati on

During 21 to 23, June 2018

Prof. R.D. Ghongade
Coordinator

Prof. A. A. Ghute
Coordinator

Dr. Mrs. S. D. Wakde
Principal

An Initiative by

National Cyber Safety and Security Standards

Certificate
of Participation

In Association with

Ministry of Home Affairs, Government of India

Ministry of Electronics & Information Technology, Government of India

This Certificate is Presented to

Mr./ Mrs. / Ms. **Prof. Vijay B.Gadicha**

has participated in the ***National Cyber Defence Summit*** *'17 held on* 15th *&* 16th *Dec, 2017 at* ***BITS Pilani - Goa Campus*** *and he/she is entitled with* ***14 CPE Credits*** *issued by* ***National Cyber Defence Research Centre*** *(NCDRC).*

Justice Dr. S. Mohan
Former Judge - Supreme Court of India
Chairman - National Cyber Safety and Security Standards

Dr. S. Amar Prasad Reddy
Director - General
National Cyber Safety and Security Standards

An Initiative by

राष्ट्रीय साइबर सुरक्षा और सुरक्षा मानकों
National Cyber Safety and Security Standards

Certificate
of Participation

In Association with

Ministry of Home Affairs, Government of India

Ministry of Electronics & Information Technology, Government of India

This Certificate is Presented to

Mr./ Mrs. / Ms. **Prof. Pravin D. Soni**

has participated in the National Cyber Defence Summit '17 held on 15th & 16th Dec, 2017 at BITS Pilani - Goa Campus and he/she is entitled with 14 CPE Credits issued by National Cyber Defence Research Centre (NCDRC).

Justice Dr. S. Mohan
Former Judge - Supreme Court of India
Chairman - National Cyber Safety and Security Standards

Dr. S. Amar Prasad Reddy
Director - General
National Cyber Safety and Security Standards

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2017-2018

Ms. V. B .Bhagat

(Interdisciplinary)

Two Weeks

Certificate

This is to certify that *Prof.Vaishali.B.Bhagat* has attended a

Short Term Training Program on

"Big Data and IoT Convergence"

held during 13th November to 22nd November 2017

Organized By

Department of Information Technology

Prof. Ms. M. S. Deshmukh	Prof. Ms. P. P. Deshmukh	Dr. P. V. Ingole	Dr. M. S. Ali
Coordinator	Coordinator	Convener	Chairman

Ms. Prachi Kale



Vidarbha Youth Welfare Society's

Prof. Ram Meghe Institute of Technology & Research, Badnera-Amravati

Short Term Training Program (STTP)

Approved By ISTE, ACM & IETE ISTE/Proceedings/STTP-SF/MAH-109/2017-18

(Interdisciplinary)

Two Weeks

Certificate

This is to certify that *Prachi V. Kale* has attended a

Short Term Training Program on

"Big Data and IoT Convergence"

held during 13th November to 22nd November 2017

Organized By

Department of Information Technology

Prof. Ms. M. S. Deshmukh
Coordinator

Prof. Ms. P. P. Deshmukh
Coordinator

Dr. P. V. Ingole
Convener

Dr. M. S. Ali
Chairman

Extensive Approach for Strong Password Generation Using Content-Color Mechanism

Publisher: IEEE

Cite This

PDF

Vijay B Gadicha ; A. S. Alvi All Authors

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Full
Text Views

Abstract

Document Sections

I. Introduction

II. Literature Review

III. Proposed Algorithm

» Results and Discussion

» Experimental Results

Show Full Outline ▾

Abstract:

In Information security, access control is one of the most fundamental requirement. This can be achieved by assigning proper authentication credentials. In usual case we use the alphanumeric password strings to preserve the authentication. But it has several drawbacks, as all possible password strings which may be generated from keystrokes of the keyboard may be guessed or can be hacked by various attacks or some automated software tool may be used to crack the same. But here in this paper we are proposing a Content-Color method of Image fusion which will use multiple images to produce the password string. Once all these multiple images are fused, on the resultant fused image we will perform multi-share Visual key cryptography. Finally one such share can be selected randomly to generate the password string.

Published in: 2017 International Conference on Computing, Communication, Control and Automation (ICCUBEA)

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Proceedings of the Second International Conference on Computing Methodologies and Communication (ICCMC 2018)
IEEE Conference Record # 42656; IEEE Xplore ISBN:978-1-5386-3452-3

A new Authentication Strategy for Multiservice Authorization over Cloud

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Abstract— **Cloud computing is an emerging paradigm shifting the shape of computing models from being a technology to a utility. However, security, privacy and trust are amongst the issues that can subvert the benefits and hence wide deployment of cloud computing. With the introduction of omnipresent mobile-based clients, the ubiquity of the model increases, suggesting a still higher integration in life. Nonetheless, the security issues rise to a higher degree as well. The constrained input methods for credentials and the vulnerable wireless communication links are among factors giving rise to serious security issues. To strengthen the access control of cloud resources, organizations now commonly acquire Identity Management Systems (IdM). This report presents that the most popular IdM, namely OAuth, working in scope of Mobile Cloud Computing has many weaknesses in authorization architecture. In particular, authors find two major issues in current IdM. First, if the IdM System is compromised through malicious code, it allows a hacker to get authorization of all the protected resources hosted on a cloud. Second, all the communication links among client, cloud and IdM carries complete authorization token, that can allow hacker, through traffic interception at any communication link, an illegitimate access of protected resources. We also suggest a solution to the reported problems.**

Keywords: Cloud Computing Security, Mobile Cloud Computing, Identity Management System.

I. INTRODUCTION

Over the past decade, enterprise computing has been shifting to a new paradigm, namely the cloud computing. The cloud-computing paradigm provides several service models fitting the needs of an individual or organization. The ease of deployment, reduced costs, availability, scalability, accessibility, flexibility and location independence are some of the very strengths of this paradigm, giving rise to its popularity. On the contrary, security and privacy issues are limiting its wide spread deployment. Organizations are hesitant to storing and communicating valuable enterprise information to a third party outside their premises. In particular, the threat of unauthorized access to cloud data is of great concern, prompting researchers to propose novel authentication mechanisms. One such method is the deployment of a centralized Identity Management System. Another emerging trend in enterprise computing is the use of Smartphone devices. International Data Corporation reports on 33% increment trend on the sale of smart phones during past few years, with a prediction of 32.7% increase in 2013 [1].

Smart phone devices has been advanced greatly, in recent years, so has malicious code [2]. Although, smart phones are advancing in terms of computational power, rapidly replacing Personal Computers (PCs) as first choice of a computing device [2], Nonetheless, their major problem still is that of resource poverty. To cater with this problem, organizations have started providing access to cloud services for their users with smart phone-based clients [3][4]. The location independence and computing power of a cloud joined with the mobility of a smartphone gives the freedom of computing anything anywhere, resulting in a powerful ubiquitous computing model. This power and flexibility is bringing high popularity to what researchers call Mobile Cloud Computing (MCC) [5][6]. ABI Research estimates that MCC will gain a user-base of 240 million by the end of 2015 [7].

Being very convenient and accessible, smart phones are at a higher security risk than competing devices. This risk is mainly because of inherent nature of their application software and communication mechanism [2], as we explain further. First, tiny applications are easy to build by anyone, thus freely available, and hence contain malicious code in several

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instances. Second, mobile software development life cycle does not provide any activities ensuring the security, safety and trust. Third, the constrained resources do not allow executing full antivirus software. Fourth, the inherent nature of wireless links available to eavesdropping, and the wider availability of Internet, even out of enterprise perimeter to access enterprise data leaves valuable information asset on risk. Fifth, the mobile users choose relatively simpler passwords that are easy to type with constrained input methods [5].

For all aforementioned reasons, strong authentication mechanisms for MCC are needed to protect privileged organizational data. In general, organizations deploy an IdM for greater access control, both for mobile based and PC-based client[14].

II. LITERATURE REVIEW

2.1 Two Factor Authentication (2FA)

Choudhury, A.; Kumar, P.; Sain, M.; Lim, H. and Hoon Jae-Lee proposed a method which uses Two Factor Authentication (2FA) where first the tenant gets verified by a password and smart card and then is authenticated by Out Of Band (OOB) authentication. Drawback of this work is smart card as login is prone to get stolen. For the messages sent from A to S are only related with secret data stored in the smartcard, the attacker can impersonate as a legal tenant. The attacker can compute intermediate values. Therefore, the messages in login phase authentication phase can be generated by the attacker so that the attacker can successfully create a valid login request as a legal tenant. Moreover, this method uses One Time Passwords (OTP)/OOB that is prone to phishing attacks [8] and clock has to be synchronized from time to time with the server.

2.2 Authentication using graphical password in cloud

Guo, M.; Liaw, H.; Hsiao, L.; Huang, C.; and Yen, C. proposed a method in which Tenants are also authenticated using graphical passwords. The algorithm works as the tenant is made to select one image from multiple images and then tenant draws a correct pattern to get authenticated [9]. This algorithm is prone to shoulder surfing attacks. Another problem is the images are stored locally so if the device crashes, authentication would not be possible.

2.3 Trust Cube

Richard et al. [10] proposed Trust Cube which is an independent policy-based cloud authentication platform using open standards with the integration of various authentication methods. This model addresses the authentication issue in a simple and flexible manner by considering various sources such as device integrity reports, user credentials, etc. It uses federated authentication framework (OpenID) which uses star-shaped topology. A star-shaped topology also has privacy benefits, as only the center of the star needs to collect user-specific data. In a star-shaped topology, there are potentially heavy loads on the authentication service due to its central role in the process.

2.4 Authentication Based on Clients Personal Data

R.Chow et al. [11] present authentication platform in which behavioural authentication is used based on client personal data. The cloud authentication platform responds to the client access request based on decision obtained by processing behavioural data of the authenticated client, however, passing the personal information of the client to cloud can affect the user privacy.

2.5 Secure cloud storage for conventional data archive of smart phones

Hsueh et al [12] proposed authentication mechanism in which mobile device encrypts the credential information file and stores it on cloud but infected cloud server can steal the user credential information by decrypting user's files.

2.6 Secloud

Saman Zonouz et. al. [13] proposed Secloud; a cloud based comprehensive and lightweight security for smartphones. Secloud runs the emulators of Smartphones in cloud which provide security to mobile device by security analysis of data

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in mobile device. In this architecture cloud assumes to be fully trusted which needs to be reconsidered .The personal data of users accessed to the cloud can affect the privacy issues.

III. SYSTEM IMPLEMENTATION AND WORKING

As our main area of discussion is to provide security for the services provided by cloud. For that I have developed a Enhance authentication strategy for multiservice authorization over mobile cloud. In this system firstly user has to Registered over a cloud via our application with the help of Signup page by inserting the information like Password, Contact number and Profile, don't need to insert username.

In this application to provide more security takes IMEI number of a Smart phone due to that no same username will be allowed. After that user has to login into his/her account for accessing the services, once the user get logged in into his/her account he/she has to select a service which needed. Once the user selects the service application generates the ticket to access the specific service. If the user granted for the services then he/she able to access the same service otherwise user get logged out due to violation of the ticket. For the ticket generation, authentication and granting access I have implemented Kerberos. This Application will helps the user to avoid Man In the middle attack as well the attacks via proxy's. Proposed System consist of three modules which is shown in following Diagram

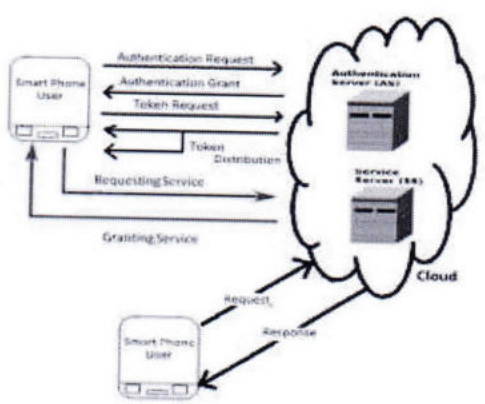

Fig. 1 system Architecture

1. Android Application

First module is the android smart phone application which will have to install on a users smart phone. This android application contains the login page where user can log in into our system by entering username and password. If the user is new then user can signup onto our application via filing a small registration form. This application is used for Singing in into account and Accessing the various Services.

2. Authentication Server

This module is implemented for the authentication purpose. This will checks the authenticity of a user by checking his/her username and password. This Authentication Server is implemented by using Kerberos.

3. Kerberos Authentication:

Kerberos is a computer network authentication protocol which works on the basis of 'tickets' to allow nodes communicating over a non-secure network to prove their identity to one another in a secure manner. Its designers aimed it primarily at a client–server model and it provides mutual authentication—both the user and the server verify each other's identity. Kerberos protocol messages are protected against eavesdropping and replay attacks.

4. Service Server

This module is implemented to provide the requested services to the client. this module checks the tickets which are send via user to the service server after performing authentication request-grant and token i.e. ticket request-distribution process. Once the request for a service from the user is received it checks whether the user having a authority to access the service or not, if yes then user can access the service otherwise user get logged out.

Working :

1) User has to Sign up to the application by filling registration form.

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2) User has to log in into application by inserting password, it takes username as IMEI number of a smart phone by default to provide more security.
3) When the user clicks on sign in button, it will firstly sends the authentication request to authentication server.
4) If the authentication is granted, it will sends the request for generating tickets otherwise it logged out the user
5) Once the ticket is generated this ticket sends to user for accessing the services.
6) After that user has to select the service and have to click on Grant the service button
7) It sends same ticket to the Service Server for accessing the service; service Server will check this ticket.
8) If the ticket gets matched, User gets the access to the service otherwise user gets logged out.

IV. ADVANTAGES

4.1 Security

This system implements more security because in this system, it takes the IMEI number as a username. As we know that every smart phone contains its own IMEI number which is unique for each. When user wants to log in then he/she just have to insert the password, the username will taken as default IMEI number.

For providing more security System will apply SHA1 algorithm to convert password into hash code. So that Attacker can't guess the password correctly.

4.2 Authentication Strategy

This system implements the Kerberos Authentication; Basically Kerberos is a computer network authentication protocol which works on the basis of 'tickets' to allow nodes communicating over a non-secure network to prove their identity to one another in a secure manner. It aimed primarily at a client–server model and it provides mutual authentication—both the user and the server verify each other's identity. Kerberos protocol messages are protected against eavesdropping and replay attacks.

V. CONCLUSION & FUTURE SCOPE

Thus this paper introduced a new Authentication Strategy for a mobile cloud, Which will provide high security while accessing the number of services provided by the cloud. This system overcomes the issue of stealing the authorization tokens through malicious insiders by using a multi tokens as well provides a security against Eaves Dropping and Man In Middle attack.

In a future the system can be implemented with link to link encryption in which whole packet will encrypted. Link encryption encrypts all the data along a specific communication path, as in a satellite link, T3 line, or telephone circuit. Not only is the user information encrypted, but the header, trailers, addresses, and routing data that are part of the packets are also encrypted.

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A Survey on Privacy Preserving Techniques in Cloud Environments

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***Abstract*— Cloud computing methodology is a conceptual based technology which is used widely now a day. Cloud Computing is an emerging technology which offers an innovative business model for the organizations with massive data without upfront investment, but most of the organizations still hesitate to explore their business over cloud due to security issues. Data privacy protection and data retrieval control is one of the most challenging research works in cloud computing due to confidentiality of user data. Security is one of the major issues which hamper the growth of cloud. This Paper focuses on specific analysis of privacy preservation techniques, comparative analysis and challenges.**

***Keywords*— Cloud computing; Security; privacy preservation;**

I. INTRODUCTION

Cloud computing is a platform which provides storage, computation and retrieval service to the user. It also allows to access the information 24 by 7 by 365 days of time but Internet is obligatory to take advantage of the Cloud. e.g. Any Email client or the facebook user, it will take care of all the hardware and software which are essential to provide individual accounts of clients. Cloud works "pay-as-you-go" principle it means that if there is need of change in the contents at any instance then it permit you to buy more storage space from Cloud service provider.

It is the long-term idea of computing as a utility and storage that include the economical benefits to transmute the IT industry which will assist for making software products even more service oriented. It is nothing but the grouping of networks, hardware, services, storage that can be coupled with each other to provide computing as a service.

A. Public Clouds

The cloud service provider generally own and manage the required physical infrastructure [4]., storage and applications, are the resource which made on hand to various customers by a service provider, via a web application or service. Hence the resources are situated at an off-site position which is organized and supervised by the cloud service provider. These type clouds offers less expensive or pay-on-demand and has high scalable services.

B. Private Clouds

The designated service provider may have possession of and managed the physical infrastructure with an expansion of management and security power plans, which is to be controlled by the organization [4]. It could be controlled by the third party user and might subsist at an on-site or off-site position. The service offers to the provider and the client greater control over the cloud paradigm, developing security and compliance.

C. Hybrid Clouds

It is a combination of more than one clouds such as public, private, or community clouds, which remains sole entities but is leap with each other by standardized technology. This allows data and application portable. Applications with less cruel might be outsourced to the public cloud while maintaining business-crucial services and data in a secured and controlled private cloud.

D. Community Clouds

In this, the physical infrastructure is restricted and provided by various organizations and support a definite community which has exposed their interests. Community cloud users therefore seem for increase economies of scale while cutting the price incorporates with private clouds and the risks related with public clouds.

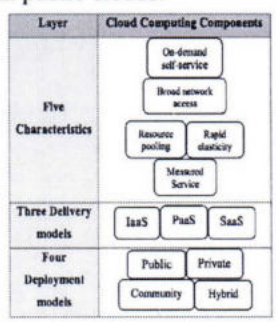

Fig. 1: Cloud Computing Paradigm

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Inventory Control Model With Varying Rate of Deterioration And Mixed Demand Pattern.

Dr. Ravi Kant
Organizing Secretary

Dr. Tushar M. Desai
Organizing Secretary

Prof. S. R. Gandhi
Director



ICIE 2017

Sardar Vallabhbhai National Institute of Technology
Surat, Gujarat

4th International Conference on
Industrial Engineering (ICIE 2017)

CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms.

Mr.R.S.Pokale

has attended the 4th International Conference on **Industrial Engineering (ICIE 2017)**
organized by Department of Mechanical Engineering, S. V. National Institute of Technology, Surat
in association with Indian Institution of Industrial Engineering (IIIE), NHQ- Mumbai
during December 21 - 23, 2017 and presented a paper entitled

Inventory Control Model With Varying Rate of Deterioration And Mixed Demand Pattern.

Dr. Ravi Kant
Organizing Secretary

Dr. Tushar N. Desai
Organizing Secretary

Prof. S. R. Gandhi
Director

Vidarbha Youth Welfare Society's

PRMIT&R

Prof. Ram Meghe Institute of Technology & Research, Badnera-Amravati (MS)

Department of Mechanical Engineering

Certificate

Two Weeks Faculty Development Program on

"Rapid Prototyping for Industrial and Medical Applications"

(11th to 22nd December 2017)

(Sponsored by AICTE, New Delhi, Vide letter No.: F.No.6-103/FDP/Policy-1/2016-17 Dt: 6th June 2017)

(PRMIT&R/MECH/FDP2017/20)

This to certify that, *Mr. Pawan K. Shivankar* attended a Faculty Development Program on *"Rapid Prototyping for Industrial and Medical Applications"* sponsored by AICTE during *11th to 22nd December 2017* at Department of Mechanical Engineering.

Dr. M. S. Ali
Principal

Dr. S. S. Deshmukh
Convener & Head of
Mechanical Engg. Dept

Dr. D. S. Ingole
Coordinator

Vidarbha Youth Welfare Society's

PRMIT&R

Prof. Ram Meghe Institute of Technology & Research, Badnera-Amravati (MS)

Department of Mechanical Engineering

Certificate

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(PRMIT&R/MECH/FDP2017/20)

This to certify that, **Mr.S.P.Yeole** attended a Faculty Development Program on *"Rapid Prototyping for Industrial and Medical Applications"* sponsored by AICTE during *11th to 22nd December 2017* at Department of Mechanical Engineering.

Dr. M. S. Ali
Principal

Dr. S. S. Deshmukh
Convener & Head of
Mechanical Engg Dept

Dr. D. S. Ingole
Coordinator

Vidarbha Youth Welfare Society's

PRMIT&R

Prof. Ram Meghe Institute of Technology & Research, Badnera-Amravati (MS)

Department of Mechanical Engineering

Certificate

Two Weeks Faculty Development Program on

"Rapid Prototyping for Industrial and Medical Applications"

(11th to 22nd December 2017)

(Sponsored by AICTE, New Delhi, Vide letter No.: F.No.6-103/FDP/Policy-1/2016-17 Dt: 6th June 2017)

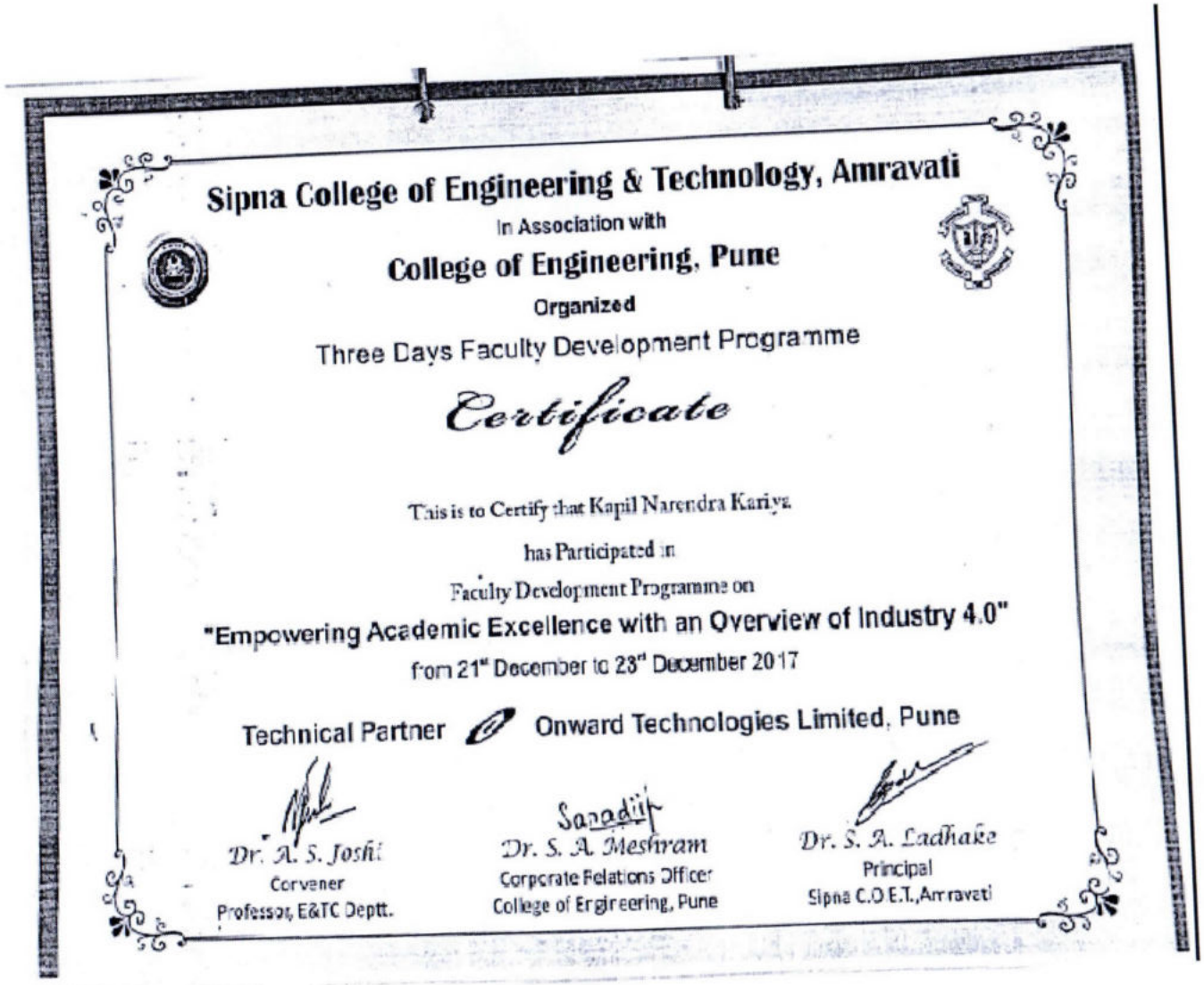
(PRMIT&R/MECH/FDP2017/20)

This to certify that, **Mr.S.G.Dalu** attended a Faculty Development Program on *"Rapid Prototyping for Industrial and Medical Applications"* sponsored by AICTE during *11th to 22nd December 2017* at Department of Mechanical Engineering.

Dr. M. S. Ali
Principal

Dr. S. S. Deshmukh
Convener & Head of
Mechanical Engg. Dept

Dr. D. S. Ingole
Coordinator



Sipna College of Engineering & Technology, Amravati

In Association with

College of Engineering, Pune

Organized

Three Days Faculty Development Programme

Certificate

This is to Certify that Kapil Narendra Kariya

has Participated in

Faculty Development Programme on

"Empowering Academic Excellence with an Overview of Industry 4.0"

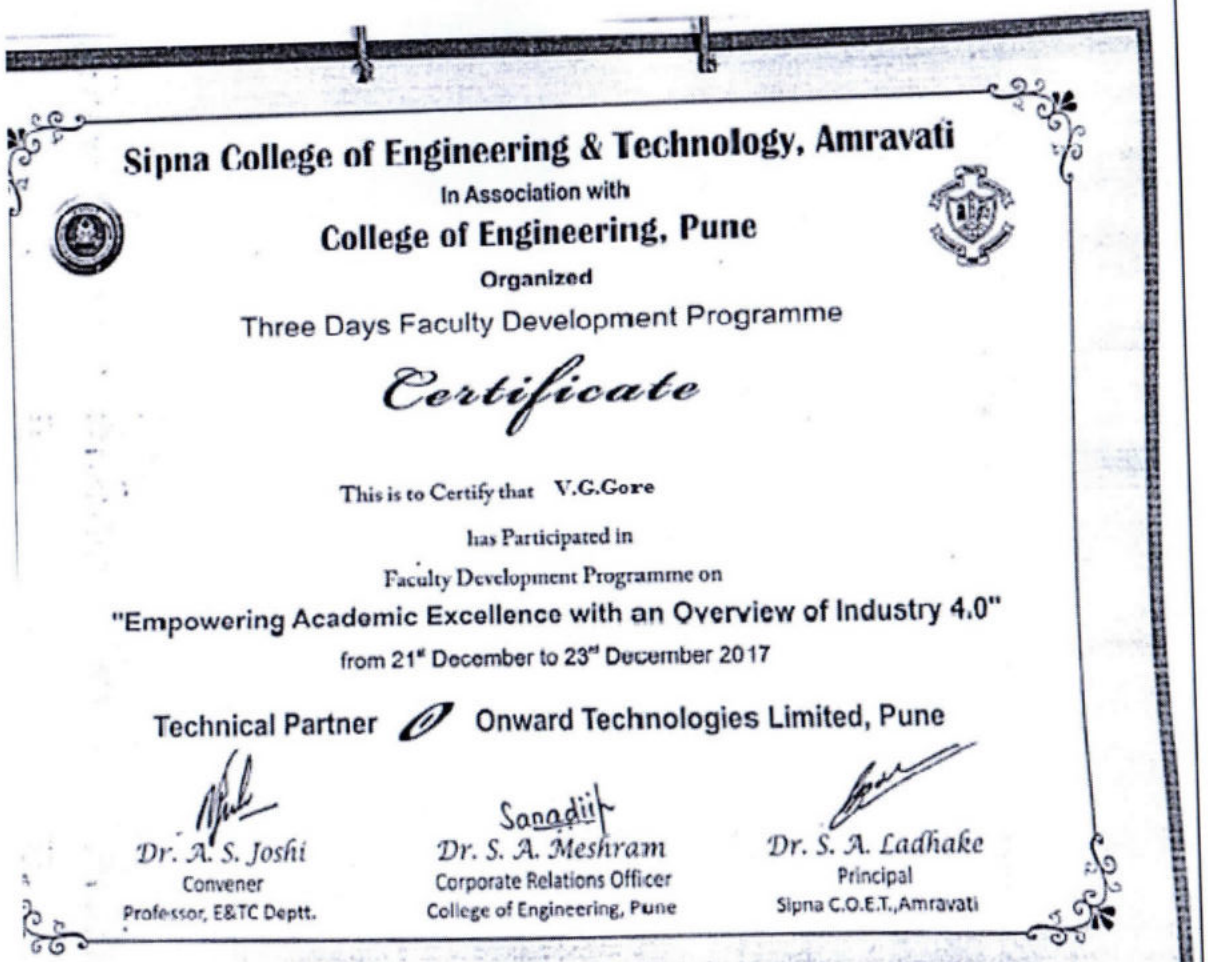
from 21st December to 23rd December 2017

Technical Partner — Onward Technologies Limited, Pune

Dr. A. S. Joshi
Convener
Professor, E&TC Deptt.

Dr. S. A. Meshram
Corporate Relations Officer
College of Engineering, Pune

Dr. S. A. Ladhake
Principal
Sipna C.O.E.T., Amravati



Sipna College of Engineering & Technology, Amravati

In Association with

College of Engineering, Pune

Organized

Three Days Faculty Development Programme

Certificate

This is to Certify that **V.G.Gore**

has Participated in

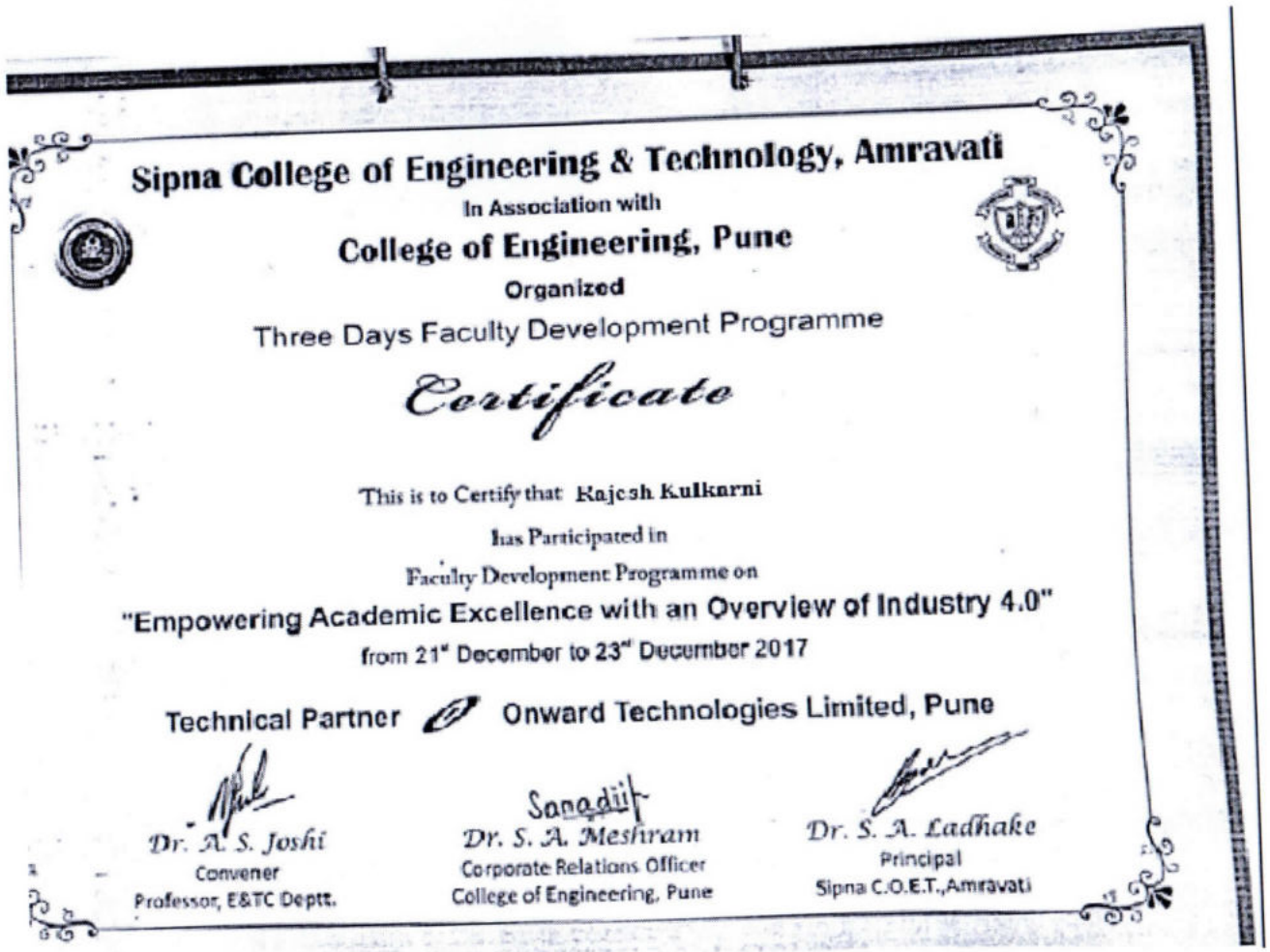
Faculty Development Programme on

"Empowering Academic Excellence with an Overview of Industry 4.0"

from 21st December to 23rd December 2017

Technical Partner — Onward Technologies Limited, Pune

Dr. A. S. Joshi	*Dr. S. A. Meshram*	*Dr. S. A. Ladhake*
Convener	Corporate Relations Officer	Principal
Professor, E&TC Deptt.	College of Engineering, Pune	Sipna C.O.E.T.,Amravati



Sipna College of Engineering & Technology, Amravati

In Association with

College of Engineering, Pune

Organized

Three Days Faculty Development Programme

Certificate

This is to Certify that **Rajesh Kulkarni**

has Participated in

Faculty Development Programme on

"Empowering Academic Excellence with an Overview of Industry 4.0"

from 21st December to 23rd December 2017

Technical Partner — Onward Technologies Limited, Pune

Dr. A. S. Joshi	*Dr. S. A. Meshram*	*Dr. S. A. Ladhake*
Convener	Corporate Relations Officer	Principal
Professor, E&TC Deptt.	College of Engineering, Pune	Sipna C.O.E.T.,Amravati

Sipna College of Engineering & Technology, Amravati

In Association with

College of Engineering, Pune

Organized

Three Days Faculty Development Programme

Certificate

This is to Certify that **Rajesh Pokale**

has Participated in

Faculty Development Programme on

"Empowering Academic Excellence with an Overview of Industry 4.0"

from 21st December to 23rd December 2017

Technical Partner Onward Technologies Limited, Pune

Dr. A. S. Joshi	*Dr. S. A. Meshram*	*Dr. S. A. Ladhake*
Convener	Corporate Relations Officer	Principal
Professor, E&TC Deptt.	College of Engineering, Pune	Sipna C.O.E.T.,Amravati

Maulana Azad National Institute of Technology, Bhopal

(An Institute of National Importance)

Department of Mechanical Engineering

Certificate

This is to certify that Dr./Mr. /Ms. *S.S.Mendhe*

has participated in the Self sponsored Short Term Training Programme on "Research Oriented Training on CNC Machines" held during 14-18th December, 2017 organized by Department of Mechanical Engineering, MANIT, Bhopal.

विद्या परं भूषणं

Dr. M.K. Pradhan (Coordinator)

Dr. K. R. Aharwal (Coordinator)

Dr. C. M. Krishna (Coordinator)

Dr. J. L. Bhagoria (HOD Mechanical)

15/12/17

CS Scanned with CamScanner

Maulana Azad National Institute of Technology, Bhopal

(An Institute of National Importance)

Department of Mechanical Engineering

Certificate

This is to certify that Dr./Mr. /Ms. *R.S.Pokale*

has participated in the Self sponsored Short Term Training Programme on "Research Oriented Training on CNC Machines" held during 14-18th December, 2017 organized by Department of Mechanical Engineering, MANIT, Bhopal.

विद्या परं भूषणं

Dr. M.K. Pradhan	*Dr. K. R. Aharwal*	*Dr. C. M. Krishna*	*Dr. J. L. Bhagoria*
(Coordinator)	*(Coordinator)*	*(Coordinator)*	*(HOD Mechanical)*

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Maulana Azad National Institute of Technology, Bhopal

(An Institute of National Importance)

Department of Mechanical Engineering

Certificate

This is to certify that Dr./Mr. /Ms. *M.G.Walecha*

has participated in the Self sponsored Short Term Training Programme on "Research Oriented Training on CNC Machines" held during 14-18th December, 2017 organized by Department of Mechanical Engineering, MANIT, Bhopal.

विद्या परं भूषणं

Dr. M.K. Pradhan	*Dr. K. R. Aharwal*	*Dr. C. M. Krishna*	*Dr. J. L. Bhagoria*
(Coordinator)	*(Coordinator)*	*(Coordinator)*	*(HOD Mechanical)*

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350

Maulana Azad National Institute of Technology, Bhopal

(An Institute of National Importance)

Department of Mechanical Engineering

Certificate

This is to certify that Dr./Mr. /Ms. *G.S.Mahalle*

has participated in the Self sponsored Short Term Training Programme on "Research Oriented Training on CNC Machines" held during 14-18th December, 2017 organized by Department of Mechanical Engineering, MANIT, Bhopal.

विद्या परं भूषणं

Dr. M.K. Pradhan	*Dr. K. R. Aharwal*	*Dr. C. M. Krishna*	*Dr. J. L. Bhagoria*
(Coordinator)	*(Coordinator)*	*(Coordinator)*	*(HOD Mechanical)*

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Maulana Azad National Institute of Technology, Bhopal

(An Institute of National Importance)

Department of Mechanical Engineering

Certificate

This is to certify that Dr./Mr. /Ms. *S.A.Garud*

has participated in the Self sponsored Short Term Training Programme on "Research Oriented Training on CNC Machines" held during 14-18th December, 2017 organized by Department of Mechanical Engineering, MANIT, Bhopal.

विद्या परं भूषणं

Dr. M.K. Pradhan	*Dr. K. R. Aharwal*	*Dr. C. M. Krishna*	*Dr. J. L. Bhagoria*
(Coordinator)	*(Coordinator)*	*(Coordinator)*	*(HOD Mechanical)*

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352

Maulana Azad National Institute of Technology, Bhopal

(An Institute of National Importance)

Department of Mechanical Engineering

Certificate

This is to certify that Dr./Mr. /Ms. *V.G.Gore*

has participated in the Self sponsored Short Term Training Programme on "Research Oriented Training on CNC Machines" held during 14-18th December, 2017 organized by Department of Mechanical Engineering, MANIT, Bhopal.

विद्या परं भूषणं

Dr. M.K. Pradhan	*Dr. K. R. Aharwal*	*Dr. C. M. Krishna*	*Dr. J. L. Bhagoria*
(Coordinator)	*(Coordinator)*	*(Coordinator)*	*(HOD Mechanical)*

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Maulana Azad National Institute of Technology, Bhopal

(An Institute of National Importance)

Department of Mechanical Engineering

Certificate

This is to certify that Dr./Mr. /Ms. *P.B.Ingle*

has participated in the Self sponsored Short Term Training Programme on "Research Oriented Training on CNC Machines" held during 14-18th December, 2017 organized by Department of Mechanical Engineering, MANIT, Bhopal.

विद्या परं भूषणं

Dr. M.K. Pradhan	*Dr. K. R. Aharwal*	*Dr. C. M. Krishna*	*Dr. J. L. Bhagoria*
(Coordinator)	*(Coordinator)*	*(Coordinator)*	*(HOD Mechanical)*

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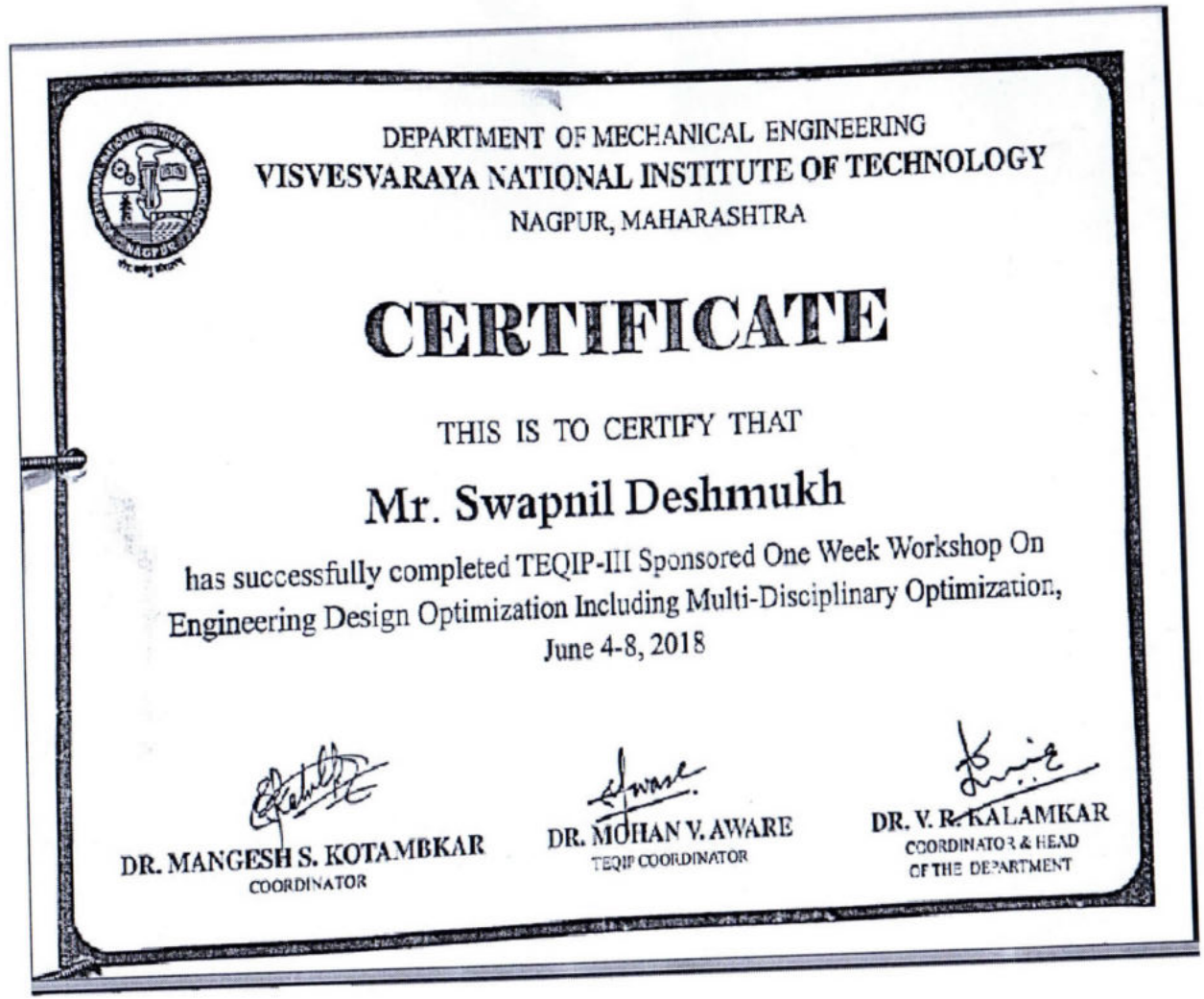

DEPARTMENT OF MECHANICAL ENGINEERING

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY

NAGPUR, MAHARASHTRA

CERTIFICATE

THIS IS TO CERTIFY THAT

Mr. Swapnil Deshmukh

has successfully completed TEQIP-III Sponsored One Week Workshop On Engineering Design Optimization Including Multi-Disciplinary Optimization, June 4-8, 2018

DR. MANGESH S. KOTAMBKAR
COORDINATOR

DR. MOHAN V. AWARE
TEQIP COORDINATOR

DR. V. R. KALAMKAR
COORDINATOR & HEAD OF THE DEPARTMENT



DEPARTMENT OF MECHANICAL ENGINEERING

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY

NAGPUR, MAHARASHTRA

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THIS IS TO CERTIFY THAT

Mrs.S.S.Dhoke

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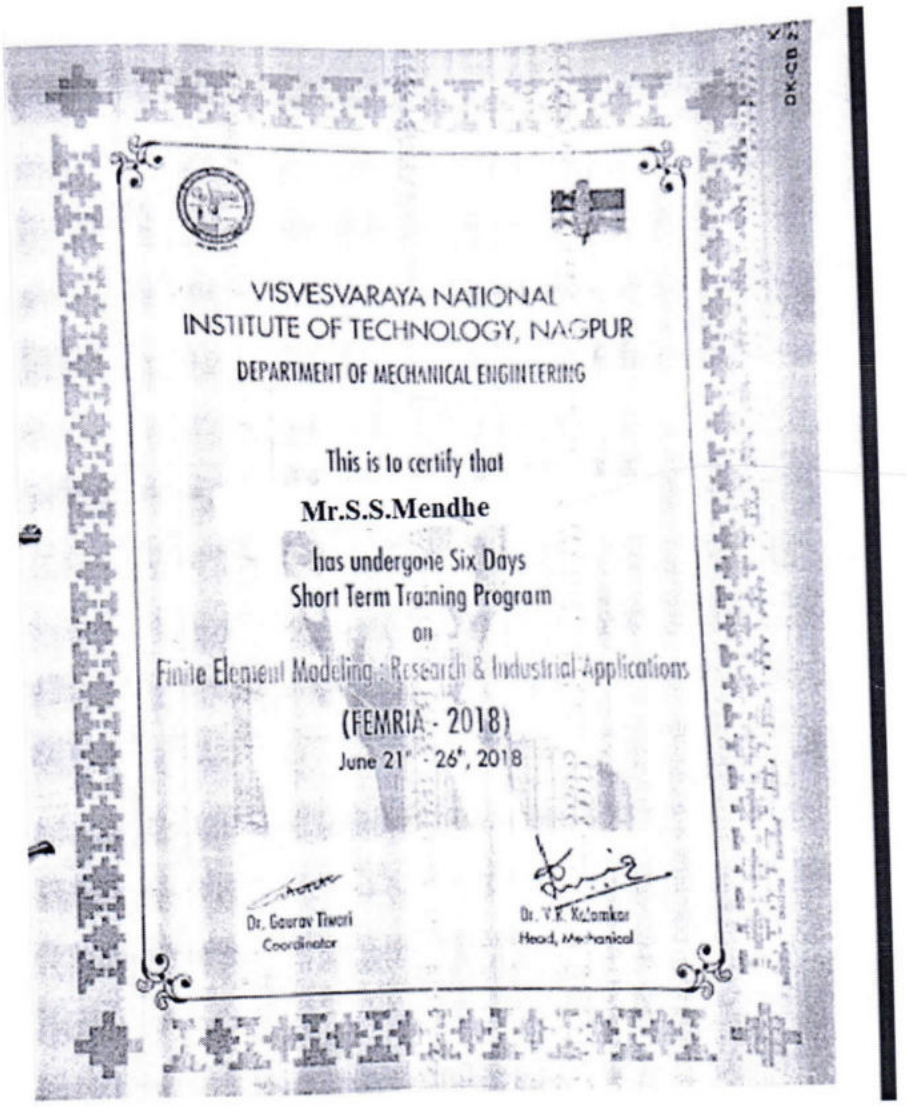
DR. V. R. KALAMKAR
COORDINATOR & HEAD
OF THE DEPARTMENT



VISVESVARAYA NATIONAL
INSTITUTE OF TECHNOLOGY, NAGPUR
DEPARTMENT OF MECHANICAL ENGINEERING

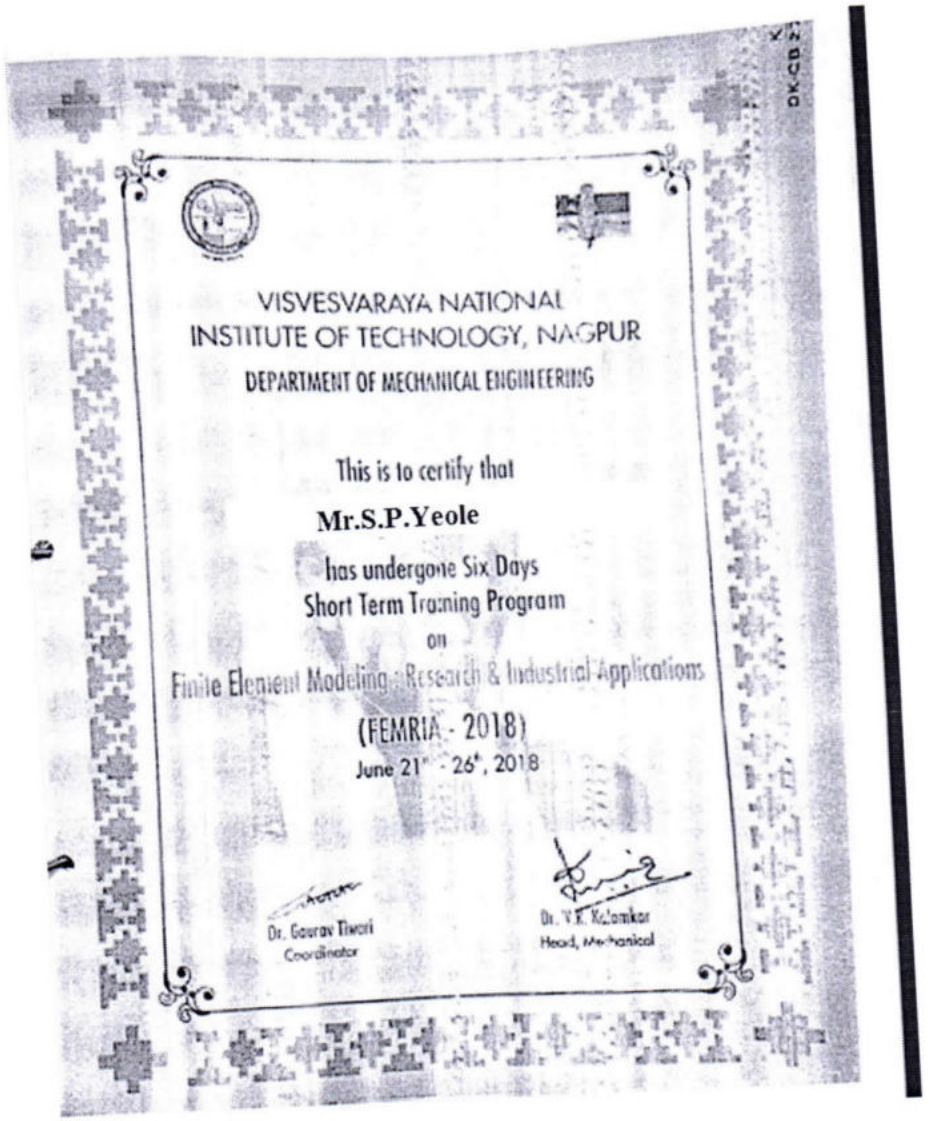
This is to certify that

Mr.S.S.Mendhe

has undergone Six Days
Short Term Training Program
on
Finite Element Modeling : Research & Industrial Applications
(FEMRIA - 2018)
June 21st - 26th, 2018

Dr. Gaurav Tiwari
Coordinator

Dr. V. K. Kolambkar
Head, Mechanical



VISVESVARAYA NATIONAL
INSTITUTE OF TECHNOLOGY, NAGPUR
DEPARTMENT OF MECHANICAL ENGINEERING

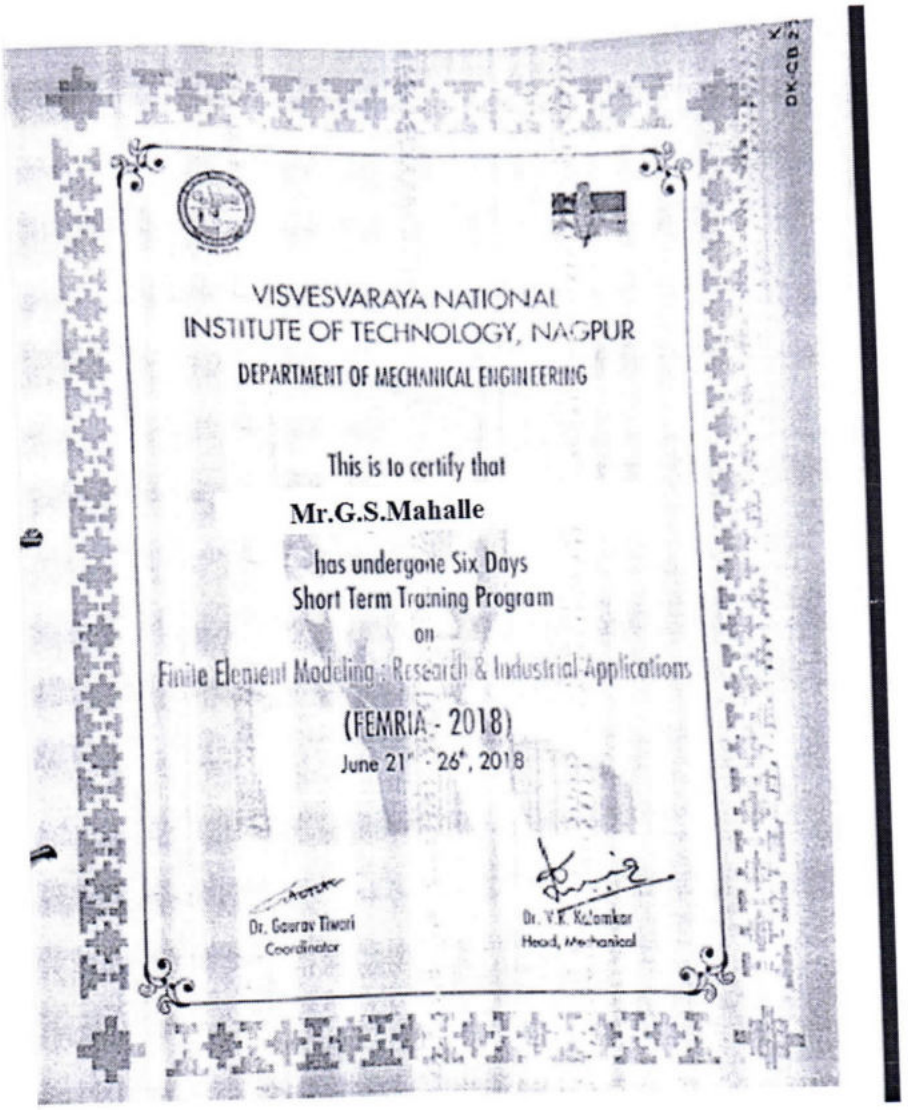
This is to certify that

Mr.S.P.Yeole

has undergone Six Days
Short Term Training Program
on
Finite Element Modeling, Research & Industrial Applications
(FEMRIA - 2018)
June 21st - 26th, 2018

Dr. Gaurav Tiwari
Coordinator

Dr. V.K. Kulamkar
Head, Mechanical



VISVESVARAYA NATIONAL
INSTITUTE OF TECHNOLOGY, NAGPUR
DEPARTMENT OF MECHANICAL ENGINEERING

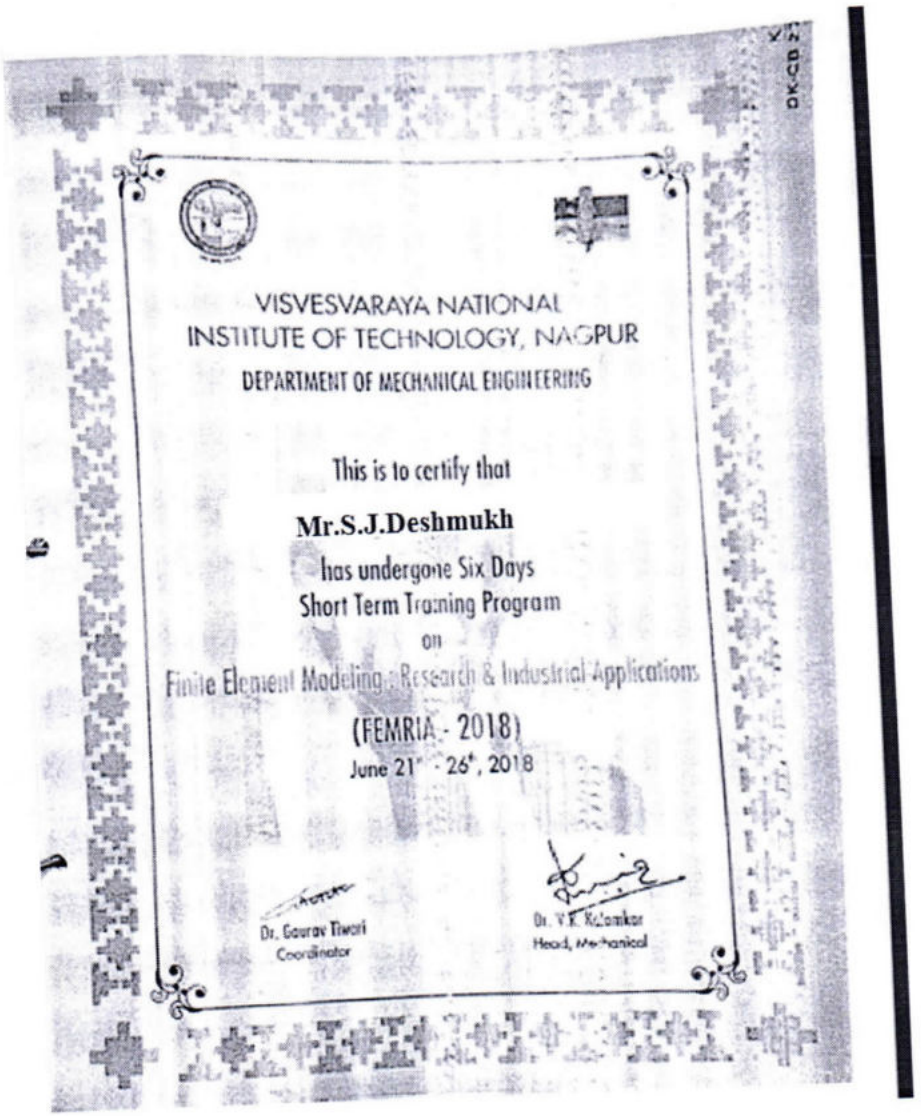
This is to certify that

Mr.G.S.Mahalle

has undergone Six Days
Short Term Training Program
on
Finite Element Modeling : Research & Industrial Applications
(FEMRIA - 2018)
June 21st - 26th, 2018

Dr. Gaurav Tiwari
Coordinator

Dr. V.K. Kolhatkar
Head, Mechanical



VISVESVARAYA NATIONAL
INSTITUTE OF TECHNOLOGY, NAGPUR
DEPARTMENT OF MECHANICAL ENGINEERING

This is to certify that

Mr.S.J.Deshmukh

has undergone Six Days
Short Term Training Program
on
Finite Element Modeling : Research & Industrial Applications
(FEMRIA - 2018)
June 21st - 26th, 2018

Dr. Gaurav Tiwari
Coordinator

Dr. V. K. Kulamkar
Head, Mechanical

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions
College of Engineering & Management, Amravati

DEPARTMENT OF CIVIL ENGINEERING

National Assessment and Accreditation Council (NAAC)

Annual Quality Assurance Report

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.3.3 Number of professional development programs viz orientation programs, refresher course, short term course during year

2017-18

Title of Program: Basics of Structural & Geotechnical Dynyamics

Date: 18.06.2018 To 23.06.2018

List of Participants

Sr. No	Name of Faculty	Teaching	Non Teaching
1	Prof. Mohammad Zuhair	√	--
2	Prof. S. S. Saraf	√	--
3	Prof. N. P. Bhopale	√	--
4	Prof. S. V. Dhoke	√	--
5	Prof. S. V. Pawar	√	--
6	Prof. M. A. Rehman	√	--
7.	Prof. P. N. Deshmukh	√	--
8.	Prof. M. S. Deshmukh	√	--
9	Prof. A. K. Chitkeshwar	√	--
10	Prof. P. S. Gandhak	√	--
11	Prof. N. A. Gadhage	√	--
12	Prof. A. R. Wadnerkar	√	--
13	Prof. R. D. Wadhai	√	--

H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Civil Engineering
Amravati.

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutes,
College of Engineering & Management, Amravati

Department of Civil Engineering

Short Term Training Programme

"BASICS OF STRUCTURAL & GEOTECHNICAL DYNAMICS"

Certificate of Participation

This is to certify that Prof. Sachin S. Saraf

From PRPCE & M Amravati

has successfully participated in one week short term training programme on

"Basics of Structural & Geotechnical Dynamics"

ISTE Approved (Self sponsored) from 18th June to 23rd June 2018

Prof. Nilesh Bhopale
Co-ordinator

Prof. Sachin Saraf

Prof. Mohammad Zuhair
H.O.D.

Dr. S.D. Wakde
Principal

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutes,
College of Engineering & Management, Amravati

Department of Civil Engineering

Short Term Training Programme

"BASICS OF STRUCTURAL & GEOTECHNICAL DYNAMICS"

Certificate of Participation

This is to certify that Pallavi A. Deshmukh

From P R P C E & M, Amravati

has successfully participated in one week short term training programme on

"Basics of Structural & Geotechnical Dynamics"

ISTE Approved (Self sponsored) from 18th June to 23rd June 2018

Prof. Nilesh Bhopale
Co-ordinator

Prof. Sachin Saraf

Prof. Mohammad Zuhair
H.O.D.

Dr. S.D. Wakde
Principal

P.R.Pote (Patil) Education & Welfare Trust's Group of Institutions
College of Engineering & Management, Amravati
Electrical Engineering Department
Session 2017-18
STTP on "Application of AI Techniques in Electrical Engineering"
Certificate Issue List (Teaching)

Sr.No	Name of the Faculty	Signature
01	Mr.D.A.Shahakar	
02	Dr.S.B.Warkhad	
03	Mrs.A.S.Telang	
04	Ms.Y.H.Khair(Shahakar)	
05	Mr.A.A.Ghute	
06	Mr.A.D.Tekade	
07	Mr.H.S.Kulat	
08	Ms.P.R.Rane	
09	Mr.P.S.Varma	
10	Ms.P.V.Vinchurkar	
11	Mr.A.N.Kakade	
12	Mr.J.B.Mokalkar	
13	Ms.N.N.Sawade	
14	Ms.S.V.Pande	
15	Mr.A.A.Malik	
16	Mr.S.R.Sahu	
17	Ms.S.A.Kohale	
18	Mr.A.K.Duchakke	
19	Ms.P.V.Junghare	
20	Mr.T.A.Mohd.	

H.O.D.(EE)

H.O.D. (Elect. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote (Patil) Group of Education & Welfare Trust's
College of Engineering & Management , Amravati

Accredited with "Grade A" by NAAC Approved by AICTE, New Delhi and affiliated to Sant Gadge Baba Amravati University Amravati (M.S.)

CERTIFICATE

This is to certify that,

Mr. Ashish Kakde

From P. R. Pote (Patil) College of Engineering & Management, Amravati has attended a ISTE sponsored faculty development program on **"Applications of AI Techniques in Electrical Engineering"** during 18/06/2018 to 23/06/2018.

Certificate ID: PRPCEM/EE/AI-036

Dr. A. S. Telang	**Prof. D.A.Shahakar**	**Dr. S. D. Wakade**
Programme Convenor	**HOD(EE)**	**Principal**

P. R. Pote (Patil) Group of Education & Welfare Trust's
College of Engineering & Management , Amravati

Accredited with "Grade A" by NAAC Approved by AICTE, New Delhi and affiliated to Sant Gadge Baba Amravati University Amravati (M.S.)

CERTIFICATE

This is to certify that,

Mr. Ashish Duchakke

From P. R. Pote (Patil) College of Engineering & Management, Amravati has attended a ISTE sponsored faculty development program on **"Applications of AI Techniques in Electrical Engineering"** during 18/06/2018 to 23/06/2018.

Certificate ID: PRPCEM/EE/AI-037

Dr. A. S. Telang
Programme Convenor

Prof. D.A.Shahakar
HOD(EE)

Dr. S. D. Wakade
Principal

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

Index

Session 2017-18

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment)

Sr. No.	Particulars	Page No.
1.	AQAR cover page	NIL

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):

Teaching		Non-Teaching	
Permanent	Fulltime	Permanent	Fulltime/Temporary
-	-	-	-

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

Index

Session 2017-18

6.3.5 Welfare schemes

Sr. No.	Particulars	Page No.
1.	AQAR cover page	366
2.	EPF	367-368
3.	Student Safety Insurance	369

6.3 Faculty Empowerment Strategies	
6.3.5 Welfare schemes for	
Teaching& Non Teaching	• Free medical facility is provided to students, staff and faculty in college hours. • Group Insurance scheme; PF as per rule; Maternity leave; Medical leave; Mediclaim policy; Gratuity
Students	• University Group Insurance Policy

COMBINED CHALLAN OF A/C NO. 01, 02, 10, 21 & 22 (With ECR)

EMPLOYEES' PROVIDENT FUND ORGANISATION

TRRN: 3201707003655

Establishment Code & Name : NGAKL0111007000 P.R POTE (PATIL) EDUCATION AND

Dues for the wage month of :March 2017

Address : C/O PRAVIN BUILDERS AND DEVELOPERS, INDIA PVT LTD., CAMP ROAD, AMRAVATI, AMRAVATI, MAHARASHTRA

	EPF	EPS	EDLI
Total Subscribers :	251	250	251
Total Wages :	35,35,000	35,35,000	35,20,000

SL.	PARTICULARS	A/C.01 (Rs.)	A/C.02 (Rs.)	A/C.10 (Rs.)	A/C.21 (Rs.)	A/C.22 (Rs.)	TOTAL
1	Administration Charges	0	38,885	0	0	354	39,239
2	Employer's Share Of Contribution	1,28,744	0	2,92,077	17,600	0	438,421
3	Employee's Share Of Contribution	4,24,200	0	0	0	0	424,200
Grand Total : Nine Lakh One Thousand Eight Hundred Sixty Rupees Only							9,01,860

(Only for offline payment in case permitted by EPFO)

FOR BANKS USE ONLY

Amount Received Rs. ----------

Date of presentation of Cheque/DD ----------

Date of Realisation of Cheque/DD ----------

SBI Branch Name ----------

SBI Branch Code ----------

FOR ESTABLISHMENT USE ONLY (To be manually filled by Employer)

Cheque/DD No. ---------- Date: ----------

Cheque/DD drawn bank &

Name of the Depositer----------

Date of Deposit---------- Mobile No. ----------

Signature of the

(This is a system generated challan on 27-JUL-2017 11:20, the particulars shown in this challan are populated from the Electronic Challan Cum Return (ECR) uploaded by the establishment for the specified month and year.

Note :- The following amounts are being remitted directly by Government of India on account of PMRPY and PMPRPY-

A) A/C no 1 (Employer share) (Rs.) -	0
B) A/C no 10 (Pension fund) (Rs.) -	0
C) Total (A + B) (Rs.) -	0
D) Total remittance by Employer (Rs.) -	9,01,860
E) Total amount of uploaded ECR (C + D) (Rs.) -	9,01,860

Administrative Officer
P. R. Pote (Patil) Education & Welfare Trust's
Group of Institutions College of Engg. & Management
(Multi Discipline Integrated Campus)
Kathora Road, Amravati

')

444

Home (/epfo/home?_HDIV_STATE_=31-36-11B91F169876987F2F3B902E9E04F00B)
/ ECR Home Page (/epfo/ecr/ecrEstHomePage?_HDIV_STATE_=31-35-11B91F169876987F2F3B902E9E04F00B) / Challan Payment Response

Transaction Successful

Payment Details:	
Bank	State Bank of India
TRRN	3201707003655
CRN	002270717528459
Paid Amount (₹)	901860
Payment Status	Transaction Successful

Click here Home (/epfo/home?_HDIV_STATE_=31-37-11B91F169876987F2F3B902E9E04F00B) to go to home page.

No. H: 185378

SANT GADGE BABA AMRAVATI UNIVERSITY

Receipt No. 185378 Date : 21/7/2018

Name : 817 PRIN. P.R.P.(POTE)I.COLL.OF.ENG.MANG.AMT

Name of Exam : _____ S/W _____

ON ACCOUNT OF	Rs.	Ps.
ANNUAL FEE	168140.00	
CORPUS FUND	13210.00	
STUDENT WELFARE FUND	48040.00	
STUDENTS COUNCIL ACTIVITY F	12010.00	
STUDENT SAFETY INSURANCE	24020.00	
EMERGENCY FUND	24020.00	
SPORTS FEE (STUDENTS)	120100.00	
I.U.S.M. FEE (ASHWAMEDH) AND	72060.00	
In Words : Rs. Four Lakh Eighty-One Thousand Six Hundred Only		
TOTAL	4,81,600.00	

Subject to Realisation

DD No. 013441 (A) Date : 15/7/2018

Name of Issuing Bank KATHORA BUDRUK

Receipt Clerk

Student's / Payer's Copy

D 148 76.00

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

Index

Session 2017-18

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Sr. No.	Particulars	Page No.
1.	AQAR cover page	370
2.	Financial Audit	371-385
3.	Funds and Grant issued	NIL

6.4 Financial Management and Resource Mobilization

6.4.1Institution conducts internal and external financial audits regularly (within100words each)

- Yes. In the Month of April with financial year completion. The Audit is conducted by Chartered Accountant.

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C A P & Co.
CHARTERED ACCOUNTANTS
GULSHAN PLAZA,
OPP KUSHAL AUTO BADNERA ROAD,
AMRAVATI .444605.

AUDITED FINANCIAL STATEMENT

FOR THE PERIOD OF

1.04.2017 TO 31.03.2018

P. R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTION'S

COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI

POTE ESTATE, KATHORA ROAD,
AMRAVATI

372

M/S C A P & CO
Chartered Accountants

H.O.:Gulshan Plaza,2nd Floor,Opp
Khushal Auto ,Badnera Road,
Rajapeth ,Amravati-444601.
Ph.:0721-2570138,
e-mail : ckingle2011@yahoo.com

To,
THE ASSISTANT CHARITY COMMISSIONER, AMRAVATI.
AUDIT REPORT
REPORT UNDER RULE 19 OF THE BOMBAY PUBLIC TRUST RULE 1951.

Name Of The Public Trust : **P. R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTIONS COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI**

Regd. No. : **E/511/AMT.**

Sir,

We have audited the account of the above named Trust for the year ending on **31/3/2018** and submit here with the Income & Expenditure Account and Balance Sheet with our report as under:

1.	Whether accounts are maintained regularly and in accordance with the provision of the Act and the Rule?	**YES**
2.	Whether receipt and disbursement are properly and correctly shown in the Books of A/c's ?	**YES**
3.	Whether the cash Balance and Vouchers in the custody of the manager or Trustee on the date of audit were in agreement with the account ?	**YES**
4.	Whether all books, deeds accounts, vouchers or the other documents or record required by the Auditor were produced before him ?	**YES**
5.	Whether the Manager or Trustee or any other person required by the auditor to appear before him did so and furnished the necessary information required him ?	**YES**
6.	Whether any property or funds of the Trust were applied for any object or purpose other than the object or purpose of the trust ?	**NO**
7.	The amount outstanding for more than one year and the amounts written off If any ?	**NO**
8.	Whether tenders were invited for repairs or construction involving expenditure exceeding Rs. 5000/- ?	**NO**
9.	Whether any money of the public trust has been invested contrary to the provisions of Section 35 ?	**NO**
10.	Alienation if any of the immovable property contrary to the provision of Section 36 which have come to the notice of the Auditor ?	**NO**
11.	Whether a register of the movable and immovable properties	**NO**

C A P & CO
FRN-144475W
M.No.119992
AMRAVATI
CHARTERED ACCOUNTANTS

M/S C A P & CO
Chartered Accountants

H.O.:Gulshan Plaza,2nd Floor,Opp
Khushal Auto ,Badnera Road,
Rajapeth ,Amravati-444601.
Ph.:0721-2570138,
e-mail : ckingle2011@yahoo.com

	is properly maintained the charges there in are communicated from time to time the regional office and the defects and inaccuracies in the previous audit report have been duly complied with ?	
12.	All cases of irregular, illegal or improper expenditure, or failure or omission to recover moneys or other property belonging to the public trust or of loss or waste of money or other property there of Whether such expenditure ,loss or waste was caused in consequence of breach of trust or any other misconduct on the part of the trustee or any other person while in management of the trust ?	**NIL**
13.	Whether the budget has been filed in the from provided by rule 16 A?	**NO**
14.	Whether the maximum and maximum numbers of the trustees in is maintained ?	**YES**
15.	Whether the meeting are held regularly as provided in trust instrument?	**YES**
16.	Whether the minute book of the meeting is maintained?	**YES**
17.	Whether any of the trustee has any interest in the investment of the trust?	**NO**
18.	Whether any of the trustees in a debtor or creditor of the trust ?	**NO**
19.	Whether the irregularities pointed out by the auditors in the accounts of the previous year have been duly complied with by the trustees during the periods of audits?	**YES**
20.	Any special matter .	**NIL**

Date: 25/10/2018
Place: Amravati

C A P & CO.
CHARTERED ACCOUNTANTS
FRN 144475 W

CAP&CO FRN-144475W M.No.119992 AMRAVATI CHARTERED ACCOUNTANTS

CA Chaitanya K. Ingle
PARTNER
M. No.119992

374

M/S C A P & CO
Chartered Accountants

H.O.:Gulshan Plaza,2nd Flqor,Opp
Khushal Auto ,Badnera Road,
Rajapeth ,Amravati-444601.
Ph.:0721-2570138
e-mail : ckingle2011@yahoo.com

P. R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTIONS
COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI
RUN BY: P. R. POTE (PATIL) EDUCATIONAL & WELFARE TRUST, AMRAVATI
RECEIPTS & PAYMENT STATEMENT FOR THE YEAR ENDING 31st MARCH 2018
DEPARTMENT OF BACHELOR OF ENGINEERING (B.E.)

RECIEPT	AMOUNT	AMOUNT	PAYMENT	AMOUNT	AMOUNT
TO, OPENING BALANCE		634640.00	BY, SALARY		121012444.00
CASH IN HAND	1072.00				
B.O.M. (60106653012) FINE	137728.00		BY, GRATUITY EXP.		2800000.00
B.O.M. (60164137575) EXAM	495840.00		(TEACHING & NON-TEACHING)		
TO, COLLEGE FEES		118589390.00	PROVIDUND FUND (COLLEGE		5352802.00
TUTION FEES	118589390.00		CONTRIBUTION)		
TO DEVLOPMENT FEES		14763299.00	BY, FURNITURE & OTHER		1556595.00
B.E.	14763299.00		FIXTURE		
			(AS PER SCHEDULE "B")	1556595.00	
PROSPECTUS SELL INCOME		53750.00			
			BY, EDUCATIONAL &		16091936.00
BSNL DEPOSIT REFUND		11499.00	CONTINGENCIES EXP.		
			(AS PER SCHEDULE "C")	16091936.00	
TO, UNI. FEES RECIVED		7841731.00			
EXAM FEES RECIVED (B.E.)	7841731.00		BY, SALARY DEDUCTION		10040436.00
			INCOME TAX (SALARY)	4495932.00	
TO, SALARY DEDUCTION		10040436.00	PROFESSIONAL TAX	560500.00	
INCOME TAX (SALARY)	4495932.00		PROVIDUND FUND	3747600.00	
PROFESSIONAL TAX	560500.00		PATSANSTHA	1236404.00	
PROVIDUND FUND	3747600.00				
PATSANSTHA	1236404.00		BY,UNI FEES PAID		6309948.00
			UNI. EXAM FEES PAID (B.E.)	6309948.00	
TO, BANK OVER DRAFT		6219299.00			
B.O.M. (60106411368)	6219299.00		BY, LOANS & ADVANCES		22542435.00
			AS PER SCHEDULE "E"	22542435.00	
TO, LOANS & ADVANCES		28814013.00			
(AS PER SCHEDULE "A")	28814013.00		BY, CASH & BANK BALANCE		1261461.00
			CASH IN HAND	1072.00	
			B.O.M.(60106653012)FINE BE	529301.00	
			B.O.M.(60164137575) EXAM	731088.00	
TOTAL		186968057.00	TOTAL		186968057.00

Place : Amravati

Date : 25/10/2018

C A P & Co.
Chartered Accountants
FRN 144475 W

CA. CHAITANYA INGLE
PARTNER
M.No.119992

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTIC

COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI

RECIEPT & PAYMENT SCHEDULE

(SCHEDULE "A")

LOANS & ADVANCES (LIBILITIES)

PARTICULARS	AMOUNT	AMOUNT
PROVISIONS		24903713.00
PATSANSTHA SHARE PAYBLE	283356.00	
P.F. (EMPLOYEE SHARE) PAYBLE	1582440.00	
P.F. (EMPLOYERS SHARE) PAYBLE	1641677.00	
NONTEACHING STAFF SALARY PAYBLE	2431738.00	
TEACHING STAFF SALARY PAYBLE	18164502.00	
STAFF GRATUITY PAYBLE	800000.00	
UNPAID BILLS		424933.00
NARSINGDAS LADDHA & CO. AMRAVATI	424933.00	
TRF MCA		268576.00
TRF MBA		159367.00
P. R. POTE PATIL EDU. & WEL. TRUST		3057424.00
TOTAL		**28814013.00**

(SCHEDULE "B")

FURNITURE & OTHER FIXTURE

PERTICULER	AMOUNT	AMOUNT
ELECTRONICS ITEM PURCHASE		562216.00
AC PURCHASE	385000.00	
LAPTOP PURCHASE	73216.00	
SCANNER THUMB MACHINE	4000.00	
WATER COOLER PURCHASE	100000.00	
FURNITURE PURCHASE		801200.00
CHAIR PURCHASE	235450.00	
FURNITURE PURCHASE	401243.00	
STOOL PURCHASE	2375.00	
TABLE PURCHASE	162132.00	
LAB EQUIPMENTS		193179.00
CIVIL LAB EQUIPMENTS	83185.00	
CYLINDER PURCHASE	19994.00	
DIGITAL CLASSROOM (PEARSON)	90000.00	
TOTAL		**1556595.00**



P. R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTIONS
COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI
RECIEPT & PAYMENT SCHEDULE
(SCHEDULE "C")
EDUCATIONAL EXP.

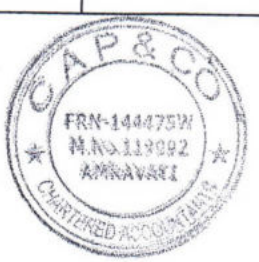
PERTICULER	AMOUNT	AMOUNT
AUDIT FEES		50400.00
BANK CHARGES		35331.00
PROFESSIONAL FEES		66000:00
COMMUNICATION EXP.		123167.00
INTERNET EXP.	79667.00	
POSTAGE & COURIER EXP.	24400.00	
TELEPHONE EXP.	19100.00	
FACULTY DEVLOPMENT (CONFERENCE & SEMINARS)		318337.00
FACULTY PATENT	17600.00	
GROUP HEALTH INSURANCE	207609.00	
IERE FACULTY ADVISER FEE	13000.00	
FACULTY DEVLOPMENT EXP.	10000.00	
ICCUBA CONFERENCE	6000.00	
TEA & REFRESHMENT (CONFERENCE)	64128.00	
ESTABLISHMENT EXP.		2400090.00
CLEANING CHARGES	6514.00	
ELECTRICITY BILL	2161601.00	
GARDEN MAINTENANCE	56000.00	
WATCHMAN CABIN	123310.00	
WATER FILTER RENEWAL EXP.	34265.00	
WEBSITE DEVLOPMENT EXP.	18400.00	
OTHER EXPENSES (RELATED TO STUDENTS)		1720738.00
EDUCATIONAL INDUSTRIAL TOUR (SINGAPOR)	900000.00	
ADM. CANCEL & FEES REFUND TO STUDENTS	520762.00	
MISC. EXP.	299976.00	
LIBRARY EXP.		362525.00
E JOURNAL PURCHASE	141600.00	
LIBRARY EXP.	15000.00	
NEWS PAPER BILL	41925.00	
PRINT JOURNAL EXP.	164000.00	
PRINTING EXP.		301752.00
BOOKLET PRINTING	72184.00	
CALENDER PRINTING	218088.00	
FLEX PRINTING	11480.00	

C A P & CO
FRN-144475W
M.No.119992
AMRAVATI
CHARTERED ACCOUNTANTS

STATIONARY EXP.		1550643.00
BLACK BOARD & GREEN BOARD EXP.	82400.00	
HARD DISC (1 TB)	38000.00	
NAME PLATE EXP.	422588.00	
OTHER STATIONARY	350698.00	
COLLEGE EXAM (ANWERSHEET)	374260.00	
COLLEGE MAGAZINE	9135.00	
NAAC SELF STUDY REPORT	21000.00	
PAPER RIM PURCHASE	188680.00	
COUNCELING RECORD	21000.00	
SWAMI VIVEKANAND BOOKS	42882.00	
REGISTRATION & PROCESSING FEES		1164700.00
EOA PROCESSING FEES	300000.00	
IEEE REGISTRATION	41000.00	
IETE REGISTRATION FEE	30100.00	
NAAC REGISTRATION FEE	522000.00	
PNS PROCESSING FEES (B.E.)	116600.00	
SSS SAMITI FEE	5000.00	
UNI. AFFILIATION FEE	150000.00	
BUILDING MAINTENANCE		1322067.00
BUILDING REPARING & MAINTENANCE	1257242.00	
FIRE EXTENGUISHER	64825.00	
COMPUTER & SOFTWARE MAINTENANCE		443201.00
COMPUTER ASSESORIES & MAINTENANCE	196200.00	
SOFTWARE RENEWAL EXP.	247001.00	
FURNITURE REPAIRE & MAINTENANCE		175738.00
FURNITURE REPAIRE EXP.	23000.00	
LIFT MACHINE MAINTENANCE	84650.00	
XEROX MACHINE MAINTENANCE & REPAIRING	68088.00	
GENRATOR MAINTENANCE		732170.00
GENRATOR MAINTENANCE (DIESEL)	574312.00	
GENRATOR REPAIRING &MAINTENANCE	157858.00	
LAB MAINTENANCE		200818.00
CIVIL LAB	89503.00	
ELECTRICAL LAB	99187.00	
EXTC LAB	12128.00	
VEHICLE REPAIRING & INSURANCE		278416.00
VEHICLE INSURANCE	80752.00	
VEHICLE REPAIRING	197664.00	

CAP & CO FRN-144475W M.No.119092 AMRAVATI CHARTERED ACCOUNTANTS

STUDENTS FUNCTION EXP.		474486.00
STUDENTS GATHERING EXP.		138635.00
SPORTS SPORTS ACTIVITIES		220700.00
GAMES & SPORTS EXP.	42800.00	
SOCIAL ACTIVITIES EXP.	50000.00	
UNI. SPORTS FEES PAID	127900.00	
STUDENTS WELFARE EXP.		331151.00
RESEARCH & DEVLOPMENT EXP.	260000.00	
STUDENT FAREWEL EXP.	71151.00	
TRAINING & PLACEMENT EXP.		936870.00
UNI. COLLEGE EXAM		521174.00
PRACTICAL EXAM EXP.	285346.00	
THEORY EXAM EXP.	235828.00	
UNI. OTHER FEES PAID		508200.00
UNI. I.S.U.M. FEES	72060.00	
UNI. CORPUS FUND	13210.00	
UNI. EMERGENCY FUND	24020.00	
UNI. GAZZATE FEES	3000.00	
UNI. STUDENTS COUNCIL FEES	12010.00	
UNI. STUDENTS SAFETY INSURANCE	24020.00	
UNI. STUDENTS WELFARE FUND	48040.00	
DEGREE CERTIFICATE	95800.00	
PROVISIONAL DEGREE FEES PAID	47900.00	
UNI. ANNUAL FEES PAID	168140.00	
ADVERTISEMENT & PUBLICITY EXP.		1068455.00
F.R.A PROCESSING FEES		111541.00
STAFF UNIFORM EXP.		166959.00
TRAVELING EXP.		171008.00
WAR TANK TROPHY		196664.00
TOTAL		**16091936.00**



P. R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTIONS

COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI

RECIEPT & PAYMENT SCHEDULE

(SCHEDULE "E")

LOANS & ADVANCES

PERTICULER	AMOUNT	AMOUNT
UNPAID BILL PAID		876231.00
NARSINGDAS LADDHA & CO.	674231.00	
M. R. FURNITURE MALL AKOLA	202000.00	
GAJANAN BUILDERS		10000000.00
TRF FROM ME		4630315.00
P. R. PATIL COLLEGE OF ARCHITECTURE		1100000.00
TRANSFER TO SCHOLARSHIP A/C		1130000.00
BY, BANK OVERDRAFT		4805889.00
B.O.M. (60106411368)	4805889.00	
TOTAL		**22542435.00**

C A P & CO
FRN-144175W
M.No.115992
AMRAVATI

M/S C A P & CO
Chartered Accountants

H.O.:Gulshan Plaza,2nd Floor,Opp
Khushal Auto ,Badnera Road,
Rajapeth ,Amravati-444601.
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P. R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTIONS
COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI
RUN BY: P. R. POTE (PATIL) EDUCATIONAL & WELFARE TRUST, AMRAVATI
CONSOLIDATED RECEIPTS & PAYMENT STATEMENT OF (SCHOLARSHIP AC) FOR THE YEAR ENDING 31st MARCH 2018

RECIEPT	AMOUNT	AMOUNT	PAYMENT	AMOUNT	AMOUNT
TO, OPENING BALANCE		11731522.00	BY, BANK CHARGES		54.00
B.O.M. (60106552520)	11304837.00				
I.D.B.I. BANK	426685.00		SCHOLARSHIP RETURN TO GOVT.		1131790.00
TO, BANK INTREST RECIVED		12328.00			
			BY, SCHOLARSHIP PAID		49177603.00
TO, SCHOLARSHIP RECIVED		37887082.00	SCHOLARSHIP & FREESHIP	49177603.00	
SCHOLARSHIP & FREESHIP	37887082.00				
			BY, CLOSING BALANCE		451485.00
RECIVED FROM POTE ENGG FEE		1130000.00	B.O.M. (60106552520)	99651.00	
			I.D.B.I. BANK	351834.00	
TOTAL		50760932.00	TOTAL		50760932.00

Place : Amravati

Date : 25/10/2018

C A P & Co.
Chartered Accountants
FRN 144475 W

CA. CHAITANYA INGLE
PARTNER
M.No.119992

M/S C A P & CO
Chartered Accountants

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P. R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTION'S
COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI
POTE ESTATE, KATHORA ROAD, AMRAVATI
RUN BY: P. R. POTE (PATIL) EDUCATIONAL & WELFARE TRUST, AMRAVATI
INCOME & EXPENDITURE ACCOUNT FOR DEPARTMENT OF BACHELOR OF ENGINEERING (B.E.) THE YEAR ENDING ON 31st MARCH 2018

EXPENDITURE	Amount	INCOME	Amount
TO, SALARY & WAGES	121012444.00	BSNL DEPOSIT REFUND	11499.00
TO, GRATUITY EXP.	2800000.00	PROSPECTUS SELL INCOME	53750.00
TO, PROVIDUND FUND (COLLEGE CONTRIBUTION)	5352802.00	BY, FEES FROM STUDENTS	133352689.00
TO, EDUCATIONAL & CONTINGENCIES EXP.	16091936.00	BY, DEFICIT CARRIED OVER TO BALANCE SHEET	17976343.19
TO, DEPRICIATION	6137099.19		
TOTAL	151394281.19	TOTAL	151394281.19

Place : Amravati

Date : 25/10/2018

C A P & Co.
Chartered Accountants
FRN 144475 W

CA. CHAITANYA INGLE
PARTNER
M.No.119992

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

M/S C A P & CO
Chartered Accountants

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P. R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTION'S
COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI
POTE ESTATE, KATHORA ROAD, AMRAVATI
RUN BY: P. R. POTE (PATIL) EDUCATIONAL & WELFARE TRUST, AMRAVATI.
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDING ON 31st MARCH 2018
SCHOLARSHIP ACCOUNT

EXPENDITURE	Amount	INCOME	Amount
BANK CHARGES	54.00	BY, BANK INTREST RECIVED	12328.00
SCHOLARSHIP RETURN TO GOVT	1131790.00	BY, DEFICIT CARRIED OVER TO BALANCE SHEET	1119516.00
TOTAL	1131844.00	TOTAL	1131844.00

Place : Amravati

Date : 25/10/2018

C A P & Co.
Chartered Accountants
FRN 144475 W

CA. CHAITANYA INGLE
PARTNER
M.No.119092

P. R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTIONS

COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI

POTE ESTATE, KATHORA ROAD, AMRAVATI

RUN BY: P. R. POTE (PATIL) EDUCATIONAL & WELFARE TRUST, AMRAVATI

CALCULATION OF DEPRICIATION ON OTHER ASSETS

SCHEDULE "C"

FOR THE YEAR ENDING ON 31st MARCH 2018

Sr. No.	Item	Rate of Depreciation (A)	Opening WDV As on 1/4/15 (B)	Aditions upto 30 Sept (C)	Aditions From 30 Oct. (C)	Less Deduct (D)	Net Deduct (B+C-D)=E	Depreciation (F) F=(B+C1)XA+C2X(A/2)-D X A	Net Value Depreciation (Closing WDV) G = E-F
1	Computer	25	3641227.88	0.00	0.00	-	**3641227.88**	910306.97	**2730920.91**
2	Books	25	1754952.28	0.00	0.00	-	**1754952.28**	438738.07	**1316214.21**
3	Furniture	15	12809142.00	639068.00	162132.00	-	**13610342.00**	2029391.40	**11580950.60**
4	Machinery	15	17635690.00	755395.00	0.00	-	**18391085.00**	2758662.75	**15632422.23**
Total			**35841012.16**	**1394463**	**162132**	-	**37397607.16**	**6137099.19**	**31260507.95**

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CAP & CO
FRN-144475W
M.No.119092
AMRAVATI
CHARTERED ACCOUNTANTS

M/S C A P & CO
Chartered Accountants

H.O.:Gulshan Plaza,2nd Floor,Opp
Khushal Auto ,Badnera Road,
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P. R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTIONS
COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI
POTE ESTATE, KATHORA ROAD, AMRAVATI
RUN BY: P. R. POTE (PATIL) EDUCATIONAL & WELFARE TRUST, AMRAVATI

CONSOLIDATED BALANCE SHEET FOR (B.E., M.E., M.B.A., M.C.A.,) THE YEAR ENDING OF 31st MARCH 2018

FUNDS & LIABILITY	Amount	Amount	ASSET & PROPERTIES	Amount	Amount
OTHER EDMARKED FUND (AS PER SCHEDULE "A")	34988809.00	34988809.00	FURNITURE & FIXTURE (AS PER SCHEDULE "C")	31260507.95	31260507.95
LIBILITIES (AS PER SCHEDULE "B")	56247985.00	56247985.00	INVESTMENT & DEPOSIT (AS PER SCHEDULE "D")	24073798.00	24073798.00
			LOANS & ADVANCES (AS PER SCHEDULE "E")	25236145.00	25236145.00
			CASH & BANK BALANCE (AS PER SCHEDULE "F")	2338068.00	2338068.00
			INCOME & EXPENDITURE A/C BALANCE AS PER LAST B/s ADD: DEFICIT	(19026022.14) 27354297.19	8328275.05
Total		91236794.00	Total		91236794.00

Place : Amravati

Date : 25/10/2018

C A P & Co.
Chartered Accountants
FRN 144475 W

CA. CHAITANYA INGLE
PARTNER
M.No.119992

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

P. R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTIONS
COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI
RUN BY: P. R. POTE (PATIL) EDUCATIONAL & WELFARE TRUST, AMRAVATI
AS PER SCHEDULE "A" (OTHER EDMARKED FUND)

SR NO.	PARTICULAR	AMOUNT	AMOUNT
1	**DEVLOPMENT FUND**		16084899.00
	AS PER LAST BALANCE SHEET	16084899.00	
2	**DEPRICIATION FUND**		18903910.00
	TOTAL		**34988809.00**

AS PER SCHEDULE "D" (INVESTMENT & DEPOSIT)

SR NO.	PARTICULAR	AMOUNT	AMOUNT
1	MSEB DEPOSIT		497000.00
2	RESERVE FUND UNI.		500000.00
3	AICTE F.D.R.		1500000.00
4	F.D. (M.E.) BANK OF MAHARASHTRA		600000.00
5	F. D. R. (2015-16)		3150000.00
6	BUILDING FUND (UNI.)		150000.00
7	FDR DTE (MCA)		450000.00
8	FDR DTE (MECH DEPT.)		150000.00
9	STDR IN THE NAME OF TRUST		17000000.00
10	T.D.S.		76798.00
	TOTAL		**24073798.00**

P. R. POTE (PATIL) EDUCATION & WELFARE TRUST'S GROUP OF INSTITUTIONS
COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI
RUN BY: P. R. POTE (PATIL) EDUCATIONAL & WELFARE TRUST, AMRAVATI
AS PER SCHEDULE "B" (LIBILITIES)

SR NO.	PARTICULAR	AMOUNT	AMOUNT
1	**SCHOLARSHIP**		8274888.00
	AS PER LAST BALANCE SHEET	19565409.00	
	ADD:- RECIVED FROM GOVT THIS YEAR	37887082.00	
	LESS:-PAID TO STUDENTS THIS YEAR	(49177603.00)	
2	PREPAID FEES		1825147.00
3	ADVANCE TO STAFF		43600.00
4	**UNI. EXAM FEES**		3206023.00
	AS PER LAST BALANCE SHEET	1645950.00	
	ADD:- DURING THIS YEAR	8174521.00	
	LESS:- DURING THIS YEAR	(6614448.00)	
5	**CAUTION MONEY**		498650.00
	AS PER LAST YEAR BALANCE SHEET	498650.00	
6	**UNPAID BILL**		3240945.00
	AS PER LAST YR. BALANCE SHEET	3692243.00	
	ADD: NARSINGDAS LADDHA	424933.00	
	LESS: DURING THIS YEAR	(876231.00)	



P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

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Session 2017-18

6.4.2 Funds and Grants received from management, non-government bodies individuals, philanthropies

Sr. No.	Particulars	Page No.
1.	AQAR cover page	NIL

6.4 Financial Management and Resource Mobilization

6.4.2Funds/Grants received from management ,non-government bodies ,individuals, philanthropies During the year(not covered in Criterion III)

Name of the nongovernment funding agencies/individuals	Funds/Grants received in Rs.	Purpose
Nil	-	-

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

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Session 2017-18

6.5 Internal Quality Assurance System

6.5.1Whether Academic and Administrative Audit(AAA)has been done?

Sr. No.	Particulars	Page No.
1.	AQAR cover page	386
2.	External Academic Audit	387-398
3.	Internal Academic Audit	399-403

6.5 Internal Quality Assurance System				
6.5.1 Whether Academic and Administrative Audit(AAA)has been done?				
Audit Type	**External Agency**		**Internal Agency**	
Academic	Yes	VNIT and Other Private Engg. Institutes, Nagpur	Yes	IQAC
Administrative	In process	-	No	IQAC

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engg. & Management, Amravati

Internal Quality Assurance Cell (IQAC)

External Academic Report

Date of Academic Audit: 19/07/2018 & 21/07/2018
Academic Audit-Suggestions-Central Level

Library:

- Record of Titles added per year
- Record of usability of Reference & Text Books by students and faculty
- Fast accessibility of library data by students
- Indexing-classified to be displayed properly
- Books on career guidance
- Past record of usability/index to be maintained
- List of Journals-Indexed and non-Indexed to be available
- Easy access of Journals to faculty
- Yearwise Book purchase-Department wise
- Science Indexed and Scopus indexed journals to be maintained in the library (at least 2-3)
- Newspaper Stand in Library
- Visitors records to be maintained along with ID proof for authentications.
- Library Budget and Allocation
- No. of hits for Journals and online publications – Record to maintain.
- Size of reference section to be enhanced with all seating facility
- OPEC to be given to all faculty and students
- Sample good thesis of PG/UG students to be kept in the library
- Research paper published by faculty to be available in the library
- Latest issues of magazines/Newsletters to be display in shelf with back volumes.

Campus Infrastructure:

- Energy Audit of campus
- Steps visualization by painting
- Ramps for Labs, Toilets and Library
- Exhaust fans for Labs
- Waste paper baskets in campus
- Fire extinguisher in Labs at reachable distance.
- Vehicle parking to be proper

Institution SWOC Analysis

- Redesign weaknesses
- SWOT to be linked properly

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P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engg. & Management, Amravati

Internal Quality Assurance Cell (IQAC)

External Academic Audit Programme (tentative)

Date of Academic Audit: 19/07/2018 & 21/07/2018

SN	Time	Event	Venue
1	11.30 a. m.	Welcome to H'ble Expert team of Academic Audit	Meeting Hall
2	11.40 a.m.	Presentation by H'ble Principal-About Institution	
3	12.00 noon	Visit to Department	Respective Deptt.
4	12.05 p.m.	Presentation by Head of Department-About Deptt.	
5	12.25 p.m.	Academic Audit by H'ble Expert members	
6	1.45 p.m.	Lunch Break	
7	2.30 p.m.	Academic Audit continue	Deptt.
8	4.00 p.m.	Report writing by Audit members	Meeting Hall
9	4.30 p.m.	Discussion with Management and HODs-Sharing of observations and Suggestions	
10	5.15 p.m.	Vote of Thanks	

IQAC Coordinator

Co-ordinator, IQAC
P.R. Pote (Patil) C O E & M
Amravati

Principal

Chairman, IQAC
P.R. Pote (Patil) C.O.E & M
Amravati

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engg. & Mgmt., Amravati

Internal Quality Assurance Cell (IQAC)

External Academic Audit Report

(2017-18)

Engineering Departments

Sr. No.	Name of File	Department	Status	Suggestions
1	Vision, Mission, POs & PEOs	Electrical Engg.	OK	• Stakeholder meeting should be arranged twice in a year for both department and Institute. • Add feedback from Academician also.
		Mechanical Engg.		• POs, COs, PEOs are to be define and Mapping is to be done in reference to Departmental and Institutional Vision and Mission • Display of Vision, Mission and PEOs in Labs and other prominent locations in the department. • Supporting documentation with process is to be prepared
		CSE Engg.		• PEOs need to focus on strength of department. They need to be more specific. • Faculty need to understand NBA SAR document & Proper documentation accordingly.
		EXTC Engg.		• PEOs and POs are overlapped. No. of PEOs has to be 3 or 4 • They need to visualize what the graduate would be doing after 2-3 years of graduation • Number. of POs to be reduced to 4 or 5. • PEOs should not be look like POs.
		Civil Engg.		• Vision Mission shall be at par with POs and PEOs
2	Academic Calendar & Time Table	Electrical Engg.		• Academic calendar sequence must be like University – Institute – Department – Faculties – Students • Slots for weaker/slow learners, mini-projects in Time Table • Common slot in time table for library hours and recess.
		Mechanical Engg.		• Calendar is there but implementation plan is to be prepared
		CSE Engg.	OK	

		EXTC Engg.		• Ensure & demonstrate, distribute of hard and soft copy of Academic Calendar & TT amongst faculty and students • Include regular programs in Academic Calendar
		Civil Engg.		
3	Teaching load & Work load	Electrical Engg.		• Teaching load for regular faculty –maintain record of 3 years • Total work load of regular faculty to be computed
		Mechanical Engg.		• Teaching Load for Professor, Associate Professor and Asstt. Professor to be maintained
		CSE Engg.	OK	• No comment
		EXTC Engg.		• Very high load difficult to pursue research • Student Teacher Ratio needs to be better than 1:20. This reduces teaching loads and can expect more research output. • Quality and quantity of research is very important for NBA
		Civil Engg.		• Batch wise Tutorials shall be conducted
4	Teaching Plan & Course File	Electrical Engg.		• Prepare course file as per NBA requirement
		Mechanical Engg.		
		CSE Engg.		• Course files OK. • Focus to be there on strengthening basics. • Course assignments need to be given.
		EXTC Engg.		• Need to map COs & POs • Need to understand & adopt OBE in the Teaching-Learning process
		Civil Engg.		• Period wise schedule may be arranged for all subjects
5	Quality of Teaching-Learning Process	Electrical Engg.		**About Academic** • Hierarchy at Institute level and department level should be well defined. • Departmental Structure must be well defined. • Departmental rule book to be prepared. • Academic policy to be prepared. • Academic calendar sequence must be like University – Institute – Department – Faculties – Students • At departmental level, appointment of academic coordinator, R&D coordinator and T&P coordinator to be made. • Internet speed is based on no. of students. **Lectures** • Extra lectures for slow learners must be planned. • Remedial lectures also need to be planned, and maintain the file for the same

				i.e efforts taken by department. • Topics beyond syllabus for each subject are to be delivered in class. • Prepare teaching plan for high / medium / slow learners.
		Mechanical Engg.		• Proper Mechanism and process for T-L to be maintained • Action Taken Report (ATR) to be planned
		CSE Engg.		• Course assignments required. Internal question papers should not be based only on class learning. • Higher level skills should be tested. • Focus need to be given on T-L process & POs attainments • Understand of Bloom's taxonomy is important
		EXTC Engg.		• Subject Tutorials need to improve. • Tutorial batch size may be same as lab batch • Content delivery innovation need to be highlighted • Guest lecture may be as per gap analysis and requirements
		Civil Engg.		• Increase e-resources. • Animations through teaching shall be used in the class.
6	**Quality of Projects**	Electrical Engg.		• Hardware projects to be encouraged • Projects to be properly demonstrated during visits.
		Mechanical Engg.		• -
		CSE Engg.		• Students should be encouraged to build complete systems.
		EXTC Engg.		• In project-technical level and quantum of work is low need to improve. • Substantial improvement in quality of projects is required • Efforts needed to define good projects, Industry defined projects • Projects are important in NBA evaluation
		Civil Engg.		• 3-4 students per project shall be allotted. • Industrial projects to be encouraged.
7	**Faculty Information and contribution (Qualification, SFR, R&D, performance Appraisal)**	Electrical Engg.		**About Faculty** • Regular faculties must be appointed which are working with institute from min. 02 years. • There must be transparency in account section related to faculties' salary. • Faculty allocation First Year: 03 to 04, UG- 09, PG- 04. • Weak faculty be properly advised and motivated for improvement. **Faculty Publications** • Faculty should publish papers in reputed and UGC approved journal only. • Separate file for Index Journals / conferences shall be maintained at department.

				• Faculty can be encourage to attain National, International conferences, STTP, workshop. • Grant received for R&D, more than 04 lakh to be concentrated. • Regular activities to conduct under MOU and check its validity.
		Mechanical Engg.		• Formats to be designed as per criteria of NBA/NAAC • Faculty retention is a matter of concerned.
		CSE Engg.		• Areas and interest of faculties should be mentioned. • They should be encouraged to attend outstation STTP/workshops at reputed institutes (NITs/IITs).
		EXTC Engg.		• More Ph.D. faculty is required to qualify NBA. • Improvement needed in quality and quantity of research papers, patents, externally sponsored research projects etc.
		Civil Engg.		• Papers of faculty and student may be send for publications in SCI/Scopus indexed Journals
8	**Result Analysis (University Exam, Sessional Exam, Internal Marks Assessment)**	Electrical Engg.		**Result Analysis:** • Subject wise and college wise results to be ready. • References to be set for result in every academic year. • Internal Marks must be based on only Unit Test score. • All COs to be included in Test paper.
		Mechanical Engg.		• Record of student passed in one attempt shall be prepared • Success index need to be calculated
		CSE Engg.		• Needs to be done batch wise as per NBA requirements.
		EXTC Engg.		• Authentication of documents is needed signed by teacher/HOD as applicable.
		Civil Engg.		• Students must be motivated for appearing in GATE examination
9	**Industry-Institute Interactions**	Electrical Engg.		• Consultancy to be encouraged in the labs. Several testing facility like power factor improvement, Transformer oil testing etc to be created and promoted. • Prepare documentation properly as per NBA requirement
		Mechanical Engg.		• Need to analyze Impact analysis and prepare documentation. • Some equipment like surface roughweb, profile projects, unconventional machinery which can contribute towards R&D shall be procured.
		CSE Engg.		• MOUs on focused areas need to be there. • Currently, MOUs are like contract documents. • Workshops conducted in the department are good. Proper documentation is needed.
		EXTC Engg.		• Visit reports are to be signed by students

				• MOUs to be done in order to increase IIIC activities in the department
		Civil Engg.		• Experts from Industry shall be invited for Guest Lectures
10	**Quality of Lab Manual, Experiments and Assessment Methodology**	Electrical Engg.		• Lab manual as per NBA format, COs & POs mapping. • List of equipments cost of Rs. 50,000/- and more to be display. • Maintenance policy to prepare and record of the same to be maintained at laboratories. • Every year some new items or equipments need to be purchases for the modernism under departmental budget. • Every year two new experiments must be added in each lab. • Licenses software to be purchase like MATLAB, My POWER, ETAP, PSCAD etc. • Testing / Consultancy facility to be stared for labs. • Some experiments beyond syllabus need to be added. • Experiments title need to be modify. • Add fuse characteristics kit in Switchgear & Protection Lab. • Latest configuration Computers are to be placed in computer lab. • Students made experiment kit to be displayed in labs. • List of experiments to be revised and display (Large flex). • Charts prepared by students to be displayed in Labs. • PWD audit need to be done for civil infrastructure. • Proper ventilation -Exhaust fan and dustbin must be available in each lab. • Energy audit need to be done. • Special lab schedule for absent students to be planned. • Separate PG lab to be provided with licenses software • Additional Electrical workshop need to prepare.
		Mechanical Engg.		• Continuous Assessment of students in Labs is to be prepared • Labs files shall be timely assessed by the faculty. • Display updated labs display (Standard formats are to be designed) • Proper foundations for heavy machinery are needed. • Lab purchases are to be initiated. • Lab Logbook is needed and records are to be maintained.
		CSE Engg.		• Experiments requiring longer code writing need to be given to students. • Practical real life problems should be revised where ever possible.
		EXTC Engg.		• Assessment of marks to be decomposed and spread in wide range in various heads. • Some of the assignments have to challenging so that only a few students

				get high marks.
		Civil Engg.		• Charts/Experimental details shall be displayed in Labs
11	**Student Training & Placement Performance, Higher Studies and Entrepreneurship**	Electrical Engg.		**Training & Placement** • Placement to be improved • Ask students (Pass out) about questions asked in Interview. • Aptitude test need to take continuously (min.10 Tests per student) • T&P department must have the separate sheet of students' selection in Off campus, In campus and Higher Studies.
		Mechanical Engg.		
		CSE Engg.		• T&P data needs to be mentioned as per number of eligible students. • Average CTC and position and nature of job should be mentioned.
		EXTC Engg.		• Offer letter through e-mail to be authenticated • Student's employee ID Cards may be submitted
		Civil Engg.		• More avenues shall be made available for Industrial training after 2nd/3rd year
12	**Professional Activities**	Electrical Engg.		• Record of Student Forum, Chapters are to be maintained in the department
		Mechanical Engg.		• Record of ASME, SAE student participation is to maintained. • Increase number of Technical Workshops organized in the department • Departmental Magazine, Newsletters are to be initiated in the department
		CSE Engg.		• Students should be encouraged to participate in coding contents like ACM, Hackathon,etc.
		EXTC Engg.		• Student participation in outside institutes to be encouraged • Professional society activities may be continued in several years
		Civil Engg.		• More activities shall take place in technical areas
13	**Student Support Systems (Mentoring system, Feedback Analysis, facility feedback, self-learning, career guidance etc.)**	Electrical Engg.		**Self Learning** • Personality development, Communication improvement, confidence build up program for students should be planned. • Motivational lectures by experts and faculty to be planned. • Improve communication skills and confidence build up amongst students • Effective Mentoring system to be required
		Mechanical Engg.		• Documentation and Record of Self-learning and career guidance are to be prepared. No documentation at present in the department.
		CSE Engg.		• Focus on week students is required. English language skill improvement should be done in first year. • They should be prepared for coding contests

		EXTC Engg.		• Space for student counseling to be identified and used • Feedback analysis to be done after feedback. Findings of feedback to be used for improvement.
		Civil Engg.		• Student-mentor program to be initiated • Orientation workshops for First year students to be organized
14	Facilities and Technical Support (Labs, Computational facility, manpower etc.)	Electrical Engg.		• License software to be purchased. • Lab staffs as per payscale, qualifications to be maintained as per rules. • Budget for Labs to be prepared for 3 years
		Mechanical Engg.		
		CSE Engg.		• Open source software needs to be encouraged. • Facility requiring parallel and distributed computing should be developed.
		EXTC Engg.		• Department Library needs separate/dedicated space.
		Civil Engg.		• Technical supports and facility to be improved
15	MOUs, Technology Transfer, Funded Projects	Electrical Engg.		• To be improved/Started • Labs to be enriched • List of MOUs is required. • Conduct various activities under MOUs.
		Mechanical Engg.		• Only IDEC funded projects are available. Need to focus on Research based Funding schemes and projects in the department
		CSE Engg.		• There is one IEDC funded project. Faculty should be encouraged to seek external funding.
		EXTC Engg.		• MOUs need to be done with industries in order to increase Industry Institute interactions & it is to be used for organizing training, workshop, industrial visits and for final year projects
		Civil Engg.		• Efforts shall be made for these activities
16	Any Other (Please Specify)___	Electrical Engg.		• HOD Office -Meeting room should be provided. • Social Activity - "Gram Dattak Yojana" should be planned and develop with technology
		Mechanical Engg.		
		CSE Engg.		• Details of experiments conducted using virtual labs need to be provided.
		EXTC Engg.		• POs and Cos understanding needs efforts • Budget and governance documentation is required as per NBA expectations.
		Civil Engg.		• Professors/Emeritus and Guest faculties shall be appointed in the department • Test series to be conducted for poor students • Existing faculty shall pursue Ph.D at the earliest.

Suggestions for Central Activities

SN	Central Facility	Suggestions
1	**Institute Vision & Mission**	Process and Review to be workout **Institution SWOC Analysis** • Redesign weaknesses • SWOT to be linked properly
2	**Budget**	• Central Budget to be align with Department and allied services
3	**Library**	• Record of Titles added per year • Record of usability of Reference & Text Books by students and faculty • Fast accessibility of library data by students • Indexing-classified to be displayed properly • Books on career guidance • Past record of usability/index to be maintained • List of Journals-Indexed and non-Indexed to be available • Easy access of Journals to faculty • Yearwise Book purchase-Department wise • Science Indexed and Scopus indexed journals to be maintained in the library (at least 2-3) • Newspaper Stand in Library • Visitors records to be maintained along with ID proof for authentications. • Library Budget and Allocation • No. of hits for Journals and online publications – Record to maintain. • Size of reference section to be enhanced with all seating facility • OPEC to be given to all faculty and students • Sample good thesis of PG/UG students to be kept in the library • Research paper published by faculty to be available in the library • Latest issues of magazines/Newsletters to be display in shelf with back volumes. • E-books availability in library
4	**Campus Infrastructure**	• Energy Audit of campus • Steps visualization by painting • Ramps for Labs, Toilets and Library • Exhaust fans for Labs • Waste paper baskets in campus • Fire extinguisher in Labs at reachable distance. • Vehicle parking to be proper
5	**Others**	• Do not increase the intake, focus should be on quality education

		• Educational Exhibition to be organized • Arranged Meditation Hall for students and staff for Holistic development • Scientists photos shall be displayed in Labs • Data to be prepared having score more than 7.5 CGPA, GATE appeared and success rate • Arranged counseling, guidance and Motivation for GATE

External Academic Audit Expert Member Details

Date of Audit	Department	Name of Expert/Designation	Name of Organization	Address details
19/07/2018	Electrical Engineering	Dr. M. K. Khedkar, Professor & HOD **(Chairman)**	Department of Electrical Engg, VNIT, Nagpur	Email:mohankhedkar@eee.vnit.ac.in Mobile No:9422148053
		Dr. K. B. Porate, Professor & HOD **(Member)**	Department of Electrical Engg., PCE, Nagpur	Email: kporate@yahoo.com Mobile No: 8668522650
21/07/2018	Mechanical Engineering	Dr. V. R. Kalamkar, Professor & HOD **(Chairman)**	Department of Mechanical Engg, VNIT, Nagpur	Email: vilas_kalamkar@mec.vnit.ac.in Mobile No: 9923202066
		Dr. S. S. Chaudhari, Professor & HOD **(Member)**	Department of Mechanical Engg., YCCE, Nagpur	Email:sschaudharipatil@rediffmail.com Mobile No:9545531727
21/07/2018	Computer Science & Engineering	Dr. U. A. Deshpande, Professor & HOD **(Chairman)**	Department of CSE Engg, VNIT, Nagpur	Email:uadeshpande@gmail.com Mobile No:9822608329
		Dr. M. M. Raghuwanshi, Professor **(Member)**	Department of CSE Engg, YCCE, Nagpur	Email:m_raghuwanshi@rediffmail.com Mobile No:9764996596
01/08/2018	Civil Engineering	Dr. L. M. Gupta, Professor **(Chairman)**	Department of Applied Mechanics, VNIT, Nagpur	Email:lmgupta@apm.vnit.ac.in lmgupta_vrce@yahoo.co.in Mobile No:9422125802
		Dr. P. S. Pajgade, Professor **(Member)**	Department of Civil Engg, PRMITR, Amravati	Email: ppajgade@gmail.com Mobile No: 9422855343
21/07/2018	Electronics & Telcomm. Engineering	Dr. A. S. Gandhi, Professor **(Chairman)**	Department of EXTC Engg, VNIT, Nagpur	Email: asgandhi@ece.vnit.ac.in Mobile No: 0712-2801217
		Dr. P. V. Ingole, Professor **(Member)**	Department of EXTC Engg., PRMITR, Amravati	Email:pvingole@gmail.com Mobile No:9421818800

IQAC Coordinator

Principal

Chairman, IQAC
P.R. Pote (Patil) C.O.E & M
Amravati

Copy to: The Management/Head of Department/Coordinator, IQAC Cell

Name of Department		MBA				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
3	Academic Calendar	Hard	√	√	√	Staff & Student academic calendar should be separate
8	Faculty details (List of teaching and non-teaching faculty and their profile, Appointment letters, joining report, resignation letter, Leave record, etc)	Soft	√	√	√	Central file needed
15	Result Analysis (University Exam, Sessional Exam)	Soft	√	√	√	Remedial measures for poor results is missing
16	Internal Marks Assessment	Soft	√	√	√	Viva + Assessment sheet
18	Industry Institute Interaction (Industrial tour, MOU signed)	Soft/Hard	√	√	√	Training, STTPs, Conference data is needed
22	Departmental Annual Report	Hard	√	√	√	Include news cutting

Name of Department		MCA				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
6	Roll list of student	Hard/Soft	√	√	√	Univ. Enroll. No for session 2017-18 to be updated
10	Course file & Personal file	Soft/Hard	√	√	√	Index is required
11	Teaching Plan	Soft	√	√	√	
17	Details of R & D consultancy, projects, etc.	Soft/Hard	√	√	√	Separate file of Research papers & certificates is required
19	Student feedback Analysis	Soft	√	√	√	S-18 data
20	Parents meet, letters to parents, Counseling record	Soft/Hard	√	√	√	Combine file of counseling record
23	Training & Placement Record	Soft/Hard	√	√	√	Offer letter of student placed

(Dr. S. B. Warkad)

IQAC Coordinator

Co-ordinator, IQAC
P.R. Pote (Patil) C O E & M
Amravati

(Dr. S. D. Wakde)

Principal

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P. R. Pote (Patil) Edu. & Welf. Trust,

College of Engineering & Management, Amravati

Internal Quality Assurance Cell (IQAC)

No. PRPCEM/IQAC/Notice/...17.../2018 Date: 19/04/2018

NOTICE

The academic monitoring of the department is to be done as per the schedule given below. All the HODs are hereby informed to prepare and make ready Academic documentation as per available formats. They are also requested to present documentation before Audit committee for verification.

Schedule for Academic Monitoring -Documentation

Date	Name of Department	Auditors
26/04/18	First Year	Dr. S. B. Warkad (C) ; **Prof. Vaishali Bhagat** (M); Prof. P. N. Pusdekar (M); Dr. P. S. Ardak (M)
	Mechanical Engg.	Prof. D. A. Shahakar, HOD, Elect. Engg. (C) ; Dr. Nilima Kalambe (M); **Prof. A. Kapse** (M); Prof. S. P. Bhonge (M)
27/04/18	Electrical Engg.	Prof. Mohd. Zuhair, HOD, Civil Engg, (C) ; Prof. A. D. Bhoyar (M); Prof. P. Soni. (M); Dr. S. A. Khapare (M)
	Computer Sci. & Engg	Prof. R. D. Ghongade, HOD, EXTC Engg. (C) ; Prof. Yogita Khair (M); Prof. Ajay W. Mahore (M); Prof. Sachin Saraf (M)
	MBA	Dr. Chitra Dhawale (C)
28/04/18	Civil Engg.	Dr. S. G. Fale, HOD, Mech. Engg. (C) ; Prof. A. A. Ghute (M); Prof. G. D. Nagoshe (M); Prof. S. K. Nanda (M)
	Electronics & Telecom. Engg	Prof. V. B. Gadicha, HOD, CSE. (C) ; Prof. **N. R. Thakre** (M); Dr. C. A. Dhawale (M); Prof. A.K. Chikeshwar (M)
	MCA	Prof. S. R. Shah (C)

(Dr. S. B. Warkad)
Coordinator, IQAC Cell

(Prof. Mohd. Zuhair)
Vice-Principal

Co-ordinator, IQAC
P.R. Pote (Patil) C O E & M
Amravati

Copy to:

1) HOD, Electrical _____ 2) HOD, EXTC _____

3) HOD, Mechanical _____ 4) HOD, CSE _____

5) HOD, Civil Engg. _____ 6) HOD, First Year _____

7) HOD, MBA Deptt _____ 8) HOD, MCA Deptt _____

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P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engg. & Management, Amravati

Internal Quality Assurance Cell (IQAC)

Academic Monitoring Report Analysis

(2017-18)

SN	Name of Department	Date of Audit	Name of Internal Auditor
1	B.E. First Year Department	26/04/2018	Dr. S. B. Warkad (C) ; Prof. Vaishali Bhagat (M); Prof. P. N. Pusdekar (M); Dr. P. S. Ardak (M)
2	Mechanical Engineering	26/04/2018	Prof. D. A. Shahakar, HOD, Elect. Engg. (C) ; Dr. Nilima Kalambe (M); Prof. A. Kapse (M); Prof. S. P. Bhonge (M)
3	Electrical Engineering	28/04/2018	Prof. Mohd. Zuhair, HOD, Civil Engg, (C) ; Prof. A. D. Bhoyar (M); Prof. P. Soni. (M); Dr. S. A. Khapare (M)
4	Computer Science & Engineering	25/04/2018	Prof. R. D. Ghongade, HOD, EXTC Engg. (C) ; Prof. Yogita Khair (M); Prof. Ajay W. Mahore (M); Prof. Sachin Saraf (M)
5	Civil Engineering	27/04/2018	Dr. S. G. Fale, HOD, Mech. Engg. (C) ; Prof. A. A. Ghute (M); Prof. G. D. Nagoshe (M); Prof. S. K. Nanda (M)
6	Electronics & Telecomm. Engineering	28/04/2017	Prof. V. B. Gadicha, HOD, CSE. (C) ; Prof. N. R. Thakre (M); Dr. C. A. Dhawale (M); Prof. A.K. Chikeshwar (M)
7	M.B.A.	27/04/2018	Dr. Chitra Dhawale (C)
8	M.C.A.	03/05/2018	Prof. S. R. Shah (C)

Departmental Analysis (Shortcoming)

Name of Department		First Year Engineering				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
10	Course file & Personal file	Soft/Hard	√	√	√	Incomplete Course File- Prof. MCG; Variations in Actual & Planned Lecture Data
11	Teaching Plan	Soft	√	√	√	
20	Parents meet, letters to parents, Counseling record	Soft/Hard	√	√	√	Counseling Record to complete
21	Lab Manual	Soft/Hard	√	√	√	Need to Improve-Add at least one new experiment in each lab

Name of Department		Mechanical Engineering				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
1	Vision, Mission, POs, PEOs	Hard/Soft	√	√	√	Stakeholders Feedback, meeting
7	Project / Seminar	Hard/Soft	√	√	√	Record to be updated
8	Faculty details (List of teaching and non-teaching faculty and their profile, Appointment letters, joining report, resignation letter, Leave record, etc)	Soft	√	√	√	Approved Letter of Dr. S. G Fale
9	Inward file/Outword File/Notices	Hard	√	√	√	Missing
10	Course file & Personal file	Soft/Hard	√	√	√	Data need to arrange in given format
11	Teaching Plan	Soft	√	√	√	
12	Student Attendance Record	Soft	√	√	√	Pending-W-17; S-18
13	Sessional Exam Record	Soft	√	√	√	Pending-S-18
14	Syllabus coverage report	Soft/Hard	√	√	√	Pending-S-18
15	Result Analysis (University Exam, Sessional Exam)	Soft	√	√	√	Pending-W-17
16	Internal Marks Assessment	Soft	√	√	√	Pending-W-17
18	Industry Institute Interaction (Industrial tour, MOU signed)	Soft/Hard	√	√	√	MOU is not available
20	Parents meet, letters to parents, Counseling record	Soft/Hard	√	√	√	Pending-W-17 & S-18 data
21	Lab Manual	Hard	√	√	√	Need to improve
23	Training & Placement Record	Soft/Hard	√	√	√	GD, Technical Session Records should be available

Name of Department		Electrical Engineering				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
1	Vision, Mission, POs, PEOs	Hard/Soft	√	√	√	Stakeholder Feedback, POs to be updated
4	Teaching load or work load	Soft	√	√	√	List of Faculty as per Time Table
7	Project / Seminar	Hard/Soft	√	√	√	Pending-Evaluation for Session 2017-18
8	Faculty details (List of teaching and non-teaching faculty and their profile, Appointment letters, joining report, resignation letter, Leave record, etc)	Soft	√	√	√	Signature of HOD, Joining dates of Faculty to be updated Separate list of UG & PG Faculty
11	Teaching Plan	Soft	√	√	√	Variations in Actual & Planned Data; Engaged
13	Sessional Exam Record	Soft	√	√	√	Signature of HOD & Inv. On documents
16	Internal Marks Assessment	Soft	√	√	√	Signatures of concerned subject faculty is missing
19	Student feedback Analysis	Soft	√	√	√	Feedback analysis is missing, Signatures of HOD & faculty
20	Parents meet, letters to parents, Counseling record	Soft/Hard	√	√	√	Signatures of HOD & faculty

Name of Department		Computer Science & Engineering				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
7	Project / Seminar	Hard/Soft	√	√	√	Pending-Session 2017-18
8	Faculty details (List of teaching and non-teaching faculty and their profile, Appointment letters, joining report, resignation letter, Leave record, etc)	Soft	√	√	√	Pending – Session 2015-16 & Session 2016-17
10	Course file & Personal file	Soft/Hard	√	√	√	Arrangement of documents in same file is needed
11	Teaching Plan	Soft	√	√	√	
20	Parents meet, letters to parents, Counseling record	Soft/Hard	√	√	√	Missing-Minutes of meetings

Name of Department		Electronics & Telecommunication Engineering				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
1	Vision, Mission, POs, PEOs	Hard/Soft	√	√	√	Stakeholder Feedback- Invitation letters to Industry is missing
10	Course file & Personal file	Soft/Hard	√	√	√	Documents required for Course file
11	Teaching Plan	Soft	√	√	√	
14	Syllabus coverage report	Soft/Hard	√	√	√	Monthly cumulative report is required
15	Result Analysis (University Exam, Sessional Exam)	Soft	√	√	√	Remedial actions is not found; HOD signature is needed
17	Details of R & D consultancy, projects, etc.	Soft/Hard	√	√	√	
18	Industry Institute Interaction (Industrial tour, MOU signed)	Soft/Hard	√	√	√	MOU document for S-17-18 is required; company acknowledge letters are missing

Name of Department		Civil Engineering				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
9	Inward file/Outword File/Notices	Hard	√	√	√	To be updated on daily basis
10	Course file & Personal file	Soft/Hard	√	√	√	Files need to be Indexed for all files, other documents i.e. teaching plan need to update
11	Teaching Plan	Soft	√	√	√	
23	Training & Placement Record	Soft/Hard	√	√	√	To be indexed

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

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Session 2017-18

6.5.2 Activities and support from the Parent – Teacher Association

Sr. No.	Particulars	Page No.
1.	AQAR cover page	404
2.	EXTC	405-413
3.	Electrical	414-421
4.	CSE	422-437

6.5 Internal Quality Assurance System

6.5.2 Activities and support from the Parent – Teacher Association:

Year	Activity	Date/Time	No. of Parents attended the meeting
Department of Electronics & Telecommunication			
2017-18	Parent- Teacher Meet	24 February 2018 12.30 pm – 3.30 pm	75
Department of Electrical Engineering			
2017-18	Parent- Teacher Meet	24 February 2018	40
Department of Computer Science & Engineering			
2017-18	Parent- Teacher Meet	17th March 2018	25

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!! SHREE GAJANAN MAHARAJ PRASANNA !!

P. R. Pote (Patil) Education & Welfare Trust's Group of Institution,
College of Engineering & Management, Amravati (M. S.)
Kathora Road, Amravati (Ph. No. 0721 – 2530342, 44, 2530089, Fax No.2530341)

NOTICE

All the faculties of Department of Electronics and Telecommunication are hereby informed that, department is going to organise Parents-Teacher meeting (Session 2017-18) for IInd, IIIrd and final year students on 07/10/2017. So all Faculty members, counselors and class coordinators are requested to be present for the same at Mahatma Gandhi Hall,sharp at 9.30 am.

Schedule

Year	Class Room No.	Time	Name of Coordinator
Second Year	201	12.30 AM	Prof. V. B. Langote
Third Year	202	12.30 AM	Prof. J. J. Zunzunwala
Final Year	203	12.30 AM	Prof.P. N. Pusdekar

HOD

(Prof. R. D. Ghongade)

(EXTC)

H.O.D. (EXTC Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

!! SHREE GAJANAN MAHARAJ PRASANNA !!
P. R. Pote (Patil) Education & Welfare Trust's Group of Institution,
College of Engineering & Management, Amravati (M. S.)
Kathora Road, Amravati (Ph. No. 0721 – 2530342, 44, 2530089, Fax No.2530341)

Detail Schedule for Parents Meeting

The Parent Teacher Meeting will conduct as per the following schedule –

1) Registration of parents at the registration desk at 10:00 am. Distribution of feedback forms at the registration desk.
2) Commencement of parent teacher meeting with speech of Dr. S. D. Wakde, Principal PRPCEM.
3) Felicitation of toppers (Year wise).
4) Speech by Prof. R. D. Ghongade HOD Dept. of EXTC.
5) Question answer session of the parents with Dr. S. D. Wakde&Prof. R. D. Ghongade and other faculties and guest.
6) Vote of thanks.
7) Conclusion of meeting at 12:00 pm followed by tea and snacks for the parents.
8) Commencement of parent teacher meeting at the Department at 12 :30 pm
9) Collection of feedback forms at the registration desk.
10) Analysis of the feedback forms for Department of Electronics and Telecommunication.

Request to all the Class Coordinators for parent meeting to prepare and make feedbackanalysis report of their Class.

Parents Meet 2017-18

24/02/2018.

Registration List

Sr. No.	Name of Students	Name of Parents	Year	Signature
1.	Arjun Chauhan	Pratapsingh Chauhan	2	
2.	Aarti Nagpure	Shankarrao Nagpure	2	
3.	Ashish Honale	Eknath Honale	2	
4.	Deeksha Khirsagar	Sureshrao Khirsagar	2	
5.	Gopal Kale	Rambhau Kale	2	
6.	Harshal Kakde	Umakant Kakde	2	
7.	Hrishabh Waukhade	Mahendra Waukhade	2	
8.	Jayesh Chauhan	Kishor Chauhan	2	
9.	Khitija Gharol	Wasudeo Rao Gharol	2	
10.	Kiran Patke	Dilip Patke	4	
11.	Ankita Gawande	Raju Gawande	4	
12.	Aparna Kale	Dinesh Kale	4	
13.	Ashwini Bhattad	Rameshwar Bhattad	4	
14.	Asmita Landge	Purushottam Langge	4	
15.	Bharti Koltake	Dhyndeo Koltake	4	
16.	Bhavika Bhise	Jaiardhan Bhise	4	24/02/18
17.	Dhanshree Chabukswar	Mukund Chabukwar	4	
18.	Di Lavte.	Vilas Lavte	4	
19.	Dipali Shingade	Damodarrao Shingade	3	
20.	Gauri Atkare	Vipin Atkare	4	
21.	Kajal Dhote	Hemant Dhote	4	
22.	Kalyani Chaudhari	dilip chaudhari	3	
23.	Kalyani Barbudhe	sahebrao Barbudhe	4	
24.	Kirti More	Ramrao More	4	
25.	Komal Dhavak	Ratnakar Dhavak	3	
26.	Komal Mokalkar	Sanjeev Mokalkar	3	
27.	Komal Yenkar.	Subhash Yenkar.	4	

28.	Mausi Sharma	Gopal Sharma	4	Gopal.
29.	Manjri Dhande	Ravindra Dhande	3	R.Dhande.
30.	Mausi Pawade	Gajanan Pawade	3	G.Pawade
31.	Megha Takzure	Narendra Takzure	3	N.Takzure
32.	Minal Khard Bhuje	Vishweshwar Khardbhuje	3	M.Bhuje
33.	Mrunal Kukade	Hemanji Kukade	4	Kuk.
34.	Neha Mahekar	Arunrao Mahkar	4	
35.	Neha Meshram	Mahendra Meshram	4	
36.	Nileshwari Sod	Prabhakar Sod	3	Sod
37.	Nisha Gadling	Rajendra Gadling	4	Rajen.
38.	Pooja Kudwe	Sharad Kudwe	3	Sharad
39.	Pournima Joshi	Chandrashekar Joshi	3	Chjoshi.
40.	Prachi dongardive	Santosh dongardive	3	S.D.
41.	Prachi Jamnekar.	Vishnu Jamnekar	3	V.Jam.
42.	Prajakti Sonone	Suresh Sonone	3	S.Sonone
43.	Pratiksha Mandale	Sureshrao Mandale	3	S.Mand.
44.	Shivani Bhende	Pramod Bhende	3	P.Bhnd.
45.	Shraddha Dahane	dilip dhane	3	D.Dhane.
46.	Shweta Pande	Subhash Pande	3	S.Pande
47.	Supria Bhele	Pramod Bhele	3	Bhele.
48.	Manju Vinchurkar	Sanjay Vinchurkar	3	
49.	Monoj Kudwe	Sharad Kudwe	2	Kudwe.
50.	Mayur Firapure	Narendra Firapure	2	N.Tal.
51.	Mayuri Chaudhari	Gajanan Chaudhari	2	
52.	Mohini Damodhar	Ramesh Damodar	2	R.M.
53.	Gaurav Tajne	Rajeshwar Tajne	4	R.Tajne
54.	Jeevan Sarode	Vikasrao sarode	4	V.Sarv.
55.	Jeevan Rathod	Hari Rathod	4	H.Rathod
56.	Nikhil Waukhade	Narendra Waukhade	4	Waukhade.
57.	Piyush Thakur	Ganeshsingh Thakur	4	G.Thakur
58.	Pranit Vishwakarma	Pradip Vishwakarma	4	P.Vish.
59.	Prasad Talokar	Rammurti Talokar	4	
60.	Ritesh Vidhale	Sunilrao Vidhale	4	
61.	Rohit Chopkar	Ramesh Chopkar	4	
62.	Rohit Gaelpale	Vijay Gaelpale	3	
63.	Rushabh Bhagat	Anilrao Bhagat.	3	
64.	Rushikesh Pachare	Avinashrao Pachare	3	Pachare

65.	Rushikesh Rukas	Raghunath Fukat		
66.	Rushikesh Wakode	Anil Wakode		
67.	Sanket Bondre	Arun Bondre		
68.	Saurabh Bhoke	Anil Bhoke		
69.	Shailesh Ugale	Sunilkrushna Ugale		
70.	Shard Bhole	Anil Bhole		
71.	Shubham Harne	Bhyaneshwarrao Hare		
72.	Shubham Pawade	Ramrao Pawade		
73.	Suraj Thakare	Shivendra Thakare		
74.	Uday Sayyam	Prashantrao Sayyam		
75.	Mrunal Radke	Rajabhau Radke.		

HOD

Dr. R. D. Ghongade
H.O.D. (EXTC Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote (Patil) Education & Welfare Trust's Group of Institution

COLLEGE OF ENGINEERING & MANAGEMENT

Department of Electronics and Telecommunication

PARENT - TEACHER MEETING REPORT

Department of Electronics and Telecommunication organized 'Parents Meet' for Second, Third and Final Year Engineering Students on 7 October, 2017. The Program started as the chief guest and other dignitaries arrived at the college premises at 11.15 am. The meeting started with the welcome address of Principal, Dr. S.D. Wakde. She briefed the gathering with a presentation on the general information about the institute, activities carried out at PRPCEM and some achievements of students/staff.Theagenda of the meeting was to interact with the parents, update them about initiatives of theacademy for the students and seek their involvement in educating their wards.

As Parent Teacher Meeting in the current academic year was conducted on October 7, 2017. Seventy four parents were reported for the meet. The year wise attendance ofParent Teacher Meeting is as follows.

1. Second Year (Electronics) - 35
2. Third Year (Electronics) - 22
3. Final Year (Electronics) - 18

The first parents meet for the academic year 2017-2018 was held in PRPCEM at the Mahatma Gandhi Hall, on the 7 October 2017 from 12:30 pm. To 3:30 pm. The meeting started at 12:30 pm. Following the speech from principal, Prof. R. D. Ghongade -Head, EC dept. requested the parents for the interactive session/suggestions.

- To evaluate the progress of the students in this academic year, in the curricular as well as non-curricular activities.
- To remind about rules and regulations of PRPCEM.
- To inform the parents that, they too are responsible for the progress of their ward.

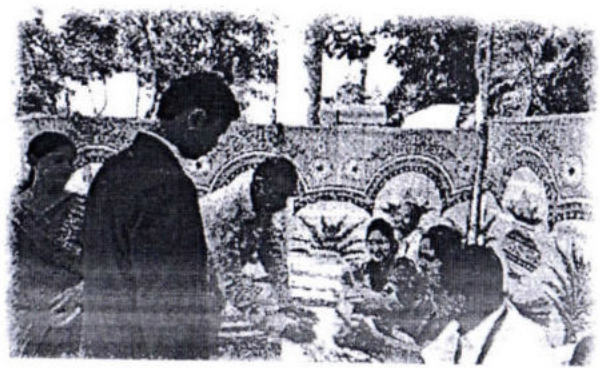
After the welcome speech, Prof. S. P. Bhongeintroduced all the class teachers and the subject teachers and explained the importance of the meet and the key points to be discussed. The parents were asked to have a look at the marks of their ward, and identify the roll numbers so that it will be Convenientto everyone to know the year and class to which their ward belongs. All the class teachers and the subject teachers of their respective division addressed the Parents. Following key points were discussed in the Meet:

- Attendance of the students, Online and offline exam marks, Behaviour of the student in class.

We received followingsuggestions from the parents.

1) Programmes for GATE, IES, MPSC and UPSC guidance
2) Internship Programme for the students
3) Practical Training in industry
4) Proud moment for us that our ward is studying at PRPCEM
5) More projects and Industrial visits
6) Regarding to provide funds for projects.
7) Aptitude test, special programme for competitive exam.

IMAGES OF PARENTS MEETING





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DEPARTMENTAL LEVEL FEEDBACK

Q.1 Are you aware about your ward's attendance in the college?



Q.2 Are you aware of your ward's academic performance at present?



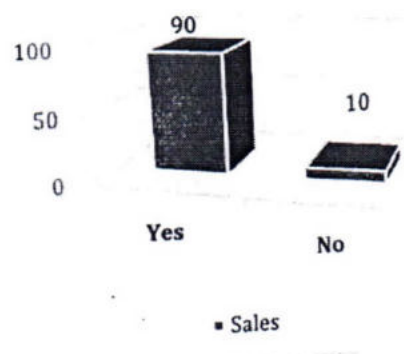
Q.3 Are you aware about Learning - Teaching process at PRPCEM?



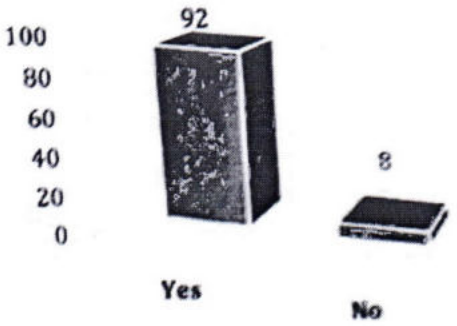
Q.4 Do you feel Learning - Teaching process in PRPCEM useful to make student Industry ready?



Q.6 Do you feel facilities in the college are adequate?

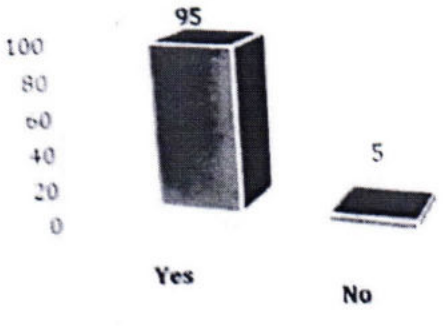


campus?



• Sales

staff?



• Sales

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P.R.Pote (Patil) College of Engineering &Management ,Amravati

Department of Electrical Engineering

Academic Session 2017-18 (Even Sem)

NOTICE

Date : 17/02/2018

All students of Department of Electrical Engineering are hereby informed that there will be **Departmental Parent-Teacher meet on Saturday, 24th February 2018 at 11:00 am**. All students should take note of it and convey the same to their parents. It is expected maximum number of parents should attend the meet.

Venue: Electrical Engineering Department, PRPCEM, Amravati

Prof.P.R.Rane

Parents Meet Coordinator

Prof.D.A.Shahakar

HOD (EE)

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P.R.Pote (Patil) College of Engineering &Management ,Amravati

Department of Electrical Engineering

Academic Session 2017-18 (Even Sem)

Parent-Teacher Meet

INVITATION

Dear Mrs / Mr ....., parent of the student.....

On behalf of Department of Electrical Engineering, PRPCEM, you are cordially invited to the **Departmental Parent-Teacher meet on Saturday, 24th February 2018 at 11:00 am**. Please consider this letter as formal invitation to the parent teacher meeting.

Venue: Electrical Engineering Department, PRPCEM, Amravati

Prof.D.A.Shahakar

HOD (EE)

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P. R. Pote (Patil)Education & Welfare Trust's, Group of Institutions,College of Engineering & Management, Amravati

Department of Electrical Engineering

Session 2017-18

List of parents attended the parents meeting dated 24/02/18

Sr.No.	Name of Parents	Sign
1	Dhondiba Bhange	धोंडिबा भांगे
2	Sunilrao Sarode	[illegible]
3	Rameshrao Irpachi	[illegible]
4	Avinash Wankhade	[illegible]
5	Rajendra Belsare	[illegible]
6	Ganesh Khupase	[illegible]
7	Sunil Lipne	[illegible]
8	Atmaram Patil	[illegible]
9	Rameshwar Laade	[illegible]
10	Bhaiyya chakre	Bhakre
11	Prakash Kove	[illegible]
12	Pradeep Kursange	[illegible]
13	Vasudev Nandurkar	[illegible]
14	Manoj Wankhade	[illegible]
15	Ravindra Kalaskar	[illegible]
16	Gajanan Phote	Phote Gautam
17	Arun Sambharkar	[illegible]
18	Manoj Phote	[illegible]
19	Saraydhar Hage	[illegible]
20	Vijay Bhannare	[illegible]
21	Gajanan Wankhade	[illegible]
22	Himmatrao Wmap	HWmap
23	Omkar Tamthe	[illegible]
24	Sajayrao Sultane	Sultane
25	Rajendra Patende	[illegible]

26	~~Bhagat~~ Hanuk Ingale	Ningale
27	Chatrapati Athawale	Chatrapatiwale
28	Vaibhav Wankhade	Wankhade
29	Naresh Satramwar	Satramwar
30	Ravindra Kale	Kale
31	Damodhar Pohorkar	Pohorkar
32	Ashok Keshwani	Akeshwani
33	Diliprao Dhok	Dhok
34	Rajesh Satpute	Satpute
35	Rajesh Murai	Murai
36	Nilkath Ingale	Ningale
37	Pandurang Kadam	Kadam
38	Vilash Wasnik	Vwasnik
39	Subhash Kapgate	Skapgate
40	Dinkar Umale.	Umale.
41		
42		
43		
44		
45		

HOD Electrical Engineering
HOD (Elect. Dept.)
P.R. Patil (Patil) College of Engg. & Management
Amravati.

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P.R.Pote (Patil) College of Engineering & Management ,Amravati

Department of Electrical Engineering

Academic Session 2017-18 (EvenSem)

Report of Parent-Teacher Meet

A Departmental Parent-Teacher meet of Electrical Engineering department , PRPCEMwas conducted of on **Saturday, 24th February 2018 at 11:00 am**.Meeting was Chaired by Dr.S.D.Wakade, Principal PRPCEM and Prof. D.A.Shahakar, HoD Electrical Engg department.

Minute to minute schedule of online Parents meeting was planned as below

Sr.No.	Activity	Person	Time (min)
1.	Welcome speech	Prof.P.R.Rane	3:30 min
2.	Address by Principal	Dr.S.D.Wakade	10 min
3.	Briefing of all Departmental Activities	Prof.D.A.Shahakar	15 min
4.	Sharing of Experience/ views by students	Students from Final year	10 min
5.	Sharing of Experience/ views by parents	Parents	15 min
6	Interactive session	Parents and Staff members	15 min
7.	Feedback	Prof.P.R.Rane	2 min
8.	Vote of Thanks	Prof.P.R.Rane	2 min

Initially Prof.P.R.Rane welcomed Dr.Mrs.S.D.Wakade, Principal PRPCEM, all the Parents, students and Staff members of Electrical department.She explained the importance of the meetand briefed the agenda of meetingwhich was to interact with the parents, update them about their wards academic performance and seek their involvement in educating their wards. Almost 45 parents were present for the meeting. After that Dr.Mrs.S.D.Wakade, addressed the gathering on the general information about the institute, activities carried out at PRPCEM and some achievements of students/staff.Following the speech by principalmadam, Prof. D. A.

Shahakargave the overview of various activities conducted under the department through a lively presentation. It included the syllabus covered by staff, counselling, Unit test result analysis, University result of previous sem, activities conducted under EESA forum, Training and placement activities, workshops conducted for students and achievements of students/staff.He requested the parents for the interactive session/suggestions.

After that students shared their experience in the college and in Electrical department. Almost everyone appreciated efforts taken by the departmental staff and T & P department for their overall development. Followed by students, parents expressed their views. Almost all parents were satisfied with the efforts taken by department for the academic and over all development of their ward.

After this, Prof. P.R.Rane introduced all the class teachers and the subject teachers.
All the class teachers and the subject teachers of their respective division addressed the Parents.The parents were asked to interact with teachers and have a look at the academic performance of their ward, which included Attendance of the students, exam marks, Behavior of the student in class.

Few suggestions received from the parents were regarding

1) Preparation of GATE exam
2) Industrial Internship for the students
3) More Industrial visits
4) Developing communication skills in students
5)Core companies to be approached for placement





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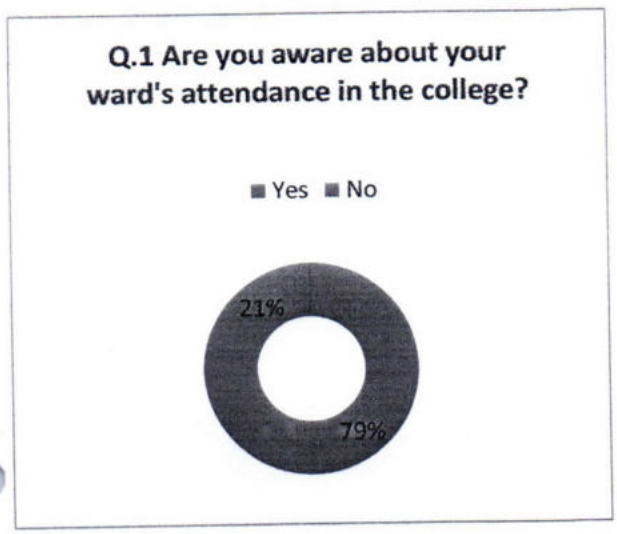
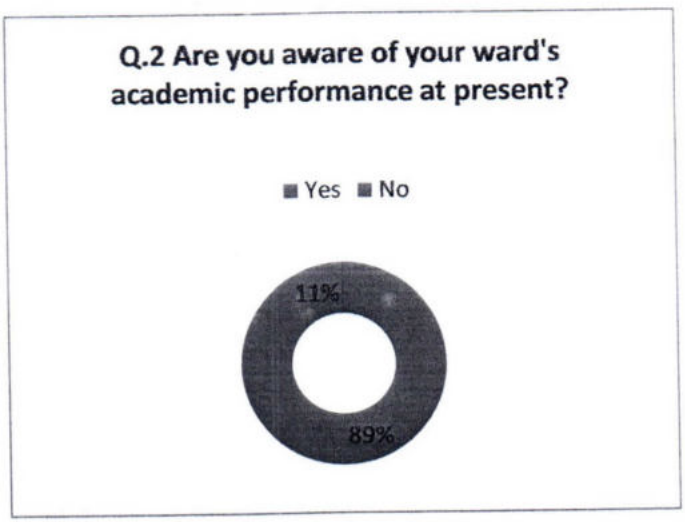
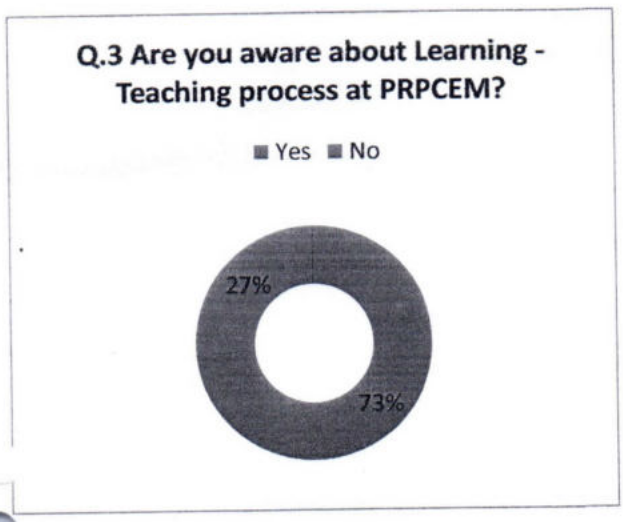
Q.1 Are you aware about your ward's attendance in the college?



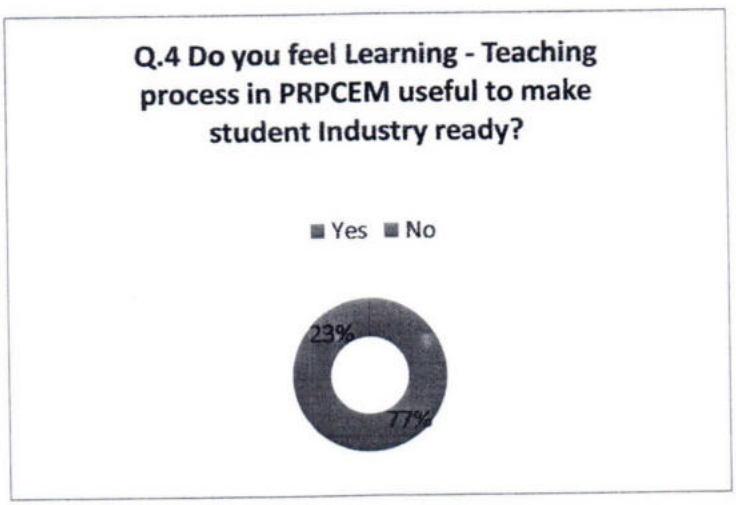
Q.2 Are you aware of your ward's academic performance at present?



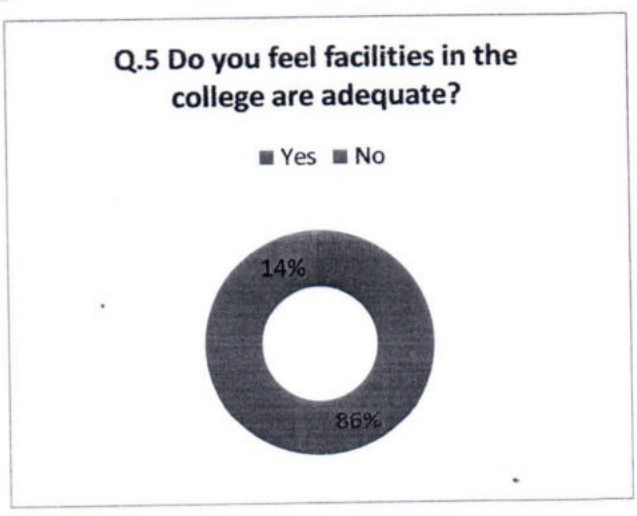
Q.3 Are you aware about Learning - Teaching process at PRPCEM?



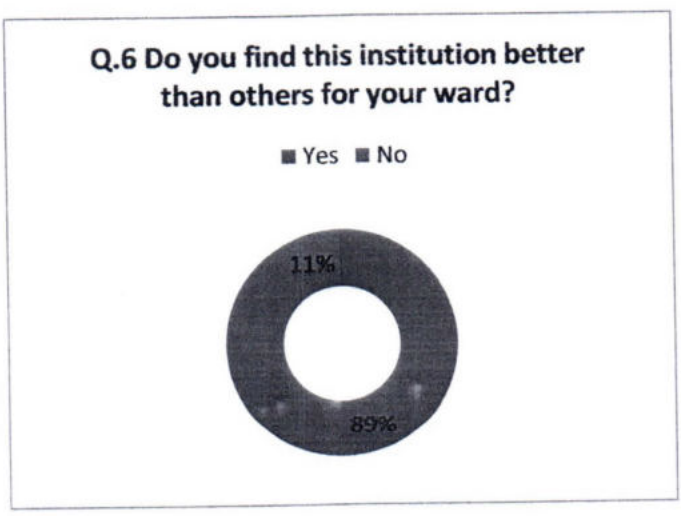
Q.4 Do you feel Learning - Teaching process in PRPCEM useful to make student Industry ready?

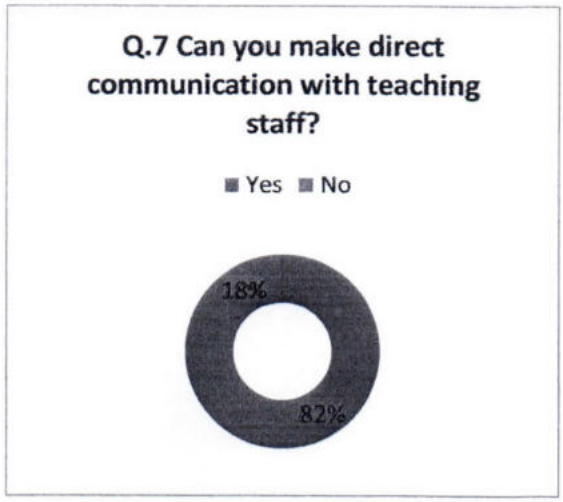


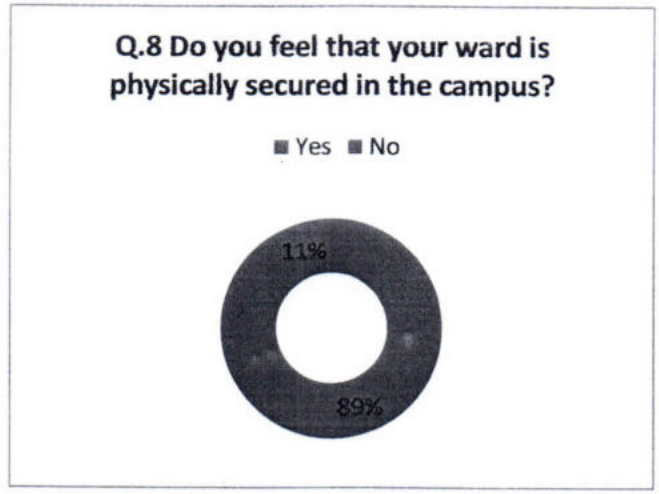
Q.5 Do you feel facilities in the college are adequate?



Q.6 Do you find this institution better than others for your ward?







Prof.P.R.Rane

Parents Meet Coordinator

Prof.D.A.Shahakar
H.O.D. (Elect. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.
HOD (EE)

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P. R. Pote (Patil) College of Engineering & Management, Amravati

Department of Computer Science and Engineering

PARENTS-TEACHERS MEET

PRPCEM/CSE/Notice/2017-18/01
Date: - 12th March 2018

To the parent of .....,

We have scheduled Parents-Teachers Meet on **17th March 2018** in Seminar Hall (Third Floor), CSE Department, P. R. Pote college of Engineering and Management. Following points will be discussed in the meet.

1. Performance of ward
2. Feedback and Suggestions, if any

We are committed to develop students academically as well as to have a concern over societal issues. It is thus essential on your part to attend the meet and discuss towards the overall development of your ward during academic year. We will report your ward's progress this year. Kindly confirm your attendance to the undersigned.

Thanking you.

HOD

Computer Science and Engineering Department

H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P.R. Pote (Patil) College of Engineering & Management, Amravati

Department of Computer Science and Engineering

NOTICE

PRPCEM/CSE/Notice/2017-18/02
Date: - 12th March 2018

All the Students of Computer Science and Engineering Department are hereby informed that **Parents-Teachers Meet** will be held on 17th March 2018. All students are informed to convey about this meeting to their parents for attending the Parents-Teacher Meet.

The meet timings will be 11:00 am – 3:30 pm (Saturday).

Everyone should take note of it.

HOD

Computer Science and Engineering Department

H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati

P. R. Pote (Patil) College of Engineering & Management, Amravati

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Parents Meeting Attendance Sheet

YEAR 2017-2018

Class : Second Year 4th Sem Section A

Date: 17/03/2018

Roll Number	NAME	Parent Name	Signature
201	Ku. Akanksha Dnyaneshwar Jagtap	Mr. Dnyaneshwar Jagtap	
202	Ku. Ankita Anilrao Wankhade	Mr. Anilrao Wankhade	
203	Ku. Anita Ramlal Kumawat	Mr. Ramlal Kumawat	
204	Ku. Ashwini Shrikrushna Khadse	Mr. Shrikrushna Khadse	
205	Ku. Bhagyshri Rameshrao Sorte	Mr. Rameshrao Sorte	
206	Ku. Gauri Shrikantpant Bansod	Mr. Shrikantpant Bansod	
207	Ku. Komal Anil Tawari	Mr. Anil Tawari	
208	Ku. Krishna Jugalkishor Rathi	Mr. Jugalkishor Rathi	Jugal
209	Ku. Maseera Ajaz Khan	Mr. Ajaz Khan	
210	Ku. Mohini Nagorao Mendhe	Mr. Nagorao Mendhe	
211	Ku. Neha Vijay Dubey	Mr. Vijay Dubey	
212	Ku. Nikita Pandhari Admane	Mr. Pandhari Admane	
213	Ku. Nisharani Prabhakar Gundeti	Mr. Prabhakar Gundeti	
214	Ku. Pallavi Wasudeorao Nimbhorkar	Mr. Wasudeorao Nimbhorkar	
215	Ku. Puja Purushottam Nimkale	Mr. Purushottam Nimkale	
216	Ku. Pragati Vijay Durge	Mr. Vijay Durge	
217	Ku. Prajakta Mahendra Taywade	Mr. Mahendra Taywade	
218	Ku. Pratiksha Rameshrao Bramhane	Mr. Rameshrao Bramhane	
219	Ku. Prerana Dinesh Bohra	Mr. Dinesh Bohra	
220	Ku. Rakhi Ashokrao Bhende	Mr. Ashokrao Bhende	
221	Ku. Rashmi Sureshrao Takarkhede	Mr. Sureshrao Takarkhede	
222	Ku. Renuka Manoj Dole	Mr. Manoj Dole	
223	Ku. Samiksha Ashokrao Keche	Mr. Ashokrao Keche	
224	Ku. Sapna Hemant Tasre	Mr. Hemant Tasre	
225	Ku. Sayali Pramodrao Wagh	Mr. Pramodrao Wagh	
226	Ku. Shamal Satish Bherde	Mr. Satish Bherde	
227	Ku. Shefali Arvind Thakare	Mr. Arvind Thakare	
228	Ku. Shivani Diliprao Malkhede	Mr. Diliprao Malkhede	
229	Ku. Shraddha Anilrao Gulhane	Mr. Anilrao Gulhane	
230	Ku. Shraddha Dnyaneshwar Bhatkar	Mr. Dnyaneshwar Bhatkar	
231	Ku. Shreya Shrikant Mugal	Mr. Shrikant Mugal	
232	Ku. Shweta Rajendra Kharode	Mr. Rajendra Kharode	
233	Ku. Simaran Shridhar Kalmegh	Mr. Shridhar Kalmegh	
234	Ku. Sonali Dhanraj Kale	Mr. Dhanraj Kale	
235	Ku. Vaishnavi Rajendra Chaukhande	Mr. Rajendra Chaukhande	
236	Ku. Vaishnavi Ravishekhar Deshmukh	Mr. Ravishekhar Deshmukh	
237	Ku. Vaishnavi Vijaypant Bhonde	Mr. Vijaypant Bhonde	
238	Ku. Vanita Balu Sarkate	Mr. Balu Sarkate	
239	Ku. Vijaya Ravindra Wankhade	Mr. Ravindra Wankhade	
240	Abhijeet Vinodrao Kharode	Mr. Vinodrao Kharode	
241	Aditya Virendra Nagmote	Mr. Virendra Nagmote	
242	Akash Bhauraoji Mandawkar	Mr. Bhauraoji Mandawkar	
243	Akash Gajanan Khedkar	Mr. Gajanan Khedkar	
244	Akash Sharad Thakare	Mr. Sharad Thakare	
245	Aman Rajendra Meshram	Mr. Rajendra Meshram	

246	Ashutosh Dnyaneshwar Zoting	Mr. Dnyaneshwar Zoting	
247	Bhavesh Chintaman Patil	Mr. Chintaman Patil	
248	Devesh Ghanshyam Dhobe	Mr. Ghanshyam Dhobe	
249	Dheeraj Chintaman Patil	Mr. Chintaman Patil	
250	Krishna Daulatrao Itkare	Mr. Daulatrao Itkare	
251	Krushna Anuprao Deshmukh	Mr. Anuprao Deshmukh	
252	Mohammad Mushfique Mohammad	Mr. Mushfique Mohammad	
253	Mohammad Sameer Mohammad Firoz	Mr. Sameer Mohammad	
254	Nehal Nisarali Sayyad	Mr. Nisarali Sayyad	
255	Nikhil Rajkumar Babhale	Mr. Rajkumar Babhale	
256	Nilesh Balakram Urkude	Mr. Balakram Urkude	
257	Pavan Madhavrao Barve	Mr. Madhavrao Barve	
258	Piyush Kishor Zamnani	Mr. Kishor Zamnani	K.M. Zamnani
259	Prathamesh Prabhakar Bhuskade	Mr. Prabhakar Bhuskade	
260	Rohit Kamlakar Hinge	Mr. Kamlakar Hinge	
261	Rushikesh Dinkar Pophale	Mr. Dinkar Pophale	
262	Sameer Hitendra Kolte	Mr. Hitendra Kolte	
263	Sanket Devidas Nirmal	Mr. Devidas Nirmal	
264	Sanket Vinayak Musale	Mr. Vinayak Musale	
265	Satyam Bharat Gupta	Mr. Bharat Gupta	
266	Shantanu Umesh Radke	Mr. Umesh Radke	
267	Shubham Annabhau Bonde	Mr. Annabhau Bonde	
268	Tejas Prakash Kale	Mr. Prakash Kale	
269	Tusharkumar Vijay Makeshwar	Mr. Vijay Makeshwar	
270	Vaibhav Shriram Jadhav	Mr. Shriram Jadhav	
271	Vishal Sunil Sahu	Mr. Sunil Sahu	

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P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote (Patil) College of Engineering & Management, Amravati

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Parents Meeting Attendance Sheet

YEAR 2017-2018

Class : Second Year 4th Sem Section B

Date: 17/03/2018

	NAME	Parent Name	Signature
201	Ku. Anjali Shrikrishna Bhagat	Mr.Shrikrishna Bhagat	
202	Ku. Anuja Sanjay Dahikar	Mr.Sanjay Dahikar	
203	Ku. Anuradha Pandurang Borpe	Mr.Pandurang Borpe	
204	Ku. Asmita Vijay Khadse	Mr.Vijay Khadse	Khadse
205	Ku. Barakha Dileep Sabwani	Mr.Dileep Sabwani	
206	Ku. Eishwarya Ramchandra Bawane	Mr.Ramchandra Bawane	
207	Ku. Gayatri Jagdish Sisat	Mr.Jagdish Sisat	
208	Ku. Jessica Satishrao Ingle	Mr.Satishrao Ingle	
209	Ku. Kajal Devidas Awandkar	Mr.Devidas Awandkar	
210	Ku. Kajal Sharad Nanaware	Mr.Sharad Nanaware	
211	Ku. Kanak Rambhau Kakad	Mr.Rambhau Kakad	
212	Ku. Kirti Ramesh Naidu	Mr.Ramesh Naidu	
213	Ku. Kumkum Sunilkumar Adwani	Mr.Sunilkumar Adwani	
214	Ku. Leena Sureshrao Diwan	Mr.Sureshrao Diwan	
215	Ku. Meena Ramesh Kaple	Mr.Ramesh Kaple	
216	Ku. Minakshi Suresh Deshmukh	Mr.Suresh Deshmukh	
217	Ku. Muskan Manojkumar Agrawal	Mr.Manojkumar Agrawal	
218	Ku. Namrata Santosh Wankhade	Mr.Santosh Wankhade	
219	Ku. Neha Prakashrao Deshmukh	Mr.Prakashrao Deshmukh	
220	Ku. Nikita Vijay Gondchawar	Mr.Vijay Gondchawar	
221	Ku. Pallavi Avinash Ghatole	Mr.Avinash Ghatole	M.A.ghatole.
222	Ku. Payal Atmaram Patil	Mr.Atmaram Patil	
223	Ku. Payal Vijay Bhonge	Mr.Vijay Bhonge	
224	Ku. Pooja Dadarao Lande	Mr.Dadarao Lande	
225	Ku. Pranali Kishor Chavan	Mr.Kishor Chavan	
226	Ku. Pratiksha Sadashiv Mohod	Mr.Sadashiv Mohod	
227	Ku. Priya Namdeo Modak	Mr.Namdeo Modak	
228	Ku. Priyanka Rajendra Dhade	Mr.Rajendra Dhade	
229	Ku. Puja Babanrao Kene	Mr.Babanrao Kene	
230	Ku. Punam Pandit Bhonde	Mr.Pandit Bhonde	
231	Ku. Radha Babasaheb Tayde	Mr.Babasaheb Tayde	
232	Ku. Rohini Subhash Nirmal	Mr.Subhash Nirmal	
233	Ku. Rutuja Mukesh Kalmegh	Mr.Mukesh Kalmegh	
234	Ku. Samiksha Chandrashekhar Wagh	Mr.Chandrashekhar Wagh	
235	Ku. Shivani Babulal Sawarkar	Mr.Babulal Sawarkar	

236	Ku. Shivani Vitthalrao Deshmukh	Mr.Vitthalrao Deshmukh	
237	Ku. Shubhangee Suresh Nikalje	Mr.Suresh Nikalje	
238	Ku. Sneha Sureshrao Athawale	Mr.Sureshrao Athawale	
239	Ku. Sonal Maheshkumar Santani	Mr.Maheshkumar Santani	
240	Ku. Tejaswini Dnyaneshwar Sagane	Mr.Dnyaneshwar Sagane	
241	Ku. Vaishnavi Arun Rajguru	Mr.Arun Rajguru	
242	Ku. Vaishnavi Vijay Girase	Mr.Vijay Girase	
243	Ku. Vaishnavi Vijaypant Jane	Mr.Vijaypant Jane	
244	Abhishek Anilrao Ingale	Mr.Anilrao Ingale	
245	Adesh Ashok Ingale	Mr.Ashok Ingale	
246	Akshay Dattatray Sable	Mr.Dattatray Sable	
247	Aniket Arvind Mirjapure	Mr.Arvind Mirjapure	
248	Anup Vinayak Dahule	Mr.Vinayak Dahule	
249	Gaurav Prakash Gawande	Mr.Prakash Gawande	
250	Harshal Gajananrao Bhave	Mr.Gajananrao Bhave	
251	Hrushikesh Eknath Joshi	Mr.Eknath Joshi	
252	Mohd Shahid Faraz Abdul Salam	Mr.Shahid Faraz	
253	Pawan Parmanand Wankhade	Mr.Parmanand Wankhade	
254	Prabhat Gajanan Zade	Mr.Gajanan Zade	
255	Praful Randhir Telgote	Mr.Randhir Telgote	
256	Pranav Rajeshsingh Baghele	Mr.Rajeshsingh Baghele	
257	Prashant Girish Parmar	Mr.Girish Parmar	
258	Pratik Sanjay Panchpatre	Mr.Sanjay Panchpatre	
259	Roshan Baliran Akhare	Mr.Baliran Akhare	
260	Roshan Shivdas Budh	Mr.Shivdas Budh	
261	Sahil Mukund Deshmukh	Mr.Mukund Deshmukh	
262	Sanchit Nandkishor Umekar	Mr.Nandkishor Umekar	
263	Sandesh Krishnarao Nanoti	Mr.Krishnarao Nanoti	
264	Shaikh Mehatab Sk Fataru	Mr.Mehatab Sk	
265	Sharad Rambhau Bhutkar	Mr.Rambhau Bhutkar	
266	Shivananda Rajendra Deshmukh	Mr.Rajendra Deshmukh	
267	Shreyas Vijay Shinde	Mr.Vijay Shinde	
268	Shubham Diwakar Umare	Mr.Diwakar Umare	
269	Tejas Arunrao Lokhande	Mr.Arunrao Lokhande	
270	Vijay Bhagwan Nimbalkar	Mr.Bhagwan Nimbalkar	
271	Yogesh Pradiprao Wankhade	Mr.Pradiprao Wankhade	
272	Imran Pande	Mr. Javed Pande	

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P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote (Patil) College of Engineering & Management, Amravati

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Parents Meeting Attendance Sheet

YEAR 2017-2018

Class : Third Year 6th Sem Section A

Date: 17/03/2018

	NAME	Parent Name	Signature
301	Ku. Aishwarya Anilpant Korde	Mr. Anilpant Korde	
302	Ku. Ankita Mangesh Thakre	Mr. Mangesh Thakre	
303	Ku. Aparna Umeshrao Dhole	Mr. Umeshrao Dhole	
304	Ku. Bhavana Ashokrao Hage	Mr. Ashokrao Hage	
305	Ku. Gauri S. Mondhe	Mr. S. Mondhe	
306	Ku. Gauri Vijaypant Jane	Mr. Vijaypant Jane	
307	Ku. Jyoti Suresh Khobarkhede	Mr. Suresh Khobarkhede	
308	Ku. Ketki Champatrao Dhage	Mr. Champatrao Dhage	
309	Ku. Manisha Raju Gaikwad	Mr. Raju Gaikwad	
310	Ku. Neha S. Chhangani	Mr. S. Chhangani	
311	Ku. Nikita Rajesh Ghatale	Mr. Rajesh Ghatale	
312	Ku. Pooja Satish Kulwal	Mr. Satish Kulwal	
313	Ku. Prachi Madanrao Wankhade	Mr. Madanrao Wankhade	
314	Ku. Pranita W. Ladole	Mr. Wasurao Ladole	
315	Ku. Pratiksha Pramod Ingole	Mr. Pramod Ingole	
316	Ku. Prerana H. Chitlange	Mr. H. Chitlange	
317	Ku. Priyanka Sanjay Shikare	Mr. Sanjay Shikare	
318	Ku. Rachana Ravindra Kapse	Mr. Ravindra Kapse	
319	Ku. Raksha Vijay Yesankar	Mr. Vijay Yesankar	
320	Ku. Rupeksha Giridhar Hulke	Mr. Giridhar Hulke	
321	Ku. Rutuja Ramdas Nimkar	Mr. Ramdas Nimkar	
322	Ku. Sakshi Shyamkumar Parwani	Mr. Shyamkumar Parwani	
323	Ku. Shubhangi Milind Tiple	Mr. Milind Tiple	
324	Ku. Smita Sanjayrao Yawale	Mr. Sanjayrao Yawale	
325	Ku. Sneha Dilip Gotefode	Mr. Dilip Gotefode	
326	Ku. Suchita Dilip Bharati	Mr. Dilip Bharati	
327	Ku. Sukruti Sunil Dhagekar	Mr. Sunil Dhagekar	
328	Ku. Tejaswini Kailash Balpande	Mr. Kailash Balpande	
329	Ku. Tejaswini Omprakash Deshmukh	Mr. Omprakash Deshmukh	
330	Ku. Vaishnavi Bhujang Kakad	Mr. Bhujang Kakad	
331	Ku. Vibhuti Arvind Pathare	Mr. Arvind Pathare	
332	Abhijit Anil Ande	Mr.Anil Ande	
333	Abhiraj Vijay Thawali	Mr.Vijay Thawali	
334	Akhilesh Ravindra Deshmukh	Mr.Ravindra Deshmukh	

335	Akshay Dipak Chaudhari	Mr.Dipak Chaudhari	
336	Akshay Pundlik Shrinath	Mr.Pundlik Shrinath	
337	Ankit Sahadeorao Gawande	Mr.Sahadeorao Gawande	
338	Anupkumar Ramkewal Yadav	Mr.Ramkewal Yadav	
339	Anurag Nandkumar Bhakare	Mr.Nandkumar Bhakare	
340	Archit Rajendra Bhuyar	Mr.Rajendra Bhuyar	R. Bhuyar.
341	Ashish Bardia	Mr.Vijay Bardia	
342	Bhushan Gajanan Borkar	Mr.Gajanan Borkar	
343	Gopal Gajanan Gote	Mr.Gajanan Gote	
344	Hrushikesh Vinayak Gosavi	Mr.Vinayak Gosavi	
345	Krunal Kishorrao Dhaskat	Mr.Kishorrao Dhaskat	
346	Mahesh Sanjay Deoghare	Mr.Sanjay Deoghare	
347	Mrunal Devidas Dhanvij	Mr.Devidas Dhanvij	
348	Nicky Rajkumar Molke	Mr.Rajkumar Molke	
349	Nishant Kale	Mr.Rajesh Kale	
350	Pankaj Pote	Mr.Anil Pote	
351	Parag Gajanan Satav	Mr.Gajanan Satav	
352	Pranay Rahul Katkar	Mr.Rahul Katkar	
353	Pratik Kanfade	Mr.Kanfade	
354	Roshan Arvind Dube	Mr.Arvind Dube	
355	Rounak Shyamkumar Agrawal	Mr.Shyamkumar Agrawal	
356	Sahil Ashokrao Radke	Mr.Ashokrao Radke	
357	Sankalp Ganeshrao Kolhe	Mr.Ganeshrao Kolhe	
358	Sarang Shaligram Khadatkar	Mr.Shaligram Khadatkar	
359	Saurabh Rajesh Amle	Mr.Rajesh Amle	
360	Saurabh Suresh Rewade	Mr.Suresh Rewade	
361	Shreyash Keshavrao Khapre	Mr.Keshavrao Khapre	
362	Shyam Dnyandeorao Gawande	Mr.Dnyandeorao Gawande	
363	Soham Raju Parmar	Mr.Raju Parmar	
364	Sushrut Bhalchandra Wadnerkar	Mr.Bhalchandra Wadnerkar	
365	Vikas Shailesh Raibole	Mr.Shailesh Raibole	

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H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote (Patil) College of Engineering & Management, Amravati

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Parents Meeting Attendance Sheet

YEAR 2017-2018

Class: Third Year 6th Sem Section B

Date: 17/03/2018

	NAME	Parent Name	Signature
301	Ku. Aditi Pravin Deshmukh	Mr. Pravin Deshmukh	
302	Ku. Akshada Sanjay Metkar	Mr. Sanjay Metkar	
303	Ku. Ankita Siddharth Ramteke	Mr. Siddharth Ramteke	
304	Ku. Ankita Sureshrao Meshram	Mr. Sureshrao Meshram	
305	Ku. Anuja Bihari Vishwakarma	Mr. Bihari Vishwakarma	
306	Ku. Anushri Awdhut Shirbhate	Mr. Awdhut Shirbhate	A.R. Shirbhate.
307	Ku. Avanti Deepak Deshmukh	Mr. Deepak Deshmukh	
308	Ku. Dhanshree Vijay Shete	Mr. Vijay Shete	
309	Ku. Diksha Vijay Gayakwad	Mr. Vijay Gayakwad	
310	Ku. Divyani Santosh Bhirad	Mr. Santosh Bhirad	
311	Ku. Kalyani Chandrashekhar Mirge	Mr. Chandrashekhar Mirge	
312	Ku. Kalyani Pandit Bagade	Mr. Pandit Bagade	
313	Ku. Kalyani Sureshpant Boharupi	Mr. Sureshpant Boharupi	
314	Ku. Kanchan Sudhakarrao Gomase	Mr. Sudhakarrao Gomase	
315	Ku. Kiran Vilas Dakare	Mr. Vilas Dakare	
316	Ku. Manisha Gajanan Ghuge	Mr. Gajanan Ghuge	
317	Ku. Mayuri Sureshrao Dahake	Mr. Sureshrao Dahake	
318	Ku. Mohini Ravindra Bhogal	Mr. Ravindra Bhogal	
319	Ku. Monika Anantrao Jaware	Mr. Anantrao Jaware	
320	Ku. Neha Kishor Marganwar	Mr. Kishor Marganwar	
321	Ku. Nikita Shrikrishna Nahe	Mr. Shrikrishna Nahe	
322	Ku. Nivedita Surendrarao Gawande	Mr. Surendrarao Gawande	
323	Ku. Pallavi Ganeshrao Patinge	Mr. Ganeshrao Patinge	
324	Ku. Pallavi Jayprakash Deshmukh	Mr. Jayprakash Deshmukh	
325	Ku. Pallavi Yashwant Zade	Mr. Yashwant Zade	
326	Ku. Payal Shivraj Chaudhari	Mr. Shivraj Chaudhari	
327	Ku. Pratidnya Ramesh Junghare	Mr. Ramesh Junghare	
328	Ku. Pratiksha Nutan Sonone	Mr. Nutan Sonone	
329	Ku. Pratiksha Sheshrao Wanjari	Mr. Sheshrao Wanjari	
330	Ku. Prerna Kavishwar Ingole	Mr. Kavishwar Ingole	
331	Ku. Priyanka Ramdas Dobe	Mr. Ramdas Dobe	
332	Ku. Priyanka Sanjay Lodh	Mr. Sanjay Lodh	

333	Ku. Radhika Uday Deshpande	Mr. Uday Deshpande	
334	Ku. Rahi Suresh Dabhane	Mr. Suresh Dabhane	
335	Ku. Ritu Dipakrao Gadwale	Mr. Dipakrao Gadwale	
336	Ku. Sakshi Mahesh Bonte	Mr. Mahesh Bonte	
337	Ku. Sarika Ujwal Shende	Mr. Ujwal Shende	
338	Ku. Shalaka Vishvanath Gawande	Mr. Vishvanath Gawande	
339	Ku. Shamali Sharadrao Paradakhe	Mr. Sharadrao Paradakhe	S. Paradakhe.
340	Ku. Shraddha Dhananjay Deshmukh	Mr. Dhananjay Deshmukh	
341	Ku. Shruti Shridhar Dhenge	Mr. Shridhar Dhenge	
342	Ku. Tejaswi Manoj Pote	Mr. Manoj Pote	
343	Ku. Unnati Bandu Dabhade	Mr. Bandu Dabhade	
344	Ku. Vaishali Nilkanth Dhengale	Mr. Nilkanth Dhengale	
345	Ku. Vaishnavi Vijay Wankhade	Mr. Vijay Wankhade	
346	Aditya Mukund Diwate	Mr. Mukund Diwate	
347	Ajinkya Vijay Mahajan	Mr. Vijay Mahajan	
348	Akashdip Milind Wankhade	Mr. Milind Wankhade	
349	Amit Kailashrao Gajare	Mr. Kailashrao Gajare	
350	Arjun Kale	Mr. Kale	
351	Jatin Sunil Bhasin	Mr. Sunil Bhasin	
352	Jayesh Yadavrao Mehare	Mr. Yadavrao Mehare	
353	Ketan Maheshkumar Puraswani	Mr. Maheshkumar Puraswani	
354	Lalit Dinesh Diwate	Mr. Dinesh Diwate	
355	Mahesh Khushal Manvatkar	Mr. Khushal Manvatkar	
356	Manoj Kisan Thombare	Mr. Kisan Thombare	
357	Mohammad Zubair Mohammad Yusuf	Mr. Zubair Mohammad	Yusuf.
358	Nikhil Mahesh Dongare	Mr. Mahesh Dongare	
359	Prafulla Ananta Jadhav	Mr. Ananta Jadhav	
360	Pratik Mukundrao Gajbhiye	Mr. Mukundrao Gajbhiye	
361	Pratik Rajesh Khandpasole	Mr. Rajesh Khandpasole	
362	Pravin Madhav Chavan	Mr. Madhav Chavan	
363	Ratnadip Sanjayrao Mondhe	Mr. Sanjayrao Mondhe	
364	Rohit Sanjay Kale	Mr. Sanjay Kale	
365	Sanket Kailash Gawande	Mr. Kailash Gawande	
366	Sanket Rajkumar Tale	Mr. Rajkumar Tale	
367	Shoyeb Galib Mohammad	Mr. Galib Mohammad	
368	Shubham Gajanan Sabale	Mr. Gajanan Sabale	
369	Suraj Suresh Kurhade	Mr. Suresh Kurhade	
370	Swapnil Kailash Pawar	Mr. Kailash Pawar	

HOD

H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

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P. R. Pote College of Engineering and Management, Amravati

Department of Computer Science & Engineering

A Report on

"Parents Teacher Meeting 2017- 2018"

Online PTM-Even semester 2019 at a Glance:

Date: 17/03/2018, Time: 11:00 AM onwards.
Venue: Seminar Hall (Third Floor)
Total number of parents who attended meeting: 25

Objective of the event:

The Parent Teacher Meeting for B.E. Semester 4th,6th and 8th was organized on 17/03/2018 to discuss progress and performance of the Student and Vision, Mission, PO's and PEO's of the department. The goal was to build a healthy relationship with the students and parents. The parents were intimated about the meeting well in advance through network administrator, class teacher and counselor by notice and SMS.

The parents started reporting from 11 AM onwards in Seminar Hall (Third Floor) .
During 11.00 am to 11.15 am, HOD Prof. V. B. Gadicha introduced Vision and Mission of the institute and the departments focus on quality education, library facilities and general criteria of the institute. They also highlighted the best practices like online classes, webinar which are conducted for the student in this year followed by the institute for effective teaching learning process and how it help students in placement and for higher studies.

During 11.20 pm to 11.45 pm, parents were guided by Principal Dr. S. D. Wakade madam. Then the discussion was open for parent and student for their difficulties and suggestions. The suggestions from the parents about their wards' interests and learning were noted. After that, Parents give their suggestions and feedback.

We received following Suggestions from the parents.

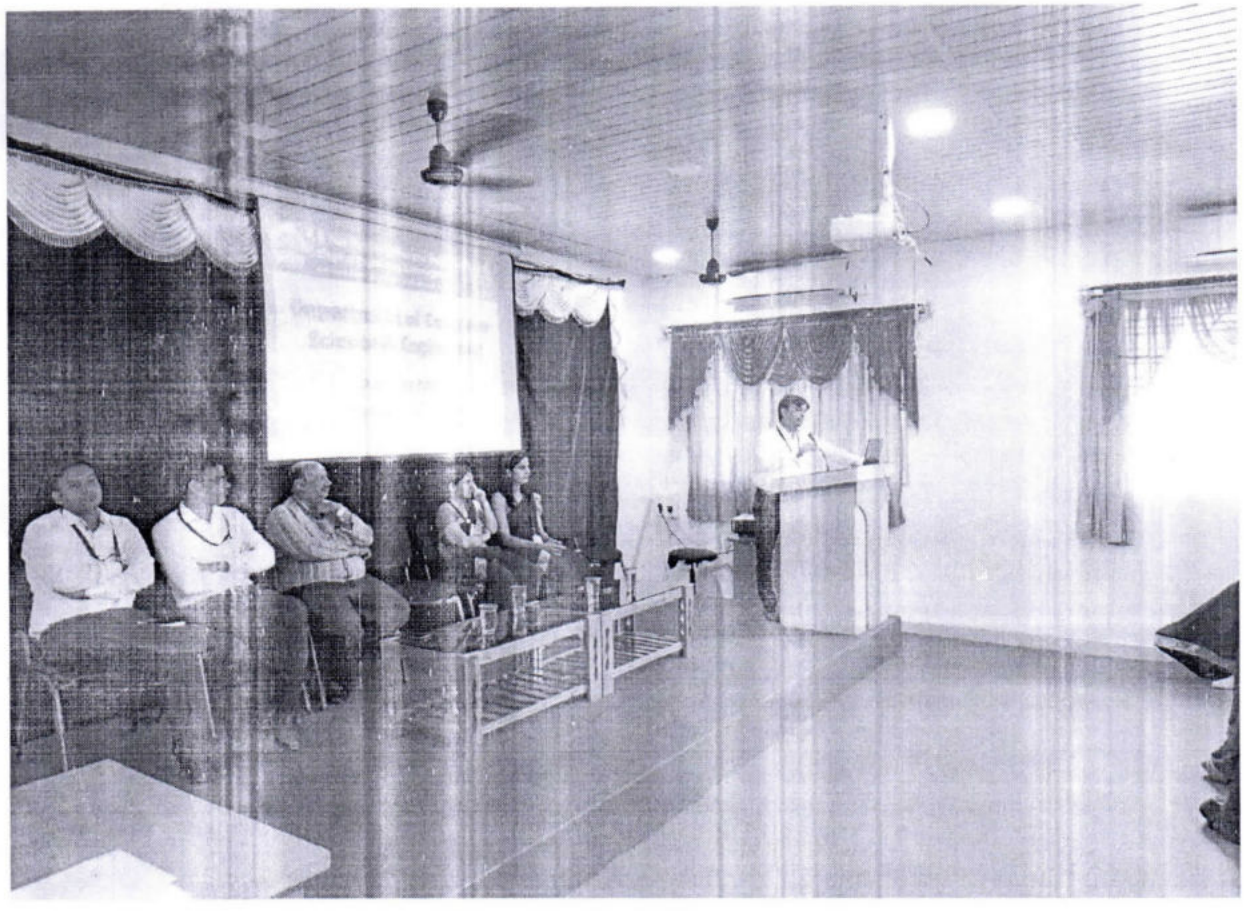
- Personal development programme
- Staff and Students Relation Friendly.
- Use teaching and learning ads.
- Practical Training in industry

- To arrange more campus
- Aptitude test. special programme for competitive exam

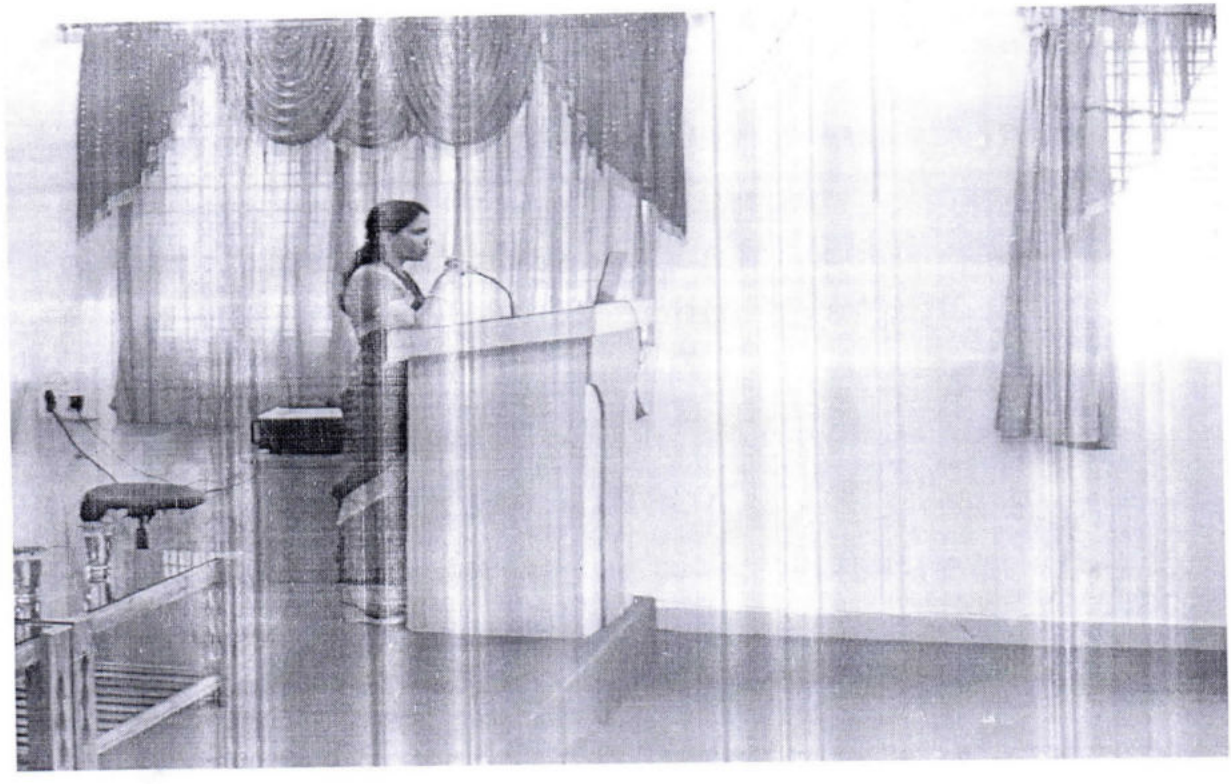
Around 25 parents participated in the PTM 2018-2019. Parents became aware about the rules and regulations of the institute, teaching learning methodologies and various activities going on for overall student welfare. There was one to one session between parents and student principal, director, management for analyzing students' performance and steps necessary for the improvement of their wards' skills. Parents expressed their gratitude and enthusiasm for this interactive session with the faculties so that they can know better about their wards performance at the institute.

The PTM came to an end with the conclusion that the progress and development of the students depend on the joint efforts of parents and teachers. For this purpose, parents agreed to keep a close vigilance on the actions of their child, and to keep in constant touch with the mentors.

The Parents Teacher Meeting 2018-2019 was over with the vote of thanks by Prof. K B. Bijwe.







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P.R. Pote (Patil) College of Engineering & Management, Amravati

Department of Computer Science and Engineering

PARENT - TEACHER MEETING REPORT

Parent Teacher Meeting was conducted on 17th March, 2018. Twenty Five parents were reported for the meet, out of which twenty parents have given the feedback.

We received following Suggestions from the parents.

- Personal development programme
- Staff and Students Relation Friendly.
- Use teaching and learning ads.
- Practical Training in industry
- To arrange more campus
- Aptitude test, special programme for competitive exam

Parents Attendance class wise

Class	Parents on Roll
Second Year	14
Third Year	11
Total	25

HOD

Computer Science & Engineering Department

H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

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पी. आर. पोटे पाटील एज्यु. ॲन्ड वेलफेअर ट्रस्ट, कॉलेज ऑफ इंजिनिअरींग ॲन्ड मॅनेजमेंट, अमरावती

बी. ई. (कंम्पुटर सायन्स ॲन्ड इंजिनिअरींग)

२०१७-१८

पालक सभा

दि १७-३-१८

पालकांचा अभिप्राय

- पालकाचे नांव:- संजय पुरुषोत्तम रवडसे
- विद्यार्थ्याचे नांव :कु अस्मिता विजय रवडसे (4th sem.)
- विद्यार्थ्याशी नाते:- मोठे वडील
- कायमचा पत्ता :- १०, आय. टी. आय. कॉलनी, कांतानगर कॅम्प, अमरावती
- पालकाचा संपर्क क्र. 9421822123 विद्यार्थ्याचा संपर्क क्र. 7841980747
- महाविद्यालयाच्या शिक्षण प्रक्रिये विषयी आपले मत:-

  समाधानकारक

- महाविद्यालयाच्या शिक्षण प्रक्रिया सुधारणे संबंधी आपला अभिप्राय :-

  बससेची व्यवस्था (पुरेशी) अद्याप पर्यंत केलेली नाही. त्या मुळे येण्या-जाण्याचे मुले चकुन जातात.

सही

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पी. आर. पोटे पाटील एज्यु. ॲन्ड वेलफेअर ट्रस्ट, कॉलेज ऑफ इंजिनिअरींग ॲन्ड मॅनेजमेंट, अमरावती

बी. ई. (कंम्पुटर सायन्स ॲन्ड इंजिनिअरींग)

२०१७-१८

पालक सभा

दि 17/7/18

पालकांचा अभिप्राय

- पालकाचे नांव:- अनुपराव इंगोराव देशमुख
- विद्यार्थ्याचे नांव :- इंगा अनुपराव देशमुख
- विद्यार्थ्याशी नाते:- वडील
- कायमचा पत्ता :- इंजिनिअरिंग सोसायटी रामदेवबाबा मंदिर धामणगांव रेल्वे.
- पालकाचा संपर्क क्र. 7758080857 विद्यार्थ्याचा संपर्क क्र. 8482924926
- महाविद्यालयाच्या शिक्षण प्रक्रिये विषयी आपले मत:-

  आपल्या महाविद्यालयाचे शिक्षण चांगले आहे. शिक्षक पण पण चांगले आहे.

- महाविद्यालयाच्या शिक्षण प्रक्रिया सुधारणे संबंधी आपला अभिप्राय :-

  शिक्षकांनी विद्यार्थी यांचा मुल्यमन समजुन घ्यायला पाहिजे. बाकी शिक्षण चांगले आहे.

सही

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

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Session 2017-18

6.5.3 Development Program for Support Staff

Sr. No.	Particulars	Page No.
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2.	List of Faculty	439
3.	Certificates	440-441

6.5 Internal Quality Assurance System

6.5.3 Development programmes for support staff

Sr. No.	Theme of FDP	Date and Year	No. of Participants (Non-Teaching Staff)
1	One day training program on Linux installation	9th Dec 2017	9

Report

ON

"Workshop on Linux Installation"



Organized By

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

P.R.POTE COLLEGE OF ENGINEERING AND MANAGEMENT

KATHORA ROAD, AMRAVATI

CO-ORDINATOR:

Prof. S. S. Sagane

ORGANIZING COMMITTEE:

Prof. A. R. Ladole

Prof. A. K. Jamnekar

VENUE:

SS LAB
Department of CSE
PRPCEM, Amravati

Workshop Resource Person

Prof. P. D. Soni

Topics Covered :

- Introduction of Linux (Ubantu).
- Need of Linux.
- Types of Linux.
- Installation Process.
- Installing Software

A one day workshop on **"Linux Installation"** was held at the Department of Computer Science & Engineering of **P.R.POTE COLLEGE OF ENGINEERING AND MANAGEMENT**, on 9/12/2017. The Workshop provides opportunities to Non-teaching faculties to learn linux operating system. The workshop also intends to develop the knowledge of participants on various types of OS and software also. The workshop was attended by 09 participants from Department of CSE.



OUTCOME:

The sessions were very much informative. Participants were enlightened with the most widely used advance technologies in this domain.

REPORT PREPARED BY

Prof. S. S. Sagane
Workshop Coordinator

P. R. Pote (Patil) Educational and Welfare Trust's, Group of Institutions,

College of Engineering and Management, Amravati

Linux Installation Workshop

List of Participants Registered dated on 09/12/2017

Sr. No.	Name of Partcipant	Dept.	Contact No.
1	Mr. Nilesh M. Talokar	CSE	9096310981
2	Mr. Ritesh R. Amzare	CSE	9823856240
3	Mr. Aniket M. Bijwe	CSE	9527977809
4	Mr. Harish Palsokar	CSE	90211315623
5	Mr. Vikas Gogate	CSE	9372220580
6	Mr. Pankaj Samudre	CSE	9860239627
7	Mr. Suyesh Deshmukh	CSE	8830354327
8	Mr. Amol Reche	CSE	8484804904
9	Mr. Sachin Shah	CSE	9403811927

HOD

H.O.D. (Comp. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote Patil

College of Engineering & Management, Amravati

Department of Computer Science & Engineering

CERTIFICATE

This is to certify that

Linux

Mr. Aniket M. Bijwe

has participated in the One Day Workshop on

Linux Installation

organised by P. R. Pote Patil College of Engineering and Management
Department of Computer Science & Engineering.

Date: 09/12/2017

Prof. S. S. Sagane	Prof. P. D. Soni	Prof. V. B. Gadicha	Dr. S. D. Wakde
Coordinator	Organizer	HOD, CSE	Principal

P. R. Pote Patil

College of Engineering & Management, Amravati

Department of Computer Science & Engineering

NAAC A

CERTIFICATE

This is to certify that

Linux

Mr. Ritesh R. Amzare

has participated in the One Day Workshop on

Linux Installation

organised by P. R. Pote Patil College of Engineering and Management
Department of Computer Science & Engineering.

Date: 09/12/2017

Prof. S. S. Sagane	Prof. P. D. Soni	Prof. V. B. Gadicha	Dr. S. D. Wakde
Coordinator	Organizer	HOD, CSE	Principal

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Remark

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

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6.5.5

Sr. No.	Particulars	Page No.
1.	AQAR cover page	442
2.	Submission of Data for AISHE portal	443

6.5 Internal Quality Assurance System

6.5.5

a. Submission of Data for AISHE portal : **(Yes)**

b. Participation in NIRF : **(No)**

c.ISO Certification :**(Yes)**

d.NBA or any other quality audit :**(Yes)**

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सत्यमेव जयते

Government of India
Ministry of Human Resource Development
Department of Higher Education
Statistics Division
New Delhi

Certificate

Reference No.C-43031-2017

This is to certify that Sadhana Dinkar Wakde of P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions's College of Engineering & Management, Amravati. has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2017-2018.

(B N Tiwari)
Deputy Director General

Dated: 03/03/2018

P. R. Pote(Patil) Education & Welfare Trust's Group of Institutions College of Engineering & Management, Amravati

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6.5.6 Number of Quality Initiatives under taken during the year

Sr. No.	Particulars	Page No.
1.	AQAR cover page	444
2.	External Academic Audit	445-457
3.	Internal Academic Audit	458-461

6.5 Internal Quality Assurance System

6.5.6 Number of Quality Initiatives under taken during the year				
Year	**Name of quality initiative by IQAC**	**Date of conducting activity**	**Duration(from----to--**	**Number of participants**
2018	Internal Academic Audit	19, 20, 21, 23, 24th June, 2018	19-24th June, 2018	HOD and All Faculty
2018	External Academic Audit	19, 21, 23, 24th June, 2018	19-24th June, 2018	HOD and All Faculty

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P. R. Pote (Patil) Edu. & Welf. Trust,

College of Engineering & Management, Amravati

Internal Quality Assurance Cell (IQAC)

No. PRPCEM/IQAC/Notice/...17.../2018 Date: 19/04/2018

NOTICE

The academic monitoring of the department is to be done as per the schedule given below. All the HODs are hereby informed to prepare and make ready Academic documentation as per available formats. They are also requested to present documentation before Audit committee for verification.

Schedule for Academic Monitoring -Documentation

Date	Name of Department	Auditors
26/04/18	First Year	Dr. S. B. Warkad (C) ; **Prof. Vaishali Bhagat** (M); Prof. P. N. Pusdekar (M); Dr. P. S. Ardak (M)
	Mechanical Engg.	Prof. D. A. Shahakar, HOD, Elect. Engg. (C) ; Dr. Nilima Kalambe (M); **Prof. A. Kapse** (M); Prof. S. P. Bhonge (M)
27/04/18	Electrical Engg.	Prof. Mohd. Zuhair, HOD, Civil Engg, (C) ; Prof. A. D. Bhoyar (M); Prof. P. Soni. (M); Dr. S. A. Khapare (M)
	Computer Sci. & Engg	Prof. R. D. Ghongade, HOD, EXTC Engg. (C) ; Prof. Yogita Khair (M); Prof. Ajay W. Mahore (M); Prof. Sachin Saraf (M)
	MBA	Dr. Chitra Dhawale (C)
28/04/18	Civil Engg.	Dr. S. G. Fale, HOD, Mech. Engg. (C) ; Prof. A. A. Ghute (M); Prof. G. D. Nagoshe (M); Prof. S. K. Nanda (M)
	Electronics & Telecom. Engg	Prof. V. B. Gadicha, HOD, CSE. (C) ; Prof. **N. R. Thakre** (M); Dr. C. A. Dhawale (M); Prof. A.K. Chikeshwar (M)
	MCA	Prof. S. R. Shah (C)

(Dr. S. B. Warkad)
Coordinator, IQAC Cell

(Prof. Mohd. Zuhair)
Vice-Principal

Co-ordinator, IQAC
P.R. Pote (Patil) C O E & M
Amravati

Copy to:

1) HOD, Electrical _____ 2) HOD, EXTC _____

3) HOD, Mechanical _____ 4) HOD, CSE _____

5) HOD, Civil Engg. _____ 6) HOD, First Year _____

7) HOD, MBA Deptt _____ 8) HOD, MCA Deptt _____

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P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engg. & Management, Amravati

Internal Quality Assurance Cell (IQAC)

Academic Monitoring Report Analysis

(2017-18)

SN	Name of Department	Date of Audit	Name of Internal Auditor
1	B.E. First Year Department	26/04/2018	Dr. S. B. Warkad (C) ; Prof. Vaishali Bhagat (M); Prof. P. N. Pusdekar (M); Dr. P. S. Ardak (M)
2	Mechanical Engineering	26/04/2018	Prof. D. A. Shahakar, HOD, Elect. Engg. (C) ; Dr. Nilima Kalambe (M); Prof. A. Kapse (M); Prof. S. P. Bhonge (M)
3	Electrical Engineering	28/04/2018	Prof. Mohd. Zuhair, HOD, Civil Engg, (C) ; Prof. A. D. Bhoyar (M); Prof. P. Soni. (M); Dr. S. A. Khapare (M)
4	Computer Science & Engineering	25/04/2018	Prof. R. D. Ghongade, HOD, EXTC Engg. (C) ; Prof. Yogita Khair (M); Prof. Ajay W. Mahore (M); Prof. Sachin Saraf (M)
5	Civil Engineering	27/04/2018	Dr. S. G. Fale, HOD, Mech. Engg. (C) ; Prof. A. A. Ghute (M); Prof. G. D. Nagoshe (M); Prof. S. K. Nanda (M)
6	Electronics & Telecomm. Engineering	28/04/2017	Prof. V. B. Gadicha, HOD, CSE. (C) ; Prof. N. R. Thakre (M); Dr. C. A. Dhawale (M); Prof. A.K. Chikeshwar (M)
7	M.B.A.	27/04/2018	Dr. Chitra Dhawale (C)
8	M.C.A.	03/05/2018	Prof. S. R. Shah (C)

Departmental Analysis (Shortcoming)

Name of Department		First Year Engineering				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
10	Course file & Personal file	Soft/Hard	√	√	√	Incomplete Course File- Prof. MCG; Variations in Actual & Planned Lecture Data
11	Teaching Plan	Soft	√	√	√	
20	Parents meet, letters to parents, Counseling record	Soft/Hard	√	√	√	Counseling Record to complete
21	Lab Manual	Soft/Hard	√	√	√	Need to Improve-Add at least one new experiment in each lab

Name of Department		Mechanical Engineering				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
1	Vision, Mission, POs, PEOs	Hard/Soft	√	√	√	Stakeholders Feedback, meeting
7	Project / Seminar	Hard/Soft	√	√	√	Record to be updated
8	Faculty details (List of teaching and non-teaching faculty and their profile, Appointment letters, joining report, resignation letter, Leave record, etc)	Soft	√	√	√	Approved Letter of Dr. S. G Fale
9	Inward file/Outword File/Notices	Hard	√	√	√	Missing
10	Course file & Personal file	Soft/Hard	√	√	√	Data need to arrange in given format
11	Teaching Plan	Soft	√	√	√	
12	Student Attendance Record	Soft	√	√	√	Pending-W-17; S-18
13	Sessional Exam Record	Soft	√	√	√	Pending-S-18
14	Syllabus coverage report	Soft/Hard	√	√	√	Pending-S-18
15	Result Analysis (University Exam, Sessional Exam)	Soft	√	√	√	Pending-W-17
16	Internal Marks Assessment	Soft	√	√	√	Pending-W-17
18	Industry Institute Interaction (Industrial tour, MOU signed)	Soft/Hard	√	√	√	MOU is not available
20	Parents meet, letters to parents, Counseling record	Soft/Hard	√	√	√	Pending-W-17 & S-18 data
21	Lab Manual	Hard	√	√	√	Need to improve
23	Training & Placement Record	Soft/Hard	√	√	√	GD, Technical Session Records should be available

Name of Department		Electrical Engineering				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
1	Vision, Mission, POs, PEOs	Hard/Soft	√	√	√	Stakeholder Feedback, POs to be updated
4	Teaching load or work load	Soft	√	√	√	List of Faculty as per Time Table
7	Project / Seminar	Hard/Soft	√	√	√	Pending-Evaluation for Session 2017-18
8	Faculty details (List of teaching and non-teaching faculty and their profile, Appointment letters, joining report, resignation letter, Leave record, etc)	Soft	√	√	√	Signature of HOD, Joining dates of Faculty to be updated Separate list of UG & PG Faculty
11	Teaching Plan	Soft	√	√	√	Variations in Actual & Planned Data; Engaged
13	Sessional Exam Record	Soft	√	√	√	Signature of HOD & Inv. On documents
16	Internal Marks Assessment	Soft	√	√	√	Signatures of concerned subject faculty is missing
19	Student feedback Analysis	Soft	√	√	√	Feedback analysis is missing, Signatures of HOD & faculty
20	Parents meet, letters to parents, Counseling record	Soft/Hard	√	√	√	Signatures of HOD & faculty

Name of Department		Computer Science & Engineering				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
7	Project / Seminar	Hard/Soft	√	√	√	Pending-Session 2017-18
8	Faculty details (List of teaching and non-teaching faculty and their profile, Appointment letters, joining report, resignation letter, Leave record, etc)	Soft	√	√	√	Pending – Session 2015-16 & Session 2016-17
10	Course file & Personal file	Soft/Hard	√	√	√	Arrangement of documents in same file is needed
11	Teaching Plan	Soft	√	√	√	
20	Parents meet, letters to parents, Counseling record	Soft/Hard	√	√	√	Missing-Minutes of meetings

Name of Department		Electronics & Telecommunication Engineering				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
1	Vision, Mission, POs, PEOs	Hard/Soft	√	√	√	Stakeholder Feedback- Invitation letters to Industry is missing
10	Course file & Personal file	Soft/Hard	√	√	√	Documents required for Course file
11	Teaching Plan	Soft	√	√	√	
14	Syllabus coverage report	Soft/Hard	√	√	√	Monthly cumulative report is required
15	Result Analysis (University Exam, Sessional Exam)	Soft	√	√	√	Remedial actions is not found; HOD signature is needed
17	Details of R & D consultancy, projects, etc.	Soft/Hard	√	√	√	
18	Industry Institute Interaction (Industrial tour, MOU signed)	Soft/Hard	√	√	√	MOU document for S-17-18 is required; company acknowledge letters are missing

Name of Department		Civil Engineering				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
9	Inward file/Outword File/Notices	Hard	√	√	√	To be updated on daily basis
10	Course file & Personal file	Soft/Hard	√	√	√	Files need to be Indexed for all files, other documents i.e. teaching plan need to update
11	Teaching Plan	Soft	√	√	√	
23	Training & Placement Record	Soft/Hard	√	√	√	To be indexed

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engg. & Management, Amravati

Internal Quality Assurance Cell (IQAC)

External Academic Report

Date of Academic Audit: 19/07/2018 & 21/07/2018
Academic Audit-Suggestions-Central Level

Library:

- Record of Titles added per year
- Record of usability of Reference & Text Books by students and faculty
- Fast accessibility of library data by students
- Indexing-classified to be displayed properly
- Books on career guidance
- Past record of usability/index to be maintained
- List of Journals-Indexed and non-Indexed to be available
- Easy access of Journals to faculty
- Yearwise Book purchase-Department wise
- Science Indexed and Scopus indexed journals to be maintained in the library (at least 2-3)
- Newspaper Stand in Library
- Visitors records to be maintained along with ID proof for authentications.
- Library Budget and Allocation
- No. of hits for Journals and online publications – Record to maintain.
- Size of reference section to be enhanced with all seating facility
- OPEC to be given to all faculty and students
- Sample good thesis of PG/UG students to be kept in the library
- Research paper published by faculty to be available in the library
- Latest issues of magazines/Newsletters to be display in shelf with back volumes.

Campus Infrastructure:

- Energy Audit of campus
- Steps visualization by painting
- Ramps for Labs, Toilets and Library
- Exhaust fans for Labs
- Waste paper baskets in campus
- Fire extinguisher in Labs at reachable distance.
- Vehicle parking to be proper

Institution SWOC Analysis

- Redesign weaknesses
- SWOT to be linked properly

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engg. & Management, Amravati

Internal Quality Assurance Cell (IQAC)

External Academic Audit Programme (tentative)

Date of Academic Audit: 19/07/2018 & 21/07/2018

SN	Time	Event	Venue
1	11.30 a. m.	Welcome to H'ble Expert team of Academic Audit	Meeting Hall
2	11.40 a.m.	Presentation by H'ble Principal-About Institution	
3	12.00 noon	Visit to Department	Respective Deptt.
4	12.05 p.m.	Presentation by Head of Department-About Deptt.	
5	12.25 p.m.	Academic Audit by H'ble Expert members	
6	1.45 p.m.	Lunch Break	
7	2.30 p.m.	Academic Audit continue	Deptt.
8	4.00 p.m.	Report writing by Audit members	Meeting Hall
9	4.30 p.m.	Discussion with Management and HODs-Sharing of observations and Suggestions	
10	5.15 p.m.	Vote of Thanks	

IQAC Coordinator

Co-ordinator, IQAC
P.R. Pote (Patil) C O E & M
Amravati

Principal

Chairman, IQAC
P.R. Pote (Patil) C.O.E & M
Amravati

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engg. & Mgmt., Amravati

Internal Quality Assurance Cell (IQAC)

External Academic Audit Report

(2017-18)

Engineering Departments

Sr. No.	Name of File	Department	Status	Suggestions
1	Vision, Mission, POs & PEOs	Electrical Engg.	OK	• Stakeholder meeting should be arranged twice in a year for both department and Institute. • Add feedback from Academician also.
		Mechanical Engg.		• POs, COs, PEOs are to be define and Mapping is to be done in reference to Departmental and Institutional Vision and Mission • Display of Vision, Mission and PEOs in Labs and other prominent locations in the department. • Supporting documentation with process is to be prepared
		CSE Engg.		• PEOs need to focus on strength of department. They need to be more specific. • Faculty need to understand NBA SAR document & Proper documentation accordingly.
		EXTC Engg.		• PEOs and POs are overlapped. No. of PEOs has to be 3 or 4 • They need to visualize what the graduate would be doing after 2-3 years of graduation • Number. of POs to be reduced to 4 or 5. • PEOs should not be look like POs.
		Civil Engg.		• Vision Mission shall be at par with POs and PEOs
2	Academic Calendar & Time Table	Electrical Engg.		• Academic calendar sequence must be like University – Institute – Department – Faculties – Students • Slots for weaker/slow learners, mini-projects in Time Table • Common slot in time table for library hours and recess.
		Mechanical Engg.		• Calendar is there but implementation plan is to be prepared
		CSE Engg.	OK	

		EXTC Engg.		• Ensure & demonstrate, distribute of hard and soft copy of Academic Calendar & TT amongst faculty and students • Include regular programs in Academic Calendar
		Civil Engg.		
3	Teaching load & Work load	Electrical Engg.		• Teaching load for regular faculty –maintain record of 3 years • Total work load of regular faculty to be computed
		Mechanical Engg.		• Teaching Load for Professor, Associate Professor and Asstt. Professor to be maintained
		CSE Engg.	OK	• No comment
		EXTC Engg.		• Very high load difficult to pursue research • Student Teacher Ratio needs to be better than 1:20. This reduces teaching loads and can expect more research output. • Quality and quantity of research is very important for NBA
		Civil Engg.		• Batch wise Tutorials shall be conducted
4	Teaching Plan & Course File	Electrical Engg.		• Prepare course file as per NBA requirement
		Mechanical Engg.		
		CSE Engg.		• Course files OK. • Focus to be there on strengthening basics. • Course assignments need to be given.
		EXTC Engg.		• Need to map COs & POs • Need to understand & adopt OBE in the Teaching-Learning process
		Civil Engg.		• Period wise schedule may be arranged for all subjects
5	Quality of Teaching-Learning Process	Electrical Engg.		**About Academic** • Hierarchy at Institute level and department level should be well defined. • Departmental Structure must be well defined. • Departmental rule book to be prepared. • Academic policy to be prepared. • Academic calendar sequence must be like University – Institute – Department – Faculties – Students • At departmental level, appointment of academic coordinator, R&D coordinator and T&P coordinator to be made. • Internet speed is based on no. of students. **Lectures** • Extra lectures for slow learners must be planned. • Remedial lectures also need to be planned, and maintain the file for the same

				i.e efforts taken by department. • Topics beyond syllabus for each subject are to be delivered in class. • Prepare teaching plan for high / medium / slow learners.
		Mechanical Engg.		• Proper Mechanism and process for T-L to be maintained • Action Taken Report (ATR) to be planned
		CSE Engg.		• Course assignments required. Internal question papers should not be based only on class learning. • Higher level skills should be tested. • Focus need to be given on T-L process & POs attainments • Understand of Bloom's taxonomy is important
		EXTC Engg.		• Subject Tutorials need to improve. • Tutorial batch size may be same as lab batch • Content delivery innovation need to be highlighted • Guest lecture may be as per gap analysis and requirements
		Civil Engg.		• Increase e-resources. • Animations through teaching shall be used in the class.
6	**Quality of Projects**	Electrical Engg.		• Hardware projects to be encouraged • Projects to be properly demonstrated during visits.
		Mechanical Engg.		• -
		CSE Engg.		• Students should be encouraged to build complete systems.
		EXTC Engg.		• In project-technical level and quantum of work is low need to improve. • Substantial improvement in quality of projects is required • Efforts needed to define good projects, Industry defined projects • Projects are important in NBA evaluation
		Civil Engg.		• 3-4 students per project shall be allotted. • Industrial projects to be encouraged.
7	**Faculty Information and contribution (Qualification, SFR, R&D, performance Appraisal)**	Electrical Engg.		**About Faculty** • Regular faculties must be appointed which are working with institute from min. 02 years. • There must be transparency in account section related to faculties' salary. • Faculty allocation First Year: 03 to 04, UG- 09, PG- 04. • Weak faculty be properly advised and motivated for improvement. **Faculty Publications** • Faculty should publish papers in reputed and UGC approved journal only. • Separate file for Index Journals / conferences shall be maintained at department.

				• Faculty can be encourage to attain National, International conferences, STTP, workshop. • Grant received for R&D, more than 04 lakh to be concentrated. • Regular activities to conduct under MOU and check its validity.
		Mechanical Engg.		• Formats to be designed as per criteria of NBA/NAAC • Faculty retention is a matter of concerned.
		CSE Engg.		• Areas and interest of faculties should be mentioned. • They should be encouraged to attend outstation STTP/workshops at reputed institutes (NITs/IITs).
		EXTC Engg.		• More Ph.D. faculty is required to qualify NBA. • Improvement needed in quality and quantity of research papers, patents, externally sponsored research projects etc.
		Civil Engg.		• Papers of faculty and student may be send for publications in SCI/Scopus indexed Journals
8	**Result Analysis (University Exam, Sessional Exam, Internal Marks Assessment)**	Electrical Engg.		**Result Analysis:** • Subject wise and college wise results to be ready. • References to be set for result in every academic year. • Internal Marks must be based on only Unit Test score. • All COs to be included in Test paper.
		Mechanical Engg.		• Record of student passed in one attempt shall be prepared • Success index need to be calculated
		CSE Engg.		• Needs to be done batch wise as per NBA requirements.
		EXTC Engg.		• Authentication of documents is needed signed by teacher/HOD as applicable.
		Civil Engg.		• Students must be motivated for appearing in GATE examination
9	**Industry-Institute Interactions**	Electrical Engg.		• Consultancy to be encouraged in the labs. Several testing facility like power factor improvement, Transformer oil testing etc to be created and promoted. • Prepare documentation properly as per NBA requirement
		Mechanical Engg.		• Need to analyze Impact analysis and prepare documentation. • Some equipment like surface roughweb, profile projects, unconventional machinery which can contribute towards R&D shall be procured.
		CSE Engg.		• MOUs on focused areas need to be there. • Currently, MOUs are like contract documents. • Workshops conducted in the department are good. Proper documentation is needed.
		EXTC Engg.		• Visit reports are to be signed by students

				• MOUs to be done in order to increase IIIC activities in the department
		Civil Engg.		• Experts from Industry shall be invited for Guest Lectures
10	**Quality of Lab Manual, Experiments and Assessment Methodology**	Electrical Engg.		• Lab manual as per NBA format, COs & POs mapping. • List of equipments cost of Rs. 50,000/- and more to be display. • Maintenance policy to prepare and record of the same to be maintained at laboratories. • Every year some new items or equipments need to be purchases for the modernism under departmental budget. • Every year two new experiments must be added in each lab. • Licenses software to be purchase like MATLAB, My POWER, ETAP, PSCAD etc. • Testing / Consultancy facility to be stared for labs. • Some experiments beyond syllabus need to be added. • Experiments title need to be modify. • Add fuse characteristics kit in Switchgear & Protection Lab. • Latest configuration Computers are to be placed in computer lab. • Students made experiment kit to be displayed in labs. • List of experiments to be revised and display (Large flex). • Charts prepared by students to be displayed in Labs. • PWD audit need to be done for civil infrastructure. • Proper ventilation -Exhaust fan and dustbin must be available in each lab. • Energy audit need to be done. • Special lab schedule for absent students to be planned. • Separate PG lab to be provided with licenses software. • Additional Electrical workshop need to prepare.
		Mechanical Engg.		• Continuous Assessment of students in Labs is to be prepared • Labs files shall be timely assessed by the faculty. • Display updated labs display (Standard formats are to be designed) • Proper foundations for heavy machinery are needed. • Lab purchases are to be initiated. • Lab Logbook is needed and records are to be maintained.
		CSE Engg.		• Experiments requiring longer code writing need to be given to students. • Practical real life problems should be revised where ever possible.
		EXTC Engg.		• Assessment of marks to be decomposed and spread in wide range in various heads. • Some of the assignments have to challenging so that only a few students

				get high marks.
		Civil Engg.		• Charts/Experimental details shall be displayed in Labs
11	**Student Training & Placement Performance, Higher Studies and Entrepreneurship**	Electrical Engg.		**Training & Placement** • Placement to be improved • Ask students (Pass out) about questions asked in Interview. • Aptitude test need to take continuously (min.10 Tests per student) • T&P department must have the separate sheet of students' selection in Off campus, In campus and Higher Studies.
		Mechanical Engg.		
		CSE Engg.		• T&P data needs to be mentioned as per number of eligible students. • Average CTC and position and nature of job should be mentioned.
		EXTC Engg.		• Offer letter through e-mail to be authenticated • Student's employee ID Cards may be submitted
		Civil Engg.		• More avenues shall be made available for Industrial training after 2nd/3rd year
12	**Professional Activities**	Electrical Engg.		• Record of Student Forum, Chapters are to be maintained in the department
		Mechanical Engg.		• Record of ASME, SAE student participation is to maintained. • Increase number of Technical Workshops organized in the department • Departmental Magazine, Newsletters are to be initiated in the department
		CSE Engg.		• Students should be encouraged to participate in coding contents like ACM, Hackathon,etc.
		EXTC Engg.		• Student participation in outside institutes to be encouraged • Professional society activities may be continued in several years
		Civil Engg.		• More activities shall take place in technical areas
13	**Student Support Systems (Mentoring system, Feedback Analysis, facility feedback, self-learning, career guidance etc.)**	Electrical Engg.		**Self Learning** • Personality development, Communication improvement, confidence build up program for students should be planned. • Motivational lectures by experts and faculty to be planned. • Improve communication skills and confidence build up amongst students • Effective Mentoring system to be required
		Mechanical Engg.		• Documentation and Record of Self-learning and career guidance are to be prepared. No documentation at present in the department.
		CSE Engg.		• Focus on week students is required. English language skill improvement should be done in first year. • They should be prepared for coding contests.

		EXTC Engg.		• Space for student counseling to be identified and used • Feedback analysis to be done after feedback. Findings of feedback to be used for improvement.
		Civil Engg.		• Student-mentor program to be initiated • Orientation workshops for First year students to be organized
14	**Facilities and Technical Support (Labs, Computational facility, manpower etc.)**	Electrical Engg.		• License software to be purchased. • Lab staffs as per payscale, qualifications to be maintained as per rules. • Budget for Labs to be prepared for 3 years
		Mechanical Engg.		
		CSE Engg.		• Open source software needs to be encouraged. • Facility requiring parallel and distributed computing should be developed.
		EXTC Engg.		• Department Library needs separate/dedicated space.
		Civil Engg.		• Technical supports and facility to be improved
15	**MOUs, Technology Transfer, Funded Projects**	Electrical Engg.		• To be improved/Started • Labs to be enriched • List of MOUs is required. • Conduct various activities under MOUs.
		Mechanical Engg.		• Only IDEC funded projects are available. Need to focus on Research based Funding schemes and projects in the department
		CSE Engg.		• There is one IEDC funded project. Faculty should be encouraged to seek external funding.
		EXTC Engg.		• MOUs need to be done with industries in order to increase Industry Institute interactions & it is to be used for organizing training, workshop, industrial visits and for final year projects
		Civil Engg.		• Efforts shall be made for these activities
16	**Any Other (Please Specify)___**	Electrical Engg.		• HOD Office -Meeting room should be provided. • Social Activity - "Gram Dattak Yojana" should be planned and develop with technology
		Mechanical Engg.		
		CSE Engg.		• Details of experiments conducted using virtual labs need to be provided.
		EXTC Engg.		• POs and Cos understanding needs efforts • Budget and governance documentation is required as per NBA expectations.
		Civil Engg.		• Professors/Emeritus and Guest faculties shall be appointed in the department • Test series to be conducted for poor students • Existing faculty shall pursue Ph.D at the earliest.

Suggestions for Central Activities

SN	Central Facility	Suggestions
1	**Institute Vision & Mission**	Process and Review to be workout **Institution SWOC Analysis** • Redesign weaknesses • SWOT to be linked properly
2	**Budget**	• Central Budget to be align with Department and allied services
3	**Library**	• Record of Titles added per year • Record of usability of Reference & Text Books by students and faculty • Fast accessibility of library data by students • Indexing-classified to be displayed properly • Books on career guidance • Past record of usability/index to be maintained • List of Journals-Indexed and non-Indexed to be available • Easy access of Journals to faculty • Yearwise Book purchase-Department wise • Science Indexed and Scopus indexed journals to be maintained in the library (at least 2-3) • Newspaper Stand in Library • Visitors records to be maintained along with ID proof for authentications. • Library Budget and Allocation • No. of hits for Journals and online publications – Record to maintain. • Size of reference section to be enhanced with all seating facility • OPEC to be given to all faculty and students • Sample good thesis of PG/UG students to be kept in the library • Research paper published by faculty to be available in the library • Latest issues of magazines/Newsletters to be display in shelf with back volumes. • E-books availability in library
4	**Campus Infrastructure**	• Energy Audit of campus • Steps visualization by painting • Ramps for Labs, Toilets and Library • Exhaust fans for Labs • Waste paper baskets in campus • Fire extinguisher in Labs at reachable distance. • Vehicle parking to be proper
5	**Others**	• Do not increase the intake, focus should be on quality education

		• Educational Exhibition to be organized • Arranged Meditation Hall for students and staff for Holistic development • Scientists photos shall be displayed in Labs • Data to be prepared having score more than 7.5 CGPA, GATE appeared and success rate • Arranged counseling, guidance and Motivation for GATE

External Academic Audit Expert Member Details

Date of Audit	Department	Name of Expert/Designation	Name of Organization	Address details
19/07/2018	Electrical Engineering	Dr. M. K. Khedkar, Professor & HOD **(Chairman)**	Department of Electrical Engg, VNIT, Nagpur	Email:mohankhedkar@eee.vnit.ac.in Mobile No:9422148053
		Dr. K. B. Porate, Professor & HOD **(Member)**	Department of Electrical Engg., PCE, Nagpur	Email: kporate@yahoo.com Mobile No: 8668522650
21/07/2018	Mechanical Engineering	Dr. V. R. Kalamkar, Professor & HOD **(Chairman)**	Department of Mechanical Engg, VNIT, Nagpur	Email: vilas_kalamkar@mec.vnit.ac.in Mobile No: 9923202066
		Dr. S. S. Chaudhari, Professor & HOD **(Member)**	Department of Mechanical Engg., YCCE, Nagpur	Email:sschaudharipatil@rediffmail.com Mobile No:9545531727
21/07/2018	Computer Science & Engineering	Dr. U. A. Deshpande, Professor & HOD **(Chairman)**	Department of CSE Engg, VNIT, Nagpur	Email:uadeshpande@gmail.com Mobile No:9822608329
		Dr. M. M. Raghuwanshi, Professor **(Member)**	Department of CSE Engg, YCCE, Nagpur	Email:m_raghuwanshi@rediffmail.com Mobile No:9764996596
01/08/2018	Civil Engineering	Dr. L. M. Gupta, Professor **(Chairman)**	Department of Applied Mechanics, VNIT, Nagpur	Email:lmgupta@apm.vnit.ac.in lmgupta_vrce@yahoo.co.in Mobile No:9422125802
		Dr. P. S. Pajgade, Professor **(Member)**	Department of Civil Engg, PRMITR, Amravati	Email: ppajgade@gmail.com Mobile No: 9422855343
21/07/2018	Electronics & Telcomm. Engineering	Dr. A. S. Gandhi, Professor **(Chairman)**	Department of EXTC Engg, VNIT, Nagpur	Email: asgandhi@ece.vnit.ac.in Mobile No: 0712-2801217
		Dr. P. V. Ingole, Professor **(Member)**	Department of EXTC Engg., PRMITR, Amravati	Email:pvingole@gmail.com Mobile No:9421818800

IQAC Coordinator

Principal

Co-ordinator, IQAC
P.R. Pote (Patil) C.O.E.&M.
Amravati

Chairman, IQAC
P.R. Pote (Patil) C.O.E & M
Amravati

Copy to: The Management/Head of Department/Coordinator, IQAC Cell

Name of Department		MBA				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
3	Academic Calendar	Hard	√	√	√	Staff & Student academic calendar should be separate
8	Faculty details (List of teaching and non-teaching faculty and their profile, Appointment letters, joining report, resignation letter, Leave record, etc)	Soft	√	√	√	Central file needed
15	Result Analysis (University Exam, Sessional Exam)	Soft	√	√	√	Remedial measures for poor results is missing
16	Internal Marks Assessment	Soft	√	√	√	Viva + Assessment sheet
18	Industry Institute Interaction (Industrial tour, MOU signed)	Soft/Hard	√	√	√	Training, STTPs, Conference data is needed
22	Departmental Annual Report	Hard	√	√	√	Include news cutting

Name of Department		MCA				
Sr. No.	Name of File	File Type	Academic Year			Remark
			2015-16	2016-17	2017-18	
6	Roll list of student	Hard/Soft	√	√	√	Univ. Enroll. No for session 2017-18 to be updated
10	Course file & Personal file	Soft/Hard	√	√	√	Index is required
11	Teaching Plan	Soft	√	√	√	
17	Details of R & D consultancy, projects, etc.	Soft/Hard	√	√	√	Separate file of Research papers & certificates is required
19	Student feedback Analysis	Soft	√	√	√	S-18 data
20	Parents meet, letters to parents, Counseling record	Soft/Hard	√	√	√	Combine file of counseling record
23	Training & Placement Record	Soft/Hard	√	√	√	Offer letter of student placed

5/3/18

(Dr. S. B. Warkad)

IQAC Coordinator

Co-ordinator, IQAC
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Principal

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