

Content

1.1.1

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NAAC Criteria-1

AQAR 2019-20

List of Supporting Documents

Item No.	Content
1.1.1	Institution has the mechanism for well-planned curriculum delivery and documentation.

SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE



Official Publication of Sant Gadge Baba Amravati University

PART - TWO

(असाधारण)

बुधवार, दिनांक २६ डिसेंबर, २०१८

अधिसूचना

क्रमांक : १३८/२०१८

दिनांक: २६/१२/२०१८

विषय : शैक्षणिक नियामिका शैक्षणिक वर्ष २०१९-२०२०
Subject: Academic Calendar.... 2019-2020

सर्व संबंधितांच्या माहिती करीता अधिसूचित करण्यात येते की, शैक्षणिक वर्ष २०१९-२०२० ची शैक्षणिक नियामिका खालील प्रमाणे राहिल.

It is notified for all concerned that, the Academic Calendar for the Academic Session 2019-2020 shall be as under:

तपसा -१

(Table-1)

अ. क्र. (S.N)	कृती/कार्यक्रम (Activity)	प्रारंभ (Commencement)	समाप्ती (Cessation)	एकूण दिवस (Total Days)
१.	शैक्षणिक सत्र (प्रथम सत्र) (First Session)	सोमवार, दि. १० जून, २०१९ Monday, 10 June, 2019	बुधवार, दि. २३ ऑक्टोबर, २०१९ Wednesday, 23 October, 2019	१०८ 108
२.	प्रवेश प्रक्रिया * (Admission Process)	सोमवार, दि. १० जून, २०१९ Monday, 10 June, 2019	शनिवार, दि. १५ जून, २०१९ Saturday, 15 June, 2019	०६ 06
३.	शैक्षणिक दिवस (प्रथम सत्र) Teaching Days (First Session)	सोमवार, दि. १७ जून, २०१९ Monday, 17 June, 2019	शनिवार, दि. १२ ऑक्टोबर, २०१९ Saturday, 12 October, 2019	९३ 93
४.	हिवाळी परीक्षांची तयारी (Preparation of Winter Examination/College Examination)	सोमवार, दि. १४ ऑक्टोबर, २०१९ Monday, 14 October, 2019	बुधवार, दि. २३ ऑक्टोबर, २०१९ Wednesday, 23 October, 2019	०९ 09
५.	प्रथम सत्र अवकाश (First Term Vacation)	गुरुवार, दि. २४ ऑक्टोबर, २०१९ Thursday, 24 October, 2019	बुधवार, दि. २० नोव्हेंबर, २०१९ Wednesday, 20 November, 2019	२४ 24
६.	शैक्षणिक सत्र (द्वितीय सत्र) (Second Session)	गुरुवार, दि. २१ नोव्हेंबर, २०१९ Thursday, 21 November, 2019	शनिवार, दि. २५ एप्रिल, २०२० Saturday, 25 April, 2020	१२६ 126

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७.	अशैक्षणिक** दिवस (नॅकची तयारी, कर्मचारी विकास कार्यक्रम, अंतर्गत गुणवत्ता हमी कक्ष सभा, अंतर्गत गुणवत्ता हमी अहवाल सादरीकरण व इतर गुणवत्ता यादी संबंधित उपक्रम, शैक्षणिक अंकेक्षण, इत्यादी.) Non Instructional Days (NAAC Preparation, Faculty Development Programmes, IQAC Meetings, IQAR Submission, Post Accreditation Activities for Quality Enhancement, Academic Audit, etc.)	गुरुवार, दि. २१ नोव्हेंबर, २०१९ Thursday, 21 November, 2019	शुक्रवार, दि. १३ डिसेंबर, २०१९ Friday, 13 December, 2019	२० 20
८.	शैक्षणिक दिवस (द्वितीय सत्र) Teaching Days (Second Session)	शनिवार, दि. १४ डिसेंबर, २०१९ Saturday, 14 December, 2019	शनिवार, दि. १८ जानेवारी, २०२० (३० दिवस) Saturday, 18 January, 2020 (30 Days)	९० 90
		सोमवार, दि. २७ जानेवारी, २०२० Monday, 27 January, 2020	सोमवार, दि. १३ एप्रिल, २०२० Monday, 13 April, 2020 (60 Days)	
९.	विद्यार्थ्यांचे शैक्षणिक उपक्रम. (Extra Curricular Activities of students)	सोमवार, दि. २० जानेवारी, २०२० Monday, 20 January, 2020	शनिवार, दि. २५ जानेवारी, २०२० Saturday, 25 January, 2020	०६ 06
१०.	उन्हाळी परीक्षांची तयारी (Preparation for Summer Examination/College Examinations)	बुधवार, दि. १५ एप्रिल, २०२० Wednesday, 15 April, 2020	शनिवार, दि. २५ एप्रिल, २०२० Saturday, 25 April, 2020	१० 10
११.	द्वितीय सत्र अवकाश (Second Term Vacation)	सोमवार, दि. २७ एप्रिल, २०२० Monday, 27 April, 2020	शनिवार, दि. ६ जून, २०२० Saturday, 6 June, 2020	३६ 36

* प्रथम सत्र प्रारंभ होण्यापूर्वी अवकाश कालावधीत प्रवेश प्रक्रीया सुरु करण्यात यावी.

(Admission Process may be started prior to commencement of First Session in vacations.)

** विद्यापीठाने Faculty Development Programme, Orientation/Refresher Courses इत्यादी शक्यतो या कालावधीत आयोजित करावे.

(As far as possible the University should organize Faculty Development Programme, Orientation/Refresher Courses etc. during this period.)

विद्यापीठाच्या परीक्षा व दीक्षांत समारंभ

University Examinations and Convocation

अ. विद्यापीठाने खालील कालावधीतच परीक्षांचे आयोजन करावे.

A. The University Shall conduct examinations strictly adhering to following schedule.

SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE - 2018 - PART TWO - 755

अ. क्र. (S.N)	कृती/कार्यक्रम (Activity)	प्रारंभ (Commencement)	समाप्ती (Cessation)	एकूण दिवस (Total Days)
1.	हिवाळी परीक्षा Winter Examinations	गुरुवार, दि. १७ ऑक्टोबर, २०१९ Thursday, 17 October, 2019	शुक्रवार, दि. १३ डिसेंबर, २०१९ Friday, 13 December, 2019	४६ 46
2.	उन्हाळी परीक्षा Summer Examinations	बुधवार, दि. १५ एप्रिल, २०२० Wednesday, 15 April, 2020	शनिवार, दि. ६ जून, २०२० Saturday, 6 June, 2020	४६ 46

विशेष सूचना: (Special Note):

ब. विद्यापीठाचा दीक्षांत समारंभ दि. २० डिसेंबर, २०१९ ला आयोजित करण्यात येईल.
B.University Convocation will be organized on 20th December, 2019.

तक्ता -२
(Table - 2)

अ. क्र. (Sr.No.)	सण/सुट्ट्या (Festivals/Holidays)	दिवस व दिनांक (Day & Date)
१.	बकरी ईद (ईद-उल-झुआ) Bakri Id (Id-Ul-Zuha)	सोमवार, दि. १२ ऑगस्ट, २०१९ Monday, 12 August, 2019
२.	स्वातंत्र्य दिन Independence Day	गुरुवार, दि. १५ ऑगस्ट, २०१९ Thursday, 15 August, 2019
३.	पारसी नववर्ष दिन (शाहेनशाही) Parsi New Year (Shahenshabhi)	शनिवार, दि. १७ ऑगस्ट, २०१९ Saturday, 17 August, 2019
४.	गणेश चतुर्थी Ganesh Chaturthi	सोमवार, दि. २ सप्टेंबर, २०१९ Monday, 2 September, 2019
५.	गौरीपूजन Gouri Poojan	शुक्रवार, दि. ६ सप्टेंबर, २०१९ Friday, 6 September, 2019
६.	मोहरम Moharum	मंगळवार, दि. १० सप्टेंबर, २०१९ Tuesday, 10 September, 2019
७.	सर्वपितृ अमावास्या Sarvapitru Amawasyya	शनिवार, दि. २८ सप्टेंबर, २०१९ Saturday, 28 September, 2019
८.	महात्मा गांधी जयंती Mahatma Gandhi Jayanti	बुधवार, दि. २ ऑक्टोबर, २०१९ Wednesday, 2 October, 2019
९.	दसरा Dasara	मंगळवार, दि. ८ ऑक्टोबर, २०१९ Tuesday, 8 October, 2019
१०.	ख्रिसमस Christmas	बुधवार, दि. २५ डिसेंबर, २०१९ Wednesday, 25 December, 2019
११.	छत्रपती शिवाजी महाराज जयंती Chhatrapati Shivaji Maharaj Jayanti	बुधवार, दि. १९ फेब्रुवारी, २०२० Wednesday, 19 February, 2020
१२.	महाशिवरात्री Mahashivratri	शुक्रवार, दि. २१ फेब्रुवारी, २०२० Friday, 21 February, 2020
१३.	होळी (दुसरा दिवस) Holi (Second Day)	मंगळवार, दि. १० मार्च, २०२० Tuesday, 10 March, 2020
१४.	गुढीपाडवा Gudhi Padwa	बुधवार, दि. २५ मार्च, २०२० Wednesday, 25 March, 2020
१५.	रामनवमी Ram Navmi	गुरुवार, दि. २ एप्रिल, २०२० Thursday, 2 April, 2020
१६.	महावीर जयंती Mahavir Jayanti	सोमवार, दि. ६ एप्रिल, २०२० Monday, 6 April, 2020
१७.	गुड फ्रायडे Good Friday	शुक्रवार, दि. १० एप्रिल, २०२० Friday, 10 April, 2020
१८.	डॉ.बाबासाहेब आंबेडकर जयंती Dr.Babasaheb Ambedkar Jayanti	मंगळवार, दि. १४ एप्रिल, २०२० Tuesday, 14 April, 2020

खालील सुटी रविवारी येत आहे.

१. प्रजासत्ताक दिन - दि. २६ जानेवारी, २०२०.

Following Holiday fall on Sunday.

1. Republic Day - 26th January, 2020

- (१) ही शैक्षणिक नियामिका विद्यापीठाचे शैक्षणिक विभाग/ विद्यापीठाद्वारे संचालित महाविद्यालये/ विद्यापीठाशी संलग्नीत महाविद्यालये (व्यावसायिक महाविद्यालयांसहीत) यांना लागू राहिल.
(This Academic Calendar shall be applicable to all University Teaching Departments/ University Conducted Colleges/Affiliated Colleges (including Professional Colleges) of Sant Gadge Baba Amravati University.)
- (२) शैक्षणिक वर्ष २०१९-२०२० मध्ये अध्यापन कार्य एकूण किती दिवस करण्यात आले या संबंधीची माहिती विद्यापीठ शैक्षणिक विभाग प्रमुखांनी/विद्यापीठाद्वारे संचालित महाविद्यालयांच्या प्राचार्यांनी व संलग्नीत महाविद्यालयांच्या प्राचार्यांनी शैक्षणिक वर्षाच्या अखेरीस विद्यापीठास कळवावी.
(At the end of Academic Session the Heads of the Teaching Departments of the University / Principals of Conducted Colleges and Affiliated Colleges shall communicate to the University total teaching days during the Academic Session 2019-2020).
- (३) विद्यापीठाच्या शैक्षणिक विभागांतील / विद्यापीठाशी संलग्नीत महाविद्यालयांतील शिक्षक व शैक्षणिक कर्मचाऱ्यांना तक्ता-२ मध्ये दर्शविण्यात आलेल्या सुट्यांव्यतिरिक्त राज्य शासनाने जाहीर केलेल्या इतर सुट्या अथवा जिल्हाधिकार्यांनी जाहीर केलेल्या सुट्या उपभोगता येणार नाहीत. तथापि, यासंदर्भात अनुषंगिक निर्णय घेण्याचे अधिकार मा. कुलगुरुंना राहतील.
(The Teaching Departments of the University/ University Conducted Colleges/ Affiliated Colleges of the University shall have holidays as per Table-2 and shall not have the holidays declared by the State Government or the District Collector. However, the Hon'ble Vice-Chancellor shall have the power to take decision in this regard.)
- (४) परीक्षा कालावधी कमी करण्यात यावा. ज्यामुळे मुल्यांकनाला पुरेसा वेळ देता येईल व निकाल वेळेवर जाहीर करता येतील, तथा प्रवेश प्रक्रियेला गती देवून प्रवेश वेळेत पूर्ण करता येतील. जेणेकरून विद्यार्थी महाविद्यालय/ विद्यापीठ परिसरात शैक्षणिक कार्यासाठी नियोजित कार्यक्रमानुसार उपस्थित राहू शकेल. याकरीता परीक्षा विभागाने परीक्षेकरीता निर्धारित केलेल्या कालावधीचे कटाक्षाने पालन करावे.
(Span of Examination be curtailed to have enough time for evaluation and the publication of results in time so that the admission process could be speed up and completed in time, to have students presence in the campus for teaching as per schedule. For this, the time span allotted for examinations shall be strictly followed by Examination Section.)
- (५) अभियांत्रिकी अभ्यासक्रमांच्या प्रथम सत्राचे प्रवेश तंत्रशिक्षण संचालनालय, मुंबई द्वारे निश्चित होत असल्यामुळे प्रवेश प्रक्रियेचा कालावधी काही आठवड्यांनी लांबत असल्यामुळे प्रत्यक्षात शैक्षणिक कार्य विलंबाने सुरु होते हे लक्षात घेता, ९० शैक्षणिक दिवस पूर्ण होईपर्यंत प्रथम सत्र सुरु ठेवावे. करीता महाविद्यालय तथा विद्यापीठाचे परीक्षा व मुल्यांकन विभाग अवकाश व परीक्षेचा कालावधी यामध्ये समायोजन घडवून आणतील. तसेच या संदर्भातील बदल महाविद्यालये विद्यापीठाला कळवतील.
(The admissions of the First Semester of Engineering Courses are governed by D.T.E., Mumbai and take couple of weeks for completion of admission process which results in late commencement of actual teaching. Hence, it is recommended to extend Ist Session to observe 90 teaching days. Vacation and Examination will be adjusted accordingly by the Colleges, Examination & Evaluation Section of the University. Accordingly, the change should be brought to the notice of the University.)
- (६) ही शैक्षणिक नियामिका विचारात घेवून प्रत्येक महाविद्यालयाने तपशिलवार शैक्षणिक नियामिका तयार करून ती महाविद्यालय विकास समितीकडून मान्य करून महाविद्यालयाचे माहितीपत्रक, वेबसाईट इत्यादींच्या माध्यमातून विद्यार्थ्यांच्या निदर्शनास आणणे अनिवार्य आहे.
(It is mandatory for all colleges to prepare their Academic Calendar as per University Academic Calendar and after approval of the College Development Committee, the college Academic Calendar be published in the College Prospectus, Website for information of the students.)

स्वा/-

(डॉ. अजय प्र. देशमुख)

कुलसचिव,

संत गाडगे बाबा अमरावती विद्यापीठ

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

ACADEMIC CALENDER (B. E.)

Academic Year 2019-20

ODD SEMESTER

JUNE 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

JULY 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AUGUST 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

OCTOBER 2019

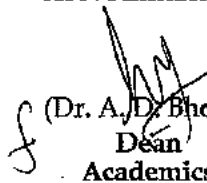
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

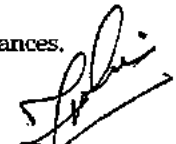
NOVEMBER 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Activity	Date/Duration
Display of Time Table	20 June 2019
Commencements of Classes	24 June 2019
Discussion about scheme of exam and syllabus	25 June 2019
Library Books issue	1 July 2019
Unit Test 1	13, 14, 16 Aug. 2019
Declaration of UT 1 Result	22 August 2019
Class Test/ Assignments/Viva/Re-test	23 to 31 Aug. 2019
Feedback I	30, 31 Aug. 2019
Final Year Seminar	09 to 14 Sept. 2019
Project Review I	03 - 04 Oct. 2019
Display of Provisional detention list	01 Oct. 2019
Unit Test 2	14, 15, 16 Oct. 2019
Declaration of UT 2 Result	19 Oct. 2019
Class Test/ Assignments/Viva/Re-test	21, 22 Oct. 2019
Feedback 2	21, 22 Oct. 2019
Practical Submission	17 to 22 Oct. 2019
Display of detention list	23 Oct. 2019
Last day of Teaching	23 Oct. 2019
University Exam	31 Oct. 2019

Above mentioned dates are subject to change due to unavoidable circumstances.


(Dr. A. D. Bhojar)
Dean
Academics


(Dr. S. D. Wakde)
Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

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

ACADEMIC CALENDER (B. E.)

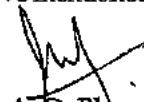
Academic Year 2019-20


EVEN SEMESTER

DECEMBER 2019						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
JANUARY 2020						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	
FEBRUARY 2020						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
MARCH 2020						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
APRIL 2020						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		
MAY 2020						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Activity	Date/Duration
Display of Time Table	23 Dec. 2019
Commencements of Classes (Higher)	26 Dec. 2019
Commencements of Classes (First yr.)	15 Jan. 2020
Discussion about scheme of exam and syllabus	27 Dec. 2019
Library Books issue	1 Jan. 2020
Project Review II	6 Jan. 2020
Unit Test 1	17, 18 & 20 Feb. 2020
Declaration of UT 1 Result	24 Feb. 2020
Class Test/ Assignments/Viva/Re-test	25 to 29 Feb. 2020
Feedback I	2, 3 March 2020
Display of Provisional detaintion list	5 March 2020.
Project progress Submission	14 March 2020.
Unit Test 2	1, 3, 4 April 2020
Declaration of UT 2 Result	7 April 2020.
Class Test/ Assignments/Viva/Re-test	8 to 11 April 2020
Feedback 2	8, 9 April 2020
Practical Submission	8 to 11 April 2020
Project Completion	10 April 2020.
Display of detention list	13 April 2020.
Last day of Teaching	13 April 2020.
University Exam	20 April 2020.

Above mentioned dates are subject to change due to unavoidable circumstances.


 (Dr. A. D. Bhojar)
 Dean
 Academics


 (Dr. S. D. Wakde)
 Principal
 P. R. Pote (Patil)
 College of Engineering & Management
 Amravati.

ACADEMIC CALENDAR (Staff)																	DEPARTMENT: MCA							Year: W-2019							SEMESTER: I & III & V						
DAY	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun							
Dt.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							
ACTIVITIES					ID-UL-Fitur			DM							DM					FDP	FDP	FDP		College opens				WS	WS	DM							
	No. of working days = 24																																				
Dt.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
ACTIVITIES	Project Synopsis	Project Analysis				Interaction Program							DM		Project Design					GL						Social Visit	DM			WS	WS	WS					
	No. of working days = 26																																				
Dt.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
ACTIVITIES	UTI (I&II)	UTI (I&II)	YR	Mid Pro	Project Coding				GL					Bakri Id	Independen	IV	Parsi New Day							DM						WS	WS						
	No. of working days = 23																																				
Dt.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							
ACTIVITIES		Ganesh Chaturthi		Demol I	Teachers Day	Gauri Poojan			Moharrum			UTI I & II YR	UTI I & II YR	UTI I & II YR					Mid Pro							Abhaze-19	Alumni Talk DM										
	No. of working days = 23																																				
Dt.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
ACTIVITIES		Gandhi Jayanti					Dassera		UT21 Yr	UT21 Yr	UT21 Yr	DM	Mid Pro	DM					GL							Dwali	Dwali	Dwali	Dwali	Dwali							
	No. of working days = 18																																				

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

PM - Principal Meeting
IV - Industrial Visit

GL - Guest Lecture
PD-Project(Mini) Demo

DM - Departmental Meeting
WS-Workshop

PS - Practical Submission
TQ - Technical Quiz

Total Working Days: 123
CT - Common Test
MM-Management Meeting


(Sign)

(Prof. _____)
Head Of The Department

Lecturer / A.P.

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


Print(Sign)


(Prof. _____)
College of Engg. Management
Antravali


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

April		May	
DAY	ACTIVITIES	DAY	ACTIVITIES
Wed	1	Fri	MAHARASHTRA DAY
Thu	2	Sat	
Fri	3	Sun	
Sat	4	Mon	
Sun	5	Tue	
Mon	6	Wed	Mahavir Jayanti
Tue	7	Thu	Result of UT-II
Wed	8	Fri	Re-Test, Submission & Feedback
Thu	9	Sat	Re-Test, Submission & Feedback
Fri	10	Sun	Good Friday
Sat	11	Mon	
Sun	12	Tue	
Mon	13	Wed	Display of Detention list & last day of Teaching
Tue	14	Thu	Dr B.R.Ambetkar jayanti
Wed	15	Fri	
Thu	16	Sat	
Fri	17	Sun	
Sat	18	Mon	
Sun	19	Tue	
Mon	20	Wed	University Exam
Tue	21	Thu	
Wed	22	Fri	
Thu	23	Sat	
Fri	24	Sun	
Sat	25	Mon	
Sun	26	Tue	
Mon	27	Wed	Summer Vacations
Tue	28	Thu	
Wed	29	Fri	
Thu	30	Sat	
		Sun	
No. of working days = 22			

Theory Examination Starts from ---20th April-2020

Total number of working Days: -121 up to 30th April


(Prof. R. D. Ghongade)
Head of the Department


(Dr. S. D. Walkde)
Principal

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

Academic Calendar																Department: Electronics & Telecommunication Engg.							Year: 2019-2020							Semester: 3, 5, 7																				
DAY	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun						
June	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30																				
ACTIVITIES					Ramzan Eid																								Foreign tour																					
July	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																			
ACTIVITIES								Guest Lecture																																										
August	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																			
ACTIVITIES			Guest Lecture		One day Workshop							Bakri Eid	UNIT TEST-I	UNIT TEST-I	Independence day		Patel		UNIT TEST-I																															
September	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30																				
ACTIVITIES		Ganesh Chaturthi			Teachers day	Gouri Pujan	Seminar Final Year			Moharram																																								

ACADEMIC CALENDAR														DEPARTMENT: Mechanical Engineering														Year: 2019-2020 SEMESTER: III, V, VII													
DAY	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	No. of working days = 24																	
June	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No. of working days = 26									
July	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No. of working days = 26									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No. of working days = 26									
August	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No. of working days = 24									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	No. of working days = 24									

ACADEMIC CALENDAR		DEPARTMENT: MECHANICAL ENGINEERING		Year: 2019 - 2020	SEMESTER: 3,5,7																																	
September	DAY	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon																												
	Dt.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
October	DAY	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon							
	Dt.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
November	DAY	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon							
	Dt.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							
ACTIVITIES		Ganesh Chaturthi			TEACHER'S DAY			GUEST LECTURE			Moharam Tajiya			Guest Lecture			UNIT TEST -II			UNIT TEST -II			UNIT TEST -II			END OF SESSION						Industrial Visit			Diwali			No. of working days =11
ACTIVITIES		GANDHI JAYANTI			IEI Student Chapter Installation			Dussera			Guru Nanak Jayanti																								No. of working days =22			
ACTIVITIES																																						

Theory Examination Starts from --Nov-2016

*GL - Guest Lecture

*CB - Curriculum Based

*AS - Advances in subject

Head of the Department

Principal

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

ACADEMIC CALENDAR(UG)							DEPARTMENT: ELECTRICAL ENGINEERING							Year: 2018 - 2019 SEMESTER: 3,5,7(Shift-I)													
DAY	Tue	Wed	Thu	Fri	Sat	Sun	DAY	Tue	Wed	Thu	Fri	Sat	Sun	DAY	Tue	Wed	Thu	Fri	Sat	Sun	DAY	Tue	Wed	Thu	Fri	Sat	Sun
Dt.	1	2	3	4	5	6	Dt.	1	2	3	4	5	6	Dt.	1	2	3	4	5	6	Dt.	1	2	3	4	5	6
November							December							January													
ACTIVITIES							ACTIVITIES							ACTIVITIES													
Gandhi Jayanti							Tentative SGBAU Practical Examination							Christmas													
Alumni Meet							Industrial Tour							Session Starts													
DASERA							Gurunanak Jayanti							Winter (Diwali) Vacation													
Parents Meet							UNIT TEST-III							UNIT TEST-III													
UNIT TEST-III							UNIT TEST-III							UNIT TEST-III													
End of Session							No. of working days = 26							No. of working days = 25													
No. of working days = 25							No. of working days = 25							No. of working days = 25													

Total No. Of Working Days: 89
SGBAU Theory Examination Tentatively Starts from 04/11/2019 to 30/11/2019
IV- Industrial Visit
*GL - Guest Lecture

H. S. Patil (Depy)
P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions
P.R. Prof. P. R. Pote (Patil) (Head of the Department)

Dr. S. D. Wakde (Principal)
T. S. Patil (Head of Department)

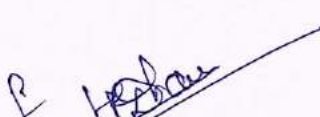
P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions
 First Year Engineering Department
 MASTER TIME TABLE 2019-2020


W.E.F. 16/09/2019


Semester : I (ODD)

Day	Time	11:00-12:00	12:00-1:00	1:30-2:30	2:30-3:30	3:40-4:35	4:35-5:30
MONDAY	A	EG-PRW		M2-SAK	Tutorial M2 EE	CHE-ADB	Counseling/ Library
	B	CHE-YKV	EE-SAJ	EG-AWM	M2-SAB	CHE-YKV/EG-AWM/EE-SAJ	
	C	PHY-SAP	EM-ANA	CP-AVD	M1-SSN	Workshop	
	D	M1-SSK	CP-AVD	EM-VSU/CP-SRG/PHY-NRT		PHY-NRT	EM-VSU
	E	CP-SRG	PHY-SAP/NRT	M1-GBM	EM-ANA	EM-MSD/CP-SRG/PHY-SAP	
TUESDAY	A	CHE-ADB	EG-PRW	CHE-HRD/EG-PRW/EE-RVA		Tutorial EE/M2	M2-SAK
	B	EG-AWM	CHE-YKV	M2-SAB	EE-SAJ	EG-AWM/EE-SAJ/CHE-YKV	
	C	M1-SSN	CP-AVD	CP-AVD/PHY-SAP/EM-ANA		PHY-SAP	EM-ANA
	D	CP-AVD	PHY-NRT	EM-VSU	M1-SSK	EM-VSU/CP-SRG/PHY-NRT	
	E	PHY-SAP/NRT	EM-ANA	M1-GBM	CP-SRG	Workshop	
WEDNESDAY	A	M2-SAK	EG-PRW	EE-RVA	CHE-ADB	ECS-SHT	
	B	EE-SAJ	EG-AWM	CHE-YKV	M2-SAB	EE-SAJ/CHE-YKV/EG-AWM	
	C	CP-AVD		PHY-SAP	EM-ANA	M1-SSN	Counseling/ Library
	D	Tutorial EM/M1	EM-VSU	PHY-NRT	CP-AVD	M1-SSK	Counseling/ Library
	E	PHY-SAP/NRT	EM-ANA	CP-SRG	M1-GBM	CP-SRG/PHY-NRT/EM-MSD	
THURSDAY	A	M2-SAK	EE-RVA	CHE-ADB	EG-PRW	EG-PRW/EE-RVA/CHE-HRD	
	B	EG-AWM	CHE-YKV	M2-SAB	Tutorial EE/M2	ECS-SHT	
	C	M1-SSN	PHY-SAP	PHY-SAP/EM-ANA/CP-AVD		EM-ANA	CP-AVD
	D	M1-SSK	CP-AVD	PHY-NRT	EM-VSU	EM-VSU/CP-SRG/PHY-NRT	
	E	PHY-SAP/NRT	CP-SRG	Workshop		M1-GBM	Tutorial EM/M1
FRIDAY	A	EE-RVA	CHE-ADB	EE-RVA/CHE-HRD/EG-PRW		M2-SAK	EG-PRW
	B	ECS-SHT		M2-SAB	EG-AWM	EE-SAJ	Counseling/ Library
	C	PHY-SAP	Tutorial EM/M1	CP-AVD	M1-SSN	PHY-SAP/EM-ANA/CP-AVD	
	D	M1-SSK	EM-VSU	PHY-NRT	CP-AVD	Workshop	
	E	EM-ANA	PHY-SAP/NRT	CP-SRG/PHY-SAP/EM-MSD		M1-GBM	CP-SRG

Time	08:30 - 09:30	09:30 - 10:30	11:00 - 12:00	12:00 - 01:00	
SATURDAY	A	ECS-SHT		EE-RVA	
	B	EE-SAJ	Tutorial M2/EE	EG-AWM	
	C	Workshop		EM-ANA	
	D	Tutorial M1/EM	CP-AVD	Workshop	
	E	EM-ANA	Tutorial M1/EM	CP-SRG	Counseling/ Library


 Prof. Y.K. Vyawahare
 Time Table I/C


 Prof. R.R. Wadnerkar
 Head of the Department

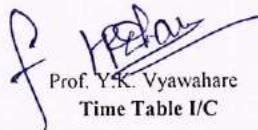

 Dr. S.D. Wakde
 Principal

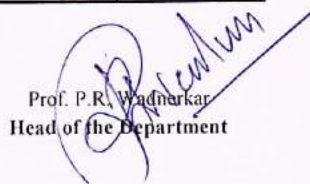
P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions
College of Engineering and Management, Amravati
First Year Engineering Department
MASTER TIME TABLE 2019-2020

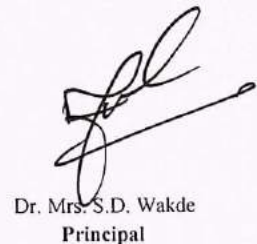
Semester : II (EVEN)

W.E.F. 16/01/2020

Day	Hour	Time		1:30-2:30	2:30-3:30	3:40-4:35	4:35-5:30
		11:00-12:00	12:00-1:00				
MONDAY	A	M1-SSN	EM-ANA	CP-AVD	PHY-SAP	EM-ANA/CP-AVD/PHY-SAP	
	B	M1-SSK	CP-SRG	EM-ANA/CP-SRG/PHY-NRT		PHY-NRT	EM-VSU/ Virtual Lab
	C	EG-AWM	CHE-ADB	EE-RVA	M2-SSN	CHE-ADB/EG-AWM/EE-RVA	
	D	EE-RVA	EG-PRW	ECS-SDC		M2-SSK	Counseling/ Library
	E	CHE-HRD	EG-PSA	EE-PDD/CHE-YKV/EG-PSA		EE-PDD	M2-GBM
TUESDAY	A	PHY-SAP	M1-SSN	CP-AVD	EM-ANA	Workshop	
	B	CP-SRG	PHY-NRT	M1-SSK	EM-VSU	CP-SRG/PHY-NRT/EM-ANA	
	C	ECS-FKT		EE-RVA	EG-AWM	M2-SSN	Counseling/ Library
	D	M2-SSK	CHE-YKV	EG-PRW/EE-PDD/CHE-YKV		EE-RVA	EG-PRW/ Virtual Lab
	E	EE-PDD	CHE-HRD	EG-PSA	M2-GBM	EG-PSA/EE-PDD/CHE-YKV	
WEDNESDAY	A	EM-ANA	PHY-SAP	M1-SSN	CP-AVD	Workshop	
	B	EM-VSU	M1-SSK	PHY-NRT	CP-SRG	PHY-NRT/EM-ANA/CP-SRG	
	C	ECS-FKT		CHE-ADB	EE-RVA	EG-AWM/ Virtual Lab	M2-SSN
	D	EG-PRW	EE-RVA	CHE-YKV	M2-SSK	EE-PDD/CHE-YKV/EG-PRW	
	E	EE-PDD		EG-PSA	CHE-HRD	M2-GBM	Counseling/ Library
THURSDAY	A	CP-AVD	PHY-SAP	EM-ANA	M1-SSN	CP-AVD/PHY-SAP/EM-ANA	
	B	CP-SRG	EM-VSU	Workshop		M1-SSK	Counseling/ Library
	C	M2-SSN	EE-RVA	EG-AWM/EE-RVA/CHE-ADB		CHE-ADB	EG-AWM
	D	ECS-SDC		M2-SSK	CHE-YKV	EE-RVA	EG-PRW
	E	M2-GBM	EG-PSA	EE-PDD	CHE-HRD	CHE-YKV/EG-PSA/EE-PDD	
FRIDAY	A	CP-AVD	PHY-SAP	EM-ANA	M1-SSN	PHY-SAP/EM-ANA/CP-AVD	
	B	PHY-NRT	EM-VSU	CP-SRG	M1-SSK	Workshop	
	C	CHE-ADB	M2-SSN	EG-AWM	EE-RVA	EE-RVA/CHE-ADB/EG-AWM	
	D	EE-RVA	M2-SSK	CHE-YKV/EG-PRW/EE-PDD		EG-PRW	CHE-YKV
	E	M2-GBM	CHE-HRD	ECS-SHT		EG-PSA/ Virtual Lab	EE-PDD
SATURDAY	A	EM-ANA/ Virtual Lab	CP-AVD	11:00 - 12:00	12:00 - 01:00		
	B	CP-SRG	M1-SSK	M1-SSN	Counseling/ Library		
	C	EE-RVA	M2-SSN	PHY-NRT	EM-VSU		
	D	CHE-YKV	EG-PRW	CHE-ADB	EG-AWM		
	E	ECS-SHT		EE-RVA	M2-SSK		
				M2-GBM	EG-PSA		


 Prof. Y.K. Vyawahare
 Time Table I/C


 Prof. P.R. Wadnarkar
 Head of the Department


 Dr. Mrs. S.D. Wakde
 Principal

Format No: PRPCEM/Acad/4.1

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

MASTER TIME TABLE, Winter - 2019

Semester: Odd (III,V).

WEF:-1/8/2019

Day	Time Div	11.00-12.00	12.00-1.00 pm		1.30-2.30 pm	2.30-3.30pm	3.45-4.45pm	4.45-5.45pm	
Mon	I Year	SAD(SMJ)	CO(SVV)	B R E A K 1 0 0 P M 1 3 0 P M	MF(GM)	CPP(DRD)	LAB2-MF(RVM)		
	II Year	FSDP(PST)	JAVA(ASB)		COOT(SVV)	OS(CAD)	JAVA-B1(ASB)+ FSDP-B2(PST)		
	III Year	SAS(RVM)	AI(SRK)		MIS(PST)	SPM(SMJ)	SPM-B1(SMJ)+ AI-B2(SRK)		
Tue	I Year	MF(GM)	CPP(DRD)		TECHNICALS - T&P (YDK)	TECHNICALS - T&P (YDK)	LAB1-CPP (ASB)		
	II Year	JAVA(ASB)	CN(RVM)		OS(CAD)		COOT-B1(SVV)+ OS-B2(CAD)		
	III Year	SPM(SMJ)	MIS(PST)		DWM(ASB)		SAS-B1(RVM)+ SPM-B2(SMJ)		
Wed	I Year	MF(GM)	CO(SVV)		B R E A K 1 0 0 P M	Group Discussion - T&P (PC)	Group Discussion - T&P (PC)	LAB3-WEB TECHNOLOGY (SMJ)	
	II Year	COOT(SVV)	JAVA(ASB)			FSDP(PST)		FSDP-B1(PST)+ OS-B2(CAD)	
	III Year	AI(SRK)	SAS(RVM)			DWM(ASB)		PROJECT (B1+B2)	
Thu	I Year	MF(GM)	CPP(DRD)	L U N C H 1 0 0 P M	CO(SVV)	SAD(SMJ)	PROJECT		
	II Year	FSDP(PST)	CN(RVM)		JAVA(ASB)	COOT(SVV)	OS-B1(CAD) + COOT-B2(SVV)		
	III Year	SPM(SMJ)	AI(SRK)		MIS(PST)	TECHNICALS (ASB)	PROJECT(B1+B2)		
Fri	I Year	SAD(SMJ)	CPP(DRD)		TECHNICALS (PB)	TECHNICAL (RVM)	PROJECT		
	II Year	CN(RVM)	OS(CAD)		FSDP(PST)	TECHNICAL (SMJ)	OS-B1(CAD) + JAVA-B2(ASB)		
	III Year	DWM(ASB)	MIS(PST)		SAS(RVM)	AI(SRK)	AI-B1(SRK)+ SAS-B2(RVM)		
Day / Time	C/S	8.30-9.30am	9.30-10.30am		L u n c h b r e a k (10.00- 11.00 am)	11.00-12.00am	12.00-1.00pm	1.00-1.30pm	
Sat	I Year	CO(SVV)	SAD(SMJ)			TECHNICALS T&P	TECHNICALS- T&P (PST)	COUNSELING / LIBRARY	
	II Year	OS(CAD)	COOT(SVV)			CN(RVM)		COUNSELING / LIBRARY	
	III Year	SAS(RVM)	DWM(ASB)	SPM(SMJ)		COUNSELING / LIBRARY			

First Year

Theory		Practicals		
Subject	Staff Name	Subject (Bt)	Name of Faculty	Lab
1MCA1-Computer Organization (CO)	Ms Sonali Vidhani (SVV)	1MCA2-Programing using C++ (PUCC)	Prof A. S. Bhande	Web Tech Lab
1MCA2-Programing using C++ (PUCC)	Prof. D R.Dhanwani (DRD)	1MCA3-Mathematical Foundations(MF)	Prof R. V. Mahule	Web Tech Lab
1MCA3-Mathematical Foundations(MF)	Prof G Malviya	1MCA5- Web Technology(WT)	Prof S. M Jadhav	Web Tech Lab
1MCA4-Principals of Management(POM)	Prof S M Jadhav (SMJ)			

Second Year

Theory		Practicals		
Subject	Staff Name	Subject (Bt)	Name of Faculty	Lab
3MCA1-Operating System (OS)	Dr C A Dhawale (CAD)	3MCA6-Operating System (A1+A2)	Dr C A Dhawale (CAD)	Computer Centre
3MCA2- File Structure & Data	Prof P S Thombare (PST)	3MCA7- File Structure & Data	Prof P S Thombare (PST)	Computer Centre
3MCA3- Java Programming (JP)	Prof A S Bhande (ASB)	3MCA8-Java Programming	Prof A S Bhande (ASB)	Computer Centre
3MCA4-Computer Networks (CN)	Prof R V Mahule (RVM)	3MCA9- Computer Oriented Optimization Techniques	Ms Sonali Vidhani (SVV)	Computer Centre
3MCA5- Computer Oriented Optimization Techniques(COOT)	Ms Sonali Vidhani (SVV)			

Third Year

Theory		Practicals		
Subject	Staff Name	Subject (Bt)	Name of Faculty	Lab
5MCA1-Artificial Intelligence	Prof S R Kale (SRK)	5MCA1-Artificial Intelligence	Prof S R Kale (SRK)	Computer Centre
5MCA2-Software Project Management	Prof S M Jadhav (SMJ)	5MCA2-Software Project Management	Prof S M Jadhav (SMJ)	Computer Centre
5MCA3-System Administration & Security	Prof R V Mahule (RVM)	5MCA3-System Administration & Security	Prof R V Mahule (RVM)	Computer Centre
5MCA4-Management Information System	Prof P S Thombare (PST)	5MCA6- Project	(CAD,PST, SMJ, ASB, RVM)	Computer Centre
5MCA5-Data Mining & Warehousing	Prof A S Bhande (ASB)			

Format No: PRPCEM/Acad/4.1

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

Department of MCA


Master Time Table - Summer - 20


Semester: SYMCA -IV, FYMCA-II

Day	Class/Time	11.00-12.00am	12.00-1.00pm	1.00-1.30 pm R E C E S S	1.30-2.30pm	2.30-3.30 pm	3.30-3.45 pm R E C E S S	3.45-4.45pm	4.45-5.45pm	W.E.F. 8-01-20
Monday	SYMCA	ECOM (SMJ)	DBMS (ASB)	1.00-1.30 pm R E C E S S	MT (RVM)	Technicals T&P (VDK)	3.30-3.45 pm R E C E S S	DBMS(B1-LAB1-ASB) + ECOM(B2-LAB1-SMJ)	4.45-5.45pm	
	FYMCA	DS (RVM)	OS(CAD)		ECOM (SMJ)	NPTEL(PST)		LAB5-DBMS (LAB1-ASB)		
Tuesday	SYMCA	CG (CAD)	MT (RVM)	1.00-1.30 pm R E C E S S	CSC (PST)	DBMS (ASB)	3.30-3.45 pm R E C E S S	CSC(B1-LAB1-PST) + MT(B2-LAB2-RVM)	4.45-5.45pm	
	FYMCA	DBMS (ASB)	NPTEL (SMJ)		DS (RVM)	OS(CAD)		LAB6-(LAB1-ASB)-LIN		
Wednesday	SYMCA	CG (CAD)	Technicals T&P (LSB)	1.00-1.30 pm R E C E S S	ECOM (SMJ)	CSC (PST)	3.30-3.45 pm R E C E S S	SEMINAR(B1,B2)- All staff	4.45-5.45pm	
	FYMCA	ECOM (SMJ)	DBMS (ASB)		OS(CAD)	NPTEL(SMJ)		LAB6-(LAB1-PST)WIN		
Thursday	SYMCA	DBMS (ASB)	CSC (PST)	1.00-1.30 pm R E C E S S	ECOM (SMJ)	MT (RVM)	3.30-3.45 pm R E C E S S	DBMS(B2-LAB1-ASB) + ECOM(B1-LAB2-SMJ)	4.45-5.45pm	
	FYMCA	ECOM (SMJ)	DBMS (ASB)		OS(CAD)	NPTEL(PST)		LAB4-DS(LAB4-RVM)		
Friday	SYMCA	Group Discussion (PC)	DBMS (ASB)	1.00-1.30 pm R E C E S S	CSC (PST)	CG (CAD)	3.30-3.45 pm R E C E S S	CSC(B2-LAB1-PST) + MT(B1-LAB1-RVM)	4.45-5.45pm	
	FYMCA	NPTEL(CAD)	NPTEL(CAD)		ECOM (SMJ)	DS (RVM)		PROJECT (all staff)		
Saturday	Class/Time	8.30-9.30 am	9.30-10.30 am	10.30 - 11.00am	11.00-12.00 pm	12.00-1.00pm		1.00-2.00pm		
	SYMCA	MT (RVM)	CG (CAD)	ECOM (SMJ)	ECOM (SMJ)	Technicals T&P (PST)		COUNSELLING / Library		

SYMCA		DBMS (ASB)		DS (RVM)		NPTEL (CAD)		COUNSELLING/ Library	
THEORY									
SYMCA					FYMCA				
Subject	Name of Staff	Subject	Name of Staff	Subject	Name of Staff	Subject	Name of Staff	Lab	
DBMS	Prof Aparna Bhande	DS	Prof Rachan Mahule	DS (RVM)	Prof Rachan Mahule	NPTEL (CAD)	Dr Chitra Dhawale	Web Tech Lab	
CSC	Prof Prashant Thombare	OS	Dr Chitra Dhawale	DBMS	Prof Aparna Bhande		Prof Sandeep Jadhav	Computer Centre	
MT	Prof Rachan Mahule	DBMS	Prof Sandeep Jadhav	ECOM	Prof Sandeep Jadhav		Dr Chitra Dhawale		
ECOM	Prof Sandeep Jadhav								
CG	Dr Chitra Dhawale								
PRACTICALS									
SYMCA					FYMCA				
Subject	Name of Staff	Lab	Subject	Name of Staff	Lab	Subject	Name of Staff	Lab	
DBMS - B1,B2	Prof A S Bhande	Computer Centre	LAB4-DS	Prof R V Mahule	Web Tech Lab				
CSC - B1,B2	Prof P Thombare	Computer Centre	LAB5-DBMS	Prof A S Bhande	Computer Centre				
MT - B1,B2	Prof Rachan Mahule	Computer Centre	LAB6-WIN	Prof P S Thombare	Web Tech Lab				
ECOM - B1,B2	Prof Sandeep Jadhav	Computer Centre	LAB6-LIN	Prof A.S Bhande					
Seminar B1,B2	All staff	Computer Centre	Project	All Staff	Web Tech Lab				

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(Prof. A. S. Bhande)
Time Table I/C


(Prof. A.S. Bhande)
Head of the Department


(Prof. P. R. Pote (Patil))
Principal

P. R. Pote (Patil) College of Engineering and Management, Amravati
Department of Mechanical Engineering
Master Time Table Odd 2019-20

19-20

Semester: III, V, & VII

Effective from: 15/07/2019

Day	Time Year	Div	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	II Year	A	M-III(I)/ET(II)	MP-I	M1-FP-I; M2-CAD; M3-MP-I		MOM	ET(I)/M-III(II)
		B	MP-I	MIII(I)/Lib(II)	MOM	ET	FP-I	Lib(I)/M-III(II)
	III Year	A	M1-TOM-I; M2-CSA-I; M3-HT		TOM-I(I)/HT(II)	HT(I)/TOM-(II)	Apti Class	IE
		B	MS	TOM(I)/HT(II)	IE	HT(I)/TOM(II)	M1-TOM-I; M2-PT; M3-HT	
	Final Year	A	IMC	EC-II	MDD-II	TE	M1-AE; M2-EC-II; M3-TE	
		B	M1-AE; M2-EC-II; M3-Mech		EC-II	Mech	AE	Apti Class
Tuesday	II Year	A	M1-MOM; M2-MP; M3-CAD		M-III	ET	FP-I	MINI PROJECT
		B	M-III	MP-I	M1-FP-I; M2-MOM; M3-MP		ET	MINI PROJECT
	III Year	A	TOM-I	HT	MS	PT	M1-HT; M2-TOM; M3-MS	
		B	M1-PT; M2-TOM-I; M3-MS		PT	HT	TOM-I	Apti class
	Final Year	A	TE	AE(II)/IMC(I)	EC-II	AE(I)/IMC(II)	M1-TE; M2-MDD-II; M3-EC-II	
		B	AE	EC-II	IMC	MDD-II	Lib	Apti Class
Wednesday	II Year	A	MP-I	ET	M1-CAD; M2-MOM; M3-FP-I		MOM	Counseling
		B	FP-I	MOM	M-III	MP-I	M1-MP-I; M2-CAD; M3-FP-I	
	III Year	A	M1-CSA-I; M2-PT; M3-TOM-I		MS	IE	HT	Counseling
		B	MS	IE	TOM-I	PT	HT	Counseling
	Final Year	A	EC-II	TE(I)/Lib(II)	IMC	MDD-II	Lib(I)/TE(II)	Counseling
		B	EC-II	MDD-II	IMC	Mech	M1-Mech; M2-MDD-II; M3-EC-II	
Thursday	II Year	A	MOM(I)/LIB(II)	MP-I	M-III	FP-I	ET	Lib(I)/MOM(II)
		B	FP-I	ET(I)/MOM(II)	MP-I	MOM(I)/ET(II)	M1-MOM; M2-MP; M3-CAD	
	III Year	A	M1-PT; M2-MS; M3-CSA-I		TOM-I	IE	HT	PT
		B	IE	Apti Class	M1-CSA-I; M2-MS; M3-TOM-I		HT	MS
	Final Year	A	MDD-II	AE	IMC	EC-II	PROJECT & SEMINAR	
		B	IMC	EC-II(I)/Mech(II)	Mech(I)/EC-II(II)	MDD-II	PROJECT & SEMINAR	
Friday	II Year	A	ET	MOM	M-III	MP-I	FP-I	EVS
		B	M-III	FP-I	M1-CAD; M2FP-I; M3-MOM		ET	Counseling
	III Year	A	TOMI	Apti Class	M1-MS; M2-HT; M3-PT		MS	PT
		B	MS	HT	PT	TOM-I	M1-MS; M2-HT; M3-CSA-I	
	Final Year	A	IMC	TE	AE	EC-II	M1-MDD-II; M2-TE; M3-AE	
		B	M1-EC-II; M2-AE; M3-MDD-II		AE	MDD-II	Mech	Counseling
Saturday	Time Year		08:30 - 09:30	09:30 - 10:30	11:00 - 12:00	12:00 - 01:00		
	II Year	A	FP-I	M-III	M1-MP-I; M2-FP-I; M3-MOM			
		B	EVS	MOM	M-III	ET		
	III Year	A	MS	PT	TOM-I	HT		
		B	M1-HT; M2-CSA-I; M3-PT		TOM-I	PT		
	Final Year	A	M1-EC-II; M2-AE; M3-MDD-II		MDD-II	AE		
B		IMC	AE	M1-MDD-II; M2-Mech; M3-AE				

1:00-1:30 RECESS

2:30-3:40 RECESS

10:30-11:00 RECESS

Theory

Second year (SM-I)		Third Year (TM-I)		Final Year (FM-I)	
Subject	Name of the Staff	Subject	Name of the Staff	Subject	Name of the Staff
M-III	Prof. S. Khan	PT	Prof. S. S. Mendhe	MDD-II	Prof. S. G. Dalu
MOM	Dr. P. S. Ardak	HT	Prof. S. P. Yeole	EC-II	Prof. N. Raja
FP-I	Prof. G. S. Mahalle	MS	Prof. S. A. Garud	IMC	Prof. P. K. Shivankar
ET	Prof. K. N. Kariya	TOM-I	Prof. P. S. Ardak	AE	Prof. M. G. Walecha
MP-I	Prof. S. G. Dalu	IE	Prof. R. K. Kulkarni	TE	Prof. R. K. Kulkarni
EVS	Prof. Dhanbar				

Practical

Second year (SM-I)		Third Year (TM-I)		Final Year (FM-I)	
Subject	Name of the Staff	Subject	Name of the Staff	Subject	Name of the Staff
MOM (Lab)	Prof. N. Raja	PT (Lab)	Prof. S. S. Mendhe	MDD-II (Lab)	Prof. S. G. Dalu
FP-I (Lab)	Prof. G. S. Mahalle	HT (Lab)	Prof. V. G. Gore	EC-II (Lab)	Prof. N. Raja
MP-I (Lab)	Prof. S. S. Mendhe	MS (Lab)	Prof. S. A. Garud	AE (Lab)	Prof. M. G. Walecha
CAD (Lab)	Prof. A. S. Shaikh	TOM (Lab)	Dr. P. S. Ardak	TE (Lab)	Prof. R. K. Kulkarni
		CSA-I (Lab)	Prof. S. J. Deshmukh		

Theory

Second year (SM-II)		Third Year (TM-II)		Final Year (FM-II)	
Subject	Name of the Staff	Subject	Name of the Staff	Subject	Name of the Staff
M-III	Prof. J. S. Wath	PT	Prof. S. J. Deshmukh	MDD-II	Prof. A. S. Shaikh
MOM	Prof. P. K. Shivankar	HT	Prof. V. G. Gore	EC-II	Prof. G. S. Mahalle
FP-I	Prof. S. P. Yeole	MS	Dr. S. M. Tondare	IMC	Dr. S. M. Tondare
ET	Prof. P. B. Ingle	TOM-I	Prof. K. N. Kariya	AE	Prof. R. S. Pokale
MP-I	Prof. S. A. Garud	IE	Prof. R. S. Pokale	Mech	Prof. D. K. Chavan
EVS	Prof. Dhanbar				

Practical

Second year (SM-II)		Third Year (TM-II)		Final Year (FM-II)	
Subject	Name of the Staff	Subject	Name of the Staff	Subject	Name of the Staff
MOM (Lab)	Prof. P. K. Shivankar	PT (Lab)	Prof. S. J. Deshmukh	MDD-II (Lab)	Prof. A. S. Shaikh
FP-I (Lab)	Prof. M. G. Walecha	HT (Lab)	Prof. V. G. Gore	EC-II (Lab)	Prof. P. B. Ingle
MP-I (Lab)	Prof. P. B. Ingle	MS (Lab)	Dr. S. M. Tondare	AE (Lab)	Prof. R. S. Pokale
CAD (Lab)	Prof. D. K. Chavan	TOM (Lab)	Prof. K. N. Kariya	Mech (Lab)	Prof. D. K. Chavan
		CSA-I (Lab)	Prof. S. P. Yeole		

Time Table I/C

HoD

Principal

P. R. Pote (Patil) College of Engineering and Management Amravati
Department of Mechanical Engineering
Master Time Table summer 2019-20

Semester:IV, VI, &VIII

Effective from: 03/02/2020

Time Year	Div	11:00-12:00		12:00-1:00		1:30-2:30		2:30-3:30		3:40-4:40		4:40-5:40					
		II Year	A	EM		MP-II		CAD-M1; BEDC-M2; MD&D-M3									
B	EM		EC-I(1)/BEDC(2)		MDD-I		BEDC(1)/EC-I(2)				EVS		EC-I				
III Year	A	TOM-II(1)/FP-(2)		CSE		TOM-II-M1; CS-M2; FP-II-M3											
	B	FP-II		TOM-II(1)/FP-II(2)		FP-II(1)/TOM-II(2)		CSA-II				RES		CS			
Final Year	A	AE		ICE		RAC-M1; ORT-M2; IC-M3											
	B	RAC-M1; ORT-M2; IC-M3				AE		ICE				Library		Library			
II Year	A	MP-II		BEDC(1)/EC-I(2)		EM		EC-I(1)/BEDC(2)				EC-I-M1; MD&D-M2; BEDC-M3		EC-I		EV-	
	B	EM		MP-II		EM-M1; MP-II -M2; MDD-M3						Soft Skill		Mini Project			
III Year	A	CSA-II		FP-II		TOM-II		CSE				CSA-II-M1; FP-II-M2; CS-M3		PROJECT			
	B	FP-II		TOM-II		RES		CSE				PROJECT		PROJECT			
Final Year	A	RAC		ORT		AE		ICE				PROJECT		PROJECT			
	B	AE		ICE		ORT		RAC				EM		BEDC			
II Year	A	EC-I		MDD-I		MD&D-M1; EM-M2; MPII -M3						CAD-M1; BEDC -M2; EM -M3		TOM-II		CS	
	B	EM		MP-II		EC-I		BEDC				CS		FP-II			
III Year	A	RES		CSA-II		CS-M1; TOM-II-M2; CSA-II-M3						IC-M1; RAC-M2; ORT-M3		TECH APTI			
	B	CS-M1; TOM-II-M2; CSA-II-M3				CSE		TOM-II				EM-M1; MP-II -M2; EC-I-M3		MP-II		MDD-I	
Final Year	A	ICE		RAC		ORT		AE				FP-II-M1; CSA-II-M2; TOM-II-M3		CS		CSA-II	
	B	ICE-M1; RAC-M2; ORT-M3				RAC		ORT				PROJECT		PROJECT			
II Year	A	MDD-I		BEDC		MP-II		EC-I				BEDC		MDD-I			
	B	EM		BEDC		BEDC -M1; EM-M2; EC-I-M3						BEDC		EM			
III Year	A	TOM-II		CSA-II		FP-II		Appt. Training				CSA-II-M1; FP-II-M2; CS-M3		Soft Skill		Mini Project	
	B	TOM-II-M1 CSA-II-M2; FP-II-M3				RES		Appt. Training				PROJECT		PROJECT			
Final Year	A	ICE		RAC		ORT		AE				PROJECT		PROJECT			
	B	ICE		AE		ORT-M1; IC-M2; RAC-M3						PROJECT		PROJECT			
II Year	A	EM		EC-I		BEDC M1; CAD-M2; EM-M3						BEDC		MDD-I			
	B	EC-I-M1; MD&D-M2; CAD-M3				EC-I		MDD-I				BEDC		EM			
III Year	A	FP-II		FP-II		CSE		Appt. Training				CSA-II-M1; FP-II-M2; CS-M3		PROJECT			
	B	CSE		TOM-II		RES		Appt. Training				PROJECT		PROJECT			
Final Year	A	ORT-M1; IC-M2; RAC-M3				RAC		ORT				PROJECT		PROJECT			
	B	RAC		ORT		ICE		AE				PROJECT		PROJECT			
II Year	A	8:30-9:30		9:30-10:30		11:00-12:00		12:00-01:00		01:00 - 01:30							
	B	MP-II-M1; EC-I-M2; CAD-M3				MP-II		Appt. Training									
III Year	A	Appt. Training		EC-I		MP-II-M1; EC-I-M2; BEDC-M3				Counseling							
	B	FP-II		CSE		TOM-II		RES									
Final Year	A	CSE		TOM-II		FP-II		TOM-II									
	B	RAC		AE		TECH APTI											
Final Year	A	RAC		ORT		TECH APTI											
	B	RAC		ORT		TECH APTI											

Theory

Second year (SM-I)		Third Year (TM-I)		Final Year (FM-I)	
Subject	Name of the Staff	Subject	Name of the Staff	Subject	Name of the Staff
EC-I	Prof. K. N. Kariya	TOM-II	Prof. A. S. Shaikh	ORT	Dr. S. M. Tondare
MP-II	Prof. S. S. Mendhe	FP-II	Prof. G. S. Mahalle	RAC	Prof. V. G. Gore
MD&D	Prof. R. S. Pokle	CSE	Prof. P. K. Shivankar	AE	Prof. S. J. Deshmukh
EM	Prof. S. G. Dalu	CSA-II	Prof. A. S. Kapse	ICE	Prof. S. P. Yeole
BEDC	Prof. P. J. Kotak	COMM.SKILL	Prof. Raut		
EVS		RES	Prof. S. A. Garud		

Practical


Second year (SM-I)		Third Year (TM-I)		Final Year (FM-I)	
Subject	Name of the Staff	Subject	Name of the Staff	Subject	Name of the Staff
✓ CAD	Prof. S. J. Deshmukh	TOM-II	Prof. A. S. Shaikh	RAC	Prof. V. G. Gore
EC-I	Prof. K. N. Kariya Prof. N. N. Raja	FP-II	Prof. G. S. Mahalle	ICE	Prof. S. P. Yeole
MD&D	Prof. R. S. Pokle	CSA-II	Prof. Bhattad	ORT	Dr. S. M. Tondare
EM	Prof. S. G. Dalu	COMM.SKILL	Prof. S. Sonkhaskar		
BEDC	Prof. A. D. Tekale				
MP-II	Prof. S. S. Mendhe				

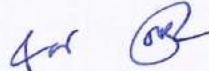
Theory

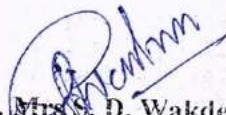
Second year (SM-II)		Third Year (TM-II)		Final Year (FM-II)	
Subject	Name of the Staff	Subject	Name of the Staff	Subject	Name of the Staff
EC-I	Prof. P. B. Ingle	TOM-II	Prof. P. K. Shivankar	ORT	Prof. R. K. Kulkarni
MP-II	Prof. R. K. Kulkarni	FP-II	Prof. K. N. Kariya	RAC	Prof. N. N. Raja
MD&D	Prof. M. G. Walecha	CSE	Dr. P. S. Ardak	AE	Prof. S. A. Garud
EM	Prof. S. J. Deshmukh	CSA-II	Prof. L. S. Bhattad	ICE	Prof. D. K. Chavhan
BEDC	Prof. M. Warudkar	COMM.SKILL	Prof. Raut		
EVS		RES	Prof. S. P. Yeole		

Practical

Second year (SM-II)		Third Year (TM-II)		Final Year (FM-II)	
Subject	Name of the Staff	Subject	Name of the Staff	Subject	Name of the Staff
✓ CAD	Prof. R. S. Pokale	TOM-II	Prof. P. K. Shivankar	RAC	Prof. N. N. Raja
			Dr. P. S. Ardak		
EC-I	Prof. P. B. Ingle	FP-II	Prof. G. S. Mahalle	ICE	Prof. D. K. Chavhan
MD&D	Prof. M. G. Walecha	CSA-II	Dr. S. M. Tondare	ORT	Prof. R. K. Kulkarni
EM	Prof. S. A. Garud		Prof. Z. I. Khan		
BEDC	Prof. M. Warudkar	COMM.SKILL	Prof. S. Sonkhaskar		
MP-II	Prof. S. S. Mendhe				
	Prof. S. G. Dalu				


 (Prof. G. S. Mahalle)
 Time Table I/C


 (Dr. P. S. Ardak)
 H.O.D


 (Dr. Mrs. D. Wakde)
 Principal

Content

1.2.1

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NAAC Criteria-1

AQAR 2019 - 20

List of Supporting Documents

Item No.	Content
1.2.1	New programmes /course introduced during the Academic year

SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE
Official Publication of Sant Gadge Baba Amravati University

Notification No. 80/2019 (Implementation of revised Syllabi prescribed for Sem. VII & VIII B.E. (Electronics & Telecommunication Engg.) (CGS) for the session 2019-2020 & onwards)

NOTIFICATION

No. 80 /2019

Date : 26 /07/2019

Subject :- Implementation of revised Syllabi prescribed for Sem. VII & VIII B.E. (Electronics & Telecommunication Engg.) (CGS) for the session 2019-2020 & onwards.

It is notified for general information of all concerned that the authorities of the University has accepted the revised syllabi of Semester VII & VIII B.E. (Electronics & Telecommunication Engg.) (CGS) from the session 2019-2020 and onwards as per **Appendix A** given below:-

Sd/-
(Dr.H.R.Deshmukh)
I/c. Registrar
Sant Gadge Baba Amravati University

Semester : Seventh													
Sr. No.	Subject Code	Subject	TEACHING SCHEME				EXAMINATION SCHEME						
			HOURS / WEEK		CREDITS	Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	PRACTICAL		
			Lecture	Tutorial							P/D	Total	Max. Marks
THEORY													
01	7ET1	VLSI Design	4	1	5	3	80	20	100	40	--	--	--
02	7ET2	Digital Image Processing	4	--	4	3	80	20	100	40	--	--	--
03	7ET3	Satellite & Optical Fiber Communication	4	--	4	3	80	20	100	40	--	--	--
04	7ET4	Industrial Management & Quality Control	4	--	4	3	80	20	100	40	--	--	--
05	7ET5	Professional Elective-I	4	--	4	3	80	20	100	40	--	--	--
PRACTICALS / DRAWING / DESIGN													
06	7ETp6	VLSI Design Lab	--	--	2	2	--	--	--	--	25	25	50
07	7ETp7	Skill Development Lab-V (Signal & Image Processing)	2	--	4	2	--	--	--	--	50	50	100
08	7ETp8	Project	--	--	2	2	--	--	--	--	--	--	--
09	7ETp9	Seminar	--	--	2	2	--	--	--	--	50	50	50
Total			22	1	8	31	26	500	500	200	200	200	700

Professional Elective-I:

1. Computer Organization
2. PLC & Automation
3. Smart Sensor
4. Fuzzy Logic & Artificial Neural Network
5. Speech Processing
6. RF Modeling & Antenna


H.O.D. (EXTC Dept.)

P.R. Power III College of Engg. & Technology
 Avadi

19/10/20
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Subject (Th): 7ET1- VLSI DESIGN

<p>Course Prerequisites:</p> <ol style="list-style-type: none"> 1. (3ET3) Electronic Devices & Circuits. 2. (4ET4) Digital Electronics.
<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. To study CMOS transistor theory and performance parameters. 2. To learn design of digital VLSI circuits, computer aided simulation and synthesis tools on programmable chips (FPGA/CPLD) using Verilog HDL. 3. To be aware of manufacturing process in VLSI technology. 4. To study layout design rules for size & power optimization.
<p>Course Outcomes:</p> <p>After successfully completing the course, the students will be able to:</p> <ol style="list-style-type: none"> 1. Gain knowledge about the trends in VLSI semiconductor technology and it's impacts on scaling and performance. 2. Draw Layout, Stick diagrams of simple CMOS Circuits 3. Understand Front & Back end design aspects of simple VLSI Digital circuits 4. Model digital circuits with Verilog HDL, simulate, synthesize and prototype in PLDs.

	Subject: VLSI DESIGN	L
Unit-1	CMOS Circuit Design-I: MOS structure capacitance, channel capacitance, junction capacitance, MOS Transistor Switches, CMOS Logic gates, CMOS Inverter-DC Characteristics, CMOS combinational logic design. Delays: RC delay model. Linear delay model, Logical effort. Parasitic delay. Delay in a logic gate. Path logical efforts. [T1, T2, R1]	09
Unit-2	CMOS Circuit Design-II: Clocked Latch and Flip-Flop Circuits, CMOS Transmission Gates (Pass Gates), Static Read-Write Memory (SRAM) Circuits, Dynamic Read-Write Memory (DRAM) Circuits. Review of basic features of CPLD & FPGA architecture. [T1, T2, R1]	09
Unit-3	CMOS Technology & Design Rules: CMOS fabrication processing steps, p-well CMOS Process, n-well CMOS Process, Twin well process, Silicon-on-Insulator Process, CMOS Process enhancements –interconnect, circuit elements. CMOS Lambda-based Design Rules, Stick Diagrams, Physical layout of simple CMOS logic gates. [T1, T2, R2, R3, R6]	08
Unit-4	VLSI Clocking & Low Power CMOS Circuits: Clock skew, Clock distribution techniques, clock jitter. CMOS clocking styles, Clock generation, stabilization and distribution.. Various components of power dissipation in CMOS, Architectures for low power, Limits on low power design through voltage scaling. [T1, T4, R1]	06
Unit-5	Digital System Design using Verilog HDL-1: VLSI Design Flow, module, ports, Data types, compiler directives, operators. Propagation delay(Inertial and Transport). Gate-Level Modeling, dataflow modeling, structural modeling, using combinational and sequential circuits examples. [T3, R4, R5]	08
Unit-6	Digital system design using Verilog HDL-2 : Behavioral Modeling, initial and always statement, procedural assignment, Timing controls, conditional statement, loops, sequential and parallel blocks, Generate blocks, task and functions, Procedural continuous assignments, overriding parameters, Test bench, using combinational and sequential circuits and state machines examples. [T3, R4, R5]	08
	Total	48

Text Books:

1. S. M. Kang and Y. Leblebici, "CMOS Digital Integrated Circuits : Analysis and Design". Third Edition, MH, 2002.
2. Neil H. Weste, D. Harris. "Principles of CMOS VLSI design A Circuit & System Perspective", 4th Edition, Pearson(Addison-Wesley), 2011.
3. Samir Palnitkar, "Verilog HDL: A guide to Design and Synthesis", 2nd edition, Prentice Hall PTR, 2003.
4. Wayne Wolfe. "Modern VLSI Design: IP based Approach". 4th Edition. PHI.

Reference Books:

1. Jan M. Rabaey, A. Chandrakasan, B. Nikolic. "Digital Integrated Circuits: A Design Perspective". 2nd edition, Pearson.
2. S.K. Ghandhi, "VLSI Fabrication Principles", John Wiley Inc., New York, 1994 (2nd Edition).
3. Plummer, Deal, Griffin, "Silicon VLSI Technology: Fundamentals, Practice & Modeling" PH, 2001.
4. Michael Ciletti, "Advance digital design with the Verilog HDL", Pearson publication.
5. Navabi Z., "Verilog Digital System Design", McGraw-Hill Publishing, New York, 1999.
6. S.M. Sze (Ed), "VLSI Technology", McGraw Hill.

Subject (Th): 7ET2- DIGITAL IMAGE PROCESSING

<p>Course Requisite:</p> <ol style="list-style-type: none"> 1. (4ET1) Signals and Systems. 2. (6ET4) Digital Signal Processing.
<p>Course Objectives:</p> <p>To understand and gain complete knowledge about :</p> <ol style="list-style-type: none"> 1. The fundamentals of digital image processing 2. Image transform used in digital image processing 3. Image enhancement techniques used in digital image processing 4. Image restoration techniques and methods used in digital image processing 5. Image compression and Segmentation used in digital image processing.
<p>Course Outcomes:</p> <p>On completion of this module the student will be able to:</p> <ol style="list-style-type: none"> 1. Analyze general terminology of digital image processing. 2. Examine various types of images, intensity transformations and spatial filtering. 3. Develop Fourier transform for image processing in frequency domain. 4. Evaluate the methodologies for image segmentation, Compression and restoration etc. 5. Implement image process and analysis algorithms. 6. Apply image processing algorithms in practical applications.

	Subject: DIGITAL IMAGE PROCESSING	L
Unit-1	Introduction to digital image processing: Digital Image Fundamental, Elements of Visual Perception, Simple Image Model, Sampling and Quantization, Basic Relationships between Pixel Imaging Geometry, Gray scale image representation.	09
Unit-2	Image Transforms: Introduction to the Fourier Transform, DFT, Properties of Two Dimensional Fourier Transform, FFT, Hadamard, Harr, DCT, Slant Transform.	09
Unit-3	Image Enhancement: Basic Techniques, Enhancement by point processing, Spatial Filtering, Enhancement in Frequency domain, histogram based processing, homomorphic filtering.	09
Unit-4	Image Restoration: Degradation model, Diagonalisation concept, Algebraic approach to Restoration, Inverse filtering, Weiner (CNS) filtering Restoration in Spatial domain, Basic morphological concept, morphological principles, binary morphology, Basic concepts of erosion and dilation.	08
Unit-5	Image Compression: Fundamentals, Image compression models, Elements of Information theory, Lossy and predictive methods, vector quantization, runlength coding, Huffman coding, and lossless compression, compression standards.	09
Unit-6	Image Segmentation: Detection of discontinuities, Edge Linking and boundary detection, Thresholding, Regional oriented Segmentation.	08
	Total	52

<p>Text Books:</p> <ol style="list-style-type: none"> 1. Gonzalez and Woods, "Digital Image Processing", Addison / Wesley. 2. A. K. Jain, "Digital Image Processing", PHI.
<p>References:</p> <ol style="list-style-type: none"> 1. Sanjay Sharma, "Digital Image Processing", S. K. Katariya & Sons, New Delhi. 2. William K. Pratt, "Digital Image Processing", 3rd ed., John Wiley and Sons Publications.

Subject (Th): 7ET3- SATELLITE AND FIBER OPTIC COMMUNICATION

Course Requisite:		
<ol style="list-style-type: none"> (4ET5) Communication Engineering- I. (5ET4) Communication Engineering- II. (6ET3) Digital Communication. 		
Course Objectives:		
<ol style="list-style-type: none"> To understand basics of orbital mechanism, the types of satellite orbits and orbital aspects of satellite communication. To understand the various services of satellite. To introduce and understand optical fiber communication system. To understand and elaborate different components of fibre optic communication system 		
Course Outcomes:		
Upon successful completion of this course, the student will be able to:		
<ol style="list-style-type: none"> Understand orbital aspects of satellite communication. Know orbital effects in communication system performance. Elaborate the satellite link model. Describe satellite services; VSAT, GPS. Understand functioning of optical sources and detectors. Describe optical fiber communication system and its performance measures. 		
	Subject: SATELLITE AND FIBER OPTIC COMMUNICATION	L
Unit-1	Introduction: Satellite frequency bands, Satellite types-LEO, MEO, GEO, HEO, Kepler's laws, Satellite orbits, Geo-stationary Satellite, Orbital Aspects of Satellite Communication: Orbital period and velocity, Effect of orbital inclination, Azimuth and Elevation, Converge angle and Slant range, Orbit determination, Orbital effect in communication system performance. [T1,R3]	08
Unit-2	Satellite Channels: Electromagnetic field propagation, Atmospheric losses, Receiver noise, Carrier to Noise ratio, Satellite system link model: Uplink, Downlink, Cross link, Transponder, Satellite system parameters, Satellite link analysis, Frequency reuse and depolarization. [R3]	08
Unit-3	Satellite Services: Very Small Aperture Satellite (VSAT): Overview of VSAT system, Network architecture, Access control protocols, Signal format, Modulation coding and interference issues, VSAT antennas, Transmitter and Receiver, Link analysis for VSAT network, Satellite Navigation and Global Positioning System (GPS): Radio and Satellite navigation, Position, Location in GPS, GPS receivers and codes, GPS navigation message and signal levels, Timing accuracy, GPS receiver operation, Differential GPS. [T1]	08
Unit-4	Optical Fiber Communication System: Basic optical laws and definitions, Optical fiber modes and configurations, N.A. Attenuation: Units, absorption, scattering losses radioactive losses, core and cladding losses, Material dispersion, wave guide dispersion, intermodal dispersion. [T2,R1]	08
Unit-5	Optical Sources: Light Emitting Diodes: Structure, Light source materials, Laser Diodes: Structure, threshold conditions, Modulations of laser diodes, Light source linearity, reliability considerations. [T2,R1]	08
Unit-6	Optical Detectors: Physical principles of photodiodes, Photo detector noise, Detectors response time, Avalanche multiplication noise, Temperature effect on avalanche gain. [T2,R1]	08
	Total	48

Text Books:
<ol style="list-style-type: none"> Pratt Timothy and Bostian W.Charles, "Satellite Communication", Willey Int. Pub., New York. G. Keiser, "Optical Fibre Communication", McGraw Hill International.

References:

1. Seniors J. M. "Optical Fibre Communication and Applications". Prentice Hall of India Pvt. Ltd., New Delhi.
2. Dennis Roddy. "Satellite Communication", McGraw Hill Int. New York.
3. Robert M Gagliardi. "Satellite Communication", CBS Pub.
4. Anil K, Maini and Varsha Agrawal, "Satellite Communication". Wiley pub.

Subject (Th): 7ET4- INDUSTRIAL MANAGEMENT AND QUALITY CONTROL

<p>Course requisites:</p> <ol style="list-style-type: none"> 1. (6ET6) Communication Skills.
<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. To understand management, administration and organization in terms of principles and functions. 2. To interpret marketing, materials, production, finance and personnel management. 3. To understand project report, concept of budget and their components. 4. To study concept of quality, business ethics and analyze various quality control techniques.
<p>Course Outcomes:</p> <p>After completing the course, the students will be able to:</p> <ol style="list-style-type: none"> 1. Practice the fundamental principles and functions of business management. 2. Recognize and apply knowledge of marketing and materials management. 3. Interpret and evaluate personnel management and evaluation methods of job rating. 4. Evaluate balance sheet, costing and budgetary aspects, project report, profit and loss statement and ratio analysis. 5. Identify factors controlling quality of design and conformance. 6. Apply professional ethics, Kaizen, Quality Circles, ISO-9000 series and TQM in organization.

	Subject: INDUSTRIAL MANAGEMENT AND QUALITY CONTROL	L
Unit-1	Principles and Techniques of Management : Meaning of and differences among business management, administration and organization. Principles of management, functions of management, planning, organization structure and relationships, direction, co-ordination, control, motivation, delegation and decentralization, communication, leadership and decision making.	08
Unit-2	Market and Materials Management : A) Marketing strategy, market research, consumer behavior, advertising and sales promotion, channels of distribution, pricing of products. B) Classes of material, scope of material control, scope of purchasing department, purchasing procedures, order procedures, inventory control, introduction to production planning and control, types of production, process planning.	10
Unit-3	Personnel Management : Meaning and functions of personnel management, recruitment, selection, promotion, wages and salary administration, training and development, functions and scope of trade unions in Indian industries, Welfare of labour, Problems of labour turn over & retention. Merit Rating: Job evaluation, different methods of merit ratings, wage incentives, different types of wage incentive schemes.	08
Unit-4	Project and Financial Management: A) Case studies of project report, preparation of profit and loss statement and balance sheet, ratio analysis. B) Principles of costing, cost sheet preparation, variance analysis, meaning and application of various budgets, types of budgets and their importance.	08
Unit-5	Quality Control : Concept of quality and quality control, elements of quality, factors controlling quality of design and conformance, process control, inspection planning and scheduling, 7QC (Seven Quality Control) techniques, vendor inspection, sampling inspection, sampling plans, Quality audit system.	10
Unit-6	Quality Management and Professional Ethics : Concepts and applications of Kaizen, quality circle, ISO 9000 series, just-in-time, quality planning and total quality management, elements of TQM, Quality Circles. Professional business ethics: concept, need, importance, ethical business codes and values.	08
	Total	52

Text Books:

1. O.P.Khanna. "Industrial Engineering and Management", Dhanpat Rai Publications.
2. Telsang Martand.T. "Industrial and Business Management", S.Chand Publications.
3. Anil Bhat, Arya Kumar. "Management: Principles, Processes and Practices", Oxford University Press.
4. Bharat Wakhlu, "Total Quality", S. Chand Publications.
5. Armand V. Feigenbaum. "Total Quality Control", Tata Mc-Hill Education.

References:

1. Virendra Sherlekar. S.A. Sherlekar, "Principles of Business Management", Himalaya Publishing House.
2. Bose D. Chandra. "Fundamentals of Financial Management", PHI Learning Publications.
3. Abdul Matheen. "Project Management". Laxmi Publications.

Subject (Th): (7ET5-1) COMPUTER ORGANIZATION

<p>Course Requisite:</p> <ol style="list-style-type: none"> (4ET4) Digital Electronics (5ET3) Microprocessor & Microcontroller
<p>Course Objectives:</p> <p>To understand and gain complete knowledge about:</p> <ol style="list-style-type: none"> Understand the computer components, bus interconnections and different types of memories. Learn the different types of data transfer techniques. Understand the different types of instruction formats and addressing modes. Aware of the difference between the RISC and CISC architecture. Learn the concepts of microinstruction its sequencing and execution. Understand the multiple processor organizations.
<p>Course Outcomes:</p> <p>On completion of this module the student should be able to:</p> <ol style="list-style-type: none"> Design different types of memory systems. Perform different types of floating point arithmetic operations. Design ALU as per the requirement. Understand difference between the Pentium and power PC. Design Micro-programmed control unit as per the requirement. Design multiprocessor based systems.

	Subject: COMPUTER ORGANIZATION	L
Unit-1	Computer components & functions. Interconnection structures, Bus Interconnection. PCI, Computer memory system overview. semiconductor main memory. chip logic. error correction, cache memory. elements of cache design, Associative mapping, Advanced DRAM organization, magnetic disk, RAID. CD-ROM.	09
Unit-2	External devices. I/O modules. Programmed I/O, DMA, Interrupt I/O. I/O channels & IOPs. SCSI & firewire interfaces. Operating system overview, Integer representation and arithmetic, Booths's algorithm, Floating point representation and arithmetic, Precision considerations, guard bits. rounding, quiet and signaling NaNs, denormalised numbers. Little, Big and Bi-Endian.	09
Unit-3	ALU: Machine instruction characteristics, operand types, operation types, Addressing modes, Instruction formats, CPU structure, processor organization, register organization, instruction cycle, instruction pipelining, Branch prediction.	09
Unit-4	RISC machine, Instruction Execution characteristics, Register file concept, Compiler based register optimization. RISC architecture, RISC pipelining, RISC v/s CISC, Case study SPARC, superscalar overview, Design issues in instruction level parallelism and machine parallelism, Case study of PowerPC.	08
Unit-5	Control unit operation: Micro-operations. control of the processor, Hardwired implementation. Micro-programmed control: Concepts, microinstruction sequencing and execution, Applications of microprogramming.	09
Unit-6	Multiple processor organizations, Symmetric processors, Mainframe SMP, Cache coherence and MESI protocol, clusters, Non-uniform Memory access, vector computation.	08
	Total	52

Text Books:

- William Stallings, "Computer Organization & Architecture", 5/e (Pearson Education).
- A. S. Tanenbaum, "Structured Computer Organization". 4/e, McGrawHill (ISE).

References:

- C. Hamacher, R Zaky, "Computer Organization", 5/e, McGraw Hill (ISE).
- J.P.Hayes, "Computer Architecture & Organization", 4/e, McGraw Hil (ISE).
- M.Mano & C. Kime, "Logic & Computer design fundamentals", (2 e), Pearson Education.

Subject (Th): (7ET5-2) PLC AND AUTOMATION

<p>Course Requisite:</p> <ol style="list-style-type: none"> 1. (3ET4) Instrumentation and Sensors. 2. (5ET2) Power Electronics & Drives.
<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. To understand Basic Architecture of PLC. 2. To study Different input/output peripherals and communication standards used with PLC. 3. To study Basic Instructions used for Ladder programming. 4. To develop skills to write basic PLC programs. 5. To know SCADA and its application in industrial automation.
<p>Course Outcome:</p> <p>By the end of this course, the students shall be able to:</p> <ol style="list-style-type: none"> 1. Describe working of various blocks of basic industrial automation system. 2. Interface the peripherals with PLC. 3. Develop PLC programs for various Applications. 4. Application of SCADA in industrial automation.

Subject: PLC AND AUTOMATION		L
Unit-1	<p>PLC Basic: Introduction to PLC. Need of PLC. Types of PLC. Block diagram, processor section, solid state memory. Input modules & output module (Analog, Digital, Discrete). Advantages and limitations of Automation.</p>	09
Unit-2	<p>Input/Output Devices: Mechanical switches, proximity switches, encoders, Transducer and Sensor- RTD, Thermistors, Thermocouple, Displacement, position, motion sensor, pressure, liquid level detector, fluid flow measurement, optical sensors. Relays, directional control valve, motors, stepper motors.</p>	09
Unit-3	<p>PLC Functions: Symbols of ladder diagram, Symbols of I/O Devices, PLC Timer functions, PLC Counter functions, Comparison functions, data handling functions, Bit functions, data move functions, skip & bypass IO functions.</p>	08
Unit-4	<p>PLC Programming for Electronic Application: Types of programming language, Development of ladder diagrams: Various types for ladder programming, flowchart, ladder programming for logic gates, flip-flop (JK, RS, D, T), Up down counters, ladders programming for various industrial process.</p>	08
Unit-5	<p>PLC Programming for Industrial Automation: Design and development of ladder logic diagram of DOL starter, star delta converter, forward reverse of motor, temperature control of motor, switching appliance using sensor, on delay timer, ladders programming for various industrial process.</p>	08
Unit-6	<p>SCADA: Introduction to supervisory control: Introduction, Block diagram, what is real time, scan interval, Communications in SCADA- types & methods used, Remote Terminal Unit (RTU), and Industrial Application of SCADA system.</p>	08
Total		50

<p>Text Books :</p> <ol style="list-style-type: none"> 1. "Programmable logic controllers principle and application", John W. Webb, PHI publication. 2. "Process Control Instrumentation Technology". Curtis Johnson PHI publication. 3. "SCADA supervisory control and data acquisition", Stuart A. Boyer, ISA Publication.
<p>Reference Books</p> <ol style="list-style-type: none"> 1. "PLCs & SCADA: Theory and Practice", Rajesh Mehra and Vikrant Vijay, Laxmi Publications, 2. "Programmable Logic Controllers", John R Hackworth, Pearson education 3. "Introduction to programmable logic controllers", Gary A Dunning. 4. "Mitsubishi FX programmable logic controllers Application and programming" by John Ridley

Subject (Th): 17ET5-3) SMART SENSORS

<p>Course Requisite:</p> <ol style="list-style-type: none"> 1. (3ET4) Instrumentation and Sensors 2. (5ET3) Micro Processor & Micro Controller
<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. To acquire fundamental knowledge of Smart Sensors. 2. Understand the nature of sensors, their operation & some aspects related to noise and interference. 3. Study the interfacing of different sensors with microcontroller unit (MCU). 4. Understand use of MCUs/DSPs to Increase Sensor Intelligence. 5. To identify applications of smart sensors in various fields.
<p>Course Outcomes:</p> <p>After successful completion the course, the students will be able to:</p> <ol style="list-style-type: none"> 1. Recognize different types of sensors. 2. Describe the characteristics and operation of smart sensors. 3. Interface the sensors with MCU. 4. Analyze MCUs/DSPs to improve the sensor IQ. 5. Discriminate various control techniques for smart sensors

	Subject: SMART SENSORS	L
Unit-1	Smart Sensor and the Nature of Semiconductor Sensor Output: Mechanical-Electronic Transitions in Sensing, Nature of Sensors. Integration of Micromachining and Microelectronics, Sensor Output Characteristics, Wheatstone bridge, Piezoresistivity in Silicon, Semiconductor Sensor Definitions. Static versus Dynamic Operation, Noise/Interference Aspects.	08
Unit-2	Sensing Technologies: Capacitive Sensing, Piezoelectric Sensing, Hall Effect, Chemical sensors, Improving Sensor Characteristics, Digital Output Sensors, Incremental Optical Encoders, Digital Techniques, Low-Power, Low-Voltage Sensors, combined Solution: Micromachining and Microelectronics.	09
Unit-3	Getting Sensor Information into the MCU: Amplification and Signal Conditioning, Instrumentation Amplifiers, Switched-Capacitor Amplifier, Barometer Application Circuit, 4-20 mA Signal Transmitter, Inherent Power Supply Rejection, Separate Versus Integrated Signal Conditioning, Digital Conversion, A/D Converters, Performance of A/D Converters, Implications of A/D Accuracy and Errors.	09
Unit-4	MCUs/DSPs to Increase Sensor IQ: MCU Control, MCUs for Sensor Interface Peripherals, Memory, Input/output, Onboard A/D Conversion, Power-Saving Capability, Local Voltage or Current Regulation, Modular MCU Design, DSP Control, Algorithms Versus Lookup Tables, Linearization, PWM Control, Auto zero and Auto range, Diagnostics, Indirect (Computed, Not Sensed) Versus Direct Sensing, Sensor Integration.	09
Unit-5	Control Techniques: Programmable Logic Controllers, Open Versus Closed-Loop Systems, PID Control, State Machines, Fuzzy Logic, Neural Networks, Combined Fuzzy Logic and Neural Networks, Adaptive Control, Observers for Sensing, Other Control Areas, RISC Versus CISC, Combined CISC, RISC and DSP, The Impact of Artificial Intelligence.	09
Unit-6	Transceivers, Transponders, and Telemetry: The RF Spectrum, Spread Spectrum, Wireless Data and Communications, Wireless Local Area Networks, FAX/ Modems, Wireless Zone Sensing, Optical Signal Transmission, RF Sensing Surface Acoustical Wave Devices, Radar, Remote Emissions Sensing, Remote Keyless Entry, Intelligent Transportation System, RF-ID, Telemetry, RF MEMS.	08
	Total	52

<p>Text Books:</p> <ol style="list-style-type: none"> 1. "Understanding Smart Sensors", Randy Frank, 2nd Edition, House Boston, London.
--

Subject (Th): (7ET5-4) FUZZY LOGIC AND NEURAL NETWORKS

Course Requisite :
1. (6ET2) Control Systems Engineering
Course Objectives::
1. To study fundamental concepts of Artificial Neural Network (ANN).
2. To understand various learning rules for ANN and different supervised and unsupervised learning networks.
3. To study fundamental concepts of Fuzzy Logic(FL). fuzzification and defuzzification.
4. To understand different supervised and unsupervised learning networks.
5. To learn applications of FL for pattern recognition and control.
Course Outcomes:
After successful completion the course the student will be able to:
1. Develop algorithms for supervised and unsupervised ANN.
2. Implement the ANN concepts to solve real life problems.
3. Analyze the ANN network.
4. Develop algorithms in fuzzy logic for applications such as pattern recognition.
5. Implement the fuzzy logic concepts to solve real life problems.

	Subject : FUZZY LOGIC AND NEURAL NETWORKS	L
Unit-1	Introduction: Biological Neurons and their artificial models, introduction to neural computing. Components of neuron. input and output weight. threshold. weight factors, transfer functions, concepts of supervised and unsupervised learning.	07
Unit-2	Supervised Learning: Linear separability. Single layer network. Perceptron: Training algorithm and limitations. Multilayer Network: Architecture of feed forward network. Learning rule. generalized delta rule, learning function. Error Back propagation algorithm (EBPA). Learning factors.	09
Unit-3	Unsupervised Learning: Introduction, Clustering and similarity measures. Winner Take all learning, recall mode, outstar learning rule . Self organizing map. Counter propagation networks. Recurrent associative memories: basic concepts, discrete time Hopfield network, storage and retrieval algorithm.	09
Unit-4	Introduction: Uncertainty in information, basic concepts of Fuzzy sets, operations on fuzzy sets, properties. Fuzzy relations : operations, properties. fuzzy Cartesian product and composition, tolerance and equivalence relations .	08
Unit-5	Membership functions: Features, fuzzification, membership value assignments methods: intuition, inference, rank ordering, Fuzzy Rule based systems: linguistic hedges , rulebased systems, graphical technique of inference. Defuzzification: Lambda-cuts for Fuzzy sets and Fuzzy relations, Defuzzification methods.	10
Unit-6	Fuzzy pattern Recognition: feature analysis, partitioning of feature space, single sample identification, multifeature pattern recognition. Simple Fuzzy logic controller (FLC): Assumptions in a Fuzzy control system design, simple FLC, general FLCs, simple examples.	08
	Total	51

Text Books:
1. J.M. Zurada, "Introduction to Artificial Neural Systems". Jaico Publishing House.
2. Timothy Ross, "Fuzzy Logic with Engineering Applications", McGraw Hill International Edition.
References:
1. Meherotra Kishan, Mohan C.K., Ranka Sanjay, "Elements of artificial neural networks", Penram Int. Pub., Mumbai.
2. G. J. Klir and Bo Yoan, "Fuzzy Sets and Fuzzy Logic: Theory and Applications", PHI publications.

Subject (Th): (7ET5-5) SPEECH PROCESSING.

<p>Course Requisite :</p> <ol style="list-style-type: none"> 1. (4ET1) Signals & Systems. 2. (6ET4) Digital Signal Processing.
<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. To be able to relate human physiology and anatomy with signal processing paradigms. 2. To acquire the knowledge of speech generation and speech recognition models. 3. To understand methods/techniques used in speech signal estimation & detection.
<p>Course Outcomes:</p> <p>After successfully completing the course students will be able to:</p> <ol style="list-style-type: none"> 1. Illustrate how the speech production is modeled. 2. Summarize the techniques involved in collecting the features from the speech signal in time and frequency domain. 3. Compare the techniques involved in speech and speaker detection. 4. Summarize the various speech coding techniques. 5. Apply techniques/methods used for speech enhancement and speech recognition.

	Subject : SPEECH PROCESSING	L
Unit-1	<p>Speech Production and Acoustic Phonetics: The process of speech production, Acoustic theory of speech production, Digital models of speech signals of speech signal, Articulator phonetics, Acoustic Phonetics, Co- articulation, Prosody.</p>	08
Unit-2	<p>Speech Analysis: Time and frequency domain analysis of speech. Linear predictive coding (LPC) analysis, Cepstral analysis, Speech parameter (pitch) estimation.</p>	09
Unit-3	<p>Speech Synthesis: Principles of speech synthesis, Articulatory synthesis, Formant synthesis and LPC synthesis.</p>	09
Unit-4	<p>Coding of Speech Signals: Introduction, Quantization, Speech redundancies. Time domain waveform coding, Linear predictive coding, Linear delta modulation, Adaptive delta modulation, Adaptive differential pulse code modulation. Filter bank analysis. Phase vocoders and Channel vocoders.</p>	10
Unit-5	<p>Speech Enhancement: Introduction, Nature of interfering sounds,- speech enhancement techniques, spectral subtraction and filtering, harmonic filtering, Spectral subtraction, Adaptive noise cancellation</p>	09
Unit-6	<p>Speech Recognition: Introduction, Baye's rule, Segmental feature extraction, MFCC, DTW, HMM approaches for speech recognition.</p>	07
	Total	52

Text Books:

1. "Speech Communications: Human & Machine", Douglas O'Shaughnessy, Universities Press.
2. "Digital Processing of Speech Signals", Rabiner and Schafer, Prentice Hall, 1978.

References:

1. "Discrete-Time Speech Signal Processing: Principles and Practice", Thomas F. Quatieri, Publisher: Prentice Hall.
2. "Speech and Audio Signal Processing: Processing and Perception of Speech and Music", Nelson Morgan and Ben Gold, John Wiley & Sons.
3. "Speech Analysis Synthesis and Perception", J. L. Flanagan, Second edition. Springer-Verlag (1972).
4. "Speech and Audio Signal Processing", Gold & Morgan, 1999, Wiley and Sons.

Subject (Th) - (7ET5-6) RF MODELING & ANTENNA

<p>Course Requisite :</p> <ol style="list-style-type: none"> 1. (3ET5) Electromagnetic fields. 2. (8ET1) UHF & Microwave.
<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. To impart the knowledge in modeling of RF system design. 2. To acquire knowledge of fundamental principles and techniques of antenna theory. 3. To study characteristics of different antenna types.
<p>Course Outcomes:</p> <p>After successful completion of the course the student will be able to:</p> <ol style="list-style-type: none"> 1. Acquire the concepts of active and passive components in RF domain. 2. Understand design of RF Filters. 3. Analyze the radiation mechanisms of commonly used antennas. 4. Demonstrate knowledge of antennas commonly used in Communication Engineering. 5. Discriminate antennas on the basis of their electrical characteristics.

Subject: RF MODELING & ANTENNA		L
Unit-1	Behavior of Active and Passive Components in RF range: Frequency Spectrum, hazards of Electromagnetic Radiations, and fundamentals of radio frequency design, High Frequency behavior, equivalent circuit and frequency response of resistor, capacitor, inductor, diode, BJT, and FET. Characteristics, structure and applications of coaxial line, stripline, microstrip line, and coplanar lines.	09
Unit-2	Filter Design: Analysis of infinite periodic structures terminated Periodic structures, k - β diagrams and wave velocities, Image Parameter Method: Image impedances and transfer functions for two port networks, constant- k filter sections, m -derived filter sections, and composite filters. Insertion Loss Method: Characterization by power loss ratio, maximally flat, equal ripple, and linear phase low pass filter prototype, Filter transformations: impedances, frequency scaling, and band pass and band stop, Richard's transformation, Kuroda's identity, impedance, and admittance inverters.	09
Unit-3	Fundamentals of Antenna: Conceptual understanding and radiation mechanism. Fundamental Parameters of Antennas: Radiation pattern, radiation power density, radiation intensity, beam width, directivity, antenna efficiency, gain, beam efficiency, bandwidth, input impedance, antenna radiation efficiency, antenna vector effective length and equivalent areas, maximum directivity and maximum effective areas, Friis transmission equation; antenna temperature, Vector potential A for an electric current source J , vector potential F for an magnetic current source M , electric and magnetic fields for electric J and Magnetic M current sources and concept of near and far field radiation.	10
Unit-4	Wire Antennas: Infinitesimal dipole and small dipole: Radiation field, near field, far field directivity, region separation, Finite Length dipole: Basic parameters of half wavelength dipole, folded dipole, Monopole antenna, Ground Effects, Linear elements near or on infinite perfect conductors, Loop antennas: Basic parameters.	08
Unit-5	Antenna Arrays: Linear arrays, planar arrays, and circular arrays, Array of two isotropic point sources, non-isotropic sources, Principle of pattern multiplication, Linear arrays of n elements, broadside, radiation pattern, directivity, beam width and null directions, array factor, Antenna analysis using Binomial, Dolph-Tschebyscheff, Yagi Uda antenna.	08
Unit-6	Special types of antennas: Frequency Independent Antennas: Log periodic and helical antennas Microstrip Antennas: Characteristics, applications and limitations, Reflector Antennas and Horn Antennas: Characteristics, applications and limitations.	08
Total		52

Text Books:

1. Costantine A. Balanis. "Antenna Theory Analysis And Design". John Wiley Publication
2. John D. Kraus, " Antennas". Tata McGraw Hill publication
3. David M Pozar, "Microwave Engineering", John Wielely and Sons. Inc. Hobokenh. New Jersey, Fourth Edition, 2012

References:

1. Annapurna Das and Sisir K Das. "Microwave Engineering". Tata McGraw Hill. New Delhi. Second Edition, 2009
2. Reinhold Ludwig and Pavel Bretchko, "RF Circuit Design". Pearson Education Asia.

Semester : Eight

		TEACHING SCHEME				EXAMINATION SCHEME									
Sr. No.	Subject Code	Subject	HOURS / WEEK		CREDITS	Duration Of Paper (Hr.)	Max. Marks Theory Paper	Internal Marks	Total	Min. Passing Marks	PRACTICAL				
			Lecture	Tutorial							P/D	Max. Marks	Ext.	Total	Min. Passing Marks
THEORY															
01	8ET1	UHF & Microwaves	4	--	--	4	3	80	20	100	40	--	--	--	
02	8ET2	Wireless Communication	4	--	--	4	3	80	20	100	40	--	--	--	
03	8ET3	Data Communication Network	4	--	--	4	3	80	20	100	40	--	--	--	
04	8ET4	Professional Elective-II	4	--	--	4	3	80	20	100	40	--	--	--	
PRACTICALS / DRAWING / DESIGN															
05	8ETp5	UHF & Microwaves Lab	--	--	2	2	--	--	--	--	--	25	25	50	
06	8ETp6	Skill Development Lab-VI (Networking)	2	--	2	4	--	--	--	--	--	50	50	100	
07	8ETp7	Project	--	--	4	4	--	--	--	--	--	75	75	150	
Total			18	--	8	26	--	--	--	400	--	--	--	300	700

Professional Elective-II :

1. Embedded System & RTOS
2. Automotive Electronics
3. Wireless Sensor Network
4. Biomedical Engineering
5. Data Compression & Encryption
6. Ultra Wide Band Communication

M 12
X 12
A 12

Subject (Th): SETI- UHF & MICROWAVES

<p>Course Requisite:</p> <ol style="list-style-type: none"> (3ET5) Electromagnetic fields.
<p>Course Objectives: To learn:</p> <ol style="list-style-type: none"> Basic concepts of Microwave active and passive devices. Transmission characteristic of microwave through waveguide and microstrip line. Measurement of microwave parameters.
<p>Course Outcomes:</p> <p>At the end of the course students will be able to:</p> <ol style="list-style-type: none"> Understand operations of microwave active and passive devices. Describe characteristics of microwave propagation through transmission line. Use S-parameters for characterization of microwave devices. Measure various parameters of microwave system.

	Subject: UHF & MICROWAVES	L
Unit-1	<p>Microwave Tubes:</p> <p>Introduction to microwave Engg. and applications, advantages, frequency bands, Limitation of Conventional devices at high frequency, Microwave Tubes: Two cavity. Multicavity klystron, and reflex klystron, Cylindrical Cavity Magnetron. TWT & Backward Wave Oscillator.</p>	08
Unit-2	<p>Semiconductor Microwave Devices:</p> <p>Gunn diode: RWH theory, Gunn domain. modes of Gunn oscillation, Negative resistance amplifier (principle), Parametric amplifiers: operation & types. Principle of operation of IMPATT, TRAPATT diodes, & MASER.</p>	08
Unit-3	<p>Waveguide system and Microstrip lines:</p> <p>Transmission line equation and solution. reflection and transmission coefficient, VSWR.</p> <p>Waveguides: Rectangular Wave guide, Circular Waveguide, Power losses and power handling capacity of rectangular waveguide , Attenuation in wave guides, Introduction to microstrip lines and its types, characteristic impedance, losses in microstrip lines.</p>	10
Unit-4	<p>Microwave Resonator:</p> <p>Series and parallel resonant circuits (RLC), transmission line resonators ($\lambda/2$, $\lambda/4$) open-short circuited line. Cavity resonators: rectangular and circular cavities, resonant frequency, and quality factor of resonators, Fabry-Perot resonator.</p>	08
Unit-5	<p>Microwave passive components & Scattering matrix:</p> <p>Microwave passive components, terminator, Attenuator, phase shifter, Scattering matrix formulation, Two hole directional coupler, E-plane tee, H-plane tee, Magic tee and its scattering matrix, Microwave propagation in ferrites, devices employing Faraday rotation: Isolator, Gyration & Circulator.</p>	08
Unit-6	<p>Microwave Measurements:</p> <p>Frequency Measurements, Power Measurements, Attenuation Measurements, VSWR Measurements, Impedance Measurements, insertion Loss Measurements, Dielectric constant Measurements.</p>	08
	Total	50

<p>Text Books:</p> <ol style="list-style-type: none"> Liao, Samuel Y., "Microwave Devices & Circuits", Tata Mc-Graw Hill Co. Ltd., New Delhi. David M Pozar, "Microwave Engineering" Wiley 3rd Edition. Collin, Robert E., "Foundations for Microwave Engineering", Mc- Graw Hill, New York.
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References:

1. Kennedy G., "Electronics Communication Systems", Tata Mc-Graw Hill Book Co., New Delhi..
2. K.C. Gupta, "Microwave Engineering", New Age.
3. Reich, Scolnik, Ordnung, Krangs, "Microwave Principles", PHI.
4. M.L. Sisodiya and G.S. Raghuvanshi, "Microwave Circuits and Passive devices", John Wiley & Sons Ltd.
5. Mathew M. Radmanesh, "RF and Microwave Electronics – Illustrated", Prentice Hall.

Subject (Th): SET2- WIRELESS COMMUNICATION

Course Requisite:		
<ol style="list-style-type: none"> 1. (4ET5) Communication Engineering-I. 2. (6ET3) Digital Communication. 3. (7ET2) Data Communication Network. 		
Course Objectives:		
<ol style="list-style-type: none"> 1. To understand basics of Cellular System. 2. To study the design fundamentals of cellular radio system. capacity & Coverage improvement techniques. 3. To understand mobile radio propagation mechanism and fading. 4. To understand operation of various 2nd and 3rd generation cellular systems: GSM, IS95, CDMA2000, WCDMA and LTE. 5. To study various wireless data communication networks: WiMAX, WLAN and Bluetooth. 		
Course Outcomes:		
Upon successful completion of this course, the student will be able to:		
<ol style="list-style-type: none"> 1. Illustrate the evolution of cellular mobile system and understand cellular concepts. 2. Use design fundamentals of cellular radio system. 3. Understand propagation mechanism and fading in mobile radio system. 4. Demonstrate concepts of various 2nd and 3rd generation cellular systems and wireless data communication networks. 		
	Subject (Th): WIRELESS COMMUNICATION.	L
Unit-1	Cellular Fundamentals: Evolution of Mobile Systems (1G, 2G, 3G, 4G), Cellular Concept, Cell Fundamentals, Cellular Telephone System, Timing Diagram of Call Processing in Cellular System, Channel Allocation Techniques, Hand off Strategies, Types of Hand off. [T1,T2,R1]	08
Unit-2	Cellular Radio System Design Fundamentals: Frequency Reuse, Co-channel Reuse Ratio, Co-channel Interference and System Capacity, Adjacent Channel Interference, Improving Coverage and Capacity in Cellular System: Cell Splitting, Sectoring, Repeater for Range Extension, Microcell Zone, Trunking and Grade of Services. [T1,T2, R1]	08
Unit-3	Mobile Radio Propagation Mechanism: Basic Propagation Mechanism: Reflection, Diffraction and Scattering, Small Scale Fading and Multipath: Factors Influencing Small Scale Fading, Parameters of Mobile Multipath Channel, Types of Small Scale Fading: Fading Effect Due to Multipath Time Delay Spread, Fading Effect Due to Doppler Spread. [T1]	08
Unit-4	GSM System: GSM Network Architecture, GSM Signaling Protocol Architecture, Identifiers in GSM System, GSM Channels, Frame Structure, Speech Coding, Authentication and Security, GSM Call Procedures, GSM Hand Off Procedures. [T3,T1]	08
Unit-5	CDMA Digital Cellular Standard (IS-95): Architecture of CDMA System, CDMA Air Interface, IS-95 Forward Channel, IS-95 Reverse Channel, CDMA Call Processing, Power control in CDMA System, Hand Of in CDMA, Comparison of CDMA and GSM. WCDMA/UMTS: WCDMA Air Interface, Attributes of WCDMA System, Forward WCDMA Channel, Reverse WCDMA Channel. CDMA2000: Forward and Reverse Channel, Hand Off and Power Control. [T3,T1]	08
Unit-6	3GPP Long-Term Evolution: Frequency Bands and Spectrum Flexibility, Network Structure, Protocol Structure, PHY and MAC Layer Overview, Physical Layer Procedure: Establishing a connection, Retransmission and reliability, Scheduling, Power control, Handover [T4] WiMAX /IEEE 802.16: WiMAX versus Existing Cellular System, System	08

Overview, Link Control: Establishing a connection, Scheduling and resource Request, QoS, Power Control, Handover and Mobility Support. [T4]	
Wireless Local Area Network: Wi-Fi, Advantages and Disadvantages, WLAN Topology, IEEE 802.11 standard, IEEE 802.11 Architecture and Services, IEEE 802.11 family and its Standards. [R1,R2]	
Bluetooth: Overall Architecture, Protocol Stack, Physical Connection, MAC Mechanism, Frame Formats, connection Management. [T2,R1]	
Total	48

Text Books:

1. Theodore S. Rappaport, "Wireless Communications: Principles & Practice". Second edition, Pearson Education (2002).
2. K. Pahlavan and P. Krishnamurthy, "Principles of Wireless Networks", Pearson Education Asia Publication (2002).
3. T. L. Singal, "Wireless Communication". McGraw Hill Education.
4. A. F. Molisch, "Wireless Communications". Second Edition, Wiley Publication.

References:

1. G. S. Rao, "Mobile Cellular Communication", Pearson Education.
2. Upena Dalal, "Wireless communication", Oxford University Press.
1. William CY Lee, "Mobile Cellular Telecommunications", (second edition) McGraw Hill Inc.

Subject (Tb): SET3- DATA COMMUNICATION NETWORK

<p>Course Requisite:</p> <ol style="list-style-type: none"> (5ET4) Communication Engg.-II. (6ET3) Digital Communication.
<p>Course Objectives:</p> <ol style="list-style-type: none"> To understand the general principles of network design and compare the different network topologies. To understand the general principles of switching and various routing algorithms. To acquire the knowledge of functions and protocols of OSI and TCP/IP models. To understand security issues in data network.
<p>Course Outcomes:</p> <p>After successfully completion of this course, students should be able to:</p> <ol style="list-style-type: none"> Identify different types of network devices and their functions within a network. Describe different types of network topologies and protocols. Differentiate the layers of the OSI and TCP/IP model. Understand various types of routing algorithms and concepts of IP addresses. Deal with security issues in data network.

	Subject: DATA COMMUNICATION NETWORK	L
Unit-1	<p>Data Communication Network: A brief history of Internet. Protocols and Standards, Standard Organizations, Need for Protocol Architecture, OSI Reference Model. Overview of TCP/IP architecture. Addresses in TCP/IP.</p> <p>Types of Network: LAN, MAN, WAN.</p> <p>Network connecting Devices: Hubs, Repeater, Bridges, Switches, Routers, Gateways.</p> <p>Network Topology: Mesh, Bus, Tree, Ring, Star. [T1, T3]</p>	08
Unit-2	<p>Data Link Control Protocols: Need for Flow control, Stop and Wait Flow Control, Sliding Window Flow Control, Stop and wait ARQ, Go-Back-N ARQ, Selective Repeat ARQ. Transmission efficiency of ARQ protocols.</p> <p>Multiple Access Control Protocols:</p> <p>Random Access Techniques: ALOHA, Slotted ALOHA.</p> <p>Contention Techniques: CSMA, CSMA/ CD (IEEE 802.3), CSMA/CA.</p> <p>Controlled Access Techniques: Polling, Token Passing.</p> <p>Medium Access Control Protocols: Token Bus (IEEE 802.4), Token Ring (IEEE 802.5). [T1, T2]</p>	08
Unit-3	<p>Network Layer Logical Addressing: Network layer Issues, IPV4 addresses, Class full addressing, Classless addressing (Problems expected), IPV4: Datagram, Fragmentation, Checksum, Address Resolution Protocol(ARP), IPV6 addresses, IPV6 Packet format, Comparison between IPV4 and IPV6. [T1]</p>	08
Unit-4	<p>Network Layer Routing: Alternate routing in circuit switched network, Fixed Routing, Flooding, and Random Routing in Packet Switched networks.</p> <p>Least Cost Algorithms: Dijkstra's Algorithm (Problems expected). Bellman Ford Algorithm (Problems expected).</p> <p>Traffic Control: Leaky bucket algorithm, Token bucket algorithm.</p> <p>Transport Layer: User datagram protocol (UDP), Transmission control protocol (TCP). [T1, T3]</p>	08
Unit-5	<p>Application Layer: Name Space, Domain Name System (DNS), Distribution of Name Space, DNS in the Internet, Resolution.</p> <p>Remote Login: TELNET, Electronic Mail: SMTP, POP, FTP, World Wide Web, HTTP. [T1]</p>	08
Unit-6	<p>Network Security: Security services, Message confidentiality, Message integrity, Message authentication, Digital Signature, Entity Authentication, Key Management. [T1]</p>	08
	Total	48

Text Books:

1. B. Forouzan. "Data Communications and Networking", 4th Edition. McGraw-Hill.
2. Andrew S. Tanenbaum and David J. Wetherall. "Computer Networks". 5th Edition, Pearson Education, Inc.
3. William Stallings. "Data and Computer Communication", 8th Edition, Pearson Education, Inc.

Reference Books:

1. James F. Kuross. Keith W. Ross. "Computer Networking A Top-Down Approach Featuring the Internet", Third Edition. Addison Wesley, 2004.
2. Nader F. Mir. "Computer and Communication Networks", Pearson Education, 2007.
3. Comer. "Computer Networks and Internets with Internet Applications". Fourth Edition, Pearson Education, 2003.

Subject (Th): (8ET4-1) EMBEDDED SYSTEM AND RTOS

<p>Course Requisite :</p> <ol style="list-style-type: none"> 1. (4ET4) Digital Electronics. 2. (5ET3) Microprocessor and Microcontroller.
<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. To acquaint students with knowledge of embedded processor, its hardware and software. 2. To provide skills in embedded C programming. 3. To understand real time operating systems, inter-task communication and embedded software development tools. 4. To learn concurrent system on a real-time operating system.
<p>Course Outcomes:</p> <p>After completion of the course the students will be able to:</p> <ol style="list-style-type: none"> 1. Distinguish real-time embedded systems from other systems. 2. Describe fundamentals of embedded based firmware design. 3. Evaluate the need for real-time operating system. 4. Develop real-time algorithm for task scheduling. 5. Summarize technique used for product enclosure design and development. 6. Specify, design and implement a small embedded system.

	Subject: EMBEDDED SYSTEM AND RTOS	L
Unit-1	<p>Introduction to Embedded Systems: Definition of Embedded System. Comparison between Embedded Systems and General Computing Systems, History of Embedded Systems, Classification of Embedded Systems. Purpose of Embedded System.</p> <p>Building Blocks of Embedded System: Core of the Embedded System, Memory, Sensors and Actuators, Communication Interface, Embedded firmware, PCB and Passive Components. Characteristic and Quality Attributes of Embedded Systems.</p>	09
Unit-2	<p>Hardware Software Co-Design and Program Modules: Fundamental issues in hardware software Co-Design. Computational models in Embedded Design. Introduction to UML. Hardware Software trade-Off.</p> <p>Embedded Hardware Design and Development: Analog and Digital Electronic components, VLSI and Integrated Circuit Design EDA tools.</p>	08
Unit-3	<p>Embedded Firmware Design and Development: Embedded firmware design approaches. Embedded Firmware Development languages, Programming in Embedded C.</p>	09
Unit-4	<p>RTOS based Embedded System Design: Operating System basic. Types of Operating Systems, Task, Process and Threads, Multiprocessing and Multitasking, Task Scheduling, Threads, Processes and Scheduling, Task communication and Synchronization, Device Driver, How to Choose an RTOS.</p>	10
Unit-5	<p>Integration and Testing of Embedded Hardware and Firmware: Integration of Hardware and Firmware.</p> <p>Product Enclosure Design and Development: Product Enclosure Design tools, Product Enclosure Development techniques.</p>	09
Unit-6	<p>Embedded Product Development Life Cycle: Objectives, Phases of EDLC, Modeling of EDLC,</p> <p>Design Case Studies: Digital Camera, Battery Operated Smart Card Reader.</p>	07
	Total	52

<p>Text Books:</p> <ol style="list-style-type: none"> 1. Shibu. K. V, "Introduction to Embedded Systems", Tata Mcgraw Hill,2009. 2. Frank Vahid, "Embedded System Design Unified Hardware and Software".
<p>References:</p> <ol style="list-style-type: none"> 1. Steve Heath, "Embedded System Design", Elsevier, 2005. 2. David E. Simon, "An Embedded Software Primer", Pearson Education, 2003.

Subject (Th): (8ET4-2) AUTOMOTIVE ELECTRONICS

Course Requisite: 1. (3ET4) Instrumentation and Sensors. 2. (5ET3) Microprocessor & Microcontroller. 3. (7ET2) Data Communication Network.	
Course Objectives: 1. To gain the fundamental knowledge of electrical and electronics components used for vehicle operations. 2. To study applications of sensors and actuators used in vehicle systems. 3. To understand use of microprocessors/microcontrollers in vehicle control systems. 4. To study various communication protocols used in automotive electronics. 5. To study fundamentals of diagnostics procedures of electronic systems in automobiles. 6. To gain information on modern safety system for vehicles.	
Course Outcomes: After completion of the course students will be able to: 1. Demonstrate the knowledge of automotive systems for vehicles. 2. Illustrate the use of sensors and actuators in vehicles. 3. Identify the use of microcontrollers/microprocessor for automotive applications. 4. Summarize communication protocols used in automotive electronics. 5. Use diagnostic procedures and sequence for fault finding to give corrective measures. 6. Demonstrate the knowledge of system safety in automobiles.	

Subject: AUTOMOTIVE ELECTRONICS		L
Unit-1	Automotive Systems: Introduction to modern automotive systems and need for electronics in automobiles and application areas of electronic systems in modern automobiles. Ignition systems. Fuel delivery systems, Engine control functions. Fuel control. Automotive Transmission fundamentals, Vehicle braking fundamentals. Steering Control and Steering system basics, Fundamentals of electronically controlled power steering & its types.	09
Unit-2	Automotive Sensors and Actuators: Sensors: characteristics, response, error, Redundancy of sensors in ECUs, Examples of sensors for: Accelerometers, wheel speed, brake pressure, Vehicle speed, Throttle position, Temperature, Mass air flow (MAF), Airbag system, and lambda sensor. Actuators: Solenoids, motors, and piezoelectric force generators, Relays, Automatic transmission control system.	08
Unit-3	Microcontrollers/Microprocessors in Automotive domain & ECU Design Cycle: Introduction to Microcontrollers/Microprocessors in Automotive Domain, Criteria to choose the right microcontroller/processor for various automotive applications, ECU Design Cycle: V-Model development cycle, Components of ECU, Examples of ECU on Chassis, Infotainment, Body Electronics.	09
Unit-4	Automotive Communication protocols, Infotainment systems: Overview of Automotive communication protocols: CAN, LIN, Flex Ray, MOST Ethernet, Communication interface with ECUs and with infotainment gadgets, Infotainment Systems: Application of Telematics in Automotive domain, GPS, GPRS.	09
Unit-5	Diagnostics Fundamentals, Basic wiring system and multiplex wiring system, Preliminary checks and adjustments, Self-diagnostic system. Fault finding and corrective measures, Diagnostic procedures and sequence, On board and off board diagnostics in Automobiles, OBDII.	08
Unit-6	Safety Systems in Automobiles: Active Safety Systems: ABS, TCS, ESP, Brake assist etc. Passive Safety Systems: Airbag, Advanced Driver Assistance (ADAS), Examples of assistance applications: Lane Departure Warning, Collision Warning, Automatic, Cruise Control, Pedestrian Protection, headlight Control.	09
Total		52

Text Books:

1. Tom Denton, "Automobile Electrical and Electronics Systems", 3rd Edition, Elsevier, 2004.
2. Allan Bonnick, "Automotive Computer Controlled Systems Diagnostic Tools and Techniques", Elsevier Science, 2001.
3. Tom Denton, "Advanced Automotive Fault Diagnosis", 2nd Edition, Elsevier, 2006.

References:

1. A K Babu, "Automotive Electrical and Electronics", Khanna publication, 2001.
2. Iqbal Husain, "Electric and Hybrid Vehicles: Design fundamentals", CRC Press, 2003.
3. Ronald K Jurgen, "Automotive Electronics Handbook", 2nd Edition, McGraw-Hill, 1999.
4. Terence Rybak, Mark Stefika, "Automotive Electromagnetic Compatibility (EMC)", Springer 2004.

Subject (Th): - (SET4-3) WIRELESS SENSOR NETWORK

<p>Course Requisite:</p> <ol style="list-style-type: none"> 1. (SET2) Wireless Communication 2. (7ET2) Data Communication Network
<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. To study architecture and environment for wireless sensor network. 2. To understand the mutual relationships and dependencies between different protocols and architectural decisions by offering an in-depth investigation of relevant protocol mechanisms. 3. To study principle and architecture of existing Middleware for sensor networks. 4. To understand the design issues and requirements of network management. 5. To review various sensor network platforms, operating systems for wireless sensor network.
<p>Course Outcome:</p> <p>By the end of this course, the students shall be able to:</p> <ol style="list-style-type: none"> 1. Understand wireless sensor technology and its architecture. 2. Identify and review various sensor network protocols. 3. To understand various types of Middleware used in WSN. 4. Understand the network management design issues and differentiate various operating systems used in wireless sensor network.

	Subject: WIRELESS SENSOR NETWORK	L
Unit-1	Introduction and overview of Wireless Sensor Networks, Commercial and Scientific applications of Wireless Sensor Networks, Basic Wireless Sensor Technology, Sensor Taxonomy, Wireless Network environment, Wireless Network trends	08
Unit-2	Radio technology primer, Available wireless technologies, Wireless Sensors Networks Protocols, Physical Layer, Fundamentals of Medium Access Control Protocols for Wireless Sensor Networks, MAC protocols for WSN, Case Study, IEEE 802.15 4LR WPAN, Standard case study.	08
Unit-3	Sensors Network Protocols, Data dissemination and gathering, Routing challenges and design issues in wireless sensor, Routing strategies in WSN.	08
Unit-4	Protocols: Transport control protocols for wireless sensors Networks, Traditional transport control protocol, transport protocol design issues, examples of existing transport control protocol, performance of TCP.	08
Unit-5	Middleware for Sensors Networks, WSN middleware principles, Middleware architecture, existing middleware. Network Management for wireless sensor Networks. Requirements, Design issues, Examples of management Architecture	08
Unit-6	Operating Systems for WSN: Operating System Design Issues, Examples of Operating Systems, TinyOS, Mate, MagnetOS, MANTIS, OSPM, EYES OS, SenOS, EMERALDS, PicOS. Performance and Traffic Management: Design issues, Performance Metrics and Modeling.	08
	Total	48

<p>Text Books :</p> <ol style="list-style-type: none"> 1. "Wireless sensor Networks: Technology, Protocols, and Application", Kazem Sohraby, Daniel Minoli, Taieb Znati, Wiley Interscience Publication.
<p>Reference Books :</p> <ol style="list-style-type: none"> 1. "Wireless Sensor Networks" C.S. Raghavendra, Krishna M. Sivalingam, Taieb F. Znati, Springer Edition. 2. "Computer Network", Andrew Tanenbaum, 4th ed, Pearson Education.

Subject (Th): (SET4-4) BIOMEDICAL ENGINEERING

<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. Understanding role of engineers in medical field 2. Studying various electrical signals generated in human body. 3. To study various electrodes, recorders and problems for recording biomedical signals. 4. Study different medical imaging systems. 5. Introduction to patient care & safety 6. Introduction of various life saving instruments.
<p>Course Outcome:</p> <p>By the end of this course, the students shall be able to:</p> <ol style="list-style-type: none"> 1. Understand the importance and association of engineering with medical field. 2. Understand the significance of various human signals and recording techniques. 3. Familiarize with various medical imaging systems, various life saving equipments. 4. Conceptualize patient care & safety requirements and its importance.

	Subject: BIOMEDICAL ENGINEERING	L
Unit-1	<p>Introduction to Biomedical Engineering: Physiological system of heart, Man instrument system. Sources of bioelectric potentials. Different bioelectric signals like ECG, EMG and EEG. Bio potential Electrode theory. Basic electrode, Electrodes for EEG, ECG, EMG, Biochemical electrodes. Skin contact Theory: skin contact impedance measurement of skin contact impedance, motion artifacts, Nernst Equation.</p>	09
Unit-2	<p>Biomedical Recorders and Measurement: Biomedical recorders for EEG, ECG, EMG. Measurement of Blood Pressure: Direct method, Indirect methods- The Rheographic method, Ultrasonic Doppler shift method, Square wave electromagnetic Blood flow meter. Measurement of Heart rate, Measurement of pulse rate.</p>	09
Unit-3	<p>Medical Imaging System: Instrumentation for diagnostics X-rays, X- rays basics properties, X-ray machine, Special imaging techniques. Computerized Axial Tomography (CAT). Ultrasonic imaging system: Physics of Ultrasound, Biological effect of ultrasound. Ultrasonics: A-scan, M-scan, B-scan, Real-time ultrasonic imaging systems.</p>	08
Unit-4	<p>Therapeutic Equipments: Need of Physiological and electrotherapy equipments. Cardiac pacemakers. Cardiac Defibrillators, Nerve and Muscle stimulators. Diathermy Machines: Short wave, Microwave, Ultrasonic.</p>	08
Unit-5	<p>Patient Care and Monitoring and Safety : System concepts, Bedside patient monitors, central monitors. Intensive care monitoring. Biotelemetry: Single channel and Multichannel bio-telemetry, telephonic data transmission PATIENT SAFETY: Electric shock hazards, leakage current. Types of Leakage current, measurement of leakage current, methods of reducing leakage current, precautions to minimize electric shock hazards.</p>	08
Unit-6	<p>*Anaesthesia Machines & Ventilators: Anaesthesia Machines: Need for anaesthesia, Delivery of anaesthesia, anaesthesia machine & patient breathing circuit Ventilators: Mechanics of respiration, Artificial ventilation, Ventilators, Ventilator Terms, Microprocessor controlled Ventilators.</p>	08
	Total	50

Text Books :

1. Khandpur R.S. "Handbook of Biomedical Instrumentation", Tata Mc-Graw Hill, New Delhi.
2. Cromwell L. & Wiebell. F. J., "Biomedical Instrumentation", PHI Publications.

Reference Books

1. Webster J.G., "Medical Instrumentation", Third ed. John Wiley & Sons.
2. Carr & Brown, "Introduction to Biomedical Equipment Technology", Prentice Hall.

Subject (Th): (SET4-5) DATA COMPRESSION & ENCRYPTION

<p>Course Requisite:</p> <ol style="list-style-type: none"> 1. (6ET3) Digital Communication.
<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. To familiarize students with different data compression techniques for text, audio, image and video compression. 2. To equip students with fundamental knowledge of various data encryption and authentication techniques.
<p>Course Outcomes:</p> <p>Upon successful completion of the course, the student will be able to:</p> <ol style="list-style-type: none"> 1. Demonstrate the knowledge of lossy and lossless data compression techniques commonly used. 2. Develop the statistical basis and analyze performance metrics for lossy and lossless data compression. 3. Demonstrate use of various private and public key encryption techniques used in cryptosystems. 4. Identify need of digital signatures and authentication protocols. 5. Categorize various intruders and intrusion detection techniques. 6. Classify various viruses, related threats and countermeasures.

	Subject: DATA COMPRESSION & ENCRYPTION.	L
Unit-1	Text Compression: Shannon Fano Coding, Huffman coding, Arithmetic coding and dictionary techniques- LZW, family algorithms, Entropy measures of performance and Quality measures.	08
Unit-2	Audio Compression: Digital Audio, Lossy sound compression, μ -law and A-law companding, DPCM and ADPCM audio compression, MPEG audio standard, frequency domain coding, format of compressed data.	09
Unit-3	Image And Video Compression: Lossless techniques of image compression, gray codes, Two dimensional image transforms, JPEG, JPEG 2000, Predictive Techniques PCM and DPCM. Video compression and MPEG industry standard.	09
Unit-4	Conventional Encryption: Introduction, Types of attacks, Steganography, Data Encryption Standards, Block Cipher Principle, S-box design, triple DES with two three keys.	09
Unit-5	Public Key Encryption and Number Theory: Euler's theorem, Chinese remainder theorem, Principle of public key cryptography, RSA algorithm, Diffie-Hellman Key Exchange, Elliptic curve cryptology, message authentication and Hash functions, Hash and Mac algorithms, Digital signatures.	09
Unit-6	System Security & Case Studies: Intruders, Viruses, Worms, firewall design, antivirus techniques, digital Immune systems, Certificate based & Biometric authentication, Secure Electronic Payment System.	08
	Total	52

<p>Text Books:</p> <ol style="list-style-type: none"> 1. "Data Compression", David Salomon, Springer Publication, 4th Edition. 2. "Introduction to Data Compression", Khalid Sayood, Morgan Kaufmann Series, 3rd Edition 3. "Cryptography and Network Security", William Stallings, Pearson Education Asia Publication, 4. "Cryptography and Network Security", Behrouz Forouzan, McGraw-Hill, 1st Edition.
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References:

1. "The Data Compression Book", Mark Nelson. BPB publication. 2nd Edition.
2. "Applied Cryptography". Bruce Schneier. John Wiley & Sons Inc. Publication. 2nd Edition.
3. "Cryptography & Network Security". Atul Kahate. Tata McGraw Hill. 2nd Edition.
4. "Cryptography and Network Security". Behrouz A. Forouzan . Special Indian Addition. SIE.
5. "Network Security & Cryptography". Bernard Menezes. Cenage Learning.

Academic
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SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE - 2019 - PART ONE - 377

Direction

No. 28 /2019

Date : 31 /08/2019

Subject : Examinations leading to the Degree of Master in Computer Application (Three Year Degree Course.... Semester Pattern) as per Credit Grade System in the Faculty of Science & Technology, Direction, 2019.

Whereas, Direction No. 33/2010 regarding the examinations leading to the Degree of Master in Computer Application (Three Year Degree Course.... Semester Pattern) as per Credit Grade System in the Faculty of Engineering & Technology, Direction, 2010 is in existence in the University,

AND

Whereas, the Ad-hoc Committee in Computer Science & Engineering its meetings held on 21/6/2019, 02/07/2019 and 10/07/2019 has prepared and recommended the Schemes of teaching & examination of Semester I to VI along with draft Syllabi of Semester I & II of Master in Computer Application (Three Year Degree Course.... Semester Pattern ...Credit Grade System) as per A.I.C.T.E. Guidelines for M.C.A. Course to be implemented from the academic session 2019-2020 and onwards in phase wise manner,

AND

Whereas, the Hon'ble Vice-Chancellor has accepted & approved the recommendation of the above Committee on behalf of the Faculty of Science & Technology and Academic Council regarding implementation of Scheme of teaching & examinations of Semester I to VI along with draft Syllabi of Semester I & II of Master in Computer Application (Three Year Degree Course.... Semester Pattern ... Credit Grade System) as per under Sub Section (7) of Section 12 of M.P.U.Act, 2016 to be implemented from the academic session 2019-2020 and onwards in phase wise manner,

AND

Whereas, the Schemes of teaching & examinations of Semester I to VI along with draft Syllabi of Semester I & II of Master in Computer Application (Three Year Degree Course.... Semester Pattern ...Credit Grade System) Courses are to be implemented from the academic session 2019-2020 and onwards in phase wise manner,

AND

Whereas, the the Schemes of teaching & examinations and other provisions are required to be regulated by the Regulation and Ordinance,

AND

Whereas, matter of making Regulation and Ordinance are a time consuming process,

Now, therefore, I, Dr. M. G. Chandekar, Vice-Chancellor of Sant Gadge Baba Amravati University, in exercise of powers conferred upon me, under sub-section (8) of Section 12 of the Maharashtra Public Universities Act, 2016, having issued the following directions;

1. Examinations leading to the Degree of Master in Computer Application (Three Year Degree Course.... Semester Pattern) as per Credit Grade System in the Faculty of Science & Technology, Direction, 2019.
2. This Direction shall come into force with effect from the date of its issuance.
3. This Direction shall come into force w.e.f. the session :-
 - i) 2019-2020 for First Year M.C.A.
 - ii) 2020-2021 for Second Year M.C.A. and
 - iii) 2021-2022 for Third Year M.C.A.
4. Subject to their compliance with the provisions of this Direction and other ordinances in force from time to time along with the rules/regulations received from the Govt. of Maharashtra, the following person shall be eligible for admission to MCA.
 - (a) The Candidate should be an Indian National,
 - (b) Passed minimum three (3) years duration Bachelor's Degree awarded by the University recognized by the University Grants Commission or Association of Indian Universities in any discipline with at least 50% marks in aggregate or equivalent (At least 45% in case of candidates of backward class categories and Persons with Disability belonging to Maharashtra State only,
 - (c) Studied Mathematics as one of the subjects at (10 + 2) level or at Graduate level examination,
 - (d) A person passing a PGDCS Exam. of Sant Gadge Baba Amravati University, satisfying the condition given in "a" above are eligible to take admission directly at second year of MCA (subject to condition of availability of seats, in total intake capacity) subject to condition that he will pass the subject heads of 1st MCA not covered at PGDCS level.

SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE - 2019 - PART ONE - 378

- e) For Direct Second Year admissions, the candidate should have passed Bachelor Degree in Computer Applications or Science (Information Technology or Computer Science).
5. (i) Duration of the course shall be of three academic years.
- (ii) Courses of First year MCA, Second year MCA and Third year MCA are divided into two parts every year i.e. part-I and part-II and the University shall hold Examination in Winter and in Summer every year for both the Part-I & II.
- (iii) The main Examination of Part-I shall be held in Winter & the Main Examination of Part-II shall be held in Summer every year. The Supplementary examination for Part-I shall be held in Summer and the Supplementary Examination for Part-II shall be held in Winter every year.
6. For purposes of instruction and examination the student shall study sequentially.
7. The period of academic session / term shall be such as may be notified by the University.
8. The Examinations shall be held at such places and on such dates as may be notified by the University.
9. Subject to his/her compliance with the provisions of this Direction and of other Ordinances (Pertaining to Examinations in General) in force from time to time, the applicant for admission, at the end of the course of study of a particular term shall be eligible to appear at it, if,
- i) He/She satisfied the condition in the table and the provision thereunder.
- ii) He/She has prosecuted a regular course of study in the University/College affiliated to the University.
- iii) He/She has in the opinion of the Head of the Department/Principal shown satisfactory progress in his/her studies.

Name of Exam	The student should have passed the examination of	The student should have completed the session / term satisfactorily
1	2	3
First Year MCA Part-I	The qualifying Examination mentioned in para-3	First Yr. MCA Part-I
First Year MCA Part-II	-----	First Yr. MCA Part-I & II
Second Year MCA Part-I	-----	Second Year MCA Part-I
Second Year MCA Part-II	-----	Second Year MCA Part-I & II
Third Year MCA Part-I	Shall have cleared 1st of MCA & qualified for admission to Third Year as per para-4	Third Year MCA Part-I
Third Year MCA Part-II	-----	Third Year MCA Part-I & II

10. The schemes of teaching & examinations shall be as provided under "Appendix-A" appended with this Direction.
11. Common Instructions for all the Semesters regarding Choice Based Credits (CBC) / Open Electives (OE) are as under :

The Subjects/Modules/Activity to be undertaken by the Student under the Open Electives approved by the Department /Institute. The schedule of approval will be declared by the Department / Institute at the beginning of the Semester (1st July) as per details given below :

One Faculty Member will work as a Coordinator for Open Electives for which 01 Hour of Theory period will be considered as a weekly work load against this work. All Coordinators has to do counseling of respective Open electives, do the Students Registration process and allot them to faculty members (will be working as a mentor). All these electives are internally accessed by respective Coordinators & Guides based on Minimum 03 Class Tests/ Final Objective Test/ Demo/ Report Submission / Certificate issued by competent authority Viva Voce and other methods as decided by the Department / Institute.

The Mentor shall conduct Tutorial Classes for Workload counting purpose, it should be noted that: 01 Tutorial hour is equal to 01 Theory Hour. For Tutorial, Batch of Maximum 20 Students will be considered and the Tutorial Batch should not be comprised of Less than 04 Students.

Coordinator shall take care that the students are not repetitively opting for same type of Electives in every Semester.

Summary of conduction of Choice Based Credits (CBC) /Open Electives (OC) Electives for all Semesters :-

- i) Electives Selection Process starts at beginning of the Semester.
 - ii) Declare the names of Coordinator for Open Electives.
 - iii) Counseling of Students by Coordinators for selection of Open Electives.
 - iv) Registration of Students by Coordinators under respective Open Electives.
 - v) Allotment of Registered Students to Mentor from Department.
 - vi) Guidance/Counseling to Students by Mentor throughout the Semester.
 - vii) General Counseling by Coordinators over the Semester, whenever required.
 - viii) Final Assessment of Students by Coordinators & Mentor for Allotment of Final Credits.
 - ix) Submission of Credits gained by Students to the Head of Department from Coordinators
12. i) The scope of the subject is as indicated in the syllabus.
a. The medium of instruction and examination shall be English.
 13. The fees for each M.C.A. Examinations (Theory & Practical) shall be as prescribed by University from time to time.
 14. The computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) of an examinee shall be as given below :-

The marks will be given in all examinations which will include college assessment marks and the total marks for each Theory / Practical shall be converted into Grades as per Table II.

SGPA shall be calculated based on Grade Points corresponding to Grade as given in Table II and the Credits allotted to respective Theory / Practical shown in the scheme for respective semester. SGPA shall be computed for First Year (Part I & II), Second Year (Part I & II) and Third Year (Part I & II) and CGPA shall be computed in Third Year (Part II) based on SGPA's of First Year (Part I & II), Second Year (Part I & II) and Third Year (Part I & II). :-

$$SGPA = \frac{C_1 \times G_1 + C_2 \times G_2 + \dots + C_n \times G_n}{C_1 + C_2 + \dots + C_n}$$

Where C_1 = Credit of individual Theory / Practical

G_1 = Corresponding Grade Point obtained in the respective Theory / Practical

$$CGPA = \frac{(SGPA)_{\text{First Year Part-I}} \times (Cr)_{\text{First Year Part-I}} + \dots + (SGPA)_{\text{Third Year Part-II}} \times (Cr)_{\text{Third Year Part-II}}}{(Cr)_{\text{First Year Part-I}} + \dots + (Cr)_{\text{Third Year Part-II}}}$$

Where (SGPA)

$(Cr)_{\text{First Year Part-I to Third Year Part-II}}$

= SGPA of First Year

Part-I to Third Year Part-II

(Cr)

$(Cr)_{\text{First Year Part-I to Third Year Part-II}}$

= Total Credits for First Year Part-

I to Third Year Part-II

CGPA equal to 6.00 and above shall be considered as equivalent to First Class which shall be mentioned on Grade Card of Third Year Part-II as a foot note.

TABLE II

THEORY

Grade	Percentage of Marks	Grade Points
AA	80 ≤ Marks ≤ 100	10
AB	70 ≤ Marks < 80	9
BB	60 ≤ Marks < 70	8
BC	55 ≤ Marks < 60	7
CC	50 ≤ Marks < 55	6
CD	45 ≤ Marks < 50	5
DD	40 ≤ Marks < 45	4
FF	00 ≤ Marks < 40	0
ZZ	Absent in Examination	—

PRACTICAL

Grade	Percentage of Marks	Grade Points
AA	85 ≤ Marks ≤ 100	10
AB	80 ≤ Marks < 85	9
BB	75 ≤ Marks < 80	8
BC	70 ≤ Marks < 75	7
CC	65 ≤ Marks < 70	6
CD	60 ≤ Marks < 65	5
DD	50 ≤ Marks < 60	4
FF	00 ≤ Marks < 50	0
ZZ	Absent in Examination	—

15. Provisions of Ordinance No.18 of 2001 in respect of an Ordinance to provide grace marks for passing in a Head of passing and improvement of Division (Higher Class) and getting distinction in the subject and condonation of deficiency of marks in a subject in all the faculties prescribed by the Statute No.15 of 2017 and Ordinance No. 18 of 2001 shall apply to each examination under this Direction.
16. An examinee who does not pass or who fails to present himself/ herself for the examination shall be eligible for readmission to the same examination, on payment of fresh fees and such other fees as may be prescribed.
17. As soon as possible after the examination, the Board of Examinations shall publish a result of the examinees. The result of final MCA Examination shall be classified as above and meritlist shall be notified as per Ordinance No.6.
18. Notwithstanding anything to the contrary in this Direction, no person shall be admitted to an examination under this Direction, if he/she has already passed the same examination or an equivalent examination of any statutory University.
19. i) The examinees who have passed in all the subjects prescribed for all the examinations shall be eligible for award of the Degree of Master in Computer Application.
ii) An examinee successful at the examination shall on payment of prescribed fees receive a degree in prescribed form signed by the Vice-Chancellor.

Date : 31 /08/2019

Sd/-
(Dr.M.G.Chandekar)
Vice-Chancellor

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Appendix-A

Curriculum Scheme for First Year MCA/B.G. Diploma in Computer Science and Technology																	
Sr.No.	Course Category	Subject Code No.	Subject	Credit	Teaching Scheme			Examination Scheme									
					Lectures	Tutorial	Practical	Hours /Week	Duration of Paper (Hrs)	Max Marks Theory Papers	Max Marks Seasonal	Total	Min Pass Marks	Duration of Exam (Hrs)	External Marks	Seasonal Marks	Total
Semester - I																	
1	Core	MCA19101/ PGDCS19101	Computer Organization and Architecture	4	4	-	-	4	3	80	20	100	40	-	-	-	-
2	Core	MCA19102/ PGDCS19102	Object Oriented Programming with C++	4	4	-	-	4	3	80	20	100	40	-	-	-	-
3	Core	MCA19103/ PGDCS19103	Mathematical Foundation	4	4	-	-	4	3	80	20	100	40	-	-	-	-
4	Elective	MCA19104/ PGDCS19104	Elective - 1	4	4	2	4	6	3	80	20	100	40	-	-	-	-
5	Choice Based	MCA19105/ PGDCS19105	Open Elective	1	-	-	-	2	-	-	-	-	-	-	-	50	25
6	Skill	MCA19106/ PGDCS19106	Lab-1: Based on C++	1	-	-	-	2	-	-	-	-	-	-	3	25	25
7	Skill	MCA19107/ PGDCS19107	Lab-2: Based on Mathematical Foundation	1	-	-	-	2	-	-	-	-	-	-	3	25	25
8	Skill	MCA19108/ PGDCS19108	Lab-3: Based on Web Technology	3	2	-	-	4	-	-	-	-	-	-	3	25	25
			Total	25	18	2	10	30	320	80	400	400	75	125	200		
Semester-II																	
1	Core	MCA19109/ PGDCS19109	Data Structure	4	4	-	-	4	3	80	20	100	40	-	-	-	-
2	Core	MCA19110/ PGDCS19110	Operating system	4	4	-	-	4	3	80	20	100	40	-	-	-	-
3	Core	MCA19111/ PGDCS19111	Data Base Management	4	4	-	-	4	3	80	20	100	40	-	-	-	-
4	Elective	MCA19112/ PGDCS19112	Elective - 2	4	4	-	-	4	3	80	20	100	40	-	-	-	-
5	Choice Based	MCA19113/ PGDCS19113	Open Elective	4	-	-	-	4	3	80	20	100	40	-	-	-	-
6	Skill	MCA19114/ PGDCS19114	Lab-4 Based on Data Structure	1	-	-	-	2	-	-	-	-	-	-	3	25	25
7	Skill	MCA19115/ PGDCS19115	Lab-5 Based on DBM'S	1	-	-	-	2	-	-	-	-	-	-	3	25	25
8	Skill	MCA19116/ PGDCS19116	Lab-6 Based on Linux and Windows	2	2	-	-	4	-	-	-	-	-	-	3	25	25
			Total	25	18	2	10	30	320	80	400	400	75	125	200		

The Open Elective and Credit Assigned		Credits
Successful completion of Online Course of 4 weeks	Project activity	4
Seminar Activity		4
Paper/poster presentation		1
Completion of softskill programme of one week		1
Internship of 30 Hrs		1
Field Visit of 15 Hrs		2
Startup recognized and approved by the department		1
Participation in Unnat Bharat Abhiyan		2
Yoga Meditation camp of 1 week		1 for 15 days, maximum: 4
Completion of course/activity of similar credits proposed by the department from among the available courses/activities from other department/faculty in the college/university		1
		4

Elective - 1		Elective - 2	
System Analysis and Design	E-Commerce	Operation Research	Software Project Management
Management Information System			
Accounting and Financial Mgt.			

Sr.No.	Course Category	Subject Code No.	Subject	Credit	Teaching Scheme				Examination Scheme									
					Lectures	Tutorial	Practical	Hours/Week	Theory					Practical				
									Duration of Paper (Hrs)	Max Marks Theory Papers	Max Marks Seasonal	Total	Min Pass Marks	Duration of Exam (Hrs)	External Marks	Sessional Marks	Total	Min Pass Marks
Semester - III																		
1	Core	MCA19201	Java Programming	4	4	4	-	4	3	80	20	100	40	-	-	-	-	
2	Core	MCA19202	Data Communication Network	4	4	4	-	4	3	80	20	100	40	-	-	-	-	
3	Core	MCA19203	Data Communication Network	4	4	4	-	4	3	80	20	100	40	-	-	-	-	
4	Elective	MCA19204	Design and Analysis of algorithms	4	4	4	-	4	3	80	20	100	40	-	-	-	-	
5	Choice Based	MCA19205	Elective - 3	4	4	4	-	4	3	80	20	100	40	-	-	-	-	
6	Skill	MCA19206	Open Elective	4	4	4	-	4	3	80	20	100	40	-	-	-	-	
7	Skill	MCA19207	Lab-7: Based on Java	1	-	2	2	2	-	-	-	-	-	3	-	50	25	
8	Skill	MCA19208	Lab-8: Based on DAA	1	-	2	2	2	-	-	-	-	-	3	25	25	50	
			Lab-9: Based on Software Testing	3	2	2	4	4	-	-	-	-	-	3	25	25	50	
			Total	25	18	2	10	30	-	320	80	400	400	-	75	125	200	
Semester-IV																		
1	Core	MCA19210	Client Server Computing	4	4	4	-	4	3	80	20	100	40	-	-	-	-	
2	Core	MCA19211	Artificial Intelligence and Applications	4	4	4	-	4	3	80	20	100	40	-	-	-	-	
3	Core	MCA19212	Data Warehouse and Data Mining	4	4	4	-	4	3	80	20	100	40	-	-	-	-	
4	Elective	MCA19213	Elective - 4	4	4	4	-	4	3	80	20	100	40	-	-	-	-	
5	Choice Based	MCA19214	Open Elective	4	4	4	-	4	3	80	20	100	40	-	-	-	-	
6	Skill	MCA19215	Lab-10 Based on Client server Computing	1	-	2	2	2	-	-	-	-	-	3	-	50	25	
6	Skill	MCA19216	Lab-11 Based on AI and Applications	1	-	2	2	2	-	-	-	-	-	3	25	25	50	
7	Skill	MCA19217	Lab-12 Based on Elective-4	2	-	4	4	4	-	-	-	-	-	3	25	25	50	
			Total	24	16	2	12	30	-	320	80	400	400	-	75	125	200	
Elective - 3																		
MIS Framework and Implementation				The Open Elective and Credit Assigned				Credits										
Managerial Economics				Successful completion of Online Course of 4 weeks				Project activity				4						
Object Oriented Analysis and Design				Seminar Activity				Paper/poster presentation				4						
				Completion of softskill programme of one week				Internship of 30 Hrs				1						
				Field Visit of 15 Hrs				Startup recognized and approved by the department				2						
				Participation in Umat Bharat Abhiyan				Yoga Meditation camp of 1 week				1						
				Completion of course/activity of similar credits proposed by the department from among the available courses/activities from other department/faculty in the college/university				1 for 15 days, maximum 4				2						
												1						
												4						

Sr.No.	Course Category	Subject Code No.	Subject	Credit	Teaching Scheme				Hours /Week	Examination Scheme																						
					Lectures	Tutorial	Practical	Theory			Practical																					
								Duration of Paper (Hrs)		Max Marks Theory Papers	Max Marks Sessional	Total	Min Pass Marks	Duration of Exam (Hrs)	External Marks	Sessional Marks	Total	Min Pass Marks														
Semester - V																																
1	Core	MCA19301	Mobile Application Development	4	4				4	3	80	20	100	40																		
2	Core	MCA19302	Software Engineering	4	4				4	3	80	20	100	40																		
3	Core	MCA19303	Distributed Systems	4	4				4	3	80	20	100	40																		
4	Elective	MCA19304	Elective - 5	4	4				4	3	80	20	100	40																		
5	Choice Based	MCA19305	Open Elective	4	4				4	3	80	20	100	40																		
6	Skill	MCA19306	Lab-13: Based on Mobile Application Development	1		2	4		6																							
7	Skill	MCA19307	Lab-14: Based on Distributed Systems	1		2	2		2																							
7	Skill	MCA19308	Lab-15: Based on Elective-5	2		4	4		4																							
Total				24	16	2	12		30		320	80	400																			
Semester-VI																																
1	Skill	MCA19308	Industry Project and Internship/Startup	18					24																							
2	Skill	MCA19309	Seminar/Presentation	6					6																							
Total				24	0		0		30		0	0	0	0																		

Elective -5	
Data Analytics	
Bio-Informatics	
Game Programming	
Internet of Things	

The Open Elective and Credit Assigned		Credits
Successful completion of Online Course of 4 weeks		4
Project activity		4
Seminar Activity		1
Paper/poster presentation		1
Completion of softskill programme of one week		1
Internship of 30 Hrs		2
Field Visit of 15 Hrs		1
Startup recognized and approved by the department		2
Participation in Unnat Bharat Abhiyan		1
Yoga Meditation camp of 1 week		1
Completion of course/activity of similar credits proposed by the department from among the available courses/activities from other department/faculty in the college/university	1 for 15 days, maximum 4	4

AB3
for HoD, MCA

Content

1.2.2

Sr. No.	Particulars	Page No.
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NAAC Criteria-1

AQAR 2019 - 20

List of Supporting Documents

Item No.	Content
1.2.2	Programme in which Choice Based Credit System (CBCS)/ Elective course system implemented at the affiliated college (if applicable) during the Academic year.

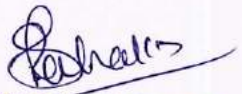
**P. R. Pote (Patil) Education & Welfare Trust's, Group of Institutions, College
of Engineering & Management, Amravati**

Department of Electrical Engineering

Elective Course Selected by Students

Academic Year 2019-20

Sr.No	Semester	Subject Code	Programme name
1	V	5FEED05	Introduction To Earthquake Engineering
2	VI	6FEED05	Non-Conventional Energy Sources
3	VII	7EP05	Computer Methods In Power System Analysis
4	VIII	8EP04	Power Quality


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

FOUR YEAR DEGREE COURSE IN BACHELOR OF ENGINEERING
BRANCH - ELECTRONICS & TELECOMMUNICATION ENGINEERING - SEMESTER PATTERN (CREDIT GRADE SYSTEM)

Old course

SEMESTER - SEVENTH

Appendix - B

Sl. No.	Subject Code	TEACHING SCHEME				EXAMINATION SCHEME											
		HOURS / WEEK		CREDITS	THEORY		PRACTICAL		MIN. PASSING MARKS	TOTAL	MAX. MARKS	INTERNAL	EXTERNAL	TOTAL	MIN. PASSING MARKS		
		Lecture	Tutorial		PD	Total	DURATION OF PAPER (Hr.)	MAX. MARKS THEORY PAPER								MAX. MARKS COLLEGE ASSESMEN	TOTAL
THEORY																	
01	7XT1	4	-	-	4	4	4	3	80	20	100	40	-	-	-		
02	7XT2	4	1	-	5	5	3	80	20	100	40	-	-	-			
03	7XT3	4	1	-	5	5	3	80	20	100	40	-	-	-			
04	7XT4	4	-	-	4	4	3	80	20	100	40	-	-	-			
PRACTICALS / DRAWING / DESIGN																	
05	7XT5	-	-	2	2	1	-	-	-	-	400	-	25	25	50		
06	7XT6	-	-	2	2	1	-	-	-	-	400	-	25	25	50		
07	7XT7	-	-	2	2	1	-	-	-	-	400	-	25	25	50		
08	7XT8	-	-	2	2	4	-	-	-	-	400	-	50	50	25		
		TOTAL	16	2	6	26	25									TOTAL	600
Professional Elective-I: 1. VLSI Design 2. Computer Organization 3. Artificial Intelligence 4. Satellite & Optical Fibre communication 5. Audio & Video Engineering																	
Semester : Eighth																	
THEORY																	
01	8XT1	4	1	-	5	5	3	80	20	100	40	-	-	-	-		
02	8XT2	4	1	-	5	5	3	80	20	100	40	-	-	-	-		
03	8XT3	4	-	-	4	4	3	80	20	100	40	-	-	-	-		
04	8XT4	4	-	-	4	4	3	80	20	100	40	-	-	-	-		
PRACTICALS / DRAWING / DESIGN																	
05	8XT5	-	-	2	2	1	-	-	-	-	400	-	25	25	50		
06	8XT6	-	-	2	2	1	-	-	-	-	400	-	25	25	50		
07	8XT7	-	-	-	6	12	-	-	-	-	400	-	75	75	150		
		TOTAL	16	2	4	28	32									TOTAL	650
Professional Elective-II: 1. Biomedical Engineering 2. Digital Image Processing 3.. ARM system development and design 4. Embedded and Real time system 5.Smart sensors																	

[Signature]

H.O.D. (EXTC Dept.)

A.R. Patel (Patil) College of Engg. & Management,
Amravati.

10-20
18-20

7XT4(4) PROFESSIONAL ELECTIVE - I
SATELLITE AND OPTICAL FIBER COMMUNICATION

SECTION-A

UNIT I:- INTRODUCTION

Satellite frequency bands, Satellite types-LEO, MEO, GEO, HEO, Kepler's laws, Satellite orbits, Geo-stationary Satellite. Orbital Aspects of Satellite Communication: Orbital period and velocity, Effect of orbital inclination, Azimuth and Elevation, Converge angle and Slant range, Orbit determination, Orbital effect in communication system performance.

UNIT II:- SATELLITE CHANNELS

Electromagnetic field Propagation, Antennas, Atmospheric losses, Receiver noise, Carrier to noise ratio, Satellite system link model: Uplink, Downlink, Cross link, Transponder, Satellite system parameters, Satellite link analysis, Frequency reuse and depolarization.

UNIT III:- SATELLITE SERVICES

Very Small Aperture Satellite (VSAT): Overview of VSAT system, Network architecture, Access control protocols, Signal format, Modulation coding and interference issues, VSAT antennas, Transmitter and Receiver, Link analysis for VSAT network.

Satellite Navigation and Global Positioning System (GPS): Radio and Satellite navigation, Position, Location in GPS, GPS receivers and codes, GPS navigation message and signal levels, Timing accuracy, GPS receiver operation, Differential GPS.

SECTION-B

UNIT IV:- OPTICAL FIBER WAVEGUIDE AND TRANSMISSION CHARACTERISTICS

Ray Theory of Optical Fiber, Total internal reflection, Snell's law, Acceptance Angles, Numerical Aperture (NA), Theory of Circular Waveguide, Modes in Optical Fiber, Single mode and Multimode Optical Fiber, Power flow.
Transmission Characteristics of Optical Fiber: Attenuation, Absorption losses, Scattering losses, Bending losses, Dispersion, Intermodal and Intramodal Dispersion.

UNIT V:- OPTICAL SOURCES AND DETECTORS

Optical Sources: Optical Emission from Semiconductor, LED, Power, Efficiency, Double heterojunction LED, Basic concept of LASER, Semiconductor injection LASER,
Optical Detectors: Optical detection principle, Absorption quantum efficiency, Responsivity, PIN Photodiode, Avalanche Photodiode, Phototransistor and Photoconductive Detector.

UNIT VI:- OPTICAL ELECTRONIC SYSTEM

Optical Transmitter, Receiver, Digital system planning consideration, Power budgeting, Coherent and Non-coherent system, Modulation and Demodulation schemes, Wavelength multiplexing, Optical switches,

TEXT BOOKS:-

- 1) Gagliardi Robert M.: "Satellite Communication", CBS Publication and Distributors, New Delhi
- 2) Senior J.M.: "Optical Fiber communication and Application", Prentice Hall of India Pvt. Ltd, New Delhi.

REFERENCE BOOKS:-

- 1) Gowar: "Optical Communication System", Prentice Hall.
- 2) R. P. Khare: "Fiber Optics and Opto Electronics", Oxford University Press, First Edition.
- 3) G. Keiser: "Optical Fiber Communication", McGraw Hill International Book Co. New York.
- 4) Pratt Timothy and Bostian W. Charles: "Satellite Communication", Wiley International Publication, New York.

7XT4(5) PROFESSIONAL ELECTIVE - I
AUDIO & VIDEO ENGINEERING

SECTION-A

Unit I: Principle of disc recording, principle of disc reproduction, Block diagram of disc reproduction system, Coarse-grooves and micro grooves, construction of cutter stylus, Play back needles, cartridges of pick up units, principle of magnetic recording and reproduction, Recorded wavelength, Gap-width and tape speed, need for biasing DC And AC biasing, Parts of tape recorder, tape transport mechanism advantages and disadvantages of tape recording, Block diagram tape recording and reproducing system Wow and flutter distortions, Rumble, Hissing noise, Types of optical recording of sound, methods of optical recording of sound on films

Unit II: Multimedia Definition, Elements of multimedia system, need of multimedia audio application, audio capture, compression, standards Video applications, video capture Television, compression, standards, proprietary compression, Introduction to video system, sound and picture transmission, scanning process, camera pickup devices, camcorder, video signal, aspect

Unit II : CELLULAR RADIO SYSTEM DESIGN FUNDAMENTALS

Frequency managements: Cellular system spectrum, frequency assignment, channel assignment strategies, co-channel and non-co-channel interference, cellular system capacity, improving coverage and capacity in cellular system. (9)

Unit III : MOBILE RADIO PROPAGATION MECHANISM

Radio propagation mechanism, multipath propagation, fading, doppler shift, fast and slow fading, control of fading in mobile systems. (8)

SECTION-B**Unit IV : GSM SYSTEM**

GSM system architecture, radio subsystem, channel types, frame structure, GSM Signaling Protocols, call processing in GSM, handovers in GSM, signal processing in GSM, data oriented CDPD network, Specification of GPRS, EDGE. (9)

Unit V : CDMA SYSTEM

Frequency and channel specification, physical and logical channels of IS-95, call processing in IS-95, soft hand off and power control in CDMA. Cell loading, cell radius, Reverse & Forward link cell size. (9)

Unit VI : MOBILE ADHOC NETWORKS, WLAN & WMAN

Bluetooth: Bluetooth enable devices network, Bluetooth protocol, layers, Zigbee Architecture. Specifications Wireless LAN: Wi-Fi architecture and protocol, Wireless MAN: Wi-MAX architecture and protocol. (9)

TEXT BOOKS :

- 1) Theodore S. Rappaport : "Wireless Communications : Principles & Practice", Second edition, Pearson Education (2002)
- 2) Vijay K. Garg : "Wireless network Evolution 2G to 3G", Pearson Education.
- 3) K. Pahlavan and P. Krishnamurthy : "Principles of Wireless Networks", Pearson Education Asia Publication (2002)

REFERENCE BOOKS :

- 1) William Stallings : "Wireless Communications and Networks" Pearson Education Asia Publication (2002)
- 2) Jochen Schiller : "Mobile Communications", Pearson Education Asia Publication (2002)
- 3) Andy Dornam : "The Essential Guide to Wireless Communication Applications", Pearson Education Asia Publication.
- 4) Upena Dalal "Wireless communication", Oxford University Press
- 5) William CY Lee : "Mobile Cellular Telecommunications"(second edition) McGraw Hill Inc.

**8XT4(1) PROFESSIONAL ELECTIVE-II
BIOMEDICAL ENGINEERING****SECTION-A****UNIT-I: INTRODUCTION TO BIOMEDICAL ENGINEERING**

Physiological system of heart, Man instrument system, Sources of bioelectric potentials, Different bioelectric signals like ECG, EMG and EEG, Biopotential Electrode theory, Basic electrode, Electrodes for EEG, ECG, EMG, Biochemical electrodes. Skin contact Theory : skin contact impedance measurement of skin contact impedance, motion artifacts, nearest equation Nernst Equation. (9)

UNIT-II: BIOMEDICAL RECORDER AND MEASUREMENT

Biomedical recorders for EEG, ECG, EMG, Blood pressure variation as a function of time, relationship of heart sounds to a function of the cardio vascular system, Measurement of Blood Pressure (Direct & Indirect), Blood flow, Heart sound. (8)

UNIT-III: MEDICAL IMAGING SYSTEM

Instrumentation for diagnostics X-ray, X- ray basics properties, X-ray machine, Special imaging technique.
Ultrasonic imaging system: Physics of Ultrasound, Biological effect of ultrasound. Ultrasonic A-scan, M-scan, B-scan, Real-time ultrasonic imaging systems. (8)

SECTION-B**UNIT-IV: THERAPEUTIC EQUIPMENTS**

Need of Physiological and electrotherapy equipments. Cardiac pacemaker machine, Cardiac Defibrillators, Nerve and Muscle stimulators. Diathermy : short wave, microwave, ultrasonic. (8)

UNIT-V: PATIENT CARE AND MONITORING AND SAFETY

System concepts, Bedside patient monitors, central monitors, Average reading heart monitor, Intensive care monitoring, Ambulatory monitoring. **Biotelemetry:** Single channel and Multichannel bio-telemetry, telephonic data transmission.

PATIENT SAFETY: Electric shock hazards, leakage current. Types of Leakage current, measurement of leakage current, methods of reducing leakage current, precautions to minimize electric shock hazards. Telemedicine. (9)

UNIT-VI: COMPUTERS IN BIOMEDICAL ENGINEERING

Computerized Axial Tomography (CAT) Computerized Aided ECG analysis Computerized patient monitoring system. Computerized Catheterization. (8)

TEXT BOOKS:

1. Khandpur R.S. : "Handbook of Biomedical Instrumentation", Tata Mc-Graw Hill, New Delhi.
2. Cromwell L. & Weibell F.J. : "Biomedical Instrumentation and Measurement", Prentice Hall of India.

REFERENCE BOOKS:

1. Dr. Lele R.D. : "Computer Applications of Medicine", Tata Mc- Graw Hill, New Delhi.
2. Webster J.G. : "Medical Instrumentation", 3rd ed., John Wiley & Sons.
3. Carr and Brown : Biomedical Equipment Technology.

PROFESSIONAL ELECTIVE - II
DIGITAL IMAGE PROCESSING

8XT4(2)

SECTION-A

- UNIT-I:** Introduction to digital image processing, Digital Image Fundamental, Elements of Visual Perception, Simple Image Model, Sampling and Quantization, Basic Relationships between Pixel Imaging Geometry, Gray scale image representation. (8)
- UNIT-II:** Image Transforms: Introduction to the Fourier Transform, DFT, Properties of Two Dimensional Fourier Transform, FFT, Hadamard, Harr, DCT, Slant Transform. (8)
- UNIT-III:** Image Enhancement : Basic Techniques, Enhancement by point processing, Spatial Filtering, Enhancement in Frequency domain, histogram based processing, homomorphic filtering. (8)

SECTION-B

- UNIT-IV:** Image Restoration: Degradation model, Diagonalisation concept, Algebraic approach to Restoration. Inverse filtering, Weiner (CNS) filtering Restoration in Spatial domain, Basic morphological concept, morphological principles, binary morphology, Basic concepts of erosion and dilation. (9)
- UNIT-V:** Image Compression: Fundamentals, Image compression models, Elements of Information theory, Lossy and predictive methods, vector quantization, runlength coding, Hauff coding, and lossless compression, compression standards. (9)
- UNIT-VI:** Image Segmentation : Detection of discontinuities, Edge Linking and boundary detection, Thresholding, Regional oriented Segmentation. (8)

TEXT BOOKS:

- 1) Gonzalez and Woods: "Digital Image Processing", Addison / Wesley.
- 2) Milan Sonka, Vaclav Hlavac, Roger Boyle: Image processing Analysis and Machine Vision", Book / Cole 2nd Edition.

REFERENCE BOOKS:

- 1) A. K. Jain : "Digital Image Processing", PHI
- 2) William K. Pratt : "Digital Image Processing", 3rd ed. , John Wiley and Sons Publications.

PROFESSIONAL ELECTIVE - II
ARM SYSTEM DEVELOPMENT AND DESIGN

8XT4(3)

SECTION-A

- Unit I:** Introduction to Processor Design: Processor architecture and organization Abstraction in hardware design MUO, a simple processor Instruction set design, Processor design trade-offs, The Reduced Instruction Set, Computer Design for low power consumption.
- Unit II:** The ARM Architecture: The Acorn RISC Machine Architectural inheritance The ARM programmer's model ARM development tools.
- Unit III:** ARM Assembly Language Programming: Data processing instructions, Data transfer instructions, Control flow instructions, writing simple assembly language programs.

SECTION-B

- Unit IV:** ARM Organization and Implementation: 3-stage pipeline ARM organization, 5-stage pipeline ARM organization , ARM instruction execution, ARM implementation ,The ARM coprocessor interface.
- Unit V:** The ARM Instruction Set -1: Introduction, Exceptions, Conditional execution Branch and Branch with Link (B, BL) Branch, Branch with Link and exchange (BX, BLX) Software Interrupt (SWI) Data processing instructions, multiply instructions, Count leading zeros (CLZ - architecture v5T only) Single word and unsigned byte data transfer instructions ,Half-word and signed byte data transfer instructions.
- Unit VI:** The ARM Instruction Set -2: Multiple register transfer instructions, Swap memory and register instructions (SWP), Status register to general register transfer instructions, General

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

Department of Electronics and Telecommunication Engineering

Session: 2019-20

1.2.1 – Name of Elective subject provided to students

Sr. No.	Semester	Name of Elective Subjects
1	V	Introduction to Computer Networks
2	VI	Electronic Commerce
3	VII	Computer Organization
4	VIII	Bio-Medical Engineering



H.O.D

(Dept. of Electronics & Telecomm. Engg.)

SANT GADGE BABA AMRAVATI UNIVERSITY

NOTIFICATION

No. 53/2019

Date : 06 /06/2019

Subject :- Continuation of Prospectus No. 181711 prescribed for Sem. VII & VIII B.E. (CGS) for the session 2019-2020.

It is notified for general information of all concerned that the Prospectus No. 181711 prescribed for Semester VII & VIII B.E. (CGS) for the session 2013-2014 and continued upto the session 2018-2019 shall be continued for the academic session 2019-2020 with following substitutions for the examinations B.E. Sem. VII & VIII (Civil), B.E. Sem. VII & VIII Electrical (E & P) and B.E. (Electrical & Electronics) as per Appendices A & B appended herewith as given below :

sd/-
Registrar
Sant Gadge Baba Amravati University

Appendix - A

7CE05 PROF. ELECTIVE - I (vi) ADVANCED CONCRETE TECHNOLOGY

SECTION - A

Unit-I: Admixtures and construction chemicals: Introduction, admixtures, plasticizers (Water reducers), action of plasticizers, dispersion, retarding effect, superplasticizers (High range water reducers), site problems in the use of plasticizers, retarders, accelerators, air-entraining admixtures, pozzolanic or mineral admixtures, fly ash, silica fume, rice husk ash, metakaolin, ground granulated blast furnace slag (GGBFS), damp and water proofing admixtures, protective materials and their properties as moisture barrier systems, above-grade and below grade water proofing of concrete structures, thermal protection coating, IS code provisions for admixtures.

Unit-II: Durability of concrete: Introduction, strength and durability relationship, volume change in concrete, significance of durability, impact of water cement ratio on durability, factors affecting durability, methods of predicting durability, IS code provisions for durability of concrete. Interaction between permeability, volume change and cracking.

Unit-III: Deformation in concrete: Introduction, deformation of concrete in Indian climate, permeability, interaction between permeability, volume change and cracking, factors contributing cracks in concrete, sulphate attack, alkali aggregate reaction, corrosion of embedded steel, controlling measures, corrosion inhibitors, coatings to embedded reinforcement, corrosion resistant steels, cathodic protection systems.

SECTION - B

Unit-IV: Special concrete and concreting techniques: Introduction to special concrete, Lightweight, aerated, no-fines, high density, fibre reinforced, polymer, prepacked, self-compacted (self leveled), and high volume fly ash (HVFA) concrete. Introduction to special concreting techniques, Guniting or shotcrete, ferrocement, roller compacted concrete, and ready mix concrete casting and applications.

Unit-V: Repairs and rehabilitations: Introduction, need for repairs, crack width, construction chemicals- curing compounds, surface hardners, polymer modified mortar, bond aid for plasters, guniting aid, silicon based water repellent materials, protective and decorative coatings, injection grout for cracks, coatings for embedded reinforcement, concrete repair systems, stages of repair works.

Unit-VI: Non-destructive testing of concrete: Introduction, rebound hammer, limitations, rebound number and strength of concrete, penetration technique, pullout test, resonant frequency, pulse velocity method, corrosion analyser, rebar locators.

Introduction to precast concrete, materials and their characteristics, features, Precast concrete structure, type of structure, various precast element and their uses, types of connection.

Students must be shown video CD, slides, transparencies and photograph of actual structures.

BOOKS RECOMMENDED :

1. Concrete Repair and Maintenance : Peter H Emmons and Gajanan M. Sabnis, Galgotia Publication.
2. Repairs and Rehabilitation - Compilation from Indian Concrete Journal - ACC Publication.
3. Guide to Concrete Repair and Protection, HB94-2006 A joint publication of Australia Concrete Repair Association, CSIRO and Standards Australia.
4. CPWD hand book on Repair and Rehabilitation of RCC buildings published by DG (Works), CPWD. Government of India (NirmanBhawan), <http://www.cpwd.gov.in/handbook.pdf>
5. Guide to Concrete Repair, Glenn Smoak, US Department of the Interior Bureau of Reclamation, Technical Service Center, <http://books.google.co.in>
6. Management of Deteriorating Concrete Structures: George Somerville, Taylor and Francis publication.
7. Concrete Building Pathology: Susan Macdonald, Blackwell Publishing.

8. Testing of Concrete in Structures: John H. Bungey, Stephen G. Millard & Michael G. Grantham, Taylor & Francis Publication.
9. Durability of concrete and cement composites: C.L. Page & M.M. Page, woodhead Publishing.
10. Lea, F. M.: The Chemistry of Cement and Concrete, Edward Arnold(Publishers) Ltd.
11. Neville, A. M. : Properties of Concrete, Pitman Publishing Company.
12. Neville, Brooks : Concrete Technology, ELBS
13. Orchard, D. F. : Concrete Technology, Applied Science Pub Ltd.
14. Shetty, M. S. : Concrete Technology, S. Chand
15. Varshney, R. S. : Concrete Technology, Oxford Pub. House.
16. Krishna Raju : Design of Concrete Mixes, McGraw Hill.
17. Shah and Kale : Reinforced Cement Concrete Design,
18. SushilKumar :Treasure of Reinforced Cement Concrete.

YCE06 COMPUTER AIDED ANALYSIS AND DESIGN – Lab.

- 1) Analysis of simple structures (2D) like portal frames, Beams (1D) with different support conditions. Correlations of the same manually as well as by readymade software like STAAD Pro., SAP, ETABS, ANSYS etc.
- 2) Calculation of deflection and stresses in truss by using readymade software like STAAD Pro., SAP, ETABS, ANSYS etc.
- 3) Analysis and design of 3D (G+2) structure by using software like STAAD Pro., SAP, ETABS, ANSYS etc.

SEMESTER – VIII

3CE04: PROFESSIONAL ELECTIVE – II (iv) DAM ENGINEERING

SECTION - A

Unit- I: Introduction to Dam Engineering : Different classification for dams, relative advantages and disadvantages of various dam selection or types of dam, Investigation of dam sites, Engineering surveys, geological investigation, subsurface exploration programme, economic height of dam, Construction machinery, material, money, inventory.

Unit-II: Rockfill dam : Introduction, general characteristics, materials and testing of rockfill material, foundation of rockfill dam, design, rockfill placement, examples.

Unit-III: Arch dam :- components, types, methods for design.

Buttress dam : components, types, forces acting, Buttress spacing, Master curve for economic spacing, preliminary design Solid Gravity dams : Analysis & Design of gravity dam.

SECTION –B

Unit-IV: Spillways: choice of types, crest gates, hydraulic design, comparison, approach and tail channel, J.H.C. & tail water rating curve Energy Dissipaters: types, components, design of hydraulic jump type, basins, ski-bucket type, roller bucket.

Unit- V: Head Regulators ; requirements, types, foundation treatment including uplift consideration, Bank connection, energy dissipation, hydraulic design of opening and barrel, ventilation, types of gates. Approach Channel, case study for one on rock foundation and one on permeable foundation. Model Studies: scales design principles, materials, scale effects for model of dams spillways.

Unit-VI: Instrumentation : In earth dam and solid gravity dams, piezo meters, settlement, gauges, (surface monuments, base plate, cross arm) strain meters joint meters, thermometers, stress meters, pore pressure cells, plumb-bob Seismograph. Water level gauges (description, object, location, working, installation of each, design not expected)

Special problems: increasing height of masonry and concrete dams, strengthening, repairs and maintenance, leakage, evaporation controls. evaporation controls.

Books Recommended :

- 1) Sharma H.D : Concrete Dams, Metropolitan Book Co, Delhi.
- 2) Varshney R.S. : Concrete Dam, Ox IBH, Mumbai.
- 3) Sherard et al : Earth and Rockfill Dam, John Wiley, New York.
- 4) USBR : Design of Small Dams.
- 5) USBR : Design of Large Dams.
- 6) Peurifoy R.L. : Construction, Planning and Equipments, McGraw Hill Book Co.
- 7) Satyanarayanan : Construction, Planning & Equipment, Standard Pub.
- 8) USBR : Design of Gravity Dam.

- 2) Brown J.G., Blackie and Practice : Hydro Electric Engg., Vol. I, II & III, W. Sons, London.
- 3) Mosonyi E. : Water Power Development, Hungarian Academic Sciences, Budapest.
- 4) Deshmukh M.M. : Water Power Engineering.
- 5) Davin C. and Sorenson K.C. : Hand Book of Applied Hydraulics, McGraw Hill.

7CE05

PROFESSIONAL ELECTIVE - I
(iv) PRESTRESSED CONCRETE

SECTION - A

Unit I : a) *Analysis and design of beams - Rectangular, flanged and I sections, for Limit State of flexure, ultimate flexural strength, recommendations of I.S. codes.*

b) *Analysis and design of end blocks in post tensional members - primary and secondary distribution zones, Bursting and spalling tensions.*

Unit II : a) *Shear strength of prestressed concrete beams - mode of failure in beams, recommendations of I.S. code, ultimate shear strength of concrete, Design of shear reinforcement.*
b) *Deflection and bond in prestressed concrete.*

Unit III : *Analysis and design of continuous (upto two spans) and fixed beams. Elastic analysis, secondary moments, concordant cable, linear transformations.*

SECTION - B

Unit IV : *Analysis and design of prestressed concrete structures such as concrete pipes, poles, sleepers, water tanks etc.*

Unit V : *Analysis and design of portal frames, single storey and limited to two bays (fixed and hinged)*

Unit VI : *Design of prestressed concrete bridges (simply supported) for I.R.C. loadings or equivalent uniformly distributed loads.*

NOTE : Candidates should use the latest I.S. Codes.

BOOKS RECOMMENDED:

1. Guyon Y. : Prestressed Concrete, Vol. I & II, John Wiley and Sons, New York.
2. Krishna Raju, N. : Prestressed Concrete, Tata McGraw Hill Pub. Company, New Delhi.
3. Lin, T. Y. : Prestressed Concrete, Tata McGraw Hill, New Delhi.
4. Dayaratnam, P. : Prestressed Concrete Structures, Oxford and IBH Publishing Company Pvt. Ltd., New Delhi.

7CE05

PROFESSIONAL ELECTIVE - I
(v) ARTIFICIAL NEURAL NETWORK & FUZZY LOGIC

SECTION - A

Unit I : *Artificial intelligence, introduction, classification of artificial intelligence, tools of artificial intelligence, applications of A. I. in Civil Engineering.*

Unit II : *Expert systems, introduction, classification, tools, applications of expert system in Civil Engineering.*

SECTION - B

Unit III : *Neural network, introduction, classification, tools, applications of neural network in Civil Engineering.*

Unit IV : *Fuzzy logic, introduction, classification, tools, applications of expert system in Civil Engineering.*

BOOKS RECOMMENDED:

1. Rolston D. W. : Principles of Artificial Intelligence and Expert System, McGraw Hill International Edition, 1988.
2. Waterman D.A. : A Guide to Expert Systems, Addison-Wesley Pub. Co., 1985.
3. Koessem C.N. and Maher : Expert System in Civil Engineering, ASCE, 1986.
4. ASCE's Journal of Computing in Civil Engineering.

7CE05

PROFESSIONAL ELECTIVE - I
(vi) ADVANCED CONCRETE TECHNOLOGY

SECTION - A

Unit-I : *Admixtures and construction chemicals: Introduction, admixtures, plasticizers (Water reducers), action of plasticizers, dispersion, retarding effect, superplasticizers (High range water reducers), site problems in the use of plasticizers, retarders, accelerators, fly air-entraining admixtures, pozzolanic or mineral admixtures, fly ash, silica fume, rice husk ash, metakaolin, ground granulated blast furnace slag (GGBFS), damp and water proofing admixtures, IS code provisions for admixtures.*

Unit-II : *Durability of concrete: Introduction, strength and durability relationship, volume change in concrete, significance of durability, impact of water cement ratio on durability, factors affecting durability, methods of predicting durability, IS code provisions for durability of concrete.*

Unit-III: Deformation in concrete: Introduction, deformation of concrete in Indian climate, permeability, factors contributing cracks in concrete, sulphate attack, alkali aggregate reaction, corrosion of embedded steel, controlling measures.

SECTION-B

Unit-IV: Special concrete and concreting techniques: Introduction to special concrete, Lightweight, aerated, no-fines, high density, fibre reinforced, polymer, prepacked, self-compacted (self leveled), and high volume fly ash (HVFA) concrete.

Introduction to special concreting techniques, Gunite or shotcrete, ferrocement, roller compacted concrete, and ready mix concrete casting and applications.

Unit-V: Repairs and rehabilitations: Introduction, need for repairs, crack width, interaction between permeability, volume change and cracking, polymer modified mortar, bond aid for plasters, gunning aid, silicoon based water repellent materials, protective and decorative coatings, injection grout for cracks, coatings to embedded reinforcement, concrete repair systems, stages of repair works.

Unit-VI: Non-destructive testing of concrete: Introduction, rebound hammer, limitations, rebound number and strength of concrete, penetration technique, pullout test, resonant frequency, pulse velocity method, corrosion analyser, rebar locators. Students must be shown video CD, slides, transparencies and photograph of actual structures.

BOOKS RECOMMENDED:

1. Lea, F. M.: The Chemistry of Cement and Concrete, Edward Arnold (Publishers) Ltd.
2. Neville, A. M.: Properties of Concrete, Pitman Publishing Company.
3. Neville, Brooks: Concrete Technology, ELBS
4. Orchard, D. F.: Concrete Technology, Applied Science Pub Ltd.
5. Shetty, M. S.: Concrete Technology, S. Chand
6. Vanshney, R. S.: Concrete Technology, Oxford Pub. House.
7. Krishna Raju: Design of Concrete Mixes, McGraw Hill.
8. Shah and Kale: Reinforced Cement Concrete Design,
9. Sushil Kumar: Treasure of Reinforced Cement Concrete

7CE05 PROFESSIONAL ELECTIVE-I (vii) ENVIRONMENTAL POLLUTION & RURAL SANITATION SECTION-A

Unit-I: General components of environment. Nature and scope of Environmental pollution, population growth, Degradation due to human activity. Episodes of Environmental pollution.

Unit-II: Water pollution-sources of water pollution, effects on water bodies, D.O. sag curve, pollution control measures, water pollution act

Noise pollution: sources of noise pollution, human tolerance levels, levels of exposure due to various sources, preventive and curative methods.

Unit-III: Report of field visit to municipal waste water treatment plant/ Industrial Effluent treatment plant.

SECTION-B

Unit-IV: Land pollution: solids its effect on the environment, various methods of collection, treatment and disposal of solid waste, Hazardous waste and risk analysis.

Unit V: Environmental Impact assessment: Need for EIA, elements of EIA, Environmental attributes, Nature of Impact -Primary, Secondary, Tertiary, Short Term & Long terms, Local & Regional.

Unit-VI: 1) Rural Sanitation - Collection & disposal of night soil, Sanitary Latrines.
2) Biogas plant - Capacity & Design.

BOOKS RECOMMENDED:

- 1) Mishra P.C.: Fundamentals of Air & Water Pollution.
- 2) Mohan I.: Environmental Pollution & Management, Ashish Pub. House, New Delhi-110026
- 3) Gilbert M. Masters: Introduction to Environmental Engg. & Science.

7CE05 PROFESSIONAL ELECTIVE-I (viii) ADVANCED EARTHQUAKE ENGINEERING SECTION-A

Unit I: Behaviour of structures in past earthquakes: lessons learnt with regards to weak / strong aspects of structural systems.
Ground motion characteristics: choice of ground motion for a major project site.

8CE04 **PROFESSIONAL ELECTIVE-II**
(iv) **DAM ENGINEERING**
SECTION -A

Unit-I : Introduction to Dam Engineering : Different classification for dams, relative advantages and disadvantages of various dam selection or types of dam, Investigation of dam sites, Engineering surveys, geological investigation, subsurface exploration programme, economic height of dam, Construction machinery, material, money, inventory.

Unit-II : Rockfill dam : Introduction, general characteristics, materials and testing of rockfill material, foundation of rockfill dam, design, **rockfill placement, examples**

Unit-III : Arch dam :- components, types, methods for design. Buttress dam : components, types, forces acting, Buttress spacing, Master curve for economic spacing, preliminary design Solid Gravity dams : Analysis & Design of gravity dam.

SECTION-B

Unit-IV : Spillways: choice of types, crest gates, hydraulic design, comparison, approach and tail channel, J.H.C. & tail water rating curve Energy Dissipaters: types, components, design of hydraulic jump type, basins, ski-bucket type, roller bucket.

Unit-V : Head Regulators : requirements, types, foundation treatment including uplift consideration, Bank connection, energy dissipation, hydraulic design of opening and barrel, ventilation, types of gates.

Approach Channel, case study for one on rock foundation and one on permeable foundation.
Model Studies: scales design principles, materials, scale effects for model of dams spillways.

Unit-VI : Instrumentation : In earth dam and solid gravity dams, piezo meters, settlement, gauges, (surface monuments, base plate, cross arm) strain meters joint meters, thermometers, stress meters, pore pressure cells, plumb-bob Seismograph. Water level gauges (description, object, location, working, installation of each, design not expected)

Special problems: increasing height of masonry and concrete dams, strengthening, repairs and maintenance, leakage, evaporation controls. evaporation controls.

BOOKS RECOMMENDED:

- 1) Sharma H.D: Concrete Dams, Metropolitan Book Co, Delhi.
- 2) Varshney R.S. : Concrete Dam, Ox IBH, Mumbai.

- 3) Sherard et al : Earth and Rockfill Dam, John Wiley, New York.
- 4) USBR : Design of Small Dams.
- 5) USBR : Design of Large Dams.
- 6) Peurifoy R.L. : Construction, Planning and Equipments, McGraw Hill Book Co.
- 7) Satyanarayanan : Construction, Planning & Equipment, Standard Pub.
- 8) USBR : Design of Gravity Dam.

8CE04 **PROFESSIONAL ELECTIVE-II**
(v) **ADVANCED ENGINEERING GEOLOGY**
SECTION -A

Unit I : A) Geology & engineering characters of Basalts & other rock formations : study of rock formations of Maharashtra older than Deccantrap from Civil engineering point of view, field characters of basalt flows and older formations which are significant from dam foundation, tunnelling work, watershed development including percolation tanks and construction material.

(B) Geology of dam & reservoir's : bearing capacity & water tightness of different types of rocks occurring in Maharashtra from construction of gravity dam with important case histories of different dam sites in Maharashtra whose geological problems were encountered and remedial measures were adopted. Set of geological conditions which lead to tail channel erosion with case histories of different dam sites.

(C) Geology of tunnel alignment : geological factors responsible for overbreaks & percolation of water, various geological structures which affects the tunnelling works. Case histories of tunnels & hydro-electric projects, roads, railways & canals driven through different types of Basalts & other rocks occur in Maharashtra.

Unit II : (A) Seismological studies : factors to be to safeguard gravity dams. Detailed studies of active & dead faults. Type & design aspect of the dam to be constructed in seismic zone with case histories.

(B) Percolation tanks : importance of geological studies for the selection of sites for percolation tanks, geological studies of watershed development projects in Maharashtra including Raleganshindi & Vidarbha region.

9-20
civil

P R Pote Patil College of Engineering & Management, Amravati

Department of Civil Engineering

Sub: - Non-Conventional Energy System NCES - 6FEME05

Date of Introduction :- December 2019

Syllabus

UNIT I :

Introduction :- Renewable & Nonrenewable sources.

Solar Radiation : Solar constant, basic earth-sun angles. Spectral distribution of extra-terrestrial radiations & its variation. Solar time, Direction of beam radiation, computation of radiation on inclined surfaces. (7 Hrs)

UNIT II:

Radiation Transmission through covers:- Reflection and absorption of radiation, optical properties of cover systems transmittance effects of surface layers on transmittance, transmittance absorptance product.

Solar Energy collections:- Heat transfer for solar energy utilization, flat plate collectors such as liquid & air collector. Introduction to various systems of concentrating collectors. (7 Hrs)

UNIT III :

Solar energy Utilization:- Application of solar energy in heating, cooling, pumping, power production, distillation, drying, solar cookers, solar pond, solar furnace.

Solar Energy Storage :- Methods of storage such as sensible, latent heat & thermochemical storage, selection of method of storage, properties of storage materials and different arrangements of storages. (No analytical treatment) (7 Hrs)

UNIT IV:

Tidal Power:- types of tidal plants such as single and two basin plants, power developed & operation of tidal power plant. Ocean thermal energy conversion system. Ocean temp. profile, OTE power plant development, controlled flash evaporation, indirect vapour cycle.

Wind Power:- Wind speed data, power in the wind, wind power development, types of wind mills, application for pumping and power generation. (No numerical) (7 Hrs)

UNIT V:

Biomass Energy Resources: Mechanism of green plant photosynthesis. efficiency of conversion, solar energy plantation, biogas – Types of biogas plants, factors affecting production rates. Pyrolysis, Gasifiers : Types & classification. Straight vegetable oils as a liquid fuels and their properties. Introduction to bio-diesel as a diesel engine fuel. (7 Hrs)

UNIT VI :Direct Energy Conversion:-

Photo voltaic cells : Principle, concept of energy conversion, conversion efficiency, power output and performance, storage.

Fuel Cells: Principles types of fuel cells, conversion efficiency.

Geothermal Energy: Resources, power generation methods like vapour dominated. water dominated, flash steam, binary fluid and total flow concept of power generation. (7 Hrs)


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

Content

1.3.1

Sr. No.	Particulars	Page No.
1	Cover Page	3
2	C, C++, Introduction of Java and Python	5-10
3	Arduino & Sensor Interfacing	11-12
4	Arduino & Sensor interfacing with Introduction to IoT	13-17
5	Machine learning & App. Development	18-22
6	Two days Technical workshop on “Introduction of MATLAB Simulink and Programming used for Electrical Engineers	23-31
7	Hands on Training on “Arduino & Wifi Module Esp8266 with Projects”	32-35
8	Circuit simulation using Proteus ISIS and PCB design by ARES	36-42
9	07 days workshop on Industrial Automation – Plc/Scada	43
10	Guest lecture on “Estimation and Billing, E-tendering” by Er. Pravin Munde	44-48
11	Site Visit for Observation of the different rocks, folds & faults at Salbardi.	49-51
12	Site Visit to Gurumauli Ashram Shala, Karla to get idea of construction by “Coffer Technology”.	52-56
13	Site Visit to Wastewater Treatment Plant for observing the different terms like aeration tank, sedimentation tank.	57-59
14	Guest lecture on “Civil Engineering Softwares” by Er.Somwanshi and Er.Joshi	60-64
15	Guest lecture on “GATE and IES Exam preparation”	65-69
16	Guest lecture on “Innovation for Present and Future” by Ar. Nilesh R. Rahate to enlighten the ideas of innovation as per the need of the industry	70-73
17	Site Visit to construction of the bridge at Kamunja	74-76
18	Guest lecture on “National Level awareness program(NLT)” by Er.R.M.Khodke to provide guideline about how to setup business	77-81

19	Site Visit to ANMOL Ready Mix concrete plant to understand the science behind quality of concrete proportion and automation	82-84
20	Site Visit to WAN Dam to get idea of components like foundation gallery, inspection gallery, spillway gallery and other components of Dam	85-87
21	Advanced Technologies for Professional Career Development	89
22	Two Day Workshop on Static Website Development	90
23	Three Day Workshop on Python Programming	91
24	IIT Spoken Tutorial Session on Python	92
25	Ablaze Technical Event 2019	99-111
26	One Day Workshop on Testing	112-114
27	How to prepare for the interview ,Webinar by Mrs. Yogita Deshpande	115
28	Presenting and speaking in public, Webinar Mrs. Aradhana Vaidya Principal Bhartiya mahavidyalaya	116
29	How to overcome inferiority complex Webinar byDr Anuradha Totey	117
30	Resume Building and Personality Development by Akshata Mehata working as HR Manager at Singapore	118
31	Promising Domains / Technologies in MarketWebinar by Mr Akshay Morkhade working as marketing automation specialist at BMC soft	118
32	Kick start your career with DevOps and cloud By Mr Aanand Deshmukh DevOps consultant at Cybage	119
33	Information Management and Data Science Webinar by Mr Mangesh Tayade Independent IT Management Consultant	119
34	One Day Workshop on Financial Budget	121-122
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NAAC Criteria-1

AQAR 2019 - 20

List of Supporting Documents

Item No.	Content
1.3.1	Value- added course imparting transferable life skills offered during the year

Department of Electronics & Telecommunication Engineering
Events, Activities and Workshop Organized During Year 2019-20

Sr. No.	Action Taken	Topic	Speaker/ Resource Person/Organizer	Date	No. of Students
1	Workshop on C, C++,Java & Python ✓	Workshop	Mr. Harish Chopkar Mr. Abhijeet Chitwar (Webgurukul)	17/06/19 to 30/06/19	40
2	Guest Lecture on "GATE Awareness Programme & opportunities"	Guest Lecture	Mr. Tejas Kalpande, IISc Bangalore	09/07/2019	60
3	Guest Lecture on "Musical Meditation"	Guest Lecture	ETSA Mr. Dorric Shah	10/07/2019	60
4	Guest Lecture on "Opportunities for Electronics students in VLSI Industry"	Guest Lecture	ETSA/ Mr. Akash Joshi, VNIT Nagpur	03/08/2019	40
5	Workshop on "Arduino and Sensor Interfacing" ✓	Workshop	ETSA/Expert Prof. M. D. Bharti	05/08/2019	40
6	Guest lecture on "How to prepare for MS"	Guest Lect. & ETSA Inau.	Mr. Prasad Nandurkar, System Engineer, Audi Automotive, Germany	07/08/2019	60
6	Workshop on "Arduino and Sensor Interfacing with Introduction to IoT" ✓	Workshop	ETSA/ Expert Prof. Aniket R. Pawade	23/08/2019 to 25/08/2019	40
7	Guest Lecture on "Internet of Things-Myths and Reality"	Guest Lecture	ETSA/ Prof. M. D. Bharti.	28/08/2019	30
8	Workshop "Machine Learning & App. Development" ✓	Workshop	Mr. Kalpesh Beldar CEO & Founder, Beldar Tech-Flake	05/09/2019	40



P. R. Pote (Patil) Education & Welfare Trust's Group of Institution
COLLEGE OF ENGINEERING & MANAGEMENT
Department of Electronics and Telecommunication



ELECTRONICS AND TELECOMMUNICATION STUDENT ASSOCIATION (ETSA)

Report

On

“Brainstorming”

C, C++, Java & Python Workshop

Department of Electronics & Telecommunication Student Association (ETSA), student forum Amravati, had organized 8 day workshop on “Brainstorming C, C++, Java & Python” from 17th to 30th June 2019. The workshop conducted in association with Webgurukul. The expert person for the workshop was Mr. Harish Chopkar and Mr. Abhijeet Chitwar.

Webgurukul team deliver the most essential aspect of core programming language with effective easy training methodology. Students appreciate the efforts taken by experts and coordinator.



P. R. Pote (Patil) Educational and Welfare Trust's, Group of Institutions,

College of Engineering and Management, Amravati

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

"WORKSHOP ON C, C++, JAVA & PYTHON"

Attendance-2019-20

Sr. No.	Name of Student	Dept.	Year	Sign
1	Ms. AartiGade	EXTC	II	A. Gade
2	Ms. AboliArunPahurkar	EXTC	II	
3	Ms. Amruta R. Khalokar	EXTC	II	Khalokar
4	Ms. AnkitaWankhede	EXTC	II	Wankhede
5	Ms. Chetna L. Maske	EXTC	II	
6	Ms. DhartiKhadse	EXTC	II	Khadse
7	Ms. DivyaKishorBhoyar	EXTC	II	
8	Ms. KomalBansod	EXTC	II	
9	Ms. Lavina R. Thakur	EXTC	II	Thakur
10	Ms. MonaliBhutada	EXTC	II	
11	Ms. Nainika A. Gangane	EXTC	II	
12	Ms. RoshaniAnde	EXTC	II	Ande
13	Ms. RuchaAkarte	EXTC	II	
14	Ms. Rutuja Dinesh Kolhe	EXTC	II	R. Kolhe
15	Ms. Rutuja S. Thakare	EXTC	II	
16	Ms. S. Firdous	EXTC	II	
17	Ms. SakshiBhabutkar	EXTC	II	S. Bhabutkar
18	Ms. Sakshi S. Bhonde	EXTC	II	
19	Ms. Samiksha Thakur	EXTC	II	Thakur

Sr. No.	Name of Student	Dept.	Year	Sign
20	Ms. Shreya Mohod	EXTC	II	<i>Shreya Mohod</i>
21	Ms. Shweta Gaikwad	EXTC	II	
22	Ms. Vaishnavi Bawner	EXTC	II	<i>Vaishnavi Bawner</i>
23	Ms. Yogita Dhokane	EXTC	II	
24	Mr. Abhijeet Gupta	EXTC	II	<i>Abhijeet Gupta</i>
25	Mr. Abhijit Katore	EXTC	II	
26	Mr. Ashwik Bire	EXTC	II	
27	Mr. Avinash Tekwani	EXTC	II	<i>Avinash Tekwani</i>
28	Mr. Dinesh Wankhade	EXTC	II	<i>Dinesh Wankhade</i>
29	Mr. Hrutvik D. Dalvi	EXTC	II	
30	Mr. Kapil G. Agrawal	EXTC	II	<i>Kapil G. Agrawal</i>
31	Mr. Krushna Bhattad	EXTC	II	
32	Mr. Prajwal Bharsakle	EXTC	II	<i>Prajwal Bharsakle</i>
33	Mr. Prajwal Gotmare	EXTC	II	<i>Prajwal Gotmare</i>
34	Mr. Pranav Jawanjaj	EXTC	II	
35	Mr. Rudresh Pasarkar	EXTC	II	<i>Rudresh Pasarkar</i>
36	Mr. Shantanu Shirbhate	EXTC	II	
37	Mr. Shardul Bhogaonkar	EXTC	II	
38	Mr. Shreyas Nagpure	EXTC	II	<i>Shreyas Nagpure</i>
39	Mr. Shreyas Pethe	EXTC	II	
40	Mr. Shubham Mhaske	EXTC	II	<i>Shubham Mhaske</i>
41	Mr. Swapnil Makode	EXTC	II	
42	Mr. Tilak Chandele	EXTC	II	
43	Mr. Virendra Kande	EXTC	II	

A. R. Pawar

H.O. (EXTC Dept.)
P.R. Patil
College of Engg. & Management
July 2022

C++

$$(35) + 10 = 45$$

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

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

"Workshop on c, C++, Java & Python"

Attendance- Session 2019-20

Sr. No.	Name of Student	Dept.	Year	Sign
1	Ku. Aachal Wankhade	EXTC	IV	<i>Aachal Wankhade</i>
2	Ku. Aishwarya Deshmukh	EXTC	IV	
3	Ku. Anjali Habbu Nandurkar	EXTC	IV	<i>Anandeshkar</i>
4	Ku. Arati S. Nagpure	EXTC	IV	<i>Arati Nagpure</i>
5	Ku. Deeksha S Kshirsagar	EXTC	IV	<i>Deeksha Kshirsagar</i>
6	Ku. Kshitiya W Ghatol	EXTC	IV	
7	Ku. Manju S Vinchurkar	EXTC	IV	<i>Vinchurkar</i>
8	Ku. Mayuri Chaudhary	EXTC	IV	<i>Chaudhary</i>
9	Ku. Mrunal Rajabhai Radake	EXTC	IV	<i>Radake</i>
10	Ku. Mrunmai Bagalkar	EXTC	IV	<i>Bagalkar</i>
11	Ku. Neha Sunil Kubade	EXTC	IV	
12	Ku. Nikita Dilip Fasate	EXTC	IV	<i>Nikita Fasate</i>
13	Ku. Nitisha Ganpat Bari	EXTC	IV	<i>Bari</i>
14	Ku. Poojalshwardas Bairagi	EXTC	IV	
15	Ku. Poonam U Gawande	EXTC	IV	<i>Gawande</i>
16	Ku. Pranita Nandu Ubhad	EXTC	IV	<i>Ubhad</i>
17	Ku. Priti Padmakar Wankhade	EXTC	IV	
18	Ku. Priyanka Santosh Dhawale	EXTC	IV	<i>Dhawale</i>
19	Ku. Punam Gajanan Bharanib	EXTC	IV	<i>Bharanib</i>

Sr. No.		Dept.	Year	Sign
20	Ku. Purva Shankar Rokade	EXTC	IV	<i>P. Rokade</i>
21	Ku. Radhika R Shahakar	EXTC	IV	
22	Ku. Samrudhi M Harode	EXTC	IV	<i>S. Harode</i>
23	Ku. Shital Sanjay Sonare	EXTC	IV	<i>S. Sonare</i>
24	Ku. Shital Santosh Hirkane	EXTC	IV	
25	Ku. Shivani Kene	EXTC	IV	
26	Ku. Shraddha Dhanraj Nimkar	EXTC	IV	<i>S. Nimkar</i>
27	Ku. Shrutika Vilasrao Yenkar	EXTC	IV	<i>S. Yenkar</i>
28	Ku. Shweta R Dandage	EXTC	IV	
29	Ku. Vaishnavi Sawarkar	EXTC	IV	<i>V. Sawarkar</i>
30	Ku. Vaishnavi Wankhade	EXTC	IV	<i>V. Wankhade</i>
31	Ku. Vijaya Pramod Gulhane	EXTC	IV	
32	Mr. Aditya Ashokrao Aherkar	EXTC	IV	<i>A. Aherkar</i>
33	Mr. Ajay Mishra	EXTC	IV	
34	Mr. Arjun Pratapsingh Chauhan	EXTC	IV	<i>A. Chauhan</i>
35	Mr. Bhushan Wankhade	EXTC	IV	<i>B. Wankhade</i>
36	Mr. Gaurav Kale	EXTC	IV	
37	Mr. Gopal Rambhau Kale	EXTC	IV	<i>G. Kale</i>
38	Mr. Harshal Umakant Kakde	EXTC	IV	
39	Mr. Manoj Sharad Kudave	EXTC	IV	<i>M. Kudave</i>
40	Mr. Mayur Narendra Jirapure	EXTC	IV	
41	Mr. Nayan P. Chandore	EXTC	IV	<i>N. Chandore</i>
42	Mr. Piyush Narndra Bhatkar	EXTC	IV	
43	Mr. Pratik Suniirao Tembale	EXTC	IV	<i>P. Tembale</i>

Sr. No.	Name of Student	Dept.	Year	Sign
44	Mr. RehanSyadAkram	EXTC	IV	<i>Rehan</i>
45	Mr. Sanjaykumar S Sodani	EXTC	IV	<i>Sodani</i>
46	Mr. SarthakKandalkar	EXTC	IV	
47	Mr. ShivamSubhashMotharkar	EXTC	IV	<i>Shivam</i>
48	Mr. ShubhamAmbekar	EXTC	IV	<i>Shubham</i>
49	Mr. SiddeshwarKhanduji Dhole	EXTC	IV	
50	Mr. SumitKanaskar	EXTC	IV	
51	Mr. VikasKonge	EXTC	IV	<i>Vikas</i>

Account
A.R. Pawale

RR
H.O.D. (EXTC Dept.)
P.R. Pole (Paul) College of Engg. & Management
Amravati.

13.2
EXTC
2019-20



P. R. Pote (Patil) Education & Welfare Trust's Group of Institution
COLLEGE OF ENGINEERING & MANAGEMENT
Department of Electronics and Telecommunication



ELECTRONICS AND TELECOMMUNICATION STUDENT ASSOCIATION (ETSA)

Workshop Report on
“Arduino and Sensor Interfacing”
5th August 2019

Department of Electronics & Telecommunication Student Association (ETSA) organized two days' workshop on **“Arduino and Sensor Interfacing”**, on 5th Aug 2019 at Seminar Hall of P. R. Pote (Patil) College of Engineering & Management, Amravati. PRPCEM ETSA Student members and students from various engineering colleges were present for the workshop. HOD of Electronics & Telecommunication Engineering Department Dr. R. D. Ghongade delivered a welcome speech and introduced the workshop expert Prof. M. D. Bharti. Vice Principal of PRPCEM Prof. P. R. Wadnerkar briefly explained the aim of conducting such new technology based workshop.

Workshop Objectives:

- To know new platforms of Arduino Board.
- Scope for future jobs in various industry.
- To get acquainted with Sensor Interfacing in the early stage.

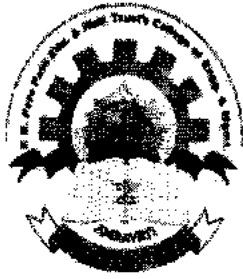
Morning session started with keynote lecture on Introduction to Arduino board by Prof. M. D. Bharati, director of MDB Electrosoft and his team. It provided the insights of Arduino applications such as led interfacing, Ultrasonic interfacing, dht11 interfacing, in afternoon session hands on experience was provided with Arduino device and its applications.

At valedictory ceremony, the participants were awarded the certificates and provided with the Arduino kit to continue their journey with Arduino. Finally, the workshop was wined up with vote of thanks by Prof. G.D. Dalvi.



Dr. R. D. Ghongade


(Head of Department)



WORKSHOP ON

“ARDUINO AND SENSOR INTERFACING WITH INTRODUCTION TO IoT”



Organized By,

Department of Electronics and Telecommunication

P. R. Pote (Patil) Education & Welfare Trust's Group Of Institution

College Of Engineering & Management

Details about Workshop

Subject	:	Arduino Programming & IoT
How it will be useful to students		Arduino is an open-source electronics platform based on easy-to-use hardware and software. Arduino boards are able to read inputs - light on a sensor, a finger on a button, or a Twitter message - and turn it into an output- activating a motor, turning on an LED, publishing something online. You can tell your board what to do by sending a set of instructions to the microcontroller on the board. To do so you use the Arduino programming language (based on Wiring), and the Arduino Software (IDE), based on Processing.
What Skill will be developed	:	Programming Skill will be developed. They will read data from board, on sensor. Understand the concept behind smart cities, smart wearable's & smart switches. Attended will be capable of designing any application byintegrating multidisciplinary concepts and can understand all the process of smart products like smart switches, smart watches, smart meters etc.
Branch	:	Electronics & Telecommunication
Year	:	3rd Year
Date	:	23 to 25 Aug
Venue	:	DSP Lab EXTC Dept.
Expert	:	Prof. Aniket. R. Pawade Asst. Professor (PRPCEM)

415
MDB
Arduino

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

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

"Arduino and sensor interfacing"

Attendance -2019-20

Sr. No.	Name of Student	Dept.	Year	Sign
1	Ms. AnkitaDeshmukh	EXTC	III	Deshmukh
2	Ms. Anuja Dinesh Tarale	EXTC	III	Anuja.
3	Ms. Anuja R. Hingne	EXTC	III	Hingne.
4	Ms. Apurva G. Pathare	EXTC	III	Pathare
5	Ms. AshwiniPawar	EXTC	III	-
6	Ms. Avanti A. Tekadpande	EXTC	III	Ahvanti.
7	Ms. Barakha P. Nirapure	EXTC	III	Nirapur.
8	Ms. Dhanashri S. Chaudhari	EXTC	III	Chaudhari.
9	Ms. Dhanashri S. Bhojapure	EXTC	III	-
10	Ms. DikshaAmbadkar	EXTC	III	Ambadkar
11	Ms. Disha N. Gharat	EXTC	III	Gharat.
12	Ms. Divya D. Kharbade	EXTC	III	-
13	Ms. Ekta M. Borkar	EXTC	III	Borkar
14	Ms. Ekta Rajesh Kodhe	EXTC	III	Kodhe.
15	Ms. Kranti P. Thakare	EXTC	III	-
16	Ms. Mansi D. Sanghani	EXTC	III	Sanghani
17	Ms. Mrunal S. Deshmukh	EXTC	III	Mrunal
18	Ms. Mrunali D. Mohod	EXTC	III	Mohod.
19	Ms. Neha V. Mankar	EXTC	III	Neha.

Sr. No.	Name of Student	Dept.	Year	Sign
20	Ms. Pooja G. Ambalkal	EXTC	III	Ambalkal
21	Ms. Pratiksha D. Sabale	EXTC	III	-
22	Ms. Rakhi Jawanjal	EXTC	III	Jawanjal
23	Ms. Rewati U. Sapkal	EXTC	III	-
24	Ms. Rupali V. Marke	EXTC	III	Rupali
25	Ms. Rutuja P. Ghatole	EXTC	III	Ghatole
26	Ms. Rutuja S. Pundkar	EXTC	III	-
27	Ms. Rutuja S. Kalbande	EXTC	III	Kalbande
28	Ms. Sakshi S. Malasane	EXTC	III	Malasane
29	Ms. Sakshi Suresh Tidake	EXTC	III	Tidake
30	Ms. Saloni Sanjay Gupta	EXTC	III	-
31	Ms. Samiksha Duryodhan	EXTC	III	Samiksha
32	Ms. Shamal Kalmegh	EXTC	III	Kalmegh
33	Ms. Shraddha S. Harane	EXTC	III	Harane
34	Ms. Shubhangi Bambal	EXTC	III	Bambal
35	Ms. Shruti Belokar	EXTC	III	Belokar
36	Ms. Shweta M. Anasane	EXTC	III	-
37	Ms. Snehal V. Bharsakale	EXTC	III	Bharsakale
38	Ms. Surabhi S. Dhole	EXTC	III	Dhole
39	Ms. Tanvi Vijayrao Watane	EXTC	III	Watane
40	Ms. Ujwal Rajendra Deole	EXTC	III	-
41	Ms. Vaishali L. Bhongade	EXTC	III	Bhongade
42	Ms. Vaishnavi D. Harane	EXTC	III	Vaishnavi
43	Mr. Adarsh A. Rawankar	EXTC	III	Rawankar

Sr. No.	Name of Student	Dept.	Year	Sign
44	Mr. Akshay G. Hatwar	EXTC	III	Hatwar
45	Mr. Ashish D. Patekar	EXTC	III	Ashish
46	Mr. Dhananjay S. Katre	EXTC	III	-
47	Mr. Gaurav Paikrao	EXTC	III	Gaurav
48	Mr. Kartik R. Kakad	EXTC	III	Kakad
49	Mr. Mandar S. Bhalerao	EXTC	III	-
50	Mr. Manish Jagdish Band	EXTC	III	Band
51	Mr. Pawan S. Langote	EXTC	III	Langote
52	Mr. Pratik Sanjay Giramkar	EXTC	III	Giramkar
53	Mr. Pravin Santosh Rathod	EXTC	III	Pravin
54	Mr. Shailesh A. Wankhade	EXTC	III	Wankhade
55	Mr. Shubham Rathod	EXTC	III	Shubham
56	Mr. Shubham Shende	EXTC	III	shende
57	Mr. Sunny D. Tawar	EXTC	III	Sunny

A. R. Pawate.

P.P.
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

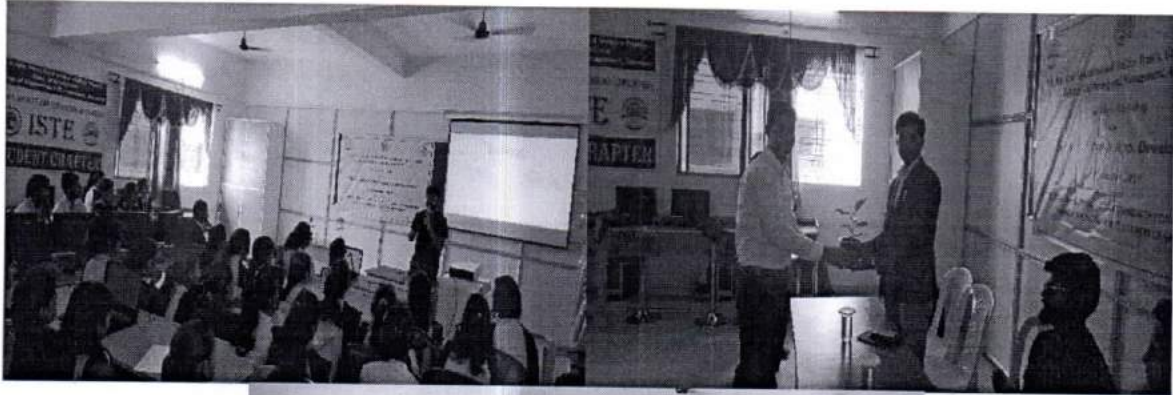
ELECTRONICS AND TELECOMMUNICATION STUDENT ASSOCIATION (ETSA)


Workshop Report on
“Machine Learning & App. Development”
5th September 2019

Department of Electronics & Telecommunication Engineering Student Association (ETSA), ISTE & IETE student's chapter organized one day workshop on “**Machine Learning & App. Development**”, on 5th Sept. 2019 at DSP Lab of P. R. Pote (Patil) College of Engineering & Management, Amravati. Workshop was conducted by expert Mr. Kalpesh Beldar (CEO & Founder, Beldar Tech-Flake, Network security engineer, Google India (Mumbai)) & Amit Khachane (DSC Lead, Crowdsourcing representative, Tech Speaker. Around 40 students from 3rd level EXTC branch took part in this workshop. Main focus of the workshop was to do hands on practical with Machine learning tools. There is a wide range of open source machine learning frameworks available like Orange tool, Apache Singa, Amazon Machine Learning (AML) etc. in the markets, which enable machine learning engineers to build, implement and maintain machine learning systems, generate new projects and create new impactful machine learning systems.

Machine learning explores the area of algorithms, which can make high end predictions on data. In recent times, machine learning has been deployed in a wide range of computing tasks, where designing efficient algorithms and programs becomes rather difficult, such as email spam filtering, optical character recognition, search engine improvement, digital image processing, data mining, etc. workshop also focus on Android app development from scratch and design thinking including how to think of an idea, implementing it with Android Studio.

Overall student learnt the basics of working with various machine learning framework & Android app development. Feedback students was collected and it suggested that they welcomed this initiative and they are motivated to explore more dimension in this platform also they are willing to use this tools in their projects in future.




Dr. R. D. Ghongade

H.O.D. (EXTC 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 ELECTRONICS & TELECOMMUNICATION ENGINEERING

"Machine Learning & APP Development"

Attendance -2019-20

Sr. No.	Name of Student	Dept.	Year	Sign
1	Ms. AnkitaDeshmukh	EXTC	III	<i>A. Deshmukh</i>
2	Ms. Anuja Dinesh Tarale	EXTC	III	<i>A. Tarale</i>
3	Ms. Anuja R. Hingne	EXTC	III	<i>A. Hingne</i>
4	Ms. Apurva G. Pathare	EXTC	III	
5	Ms. AshwiniPawar	EXTC	III	<i>A. Pawar</i>
6	Ms. Avanti A. Tekadpande	EXTC	III	
7	Ms. Barakha P. Nirapure	EXTC	III	<i>B. Nirapure</i>
8	Ms. Dhanashri S. Chaudhari	EXTC	III	<i>D. Chaudhari</i>
9	Ms. Dhanashri S. Bhojapure	EXTC	III	<i>D. Bhojapure</i>
10	Ms. DikshaAmbadkar	EXTC	III	<i>D. Ambadkar</i>
11	Ms. Disha N. Gharat	EXTC	III	
12	Ms. Divya D. Kharbade	EXTC	III	<i>D. Kharbade</i>
13	Ms. Ekta M. Borkar	EXTC	III	<i>E. Borkar</i>
14	Ms. Ekta Rajesh Kodhe	EXTC	III	<i>E. Kodhe</i>
15	Ms. Kranti P. Thakare	EXTC	III	<i>K. Thakare</i>
16	Ms. Mansi D. Sanghani	EXTC	III	
17	Ms. Mrunal S. Deshmukh	EXTC	III	<i>M. Deshmukh</i>
18	Ms. Mrunali D. Mohod	EXTC	III	
19	Ms. Neha.V. Mankar	EXTC	III	<i>N. Mankar</i>

Sr. No.	Name of Student	Dept.	Year	Sign
20	Ms. Pooja G. Ambalkal	EXTC	III	<i>P. Ambalkal</i>
21	Ms. Pratiksha D. Sabale	EXTC	III	<i>P. Sabale</i>
22	Ms. Rakhi Jawanjai	EXTC	III	<i>R. Jawanjai</i>
23	Ms. Rewati U. Sapkal	EXTC	III	
24	Ms. Rupali V. Marke	EXTC	III	<i>R. Marke</i>
25	Ms. Rutuja P. Ghatole	EXTC	III	<i>R. Ghatole</i>
26	Ms. Rutuja S. Pundkar	EXTC	III	
27	Ms. Rutuja S. Kalbande	EXTC	III	<i>R. Kalbande</i>
28	Ms. Sakshi S. Malasane	EXTC	III	<i>S. Malasane</i>
29	Ms. Sakshi Suresh Tidake	EXTC	III	
30	Ms. Saloni Sanjay Gupta	EXTC	III	<i>S. Gupta</i>
31	Ms. Samiksha Duryodhan	EXTC	III	
32	Ms. Shamal Kalmegh	EXTC	III	<i>S. Kalmegh</i>
33	Ms. Shraddha S. Harane	EXTC	III	<i>S. Harane</i>
34	Ms. Shubhangi Bambal	EXTC	III	<i>S. Bambal</i>
35	Ms. Shruti Belokar	EXTC	III	<i>S. Belokar</i>
36	Ms. Shweta M. Anasane	EXTC	III	<i>S. Anasane</i>
37	Ms. Snehal V. Bharsakale	EXTC	III	<i>S. Bharsakale</i>
38	Ms. Surabhi S. Dhole	EXTC	III	<i>S. Dhole</i>
39	Ms. Tanvi Vijayrao Watane	EXTC	III	<i>T. Watane</i>
40	Ms. Ujwal Rajendra Deole	EXTC	III	<i>U. Deole</i>
41	Ms. Vaishali L. Bhongade	EXTC	III	<i>V. Bhongade</i>
42	Ms. Vaishnavi D. Harane	EXTC	III	
43	Mr. Adarsh A. Rawankar	EXTC	III	<i>A. Rawankar</i>

Sr. No.	Name of Student	Dept.	Year	Sign
44	Mr. Akshay G. Hatwar	EXTC	III	<i>Akshay G. Hatwar</i>
45	Mr. Ashish D. Patekar	EXTC	III	<i>Ashish D. Patekar</i>
46	Mr. Dhananjay S. Katre	EXTC	III	
47	Mr. Gaurav Paikrao	EXTC	III	<i>Gaurav Paikrao</i>
48	Mr. Kartik R. Kakad	EXTC	III	<i>Kartik R. Kakad</i>
49	Mr. Mandar S. Bhalerao	EXTC	III	<i>Mandar S. Bhalerao</i>
50	Mr. Manish Jagdish Band	EXTC	III	<i>Manish Jagdish Band</i>
51	Mr. Pawan S. Langote	EXTC	III	<i>Pawan S. Langote</i>
52	Mr. Pratik Sanjay Giramkar	EXTC	III	
53	Mr. Pravin Santosh Rathod	EXTC	III	<i>Pravin Santosh Rathod</i>
54	Mr. Shailesh A. Wankhade	EXTC	III	<i>Shailesh A. Wankhade</i>
55	Mr. Shubham Rathod	EXTC	III	
56	Mr. Shubham Shende	EXTC	III	<i>Shubham Shende</i>
57	Mr. Sunny D. Tawar	EXTC	III	<i>Sunny D. Tawar</i>

A. R. Pawade
A. R. Pawade

P. R. Pote
H.O.B. (EXTC 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**

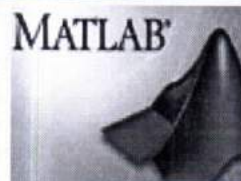
Department of Electrical Engineering



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

**Workshop
On**

**"Introduction of MATLAB Simulink and
Programming used for Electrical Engineers"**



Organized by
Department of Electrical Engineering

Conducted by
Prof. P.M.Mankar Prof.N.N.Sawade Prof.S.A.Kohale

19-20

Two Days Workshop

On

“Introduction of MATLAB Simulink and programming used for Electrical Engineering”

A two days workshop on **“Introduction of MATLAB Simulink and programming used for Electrical Engineering”** was conducted by Prof.P.M.Mankar, Prof N.N.Sawade and Prof.S.A.Kohale on 20th-21st July 2019. A hand on training was conducted at departmental computer centre.

The workshop was arranged with a motto to

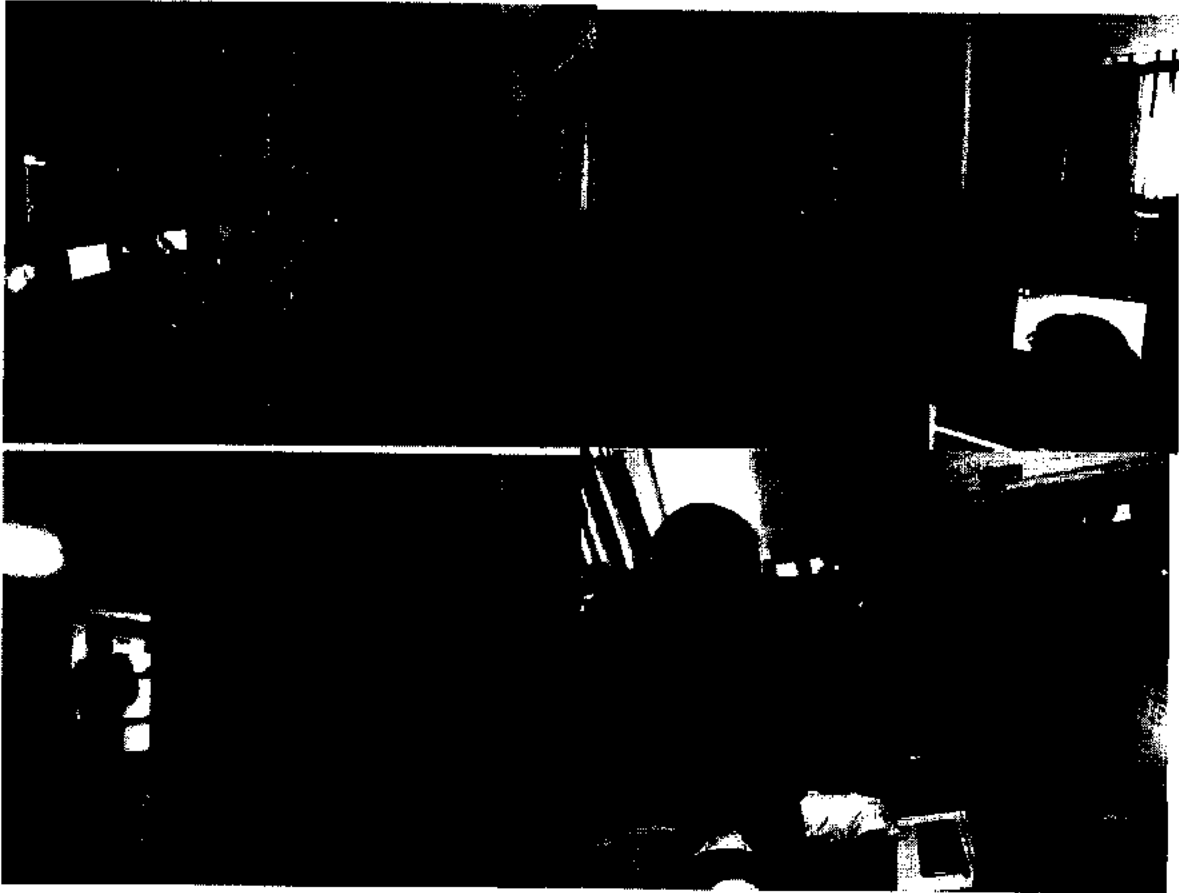
- Provide practical applications of real-world problems using MATLAB.
- Include a suite of practical examples and exercises that help students link the theoretical, the analytical and the computational method. These include a robust set of real-world exercises.
- The main goal of simulink model preparation is to ensure that the model is real-time capable.
- The MathWorks Simulink provides a modelbased design environment for the development of executable specs of dynamic systems.
- In particular, Students will acquire the ability to use MATLAB with effectiveness and efficiency.
- Last but not least this workshop is explicitly intended to teach the students how to design electrical model in simulink and acquire result graphically which will be beneficial for their graduation, post-graduation as well as future research studies.

Workshop Details

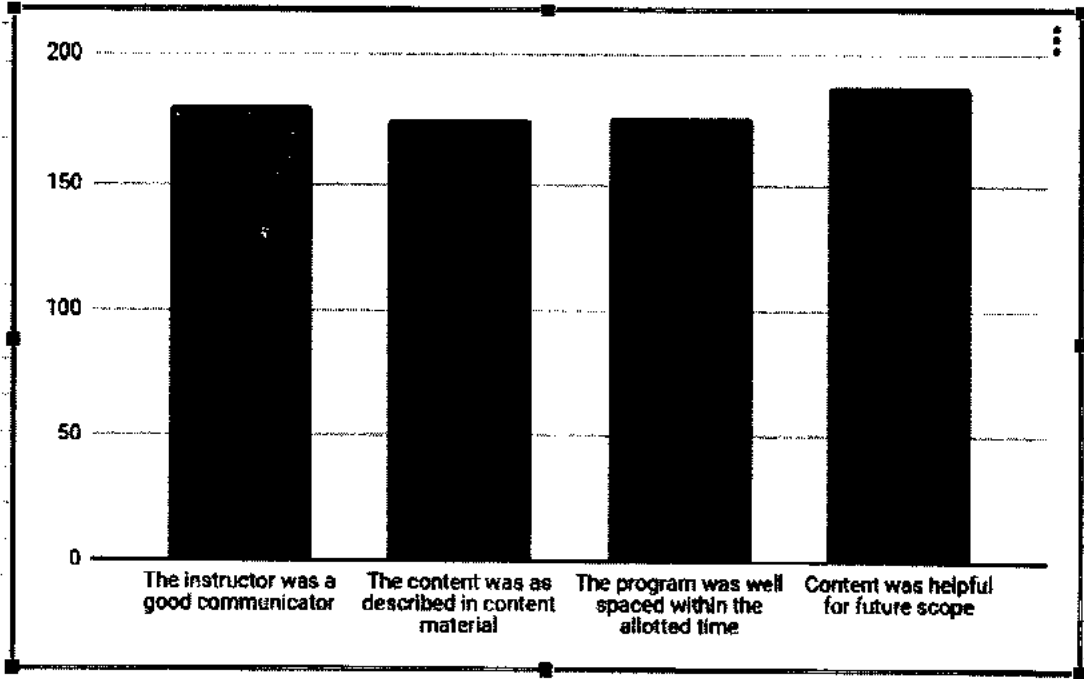
1.	Title of the Training Programme	“Introduction of MATLAB Simulink and programming used for Electrical Engineering”
2.	Broad Area of Training	Designing of electrical model in MATLAB Simulink and programming
3.	Objectives of Training Program	<ol style="list-style-type: none">1. Introduction of MATLAB and its application to different electrical circuit. Implementation of MATLAB Electrical Power System Tool.2. Hands on training of practical simulink model and programming through labpractice module.
4.	Outcomes expected from the Program	<ol style="list-style-type: none">1. Students will be benefitted in terms of learning to develop the simulation model through MATLAB.2. Students will get exposure to developing the idea of designing the circuit.3. Students will be able to compare the effectiveness of MATLAB simulation results with hardware results.4. Students will able to understand the basic of coding.
5.	Relevance	The objectives and the outcomes are beneficial to the students since the students have regular practice of developing electrical circuits in their practical session.


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

Photos:



Student Feedback:



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

**Two days workshop on "Introduction to MATLAB simulink and
programming used for electrical Engineers"**

**Workshop Attendance
Session: 2019-20**

Date:

Day 1

Sr. No.	Name of Student	Sign
1	Hitesh Prakash Bughate	<u>Bughate</u>
2	Mayur Sanjay Thorat	<u>Thorat</u>
3	Krishna Vijay Wankhade	<u>Wankhade</u>
4	Rani Balu Sakhe	<u>Sakhe</u>
5	Ruchita Bhavarao Chavate	<u>Chavate</u>
6	Pratiksha fakhirchand Gondaxe	<u>Gondaxe</u>
7	Pranali Dilip Babade	<u>Babade</u>
8	Deepika Balasaheb Songole	<u>Songole</u>
9	Kanchan Kisanrao Khondare	<u>Khondare</u>
10	Ku. Anushai Shivanand Khondokar	<u>Khondokar</u>
11	Ku. Pallavi Suresh Rao Pakhale	<u>Pakhale</u>
12	Ku. Pranali Natesh Rao Pakhale	<u>Pakhale</u>
13	Ku. Vaishnavi Diliprao Dahane	<u>Dahane</u>
14	Ku. Snehal Rajabhai pajage	<u>Pajage</u>
15	Ku. Mayuri Rajendra Mahajan	<u>Mahajan</u>
16	Anup Rajesh Thakare	<u>Thakare</u>
17	BHAVANA SANTAY MULE	<u>B.S.M.</u>
18	Yashodeep Ramesh Pakhale	<u>Pakhale</u>
19	Hansraj Satyendra Mandpe	<u>Hansraj.M.</u>
20	Abhishek Sanjayrao khope	<u>Khope</u>
21	Mayur Ramesh Derbhavkar	<u>Derbhavkar</u>
22	Dipak Dilip Rathod	<u>Rathod</u>

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


**Two days workshop on "Introduction to MATLAB simulink and
programming used for electrical Engineers"**

**Workshop Attendance
Session: 2019-20**

Date:

Day 2

Sr. No.	Name of Student	Sign
1	Krishna Vijay Wankhade	
2	Mayur Sanjay Thorat	
3	Shreyash Uttamrao Landge	
4	Rani Balu Sakhe	
5	Ruchita Bhaurao Chavate	
6	Pranali Dilip Bhabde	
7	Pratiksha Fakirchand Gondare	
8	Deepika Balasaheb Sangole	
9	Kanchan Kisanrao Khandare	
10	Ku. Anushi Shivnand Khemlekar	
11	Adarsh Gajanan Gadge	
12	Vyan Kesh. Sheikrushiqa. Hande	
13	P. Zenoli Nareeshrao Pakhalp	
14	Pallavi Sureshrao Pakhale	
15	Mayuri Rajendra Mahajan	
16	Vaishnavi Diliprao Dahane	
17	Snehal Rajabhau Pajage	
18	Bhavana Sanjay Mule	
19	Anuja Thakare	
20	Abhishek Dattarao Inyole	
21	AKASH Gajanan Nawalkar	
22	Saurabh Rameshrao Bhandare	

23	Ravindra Sanjay Rakhonde	Plakhas
24	Mayur Ramesh Deshmukh	M Deshmukh
25	Hansraj Satyendra Mandape	Hansraj M
26	Abhishek Sanjayrao Ichope	A Ichope
27	Rutik Anilrao Hiwase	R Hiwase
28	Ram Gajanan Malkhede	R B Malkhede
29	Prathamesh Uddhava Rao Tazele	P Tazele
30	Abhishek Subhash Shinde	A Shinde
31	Abhinav Subhashrao Shinde	A Shinde
32	Yashodeep Ramesh Pakhase	Pakhase
33	Hitesh Prakash Burghate	Burghate
34	Shubham Santosh Mahulkar	S Mahulkar
35	Tejas Satishrao Kale	Kale
36	Pankaj Vishnu Jatale	Pankaj
37	NAVEEKHAN S. SAUDAGAR	N Saudagar
39	Pranav Babanrao Choudhari	P Choudhari
		

Hands On Training On “Arduino & Wifi Module Esp8266 With Projects”

Date:20/8/2019 to 24/8/2019

Electrical Department had organized on Hands on Training on “Arduino & Wifi Module Esp8266 with Projects”, for Third year Electrical students from 20th to 24th, August 2019. Prof. A. A. Ghute, Assistant Professor, Department of EE, had trained the students and also promotes mini projects in the Department. It provides basic knowledge of programming. The main aim of this workshop to understand fundamentals of how to work with Arduino and ESP8266 modules. Also with this two software students will develop some practical applications which may be launched in product for industry, society, Agricultural sector etc.



Daily Fees Collection Report

Sr. No.	Name of the Student	Date	Class	Phone No.	Transaction ID	Amount
1	Abhinav Ganjiwale	22/10/20	III Year (Patil College)	9011244064	Bank Challan	15,000/-

Enclosure : Receipt s


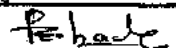
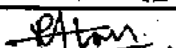
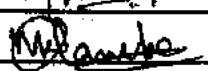

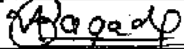



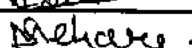
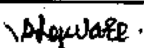







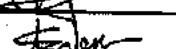
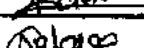
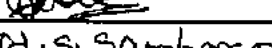
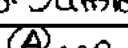
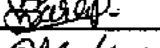
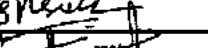
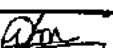
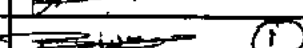

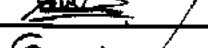
P.R.Pote (Patil) College of Engineering & Management Amravati

Department of Electrical Engineering


Session 2019-20

Student Registration For Arduino Workshop

From 20/08/2019 to 24/08/2019

Sr. No.	Name of the Students	Signature
1	Amit S. Mohakar	
2	Pragati P. Bobade	
3	Ragini M. Atram	
4	Manjiri M. Kalambe	
5	Prasad A. Raut	
6	Vishal A. Bagade	
7	Mansi G. Kulkarni	
8	Sanjana V. Bhavane	
9	Nikhil R. Bhave	
10	Mohit S. Mehare	
11	Babasaheb S. Jadhav	
12	Tushar V. Tembhare	
13	Vaibhav R. Chaware	
14	Shrirang P. Futane	
15	Rushikesh D. Dambale	
16	Vaibhav S. Hiwase	
17	Sakshi R. Hirulkar	
18	Devanshu S. Gayki	
19	Pallavi H. Manne	
20	Pooja R. Indhane	
21	Kanchan C. Gaikwad	
22	Sanchay R. Solanke	
23	Ashutosh R. Ahulake	
24	Moresh S. Sambare	
25	Ashwini M. Sarap	
26	Srushti V. Isokar	
27	Swapnil G. Tumbwad	
28	Nikita V. Mungane	
29	Rutik P. Bijwe	 (1)
30	Vaibhav S. Damle	 (1)
31	Radhika M. Mahalle	

Sr. No.	Name of the Students	Signature
32	Deep S. Kale	D.S.Kale.
33	Suvarna J. Bhople	S.J.Bhople.
34	Snehal B. Kadu	S.Kadu.
35	Mrunal S. Sadawarte	M.Sadawarte.
36	Chaitali P. Raut	C.P.Raut.
37	Komal S. Chavhan	K.S.Chavhan.
38	Vishakha S. Atkare	V.S.Atkare.
39	Sujay A. Bobade	
40	Snehal R. Wadhai	S.R.Wadhai.
41	Manisha M. Sarap	M.Sarap.
42	Saurabh P. Mishra	S.P.Mishra.
43	Shraddha C. Tekade	S.Tekade.
44	Vaishnavi R. Pandit	V.R.Pandit
45	Rupali o. Warade	R.O.Warade.
46	Yugant P. Chikte	Y.P.Chikte.
47	Anurag G. Holkar	A.Holkar.
48	Poanay. S. Anarwar	P.S.Anarwar.
49	Aman M. Pant	A.M.Pant - 10
50	Ankit S. Tayde	A.S.Tayde.


Prof.A.A.Ghute

Workshop Incharge

2



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

Department of Electrical Engineering

Two Days Workshop

On

“Circuit simulation using Proteus ISIS and PCB design by ARES”

Department of Electrical Engineering of P. R. PotePatil College of Engineering and Management, Amravati had organized technical workshop on “Circuit simulation using Proteus ISIS and PCB design by ARES”, conducted by Prof A.A.Ghute Assistant Professor, Department of EE for second year electrical students on 4th & 5th September 2019.

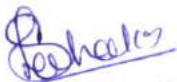
A hand on training was conducted at departmental computer centre.

The main objective of this workshop was to

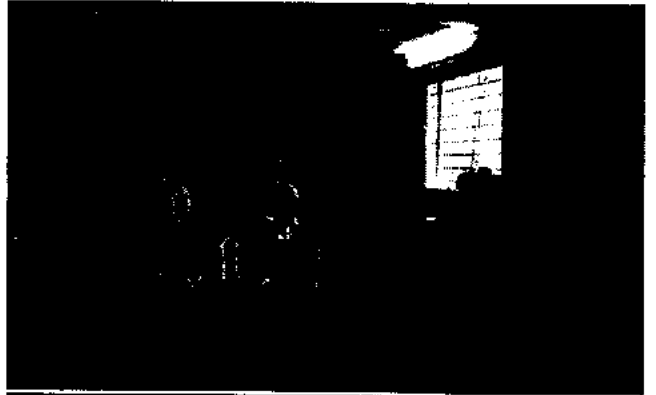
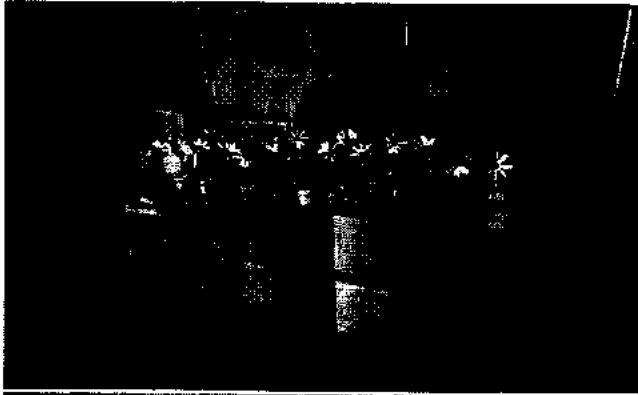
- Provide basic knowledge of electronics components,
- Designing and simulation of basic circuits using software Proteus ISIS
- Development of PCB design using ARES software.
- Provide practical applications of real-world problems using MATLAB.
- Help students link the theoretical and practical knowledge
- This knowledge will be very useful for the students for their project development

Workshop Details

1.	Title of the Training Programme	“ Circuit simulation using Proteus ISIS and PCB design by ARES”
2.	Broad Area of Training	Designing of electrical Circuits
3.	Objectives of Training Program	<ol style="list-style-type: none">1. Introduction of Proteus ISIS and its application to different electrical circuit.2. Introduction of and PCB design by ARES and its application to different electrical circuit.3. Hands on training of practical simulation of electrical circuit through lab practice module.
4.	Outcomes expected from the Program	<ol style="list-style-type: none">1. Students will be able to developed mini projects using Proteus software2. Students will be able to develop workbench for electronics circuit testing which is beneficial for students in their projects development
5.	Relevance	The objectives and the outcomes are beneficial to the students since the students have regular practice of developing electrical circuits in their practical session.


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

Photograph:



P.R.Pote Patil COE& Mgt, Amravati

Department of Electrical Engineering

Year 2019-20

Registration record for Workshop on Circuit simulation using Proteus and PCB design ARES

Sr.No	Name of Student	Signature
1	Hitesh Prakash Burghate	Burghate
2	Mayur Sanjay Thorat	Thorat
3	Ravindra Sanjay Rakhonde	Rakhonde
4	Krishna Vijay Khandade	Khandade
5	Anushree Khandekar	Khandekar
6	Nandini N. Sonar	Sonar
7	Kanchan Kisanrao Khandare	Khandare
8	Poochita B. Chavate	Chavate
9	Bhavana S. Mule	Mule
10	Mayuzi R. Mahajan	Mahajan
11	Darshana G. Kedare	Kedare
12	Rani B. Sakhe	Sakhe
13	Poochita B. Cho	
14	Saurabh R. Bhandare	S.R. Bhandare
15	Shreyash V. Landge	Landge
16	Rutik A. Tiwase	Tiwase
17	Harshad N. Kalkade	Kalkade
18	Hansraj Satyendra Mandpe	Hansraj M
19	Pratikella Fakirchanji Gondane	Gondane
20	Prathamesh V. Taware	Taware
21	Yashwantrao Patil	Patil
22	INDRAJEET A. RUMI	RUMI
23	Saavesh Raghuvanshi	Raghuvanshi
24	Aadarsh Gadge	Gadge
25	Tejas D. Sawant	Sawant
26	Pranav U. Jikate	Jikate
27	Akash S. Mondhe	A.S. Mondhe
28	Snehal R. Pajage	Pajage

Conducted By

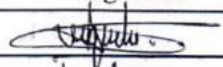

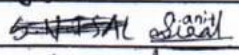

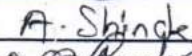
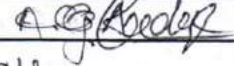
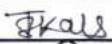
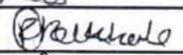
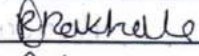
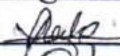
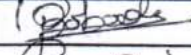
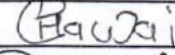
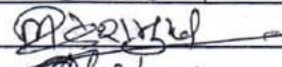
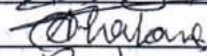




Prof. A.A. Ghute

P.R.Pote Patil COE& Mgt, Amravati

Department of Electrical Engineering

Year 2019-20

Registration record for Workshop on Circuit simulation using Proteus and PCB design ARES

Sr.No	Name of Student	Signature
29	Vaishnavi C. Bhuyarkar	
30	Anand .k. Mugal	
31	Sanit .N. Isal	
32	Abhindy .S. Shinde	
33	Abhishek .S. Shinde	
34	Adarsh .G. Gadge	
35	Tejas .S. Kale	
36	Pranali Natesh Rao Pakhale	
37	Pallavi Suresh Rao Pakhale	
38	Yashodeep R. Pukhale	
39	Pranali Dilip Bobade	
40	Prajwal H. Walega	
41	Mayur Ramesh Deshmukh	
42	Anuja Rajesh Thakare	
43	Vinayak .S. Wankar	
44	Shrikhandraaj .Shrikhandraaj Maysode	
45	Soorveesh .Raghawanishi	
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Conducted By

Prof. A.A.Ghute



P.R.Pote Patil COE & Mgt, Amravati

Department of Electrical Engineering

Year 2019-20

Registration record for Workshop on Circuit simulation using Proteus and PCB design ARES

Sr.No	Name of Student	Signature
1	Krishna V. Wankhade	
2	Rani B. Sakhe	
3	Ku. Anushi S. Khandokar	
4	Anuja R. Thakare	
5	Boman V. Tikate	
6	INDRAJEET RUMI	
7	Abhilek S. Shinde	A. Shinde
8	Abhinav S. Shinde	A. Shinde
9	Adarsh G. Gadge	
10	Shreyash U. Ladbhge	
11	Akash S. Mondhe	A. S. Mondhe
12	Shaikh Mansaf Shaikh Jaysand	
13	Sarvesh Pravin Raghuvanshi	
14	Yashadeep R. Patil	
15	Pranali D. Bobade	
16	Vaishnavi G. Bhuyar	
17	Ruchita B. Chavate	
18	Nandini N. Sonar	
19	Harshal N. Kulkarni	
20	Saurabh R. Bhandare	
21	Prajwal H. Gawai	
22	Ravindra S. Rakhonde	
Rutik 23	Rutik A. Hiwase	
24	Mayur Ramesh Deshmukh	
25	Vishal H. Shelar	
26	Tejas Dipak Rao Juvadi	
27	Anand H. Mugal	
28	Sanit. N. Jadhav	

Conducted By

Prof. A. W. Ghute

P.R.Pote Patil COE& Mgt, Amravati

Department of Electrical Engineering

Year 2019-20

Registration record for Workshop on Circuit simulation using Proteus and PCB design ARES

Sr.No	Name of Student	Signature
29	Prathmesh Uddhavrao Tawale	
30	Tejas Satishrao Kale	
31	Mayur Sanjay Thorat	
32	Hitesh Prakash Burghate	
33	Snehal Rajabhai Pajage	
34	Mayuri Rajendra Mahajan	
35	Hansraj Satyendra Mandpe	
36	Pratiksha Jakirchand Gondane	
37	Dorabhai Ganeshrao Kedar	
38	Ghansha Sanjayrao Mule	
39	Pranali Nateshrao Pakhale	
40	Pallavi Sureshrao Pakhale	
41	Kanchan Kisanrao Khandare	
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Conducted By

Prof. A.A.Ghute

Workshop on "INDUSTRIAL AUTOMATION – PLC/SCADA"

Date of Workshop : 30/09/2019 - 06/10/2019

Electrical Engineering Department organized 07 days workshop on INDUSTRIAL AUTOMATION – PLC/SCADA for the IV Year Students. The workshop was coordinated by Mr. Sashibhushan Shau (Assistant Professor, Dept. of EE) and the workshop was conducted by Mr. Abhishek & Mr. Ravindra Sharma (CEO, Autosys Pvt. Ltd. Indore). The main objective of this WORKSHOP is to make the aspiring engineers acquainted with the conceptual as well as practical knowledge of the Industrial Automation & latest technologies being used to achieve industrial automation. The idea of organizing this workshop is to inculcate the basic fundamentals of automation in the students and provide them with a hands-on experience on PLC kits. A technical competition was conducted based on the workshop and the winners were awarded certificate of excellence.



S. Shau

Head of Department
Electrical Engineering
Department

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

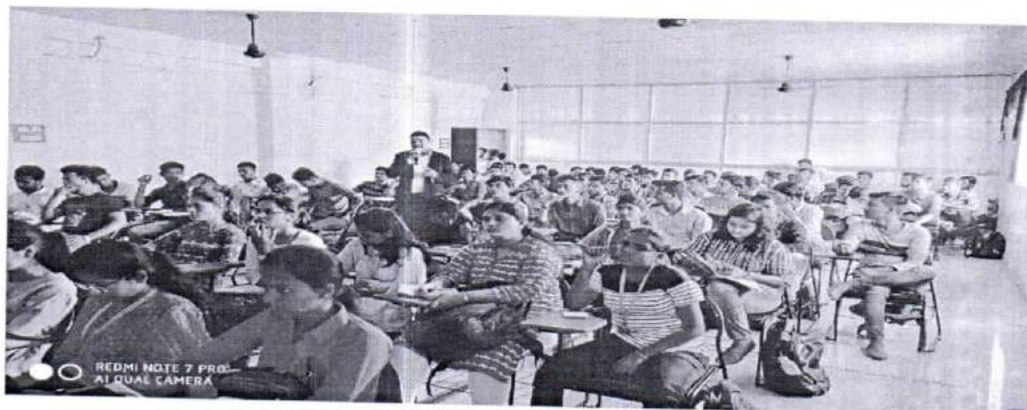
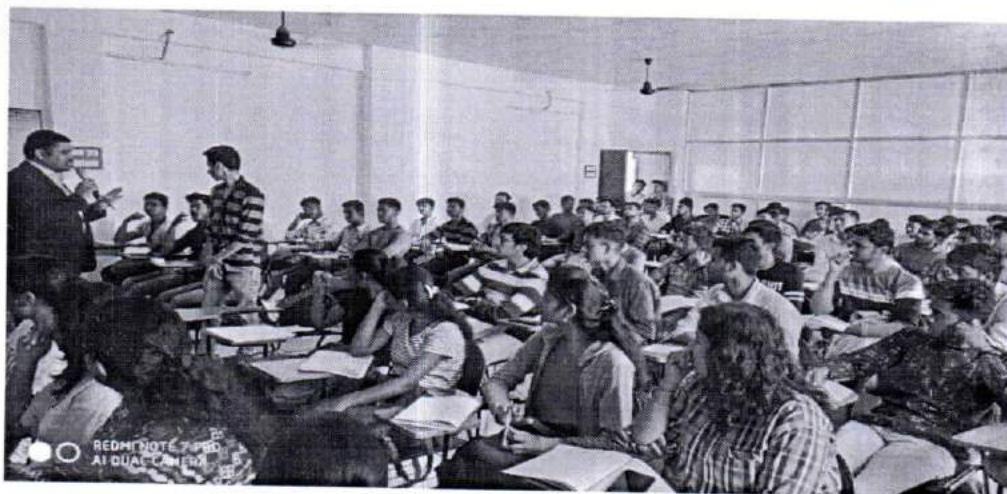
Department of Civil Engineering

Industry Interaction (2019-20)

One Day workshop and guest lecturer on E-Tendering.

Date: 28/ 09/ 20

This workshop was organized for civil engineering students from 28th September 2019 in seminar hall. The guest person was Er. Pravin Munde from Institute of Information Technology, Pune. He shears his government project estimation and billing, E-tendering. He guided the student for the importance of government estimating and billing work.




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

P. R. JOTI PATIL WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AURAYATI

Department of Civil Engineering

A.Y. 2019-20 (Third Year)

Dt. 28/09/2019

Guest Lectures on Estimation & Billing E-tendering by

Dr. Pravin Munde

Roll No.	Name of Student	Signature
301	MS ANSITA BHASKARJI THAKRE	[Signature]
302	MS ASHWIN MANOHAR WATE	[Signature]
303	MS ASHWIN VIJAY RAMTEKE	[Signature]
304	MS DAMINI GOPAL PATILARE	[Signature]
305	MS DHANASHREE SIBHASERAO MALKORE	[Signature]
306	MS CAYATRI PRATIN DEE GAL	[Signature]
307	MS ISHASABHAY GIRI	[Signature]
308	MS KSHITIDA VIJAY BAGDE	[Signature]
309	MS MANASVI DNYANESHWAR SANAP	[Signature]
310	MS NEHA NAGORAO KURALKAR	[Signature]
311	MS NISHA JAYKINAN GEDADE	[Signature]
312	MS PALLAVI RAMDASH CHANDOLE	[Signature]
313	MS PAYAL SANJAY SUTYARAPWAR	[Signature]
314	MS PRAGATI SOMESHWAR DHARME	[Signature]
315	MS PRATEEKSHI GANGADHAR ADTEKAR	[Signature]
316	MS PRATEEKSHI GUNERAO RAUT	[Signature]
317	MS PRATEEKSHI VIJAY YETKAR	[Signature]
318	MS PRIYA ANANDRAO PATEL	[Signature]
319	MS PRIYA MANU SAWARKAR	[Signature]
320	MS RADHA PRAKASH YIGHE	[Signature]
321	MS SAMRITA DESHPANDE	[Signature]
322	MS SHARVARI INDRAJET HIVASE	[Signature]
323	MS SHIVANI JANRAO SULTANE	[Signature]
324	MS SHIWALI DIPAK GUPTA	[Signature]
325	MS SURAKSHA DNYANESHWAR THELKAR	[Signature]
326	MS TEJASWINI ARUNRAO KHARE	[Signature]
327	MS VEDASHREE NARENDRA MIRMAL	[Signature]
328	MS VISHAKHA NARENDRA MANDES	[Signature]
329	MS VRUSHALI RAMRAO DHARPAWAR	[Signature]
330	MS ABHISHEK SURESH YADAV	[Signature]
331	MS AKASH ANANDKADU	[Signature]
332	MS AMAN CHARANDAS NAGLE	[Signature]
333	MS AMIT PRAKASH LANGADE	[Signature]

P. R. POTE (PATEL) WELL-BEING & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAYATI

Department of Civil Engineering

SEMESTER 3 (Third Year)

Roll No.	Name of Student	Sign of student
34	ANURAG SANJAY SAWARKAR	[Signature]
35	APURVA MILIND W. NIKHADE	[Signature]
36	CHANDRAJEANI SUNIL VIRKHARE	[Signature]
37	CHETAN BHARATI GAWANDE	[Signature]
38	HARISH SANJAYRAO BENDE	[Signature]
39	Hrushikesh Mangesh Tayade	[Signature]
40	INDRANIL ANIL DESHPANDE	[Signature]
41	DAYESH RAMESH KHARODE	[Signature]
42	KHUSENA RAMDAS SURVE	[Signature]
43	MAYUR ABHOK TOHANKAR	[Signature]
44	MAYUR KISHOR TALIB	[Signature]
45	MOHIT SUNIL SHENDE	[Signature]
46	NIKHIL NILKANTH KUMAR	[Signature]
47	OMED BHADRI KHAN	[Signature]
48	PRASAD DIPAL WAGH	[Signature]
49	PRIKSHIT SANTAY BHAGAT	[Signature]
50	PRITAM SH. KRADRAO RAUT	[Signature]
51	ROSHAN ARONRAO WATMODE	[Signature]
52	RUSHAB RUKA VINTHORATH	[Signature]
53	SANIDHYA SHANKARRAO HUNDELE	[Signature]
54	SARTHAK SUDHIR ADHAI	[Signature]
55	SHANTANU VIVEK BHARSAKLE	[Signature]
56	SHARAD BALIRAM SONKAMDE	[Signature]
57	SUREYASH SHARAD WATANE	[Signature]
58	SHRIKRUSHNA JALUJADE	[Signature]
59	SIDDHESH SANJAY BRAVE	[Signature]
60	SOHAIB KHAN SADIQUE KHAN	[Signature]
61	SUBODH SANJAYRAO DHENGE	[Signature]
62	TANAY CHANDRASHEKHAR GAWANDE	[Signature]
63	TEJAS DILIPRAO ANASANE	[Signature]
64	VAIBHAV PRAMOD TAYADE	[Signature]
65	VAIBHAV PUNDLIKRAO MOHOD	[Signature]

[Signature]
HOD (CIVIL) [Signature]
P. R. POTE (PATEL) WELL-BEING & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAYATI

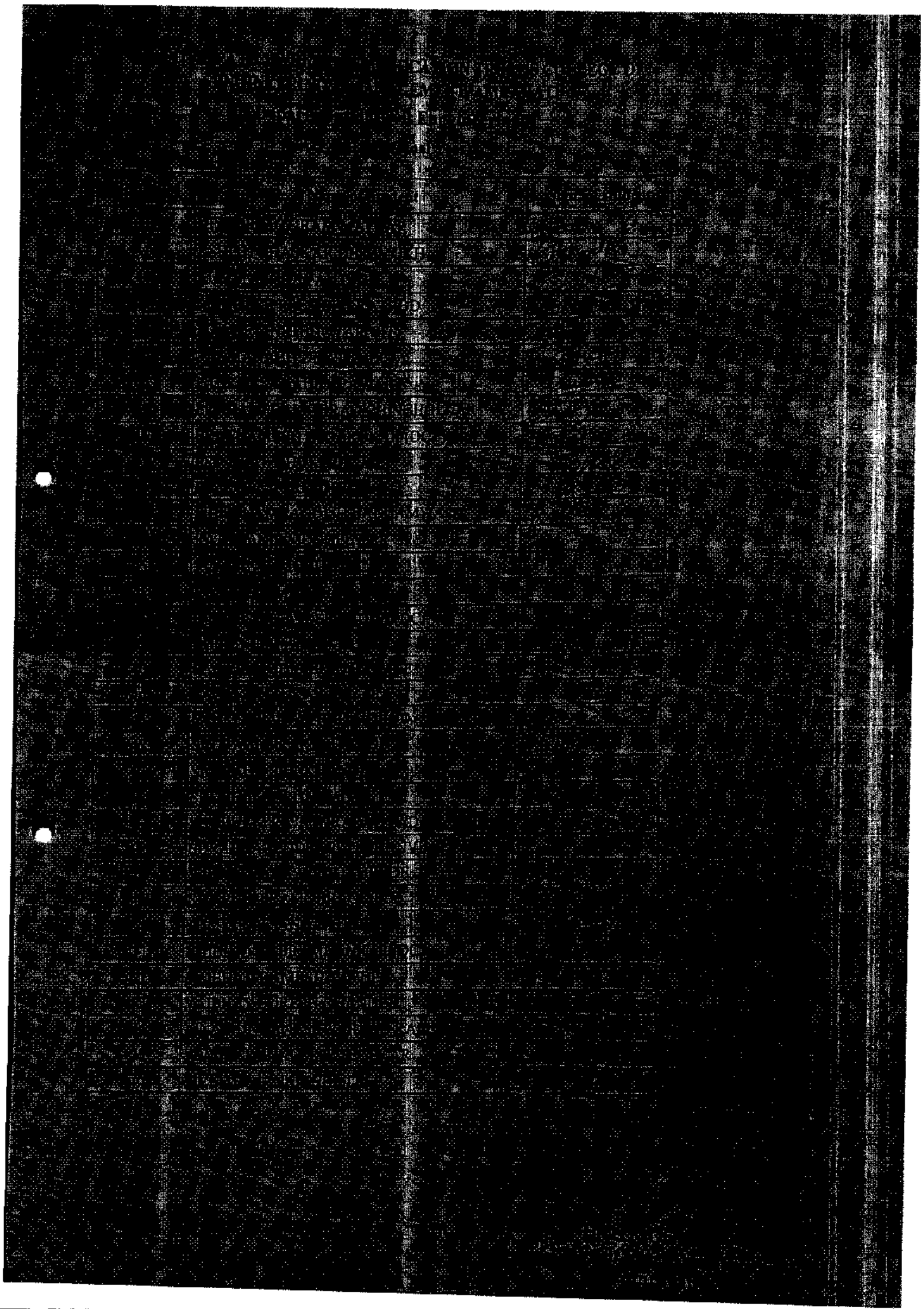
P. R. POTE (PATE) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT AMBEGAON

Department of Civil Engineering

A.Y. 2018-20 (Final Year)

28/05/2019

Roll No.	Name of Student	Sign of student
201	K. N. N. D. P. B. J. K. S. M. O. H. O. C. A. R.	
202	N. S. A. N. I. A. L. I. A. R. I. N. S. A. R. K. A. T. E.	
203	K. V. S. E. V. I. N. D. E. K. A. S. S. O. L. A. N. K. E.	
204	K. H. A. S. T. A. D. M. I. N. E. S. R. A. Y. O. T. I.	
205	A. R. I. S. H. A. B. A. S. A. H. E. E. W. A. N. K. H. A. D. E.	
206	K. V. A. C. R. U. T. I. S. H. R. I. K. A. N. T. S. H. I. N. D. E.	
207	K. I. K. O. M. I. T. B. A. B. U. R. A. G. R. E. D. B. R. A. G. A. D. I.	
208	K. M. I. N. A. K. S. H. I. S. H. I. N. G. T. H. O. P.	
209	K. M. O. R. S. H. I. D. A. T. R. A. D. E. S. R. A. O. S. A. W. H. A. D. E.	
210	K. A. S. H. A. S. H. I. N. S. I. M. O. P. H. A. R. S. A. N. I.	
211	K. A. L. A. Y. A. M. I. T. A. V. A. R. K. A. R.	
212	K. R. U. T. I. S. H. A. M. I. G. S. E. R. I. W. A. S.	
213	K. S. A. M. P. O. D. H. E. S. M. A. S. P. A. N. D. E.	
214	K. S. I. D. H. A. N. T. A. P. A. N. H. O. L. E.	
215	K. S. H. I. L. A. N. H. I. N. D. R. A. S. S. A. R. M. A.	
216	K. R. A. D. H. E. S. H. I. K. A. R. S. O. N. A. G. E.	
217	K. S. I. M. P. L. S. E. E. S. H. I. C. H. A. N. D. R. A. M. U. K. A.	
218	K. S. Y. E. A. S. W. O. R. K. A. S. S. I. K. H. D. A. T. E.	
219	K. S. T. R. I. D. H. A. N. S. K. O. N. T. A. K. R.	
220	K. S. M. I. T. S. E. R. I. S. S. A. S. H. I. E.	
221	K. S. N. I. D. H. A. N. S. K. R. A. V. I. D. H. A. S.	
222	K. S. M. I. T. S. E. R. I. S. S. A. S. H. I. E.	
223	K. S. M. I. T. S. E. R. I. S. S. A. S. H. I. E.	
224	K. S. M. I. T. S. E. R. I. S. S. A. S. H. I. E.	
225	K. S. M. I. T. S. E. R. I. S. S. A. S. H. I. E.	
226	K. S. M. I. T. S. E. R. I. S. S. A. S. H. I. E.	
227	K. S. M. I. T. S. E. R. I. S. S. A. S. H. I. E.	
228	K. S. M. I. T. S. E. R. I. S. S. A. S. H. I. E.	
229	K. S. M. I. T. S. E. R. I. S. S. A. S. H. I. E.	
230	K. S. M. I. T. S. E. R. I. S. S. A. S. H. I. E.	

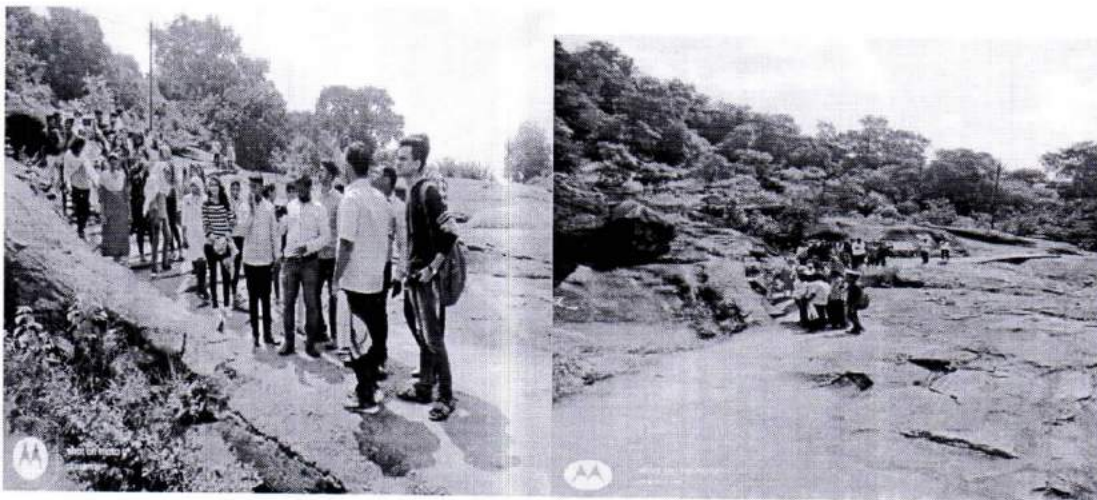


P.R. Pote Patil College of Engineering & Management, Amravati
Department of Civil Engineering
Industry Interaction (2019-20)

Site Visit to Salbardi.

Date: 03/ 10/ 2019

Students got the knowledge about the geological terms by observing the different rocks, folds and faults at Salbardi. Students an study the basic compounds of the geological terms. It was helpful for students as they observed the technical parameter of geological knowledge. Prof N. K. Chavhan explained the different terms of the geology.



Prof N. K. Chavhan explain the geological terms



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

P. R. POTI (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT AMRAVATI

Department of Civil Engineering

DT- 03/10/201

A.Y. 2019-20 (Second Year)

Roll No. 1-20 at Roll No. 21-40

Roll No.	Name of Student	Sign of Student
201	K. Aishwarya Dhanubai Sawani	[Signature]
202	K. Anand Waghmare	[Signature]
203	K. Dharmesh Diliprao Rahate	[Signature]
204	K. Dharmesh Mahadevraj Surkar	[Signature]
205	K. Girish Prakash Langole	[Signature]
206	K. Humayun Habib Khan	[Signature]
207	K. Kajan Narendra Ghule	[Signature]
208	K. Kamini Shivajirao Warnade	[Signature]
209	K. Manish Prakash Kharde	[Signature]
210	K. Nandini Prakash Ramod	[Signature]
211	K. Nilesh Kishore Mhatre	[Signature]
212	K. Pratik Ashok Mesaram	[Signature]
213	K. Rutuja Ravindra Kalmegh	[Signature]
214	K. Samir D. Anu Aswar	[Signature]
215	K. Sayan Sagar Deshmukh	[Signature]
216	K. Shantanu Harishwar Patil	[Signature]
217	K. Sushant Dhanraj Deshpande	[Signature]
218	K. Tejashri Sunil Bhokle	[Signature]
219	K. Vaishali Shridhar Deshmukh	[Signature]
220	K. Vedant Vinay Kangle	[Signature]
221	K. Vikas Anil Bidwai	[Signature]
222	K. Vishal Chaitan Ingle	[Signature]
223	K. Vignesh Prakash	[Signature]
224	K. Yash Dhanraj Sagar	[Signature]
225	K. Yash Sunil Chaudhary	[Signature]
226	K. Yashraj Prakash	[Signature]
227	K. Yashraj Waghmare	[Signature]
228	K. Yashraj Waghmare	[Signature]
229	K. Yashraj Waghmare	[Signature]
230	K. Yashraj Waghmare	[Signature]
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238	K. Yashraj Waghmare	[Signature]
239	K. Yashraj Waghmare	[Signature]
240	K. Yashraj Waghmare	[Signature]

**P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAYATI**

Department of Civil Engineering

A. Y. -2019-20 (Second Year)

Roll No.	Name of Student	Sign. of student
234	Jayesh Nilekanti Deshmukh	<i>[Signature]</i>
235	Krushna Sanjay Karale	<i>[Signature]</i>
236	Manas Rajendrarao Patilkar	<i>[Signature]</i>
237	Mohan Ujjain Kangle	<i>[Signature]</i>
238	Mohit Prakash Atalkar	<i>[Signature]</i>
239	Nilesh Vishnu Patil	<i>[Signature]</i>
240	Pawan Anandharao Manekar	<i>[Signature]</i>
241	Pratibha Ashok Gohatre	<i>[Signature]</i>
242	Pratik Parashram Dalbade	<i>[Signature]</i>
243	Prasanna Venkate	<i>[Signature]</i>
244	Prashant Prakash Thakur	<i>[Signature]</i>
245	Prathmesh Pramodhan Kumbde	<i>[Signature]</i>
246	Pratik Sanjay Katre	<i>[Signature]</i>
247	Pratik Sanjay Bhande	<i>[Signature]</i>
248	Rushika Sambhaji Raut	<i>[Signature]</i>
249	Rushika Nishant Ingle	<i>[Signature]</i>
250	Rishi Ravi Bhande	<i>[Signature]</i>
251	Rudra Sambhaji Deshmukh	<i>[Signature]</i>
252	Sachin Raju Sanyasiryan Behera	<i>[Signature]</i>
253	Sandeep Anand Malla	<i>[Signature]</i>
254	Sandeep Anand Mohite Chandure	<i>[Signature]</i>
255	Sandeep Anand Patil	<i>[Signature]</i>
256	Sandeep Anand Patil	<i>[Signature]</i>
257	Sandeep Anand Patil	<i>[Signature]</i>
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265	Sandeep Anand Patil	<i>[Signature]</i>
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267	Sandeep Anand Patil	<i>[Signature]</i>
268	Sandeep Anand Patil	<i>[Signature]</i>
269	Sandeep Anand Patil	<i>[Signature]</i>
270	Sandeep Anand Patil	<i>[Signature]</i>

[Signature]
 Head of Department

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

Department of Civil Engineering

Industry Interaction (2019-20)

Site Visit to Gurumauli Ashram Shala, Karla, Tq Anjangaon Surji Dist Amravati.

Date: 13/10/2019

Department has organized a site visit for Third year students, the structural elements along with architectural parameters involve in construction by "Coffer Technology". This is very new concept for wall construction. It was helpful for students as they observed technical parameters conversed during their correlated it with their application on the various places of site visit.




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 Engineering

Dt. 13/10/2019

A.Y.-2019-20 (Third Year)

Site visit to Gwumauli Ashram shala Karla, Aranganon swiji

Roll No.	Name of Student	Sign. of student
301	KU ANKITA CHHATRPTI THAKRE	AC Thakre
302	KU ASHWINI MANOHAR WATH	
303	KU ASHWINI VIJAY RAMTEKE	
304	KU DAMINI GOPAL PATHARE	D.G. Pathare
305	KU DHANASHRI SUBHASHRAO MAHORE	
306	KU GAYATRI PRAVIN BHUGAL	GP Bhugal
307	KU ISHA SANJAY GIRI	Giri
308	KU KSHITIJA VIJAY BAGDE	KB Bagde
309	KU MANASVI DNYANESHWAR SANAP	
310	KU NEHA NAGORAO KURALKAR	N.N. Kuralkar
311	KU NISHA JAYKISAN GUDADHE	N.J. Gudadhe
312	KU PALLAVI RAMESH CHANDELE	P.R. Chandele
313	KU PAYAL SANJAY MUTYARAPWAR	PMutyarapwar
314	KU PRAGATI SOMESHWAR DHARME	PDharne
315	KU PRATIKSHA GANGADHAR ADWEKAR	
316	KU PRATIKSHA SUNILRAO RAUT	PS Raut
317	KU PRATIKSHA VIJAY YEOTKAR	P. Yeotkar
318	KU PRIYA ANANDRAO PATIL	P. Patil
319	KU PRIYA MANOJ SAWARKAR	
320	KU RADHA PRAKASH VIGHE	R.P. Vighe
321	KU SAMPDA DESHPANDE	
322	KU SHARVARI INDRAJEET HIWASE	Shi
323	KU SHIVANI JANRAO SULTANE	
324	KU SHIWALI DIPAK GUPTA	S. Gupta
325	KU SURAKSHA DNYANESHWAR THELKAR	
326	KU TEJASWINI ARUNRAO KHARE	T.A. Khare
327	KU VEDASHREE NARENDRA MIRMAL	
328	KU VISHAKHA NARENDRA MANDLE	V.M.
329	KU VRUSHALI RAMRAO DHARPAWAR	
330	ABHISHEK SURESH YADAV	A.S. Yadav
331	AKASH ANAND KADU	
332	AMAN CHARANDAS NAGLE	
333	AMIT PRAKASH LANGADE	AP Langade

P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAVATI

Department of Civil Engineering

A.Y.-2019-20 (Third Year)

Roll No.	Name of Student	Sign. of student
334	ANURAG SANJAY SAWARKAR	ASawarkar
335	APURVA MILIND WANKHADE	
336	CHANDRAKANT SUNIL VIRKHARE	CVirkhare
337	CHETAN BHARAT GAWANDE	
338	HARISH SANJAYRAO BENDE	
339	HRUSHIKESH MANGESH TAYADE	HTayade
340	INDRANIL ANIL DESHMUKH	IDeshmukh
341	JAYESH RAMESH KHARODE	
342	KRUSHNA RAMDAS SURVE	KSurve
343	MAYUR ASHOK POHANKAR	MPohankar
344	MAYUR KISHOR TALE	
345	MOHIT SUNIL SHENDE	MShende
346	NIKHIL NILKANTH KINAKE	
347	OMED HABIB KHAN	OKhan
348	PRASAD DIPAK WAGH	
349	PRIKSHIT SANJAY BHAGAT	
350	PRITAM SHARADRAO RAUT	PRaut
351	ROSHAN ARUNRAO WATMODE	
352	RUSHABH PRAVIN THORATH	RTThorath
353	SANIDHYA SHANKARRAO BUNDELE	Sbundele
354	SARTHAK SUDHIR ADHAU	Sadhaud
355	SHANTANU VIVEK BHARSAKLE	
356	SHARAD BALIRAM SONKAMDE	
357	SHREYASH SHARAD WATANE	
358	SHRIKRUSHNA RAJU ADE	SRaju
359	SIDDHESH SANJAY BHAVE	
360	SOHAIL KHAN SADIQUE KHAN	SKhan
361	SUBODH SANJAYRAO DHENGE	
362	TANAY CHANDRASHEKHAR GAWANDE	TGawande
363	TEJAS DILIPRAO ANASANE	
364	VAIBHAV PRAMOD TAYADE	
365	VAIBHAV PUNDLIKRAO MOHOD	VMohod

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Amravati.

P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAVATI

Date: 13/10/2019

Department of Civil Engineering

A.Y.-2019-20 (Final Year) Site visit at Gaurumauli Ashraan

Karola


Roll No.	Name of Student	Sign. of student
401	Ku.ANKITA PRABHAKAR MOHOKAR	A.P. Mohokar
402	Ku.ANURADHA ARUN SARKATE	A.A. Sarkate
403	Ku.ASHWINI ONKAR SOLANKE	
404	Ku.HARSHAL M MESHARAM (OIT)	HM Mesharam
405	Ku.ISHA BABASAHEB WANKHADE	
406	Ku.JAGRUTI SHRIKANT SHENDE	J. Shinde
407	Ku.KOMAL BABURAO KHOBRADE	K.K. Khobrade
408	Ku.MINAKSHI SANJAY RATHOD	
409	Ku.MOKSHADA PRADEEPROA LAWHALE	M.P. Lawale
410	Ku.NISHA VIJAYKUMAR PURSANI	N.V. Pursani
411	Ku.PALLAVI ANIL JAWARKAR	
412	Ku.RUPAL SHAMLAL SHRIWAS	R.S. Shrivastava
413	Ku.SAMRUDDHI LAXMAN PANDE	
414	Ku.SHIVANI GAJANAN HOLE	S. Hole
415	Ku.SHIVANI JITENDRA SHARMA	
416	Ku.SHRADDHA DINKARRAO NAGE	S.D. Nage
417	Ku.SHWETA SUBHASHCHANDRA MUKE	S. Muke
418	Ku.SNEHA ASHOKRAO SUKHDEVE	
419	Ku.SURBHI GAJANAN SONTAKKE	S.G. Sontakke
420	Ku.TEJAL SHRIKANT BHUSATE	T.S. Bhushate
421	Ku.VAISHNAVI ANIL KALE	
422	Ku.VAISHNAVI RAVINDRA VIDHATE	V. Vidhate
423	ABHIJIT BAND (DCJ)	
424	AKASH BHAGWAN SABE	A.B. Sabe
425	AKSHAY BRAMHADEO INGLE	
426	ANIKET GAJANAN KAWADKAR	A.K. Kawadkar
427	ANKIT MAHESH FULMAMDI	A.M. Fulmardi
428	ASHISH GAJANAN GHATALE	
429	ASHISH UTTAM KAWARE	A.U. Kaware
430	CHANDRASHEKHAR K. WADIBHASME	
431	CHETAN PRAKASHRAD DAGWAR	C.P. Dagwar
432	DIGVIJAY R GAIGOLE (OIT)	D. Gaigole
433	HARISH GIRATKAR (DCJ)	H. Giratkar
434	HARISH RAJENDRA BODKHE	
435	HARISH RAJESH MASKE	H.R. Maske
436	HRISHIKESH GAJANAN RAUT	
437	JIVAN BABANRAO JIKATE	
438	KALPESH DNYANESHVAR KALE	K.K. Kale
439	KAPILESH V. LAHANE (DCJ.)	
440	KASIM BHIKKAN HANNURE	
441	KAUSHAL KAMALKISHOR SONI	K.K. Soni
442	KISHAN DIVAKAR NILE	K.D. Nile
443	KISHOR MOTIRAM MATKAR	
444	KSHITIJ BHASKAR DESHMUKH	K.B. Deshmukh
445	KUNAL R CHAVAN (DCJ)	
446	MANGESH PREMDAS RATHOD	M.P. Rathod
447	MAYUR ANIL BHOYAR(OIT)	M.A. Bhoypur

**P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAVATI**

Department of Civil Engineering

A.Y.-2019-20 (Final Year)

Roll No.	Name of Student	Sign. of student
448	PADMANABH D.PATIL (DCJ.)	P.D. Patil
449	PANKAJ SAHADEV PAWAR	P.S. Pawar
450	PRANAL PRAMODRAO CHINCHOLKAR	P.P. Chincholkar
451	PRATHAMESH D. DAROKAR (DCJ.)	
452	PRATIK G. DHOKE (DCJ.)	P.G. Dhoke
453	PRAVIN NAGRE (DCJ)	P.A. Nagre
454	PREETHAM JAGDISH BADDAMWAR	
455	RAJAT ANIL MUNGELWAR	R.A. Mungelwar
456	ROSHAN P. MOHOD (DCJ.)	R.P. Mohod
457	ROSHAN S MAHURE	
458	RUSHIKESH A. DESHMUKH (DCJ.)	R.a. Deshmukh
459	RUSHIKESH ANIL ATALKA	
460	SAGAR JAGDISHRAO RAHATE	
461	SAGAR SHANKAR MAKODE	S.G. Makode
462	SANKET SANJAYRAO MOHOD	
463	SAURABH PRAKASH KADU	S.P. Kadu
464	SAURABH SHRIKHANDE	
465	SHUBHAM ARUN RAUT	S.A. Raut
466	SHUBHAM RAJENDRARRAO LAD	
467	SURAJ NARENDRARRAO DHANVIJ	
468	SURAJ PRAKASHRAO SHENDE	S.P. Shende
469	SWAPNIL PRAMODRAO DIKE	
470	TUSHAR P. SANGAI (DCJ)	T.P. Sangai
471	VAIBHAV L. BRAMHANKAR (DCJ.)	V.L. Bramhankar
472	VAIBHAV RAMESH TAYDE	V.R. Tayde
473	VAIBHAV SURESH DHANDGE	
474	VINAY DNYANESHWARRAO KALE	V.D. Kale
475	VIVEK ARUNKUMAR SEGEKAR	V.A. Segekare
476	VIVEK GAJANAN GHATALE	V.G. Ghatale


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 Amravati

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

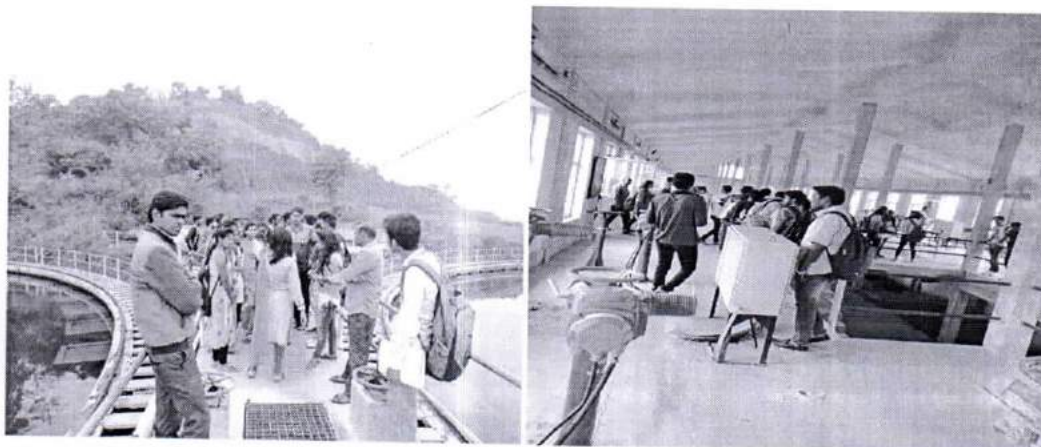
Department of Civil Engineering

Industry Interaction (2019-20)

Visit to Wastewater Treatment Plant, Amravati.

Date: 19/10/2019

The visit was arranged at wastewater treatment plant, Amravati to collaborate the theoretical and practical knowledge and to know the various technical units thoroughly. This plant is having a capacity of 156 MLD. Students got the knowledge about the wastewater by observing the different terms like aeration tank, sedimentation tank. This visit helped students to know different components of wastewater treatment plant as well as its working.




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P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAVATI

dt. 19/10/2019

Department of Civil Engineering

A.Y.-2019-20 (Final Year) Visit to Wastewater Treatment Plant, Amt.

Roll No.	Name of Student	Sign. of student
401	Ku.ANKITA PRABHAKAR MOHOKAR	A.P. Mohokar
402	Ku.ANURADHA ARUN SARKATE	AS
403	Ku.ASHWINI ONKAR SOLANKE	A.O. Solanke
404	Ku.HARSHAL M MESHARAM (OIT)	H.M. Mesharam
405	Ku.ISHA BABASAHEB WANKHADE	I.W.
406	Ku.JAGRUTI SHRIKANT SHENDE	J.S. Shende
407	Ku.KOMAL BABURAO KHOBRAGADE	K.B. Khobragade
408	Ku.MINAKSHI SANJAY RATHOD	M.R. Rathod
409	Ku.MOKSHADA PRADEEPRAO LAWHALE	M.P. Lawhale
410	Ku.NISHA VIJAYKUMAR PURSANI	N.P.
411	Ku.PALLAVI ANIL JAWARKAR	P.A. Jawarkar
412	Ku.RUPAL SHAMLAL SHRIWAS	R.S. Shrivastava
413	Ku.SAMRUDDHI LAXMAN PANDE	S.L. Pande
414	Ku.SHIVANI GAJANAN HOLE	S.G. Hole
415	Ku.SHIVANI JITENDRA SHARMA	S.J. Sharma
416	Ku.SHRADDHA DINKARRAO NAGE	S.D. Nage
417	Ku.SHWETA SUBHASHCHANDRA MUKE	S.M.
418	Ku.SNEHA ASHOKRAO SUKHDEVE	S.A. Sukhdeve
419	Ku.SURBHI GAJANAN SONTAKKE	S.G. Sontakke
420	Ku.TEJAL SHRIKANT BHUSATE	T.S. Bhusate
421	Ku.VAISHNAVI ANIL KALE	V.A. Kale
422	Ku.VAISHNAVI RAVINDRA VIDHATE	V.R. Vidhate
423	ABHIJIT BAND (DCJ)	A.B. Band
424	AKASH BHAGWAN SABE	A.B. Sabe
425	AKSHAY BRAMHADEO INGLE	A.B. Ingle
426	ANIKET GAJANAN KAWADKAR	A.K. Kawadkar
427	ANKIT MAHESH FULMAMDI	A.M. Fulmamdhi
428	ASHISH GAJANAN GHATALE	A.G. Ghatale
429	ASHISH UTTAM KAWARE	A.U. Kaware
430	CHANDRASHEKHAR K. WADIBHASME	C.W. Wadibhasme
431	CHETAN PRAKASHRAD DAGWAR	C.P. Dagwar
432	DIGVIJAY R GAIGOLE (OIT)	D.R. Gaigole
433	HARISH GIRATKAR (DCJ)	H.G. Giratkar
434	HARISH RAJENDRA BODKHE	H.R. Bodkhe
435	HARISH RAJESH MASKE	H.R. Maske
436	HRISHIKESH GAJANAN RAUT	H.R. Raut
437	JIVAN BABANRAO JIKATE	J.B. Jikate
438	KALPESH DNYANESHVAR KALE	K.D. Kale
439	KAPILESH V. LAHANE (DCJ.)	K.V. Lahane
440	KASIM BHIKKAN HANNURE	K.B. Hannure
441	KAUSHAL KAMALKISHOR SONI	K.K. Soni
442	KISHAN DIVAKAR NILE	K.D. Nile
443	KISHOR MOTIRAM MATKAR	K.M. Matkar
444	KSHITIJ BHASKAR DESHMUKH	K.B. Deshmukh
445	KUNAL R CHAVAN (DCJ)	K.R. Chavan
446	MANGESH PREMDAS RATHOD	M.P. Rathod
447	MAYUR ANIL BHOYAR(OIT)	M.A. Bhoiyar

**P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAVATI**

Department of Civil Engineering

A.Y.-2019-20 (Final Year)

Roll No.	Name of Student	Sign. of student
448	PADMANABH D.PATIL (DCJ.)	
449	PANKAJ SAHADEV PAWAR	<i>P.S. Pawar</i>
450	PRANAL PRAMODRAO CHINCHOLKAR	<i>P.P. Chincholkar</i>
451	PRATHAMESH D. DAROKAR (DCJ.)	
452	PRATIK G. DHOKE (DCJ.)	
453	PRAVIN NAGRE (DCJ)	<i>P.N. Nagre</i>
454	PREETHAM JAGDISH BADDAMWAR	<i>P.J. Baddamwar</i>
455	RAJAT ANIL MUNGELWAR	<i>R.A. Mungelwar</i>
456	ROSHAN P. MOHOD (DCJ.)	<i>R.P. Mohod</i>
457	ROSHAN S MAHURE	<i>R.S. Mahure</i>
458	RUSHIKESH A. DESHMUKH (DCJ.)	
459	RUSHIKESH ANIL ATALKA	<i>R.A. Atalka</i>
460	SAGAR JAGDISHRAO RAHATE	<i>S. Rahate</i>
461	SAGAR SHANKAR MAKODE	
462	SANKET SANJAYRAO MOHOD	<i>S.S. Mohod</i>
463	SAURABH PRAKASH KADU	
464	SAURABH SHRIKHANDE	<i>S.S. Shrikhande</i>
465	SHUBHAM ARUN RAUT	
466	SHUBHAM RAJENDRARAO LAD	<i>S.R. Lad</i>
467	SURAJ NARENDRARAO DHANVIJ	<i>S.N. Dhanvij</i>
468	SURAJ PRAKASHRAO SHENDE	
469	SWAPNIL PRAMODRAO DIKE	<i>S.P. Dike</i>
470	TUSHAR P. SANGAI (DCJ)	<i>T.P. Sangai</i>
471	VAIBHAV L. BRAMHANKAR (DCJ.)	
472	VAIBHAV RAMESH TAYDE	<i>V.R. Tayde</i>
473	VAIBHAV SURESH DHANDGE	<i>V.S. Dhandge</i>
474	VINAY DNYANESHWARRAO KALE	<i>V.Kale</i>
475	VIVEK ARUNKUMAR SEGEKAR	
476	VIVEK GAJANAN GHATALE	<i>V.G. Ghatale</i>

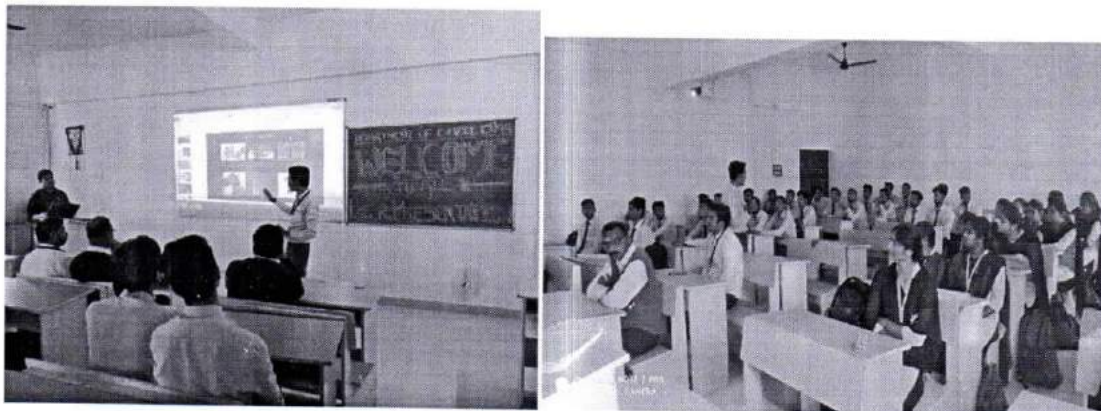
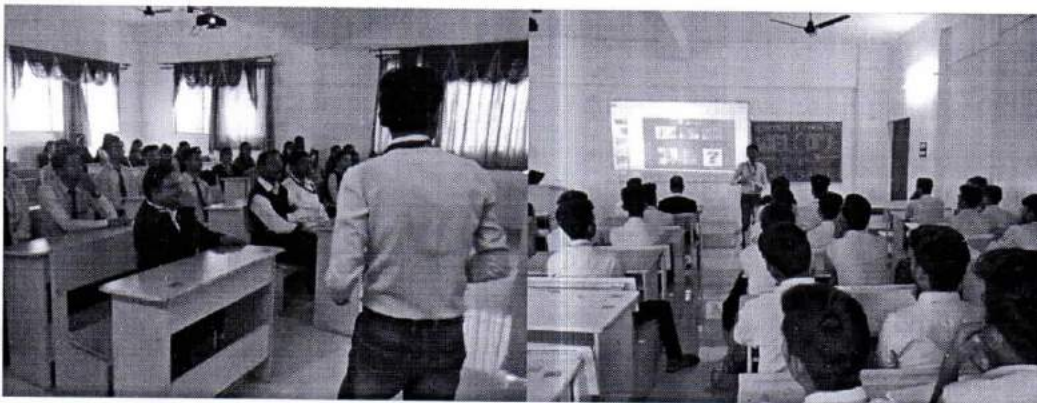
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H.O.D. (Civil Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P.R. Pote Patil College of Engineering & Management, Amravati
Department of Civil Engineering
Industry Interaction (2019-20)

Guest lecture regarding awareness of different software's in Civil Engineering

Date: 3/2/2020 – 4/2/2020

Department of Civil Engineering organize expert lecture on knowledge about different software's about Civil Engineering for second and third year student by Mr.Somwanshi and Mr.Joshi.(CAAD Desk, Latur).




H.O.D. (Civil Dept.)
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Amravati.

P. B. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAYATI

Department of Civil Engineering

A.Y. - 2019-20 (Second Year)

Dr. 03/02/2020
Dr. 04/02/2020

Guest Lecture "Civil Engg. Software" by Ex. Sarwanrao B. Joshi
(CAD Dept. In-charge Amal)

Roll No.	Name of Student	Sign. of student
201	Ka Aishwarya Digambar Saywan	[Signature]
202	Ka Asana Waghmare	[Signature]
203	Ka Dhanashri Diliprao Rahate	[Signature]
204	Ka Dhanashri Mahadevrao Surkar	[Signature]
205	Ka Gayatri Prakash Langote	[Signature]
206	Ka Humera Hamon Khan	[Signature]
207	Ka Kajal Narendra Bhule	[Signature]
208	Ka Kshiraja Shivchandra Wankade	[Signature]
209	Ka Minal Prabhakar Kherde	[Signature]
210	Ka Nilam Kamprasad Rathod	[Signature]
211	Ka Nilima Rajendra Maure	[Signature]
212	Ka Pranika Ashok Meshram	[Signature]
213	Ka Ruruja Ravindra Kalmegh	[Signature]
214	Ka Samiksha Arun Aswar	[Signature]
215	Ka Sayalee Rajay Deshmukh	[Signature]
216	Ka Shruutika Baluamreshwar Tayade	[Signature]
217	Ka Srushil Nandkishor Dehankar	[Signature]
218	Ka Tejaswani Pradip Bhokle	[Signature]
219	Ka Vaishnavi Shridhar Deshmukh	[Signature]
220	Ka Vedanti Vivek Ingle	[Signature]
221	Ka Vijaya Ajay Bidwai	[Signature]
222	Agnishik Vijayrao Ingle	[Signature]
223	Abhinav Rajabhai Ingle	[Signature]
224	Aditya Dhyaneshwar Sagne	[Signature]
225	Aditya Sureshwar Lokhande	[Signature]
226	Ajay Manohar Parthasar	[Signature]
227	Akash Dilip Waghmare	[Signature]
228	Ashok Suresh Akotkar	[Signature]
229	Ashup Sureshwar Kulkarni	[Signature]
230	Ashvika Anand Dhore	[Signature]
231	Ashwini Chandra Ganesh Deshmukh	[Signature]
232	Bijal Ahmad Khan Aziz Khan	[Signature]
233	Chetan Sanjay Suryani	[Signature]

FEDERAL INSTITUTE OF TECHNOLOGY
 DEPARTMENT OF CIVIL ENGINEERING
 2020/2021 (Semester I)

Roll No.	Name of Student	Signature
2201	Abhinav Kumar	
2202	Adarsh Kumar	
2203	Akash Kumar	
2204	Aman Kumar	
2205	Anand Kumar	
2206	Anshu Kumar	
2207	Arjun Kumar	
2208	Ashish Kumar	
2209	Ashish Kumar	
2210	Ashish Kumar	
2211	Ashish Kumar	
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2300	Ashish Kumar	

Date: _____
 Signature: _____

P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAYATI

Department of Civil Engineering

A.Y. 2019-20 (Third Year)

01.05.2020 to

04.05.2020

(Group) Section No. CIVIL Engg. Software by En. Somnath

Roll No.	Name of Student	Sign of student
301	KU LANKITA CHHATRAPI THAKRE	
302	KU ASHWINI MANOHAR WATH	
303	KU ASHVINI VIJAY RAMTEKE	
304	KU DAMINI GOPAL PATHARE	
305	KU DHANASHRI SUDHARAO MAHORE	
306	KU GAYATRI PRAVIN BELGAE	
307	KU NISHA SANJAY GIRI	
308	KU KSHITHI VIJAY BAGDE	
309	KU EMANASI DNYANESHWAR SANAT	
310	KU NEHA NAGORAO KURALKAR	
311	KU NISHA JAYKISAN GODADHE	
312	KU PALANVI RAJESH CHANDELE	
313	KU PAYAL SANJAY MUTYARAPWAR	
314	KU PRAGATI SOMESHWAR DHARME	
315	KU PRAKSHI GANGADHAR ADWEEKAR	
316	KU PRAKSHI SONNARAO RAUT	
317	KU PRAKSHI VIJAY VEOTKAR	
318	KU PRIYA ANANDRAO PATIL	
319	KU PRIYA MANOJ SAWARKAR	
320	KU RADHA PRAKASH YIGHE	
321	KU SALVADA DESELANDE	
322	KU SHARVARDINDRA JEET HIWASE	
323	KU SHIRANITA NARAO SULTANE	
324	KU SHIWATI DIPAK GUPTA	
325	KU SURAYSHA DNYANESHWAR THESIGAR	
326	KU TELASWINI ARUNRAO KHARE	
327	KU VEDASHREE HARENDRA MURVALI	
328	KU VINAYAKA HARENDRA MANDRE	
329	KU VRUNALI ANANDRAO DHARAWAR	
330	KU SHIKHA SURESH ADAV	
331	KU ANAND KATU	
332	KU ANSHUWANT S. MAHAR	
333	KU ANURAG SHILANB. DE	

En. Jashu
ECAD Dept.
(En. H. H. H.)

P. R. POTE (PATEL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAYATI

Department of Civil Engineering

A.Y. 2019-20 (Third Year)

Roll No.	Name of Student	Sign. of student
334	ANURAG SANJAY AWARCAR	
335	APURVA MILIND WANKHADE	
336	CHANDRAKANT SUNIL VIRAPANE	
337	CHETAN BHARAT DAWANDE	
338	HARISH SANJAYRAO BENDE	
339	HRDDESHIKESH MANGDESH TA YADE	
340	INDRANIL ANIL TESEMMUKH	
341	JAYESH RAMKESH KHARODE	
342	KRUSHNA RAJIDAS SURVE	
343	MAYUR ASHOK POHANKAR	
344	MAYUR KISHOR TALE	
345	MORHI B. J. SHENDE	
346	NIKHIL NILKANTH KINAYE	
347	OMED HABIB KHAN	
348	PRASAD DIPAK WASH	
349	PRIKSHIT SANJAY BHAGAT	
350	PRITAM SHARADRAO RAUT	
351	ROSHAN ARUNRAO WATMODE	
352	RUSHAB PRAVIN THORATH	
353	SANIDHYA SHANKARRAO BUNDELE	
354	SARITHAKSUDHIR KADHAU	
355	SHANTANU MAYEK BHARSARKE	
356	SHARAD RAJARAMSONI KAMDE	
357	SHREYASH SHARAD PATANE	
358	SHREERESHMA KANTU ADE	
359	SIDDHESH SANJAY BHAYE	
360	SOHAIL KHAN SAADIQUE KHAN	
361	SUSODH SANJAYRAO DEHANGE	
362	TANUJ CHANDRASHEKHAR GAWANDE	
363	TEJAS DODHRAO ANASSANE	
364	VISHAY RAJMOHD TAYADE	
365	VISHAY BUNDIRAO MOHOD	

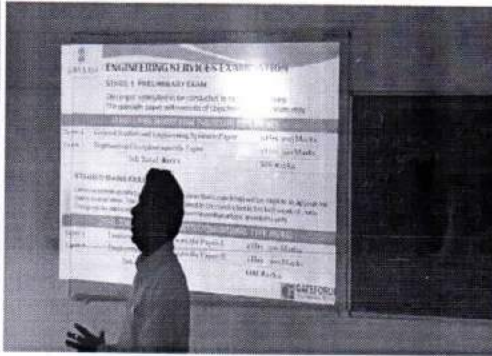
Head (Civil Dept.)
P. R. Pote (Patel) Welfare & Education Trust's College of
Engineering & Management
Amrayati

P.R. Pote Patil College of Engineering & Management, Amravati
Department of Civil Engineering
Industry Interaction (2019-20)

Expert Guest Lecture on GATE and IES Exam preparation

Date: 8/2/2020

Department of civil engineering organized Expert Guest Lecture regarding preparation of Indian Engineering services (IES) and GATE examination to second year students by GATE academy.



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

UNITED STATES DEPARTMENT OF COMMERCE
BUREAU OF MARINE SERVICE
Department of Commerce
Washington, D. C.

1925

No.	Name	Address	City	State
1	ALBERT A. BARKER	1000
2	ALBERT A. BARKER
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50	ALBERT A. BARKER

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
LABORATORY OF ORGANIC CHEMISTRY
CHICAGO, ILLINOIS

341
N. L. BENTON, JR.

1954

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P. K. POTE (STATE) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAVATI

Department of Civil Engineering

A.Y. 2022-2023 (1st Year)

28/02/2023

Gate Academy

Roll No.	Name of Student	Sign of Student
301	KUANKTES CHHATRABE TIJAKRE	K. Chhatribe
302	KUASHVINI MANOHAR WANE	A. Wane
303	KUASHVINI VIKAS NANDE	A. Nande
304	KUDAYANI GOPAL PATHARE	G. Pathare
305	KUDHARMIRI SUBHASHRAO KHORRE	S. Khorre
306	KUGALAKRISHNAN RAO	G. Rao
307	KUSHAL SANGHVI JINI	S. Jini
308	KUNRUTIKA VIDYABAI	V. Bai
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312	KUNRUTIKA VIDYABAI	V. Bai
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360	KUNRUTIKA VIDYABAI	V. Bai

NOTICE TO THE PUBLIC
REGARDING THE...
Department of...

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

Department of Civil Engineering

Industry Interaction (2019-20)

Workshop on 'Innovation for Present and Future'

Date: 29/2/2020

The workshop organized by Third and Final year Civil and Mechanical Engineering students at seminar hall main building. The workshop was held by Ar. Nilesh R. Rahate and his team. The objective of the workshop is to enlighten the ideas of innovation as per the need of the industry.




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

RSROTE (PATEL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAYATE

Department of Civil Engineering

SY-2019-20 (Final Year)

Roll No.	Name of Student	Signature
101	KUNALTEJABRAHAKAR MOHOLKAR	[Signature]
102	KRISHNARADHAKARTUN SARKATE	[Signature]
103	KUNALTEJABRAHAKAR SULEJANKE	[Signature]
104	KRISHNARADHAKAR SESHARAMOHN	[Signature]
105	KRISHNARADHAKAR SURESH V. NIKHARDE	[Signature]
106	KRISHNARADHAKAR SHRIKANT SHIRAPTE	[Signature]
107	KRISHNARADHAKAR BUNOOL KROBARGADE	[Signature]
108	KRISHNARADHAKAR SAHAY RATHOD	[Signature]
109	KRISHNARADHAKAR DEEPIKA LAWATE	[Signature]
110	KRISHNARADHAKAR YASHWANTH KUMAR	[Signature]
111	KRISHNARADHAKAR ANAND SAWARKAR	[Signature]
112	KRISHNARADHAKAR SHIVAJI SHIRAPTE	[Signature]
113	KRISHNARADHAKAR SHAMRAT SHIRAPTE	[Signature]
114	KRISHNARADHAKAR ANAND NEDE	[Signature]
115	KRISHNARADHAKAR INDRA SHIRAPTE	[Signature]
116	KRISHNARADHAKAR ANAND KUMAR	[Signature]
117	KRISHNARADHAKAR HEMANT KUMAR	[Signature]
118	KRISHNARADHAKAR SAURABH SHIRAPTE	[Signature]
119	KRISHNARADHAKAR ANAND SHIRAPTE	[Signature]
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130	KRISHNARADHAKAR ANAND SHIRAPTE	[Signature]

INSTITUT TEKNIK NEGERI SURABAYA (ITS) DEPARTEMEN TEKNIK SIPIL DAN PERENCANAAN

Departemen Teknik Sipil dan Perencanaan

15 Mei 2019 (10 Mei 2019)

No	Nama Dosen	Tempat/Tempat
1	DR. H. HENDRIK W. N. S. S. S.	Surabaya
2	DR. H. HENDRIK W. N. S. S. S.	Surabaya
3	DR. H. HENDRIK W. N. S. S. S.	Surabaya
4	DR. H. HENDRIK W. N. S. S. S.	Surabaya
5	DR. H. HENDRIK W. N. S. S. S.	Surabaya
6	DR. H. HENDRIK W. N. S. S. S.	Surabaya
7	DR. H. HENDRIK W. N. S. S. S.	Surabaya
8	DR. H. HENDRIK W. N. S. S. S.	Surabaya
9	DR. H. HENDRIK W. N. S. S. S.	Surabaya
10	DR. H. HENDRIK W. N. S. S. S.	Surabaya
11	DR. H. HENDRIK W. N. S. S. S.	Surabaya
12	DR. H. HENDRIK W. N. S. S. S.	Surabaya
13	DR. H. HENDRIK W. N. S. S. S.	Surabaya
14	DR. H. HENDRIK W. N. S. S. S.	Surabaya
15	DR. H. HENDRIK W. N. S. S. S.	Surabaya
16	DR. H. HENDRIK W. N. S. S. S.	Surabaya
17	DR. H. HENDRIK W. N. S. S. S.	Surabaya
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25	DR. H. HENDRIK W. N. S. S. S.	Surabaya
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27	DR. H. HENDRIK W. N. S. S. S.	Surabaya
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31	DR. H. HENDRIK W. N. S. S. S.	Surabaya
32	DR. H. HENDRIK W. N. S. S. S.	Surabaya
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34	DR. H. HENDRIK W. N. S. S. S.	Surabaya
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37	DR. H. HENDRIK W. N. S. S. S.	Surabaya
38	DR. H. HENDRIK W. N. S. S. S.	Surabaya
39	DR. H. HENDRIK W. N. S. S. S.	Surabaya
40	DR. H. HENDRIK W. N. S. S. S.	Surabaya
41	DR. H. HENDRIK W. N. S. S. S.	Surabaya
42	DR. H. HENDRIK W. N. S. S. S.	Surabaya
43	DR. H. HENDRIK W. N. S. S. S.	Surabaya
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45	DR. H. HENDRIK W. N. S. S. S.	Surabaya
46	DR. H. HENDRIK W. N. S. S. S.	Surabaya
47	DR. H. HENDRIK W. N. S. S. S.	Surabaya
48	DR. H. HENDRIK W. N. S. S. S.	Surabaya
49	DR. H. HENDRIK W. N. S. S. S.	Surabaya
50	DR. H. HENDRIK W. N. S. S. S.	Surabaya

P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAYATI

Department of Civil Engineering

01.20/02/2020

A.Y.-2019-20 (Third Year)

Guest Lecture by Asst. Prof. Babar Fe

Roll No.	Name of Student	Sign of student
301	KU ANKITA CHITRAPATI THAKRE	Ankita Thakre
302	KU ASHWINI MANOHAR WATH	Ashwini Wath
303	KU ASHWINI VIJAY RAMTEKE	
304	KU DAMINI GOPAL PATHARE	Damini Pathare
305	KU DHANASHRI SUBHASHRAO MAHORE	
306	KU DAYA NRI PRAVIN BHUGAL	Daya B.
307	KU DEHA SANJAY GIRI	S. J. Giri
308	KU KSHITA VIJAY BAGDE	K.V. Bagde
309	KU MANASVI DNYANESHWAR SANAP	Manasvi Sanap
310	KU NEHA NAGORAO KURALKAR	Neha
311	KU NEHA JAYKISAN GUDADHE	Neha Gudadhe
312	KU BALLOVI RAMESH CHANDELE	Ballovi R. Chandele
313	KU PAYAL SANJAY MOTYAKAPWAR	Payal
314	KU PRAGATI SOMESHWAR DHARME	Pragati Dharme
315	KU PRATIKSHA GANGADHAR ADYEKAR	
316	KU PRATIKSHA SUNILRAO RAUT	P.S. Raut
317	KU PRATIKSHA VIJAY YBOKAR	
318	KU PRIYA ANANDRAO PATIL	Priya Patil
319	KU PRIYA MANOJ SAWARKAR	
320	KU RADHA PRAKASH YICHE	Radha Yiche
321	KU SAMPDA DESHPANDE	Sampda Deshpande
322	KU BHARANI INDRAJIT HIRWASE	Bharani
323	KU SHIVANI LAXMANRAO SUTKANE	Shivani Sutkane
324	KU SHWADIDIRAK GURTE	Shwadi Rak Gurte
325	KU SIKRASHI DNYANESHWAR KHEDEKAR	
326	KU SWEET SWIL ARUNRAO KURAR	Sweet Kurar
327	KU VIKAS NRI NARAYAN KUMAR	Vikas Kumar
328	KU VIKASH NARAYANRAO MANDLE	Vikas Mandle
329	KU VIKAS NRI KANRAO BHATTAWAR	Vikas Bhattawar
330	KU VIKAS NRI JAYESH YADAV	Vikas Yadav
331	KU VIKAS NRI ANAND KADU	Vikas Kadu
332	KU VIKAS NRI DEEPAK DAS NATH	Vikas Nath
333	KU VIKAS NRI SURESH LANGATE	Vikas Langate

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

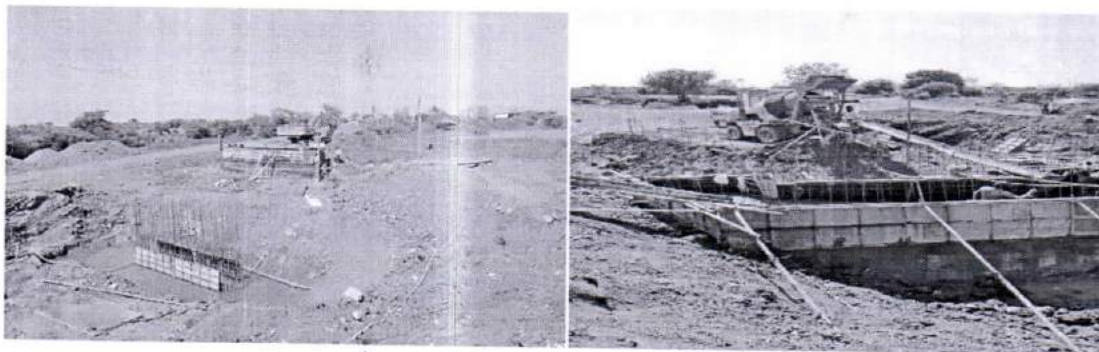
Department of Civil Engineering

Industry Interaction (2019-20)

Site Visit of Third year Students conducted at Kamunja Bridge.

Date: 3/3/2020

The site visit make the students aware with the practical knowledge of the curriculum aspects. The reason behind the construction of the bridge is the area is going to affect due to the submergence of back water of Pedhi river dam and the existing pipe bridge will be in submergence. The bridge has a total length 75m and the height of bridge 11m above the ground level. The excavation below the ground level is 5m. The grade of concrete for abutment is M30 and for pillar M45. The foundation is open type.




 H.O.D. (Civil Dept.)
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 Amravati.

P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAVATI

Department of Civil Engineering

DT. 03/03/2020

A.Y.-2019-20 (Third Year)

Site visit to Third year students at Kamaynja Bridge

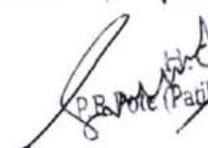
Roll No.	Name of Student	Sign. of student
301	KU ANKITA CHHATRPTI THAKRE	[Signature]
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308	KU KSHITIJA VIJAY BAGDE	[Signature]
309	KU MANASVI DNYANESHWAR SANAP	[Signature]
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311	KU NISHA JAYKISAN GUDADHE	[Signature]
312	KU PALLAVI RAMESH CHANDELE	[Signature]
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328	KU VISHAKHA NARENDRA MANDLE	[Signature]
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330	ABHISHEK SURESH YADAV	[Signature]
331	AKASH ANAND KADU	[Signature]
332	AMAN CHARANDAS NAGLE	[Signature]
333	AMIT PRAKASH LANGADE	[Signature]

**P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAVATI**

Department of Civil Engineering

A.Y.-2019-20 (Third Year)

Roll No.	Name of Student	Sign. of student
334	ANURAG SANJAY SAWARKAR	A. Sawarkar
335	APURVA MILIND WANKHADE	A. Wankhade
336	CHANDRAKANT SUNIL VIRKHARE	C.S. Virkhare
337	CHETAN BHARAT GAWANDE	Chetan B. Gawande
338	HARISH SANJAYRAO BENDE	H. Bende
339	HRUSHIKESH MANGESH TAYADE	H. Tayade
340	INDRANIL ANIL DESHMUKH	Indranil. A. Deshmukh
341	JAYESH RAMESH KHARODE	J.R. Kharode
342	KRUSHNA RAMDAS SURVE	K.R. Surve
343	MAYUR ASHOK POHANKAR	M. Pohankar
344	MAYUR KISHOR TALE	M. Tale
345	MOHIT SUNIL SHENDE	M.S. Shinde
346	NIKHIL NILKANTH KINAKE	
347	OMED HABIB KHAN	
348	PRASAD DIPAK WAGH	P.D. Wagh
349	PRIKSHIT SANJAY BHAGAT	
350	PRITAM SHARADRAO RAUT	P. Raut
351	ROSHAN ARUNRAO WATMODE	R. Watmode
352	RUSHABH PRAVIN THORATH	R. Thorath
353	SANIDHYA SHANKARRAO BUNDELE	S. Bundele
354	SARTHAK SUDHIR ADHAU	S. Adhau
355	SHANTANU VIVEK BHARSAKLE	S. Bharsakle
356	SHARAD BALIRAM SONKAMDE	S. Sonkamde
357	SHREYASH SHARAD WATANE	S. Watane
358	SHRIKRUSHNA RAJU ADE	
359	SIDDHESH SANJAY BHAVE	S. Bhave
360	SOHAIL KHAN SADIQUE KHAN	S. Khan
361	SUBODH SANJAYRAO DHENGE	
362	TANAY CHANDRASHEKHAR GAWANDE	T. Gawande
363	TEJAS DILIPRAO ANASANE	T. Anasane
364	VAIBHAV PRAMOD TAYADE	V. Tayade
365	VAIBHAV PUNDLIKRAO MOHOD	V.P. Mohod


 P.R. Pote (Civil Dept.)
 P.R. Pote (Patil) College of Engg. & Manage
 Amravati

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

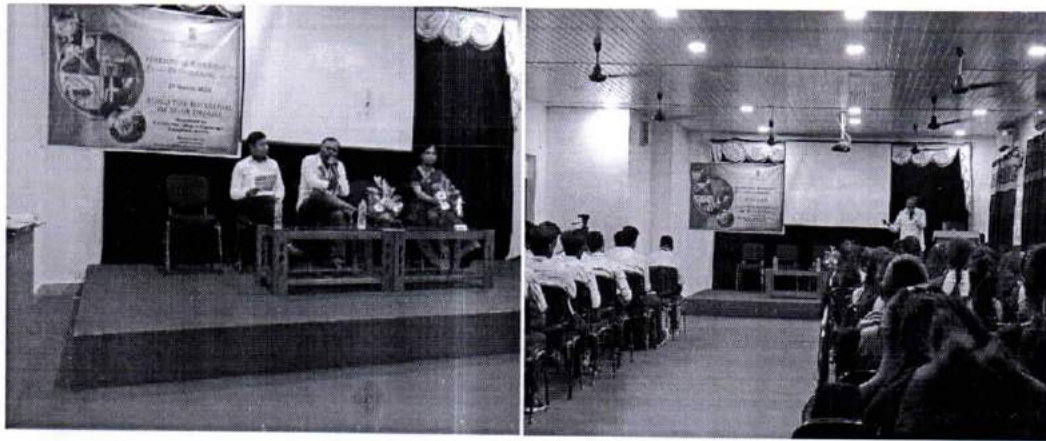
Department of Civil Engineering

Industry Interaction (2019-20)

Expert Lecture on Entrepreneurship

Date : 5/3/2020

The lecture is organized by Civil Engineering and Computer Engineering students. This lecture is concluded by Er. R .M. Khodke (Asst. Director, Khadi). Sir provide guideline about how to setup business under National Level awareness program(NLT).




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

P. R. POTE (PATEL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAYATI

Department of Civil Engineering

A.Y. - 2019-20 (Third Year)

Dr. K. S. Joshi

Control Sheet No. 10 By Dr. R. M. Kharke on 11/11/19

Roll No.	Name of Student	Sign of student
301	KUNAKTA CHAITANIL THAKRE	[Signature]
302	KUNASHWINI MANOHAR WATH	[Signature]
303	KUNASHWINI VIJAY RAMTEKE	[Signature]
304	KUNJAMINI GOPAL PATIL	[Signature]
305	KUNJANASHRI SUBHASHRAO MAHORE	[Signature]
306	KUNJAL VIKRANT PRAVIN BINGAL	[Signature]
307	KUNJAL SANJAY GIRI	[Signature]
308	KUNJALITA VIJAY BADE	[Signature]
309	KUNJAL VIKRANT PRAVIN BINGAL	[Signature]
310	KUNJAL VIKRANT PRAVIN BINGAL	[Signature]
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F. R. POTE (PVT.) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT - AMRAYATI

Department of Civil Engineering

A.Y. 2019-20 (Third Year)

Roll No.	Name of Student	Sign of Student
20190101	ANURAG SANJAY SAWARKAR	<i>[Signature]</i>
20190102	ARUN MILIND WANKHADE	<i>[Signature]</i>
20190103	CHANDRANANTH SUNE KRISHNA	<i>[Signature]</i>
20190104	CHIRAN BILARAJA WANDE	<i>[Signature]</i>
20190105	CHIRISH SANJAYRAO BENDRE	<i>[Signature]</i>
20190106	CHIRISHKESHU MANJESHILAYADE	<i>[Signature]</i>
20190107	CHIRANIL ANIL DISEMURDI	<i>[Signature]</i>
20190108	CHIRAN MISS P. BHARDE	<i>[Signature]</i>
20190109	CHIRAN AMBADA SURVE	<i>[Signature]</i>
20190110	CHIRAN ASHOK POHARILAN	<i>[Signature]</i>
20190111	CHIRAN KISHOR TALU	<i>[Signature]</i>
20190112	CHIRAN SUNDESHENDE	<i>[Signature]</i>
20190113	CHIRAN MILIND KHANDE	<i>[Signature]</i>
20190114	CHIRAN ABIL KHAN	<i>[Signature]</i>
20190115	CHIRAN MILINDIRAJ WAGRE	<i>[Signature]</i>
20190116	CHIRAN SHUBHANGI AY BILGAT	<i>[Signature]</i>
20190117	CHIRAN NISHU PABRAGI SANGI	<i>[Signature]</i>
20190118	CHIRAN ANURAG WANIYADI	<i>[Signature]</i>
20190119	CHIRAN VIKRANT KOKATE	<i>[Signature]</i>
20190120	CHIRAN ANURAG K. B. BONDRE	<i>[Signature]</i>
20190121	CHIRAN ANURAG BONDRE	<i>[Signature]</i>
20190122	CHIRAN ANURAG BHOSALE	<i>[Signature]</i>
20190123	CHIRAN ANURAG BHOSALE	<i>[Signature]</i>
20190124	CHIRAN ANURAG BHOSALE	<i>[Signature]</i>
20190125	CHIRAN ANURAG BHOSALE	<i>[Signature]</i>
20190126	CHIRAN ANURAG BHOSALE	<i>[Signature]</i>
20190127	CHIRAN ANURAG BHOSALE	<i>[Signature]</i>
20190128	CHIRAN ANURAG BHOSALE	<i>[Signature]</i>
20190129	CHIRAN ANURAG BHOSALE	<i>[Signature]</i>
20190130	CHIRAN ANURAG BHOSALE	<i>[Signature]</i>

P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE
ENGINEERING & MANAGEMENT, AMRAVATI

Department of Civil Engineering

A.Y. 2019-20 (Final Year)

Guest Lecture by Dr. R.M. Khadke on

Roll No.	Name of Student	Sign. of Student
401	KU. ANKITA PRABHAKAR MOHOKAR	A.P. Mohokar
402	KU. ANURADHA ARUN SARKATE	
403	KU. ASHWINI ONKAR SOLANKE	Pohinrao Solanke
404	KU. HARSHAL M. MESHRAM (OT)	
405	KU. NISHA BABASAHEB WANKHADE	Wankhade
406	KU. JAGRUTI SHRIKANT SHENDE	Shende
407	KU. KOMAL BABURAO KHOBRADE	
408	KU. MINAKSHI SANJAY RATHOD	M.S. Rathod
409	KU. MOKSHADA TRADEEPRAO LAWHALE	
410	KU. NISHA VIJAYKUMAR PURSANI	Pursani
411	KU. PALLAVI ANIL JA WARKAR	
412	KU. RUPAL SHAMLAL SHRIWAS	Shriwas
413	KU. SAMRUDDHI LAXMAN PANDE	
414	KU. SHIVANI GAJANAN HOLE	Hole
415	KU. SHIVANI JITENDRA SHARMA	Sharma
416	KU. SHRADDHA DINKARRAO NAGE	Nage
417	KU. SHWETA SUBHASHCHANDRA MUKE	Muke
418	KU. SNEHA ASHOKRAO SUKHIDEYE	
419	KU. SURBHI GAJANAN SONTAKKE	
420	KU. TEJAL SHRIKANT BHUSATE	Bhusate
421	KU. VAISHNAVI ANIL KALE	
422	KU. VAISHNAVI RAVINDRA VIDHATI	
423	ABHINAV BAND (DCI)	
424	AKASH BHAGWAN SADI	
425	AKSHAY BRAMHABEON SONI	
426	ANIKET GAJANAN KAWADKAR	
427	ANKIT MAHESH DILMAMONI	
428	ANUSHKA GAJANAN GHATAKE	
429	ASHISH UTTAM KAWARE	
430	DEEPIKA SHEKHAR K. WADIBHASKAR	
431	GHRIHAN PRAKASH RADHAGWAR	
432	DIWYDAY R. GAIGOLE (OT)	
433	HANSHI BHATKAR (DCI)	
434	HARISH RAJENDRA BODKHE	
435	HARISH RAJESH MASKE	
436	HRISHIKESH GAJANAN RAUT	
437	JIVAN BABANRAO JIKATE	
438	KABRISH DNYANESHVAR KALE	
439	KABRISHVI LALITANI (DCI)	
440	KANIMCHHIKAN HANNURE	
441	KANWAL KAMAL KISHOR SONI	

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

Department of Civil Engineering

Industry Interaction (2019-20)

Site Visit of second year student at ANMOL Ready Mix concrete plant at Valgaon, Amravati.

Date : 6/3/2020

The site visit helps students to aware with the practical knowledge of curriculum aspect. The purpose of visit is to understand the science behind quality of concrete proportion and automation in Civil Engineering under the guidance of plant In-charge Er. Sudarshan Dhoke and Er. Mahalle.



H.O. (Civil Dept.)
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 Amravati.

**P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAVATI**

Dt. 06/03/2020

Department of Civil Engineering

A.Y.-2019-20 (Second Year)

Site visit at ANMOL Ready mix Concrete Plant at Valgaon, Amt.

Roll No.	Name of Student	Sign. of student
201	Ku Aishwarya Digambar Saywan	A. Saywan
202	Ku Asana Waghmare	Waghmare
203	Ku Dhanashri Diliprao Rahate	D. Rahate
204	Ku Dhanshri Mahadevrao Surkar	
205	Ku Gayatri Prakash Langote	G. Langote
206	Ku Humera Harron Khan	
207	Ku Kajal Narendra Bhule	K. Bhule
208	Ku Kshitija Shivchandra Warhade	
209	Ku Minal Prabhakar Kherde	
210	Ku Nilam Ramprasad Rathod	N. Rathod
211	Ku Nilima Rajendra Matre	
212	Ku Pranita Ashok Meshram	P. A. Meshram
213	Ku Rutuja Ravindra Kalmegh	
214	Ku Samiksha Arun Aswar	S. Aswar
215	Ku Sayalee sanjay Deshmukh	S. Deshmukh
216	Ku Shrutika Bhmeshwar Tayade	
217	Ku Srushti Nandkishor Dehankar	S. Dehankar
218	Ku Tejaswini Pradip Bhokle	T. Bhokle
219	Ku Vaishnavi Shridhar Deshmukh	V. Deshmukh
220	Ku Vedanti Vivek Ingle	V. Ingle
221	Ku Vijaya Ajay Bidwai	V. Bidwai
222	Abhishek Vijayrao Ingle	
223	Abhijit Rajabhau Ingle	A. Ingle
224	Aditya Dnyaneshwar Sagne	A. D. Sagne
225	Aditya Satishrao Lokhande	
226	Ajay manohar Paithane	A. Paithane
227	Akash Dilip Waghmare	
228	Anand Suresh Akotkar	A. Akotkar
229	Anup sureshrao Kathane	
230	Apurva Ajay Dhore	A. Dhore
231	Ashutosh Chadrakant Deshmukh	
232	Bilal Ahmad Khan aziz khan	B. Khan
233	Chetan Sanjay Tiwari	C. Tiwari

P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF
ENGINEERING & MANAGEMENT, AMRAVATI

Department of Civil Engineering

A.Y.-2019-20 (Second Year)

Roll No.	Name of Student	Sign. of student
234	Jayesh Nilkanth Deshmukh	J. Deshmukh
235	Krushna Sanjay Karale	K. Karale
236	Manas Rajendrarao Paithankar	M. Paithankar
237	Mohan Uttam Kanoje	M. Kanoje
238	Mohit Prakash Atalkar	M. Atalkar
239	Nilesh Vishnu Patil	N. Patil
240	Pawan Anandrao Mankar	P. Mankar
241	Prajwal Ashok Gohatre	P. Gohatre
242	Pranav Purushottam Dabhade	P. Dabhade
243	Prasanna varhade	P. Varhade
244	Prasham Prakash Thokal	P. Thokal
245	Prathmesh Pramodrao Kubde	P. Kubde
246	Pratik Sanjay Kate	P. Kate
247	Pratik Suresh Bhande	P. Bhande
248	Pushpak Ganhadhar Raut	P. Raut
249	Rushikesh Niranjana Ingale	R. Ingale
250	Rutik Ram Sadatan	R. Sadatan
251	Rutvik Shashank Deshmukh	R. Deshmukh
252	Sachidanand Suryanarayan Behera	S. Behera
253	Sameer Anees Mulla	S. Mulla
254	Samksha Sahebraoji Chandure	S. Chandure
255	Saood Arsalan	S. Arsalan
256	Saurabh Moreshwarrao Dhawale	S. Dhawale
257	Shripad Suresh Mankar	S. Mankar
258	Tejas Sanjay Chikhale	T. Chikhale
259	Tushar Prabhakar Raut	T. Raut
260	Vicky Ganeshsing Chavan	V. Chavan
261	Yogesh Pralhad Dobe	Y. Dobe

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

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

Department of Civil Engineering

Industry Interaction (2019-20)

Site Visit of Final year student at WAN Dam, Akola.

Date : 6/3/2020

The site visit helps students to aware with the practical knowledge of curriculum aspect. The purpose of visit is to get the knowledge of different components like foundation gallery, inspection gallery, spillway gallery and other components of Dam. Er.Ankit Gulhane guided the students regarding to the dam.



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

P. R. Pote (Pati) Welfare & Education Trust's College Of Engineering & Management, Amravati

Department of Civil Engineering

A.Y.-2018-19 (Final Year)

Date: 19/03/2019

Visit to Penik Dam Project of Nagpur

Roll No.	Name of Student	Sign of student
401	Ku Aishwarya K. Bansare	[Signature]
402	Ku Aishwarya S. Bedarkar	[Signature]
403	Ku Ankita C. Tarapore	[Signature]
404	Ku Aparna Sunil Mishra	[Signature]
405	Ku Deepa Digambar Gawaj	[Signature]
406	Ku Devika Gajantrao Pethe	[Signature]
407	Ku Diksha Prashant Tayade	[Signature]
408	Ku Dipika Pravin Metange	[Signature]
409	Ku Gauri Narendra Ambhore	[Signature]
410	Ku Komal Suresh Mhaskar	[Signature]
411	Ku Kumudini R. Khakare	[Signature]
412	Ku Namrata N. Karmarwar	[Signature]
413	Ku Neha Sanjay Thakare	[Signature]
414	Ku Niketa Sanjay Adkar	[Signature]
415	Ku Pooja Sunil Pachade	[Signature]
416	Ku Pragati Anil Gaute	[Signature]
417	Ku Rachika Rajendra Mete	[Signature]
418	Ku Samiksha Parag Maitreya	[Signature]
419	Ku Sejal Ramesh Rao Sonar	[Signature]
420	Ku Shubhaga V. Nagpure	[Signature]
421	Ku Snehal Rajabhai Tayade	[Signature]
422	Ku Swati Dharmraj Borkar	[Signature]
423	Ku Tejasvi C. Ghagre	[Signature]
424	Ku Vaibhavi Nirkantur Gawaj	[Signature]
425	Ku Varshnavi Vijay Padole	[Signature]
426	Abhishek Ashok Patil	[Signature]
427	Aishwary Mahato Thakre	[Signature]
428	Akshay Ganesh Gite	[Signature]
429	Akshay Onkar Umari	[Signature]
430	Akshay Vinod Chaudhari	[Signature]
431	Akshay S. Dhawane	[Signature]
432	Amal Jay Chaudhari	[Signature]
433	Anand Kulkarni Ganesh Bage	[Signature]
434	Anshu Vinod Chaudhari	[Signature]
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450	Anshu Vinod Chaudhari	[Signature]

P. B. Pote (Patil) Welfare & Education Trust's College Of Engineering & Management, Amravati
Department of Civil Engineering
A.Y. -2018-19 (Final Year)

Roll No.	Name of Student	Sign. of student
439	Gaurav D. Wankhade	
440	Gaurav Anil Lawhale	
441	Himanshu Rajesh Agrawal	
442	Mayur Anil Girhe	
443	Mond Inzeman	
444	Mohit Ramnaranjan Pimple	
445	Piyush Pramodrao Junghare	
446	Pranav Kishor Shinde	
447	Pratik Gajanan Raut	
448	Rahul Janardan Wagh	
449	Rakesh Devidas Baghele	
450	Roopam Dhananjay Rode	
451	Rushikesh B. Bhule	
452	Sachin Arvind Tayade	
453	Sangam Sawalram Bisen	
454	Sankar Vinodrao Tidke	
455	Savinay Hanumanant Bhojane	
456	Sawankumar A. Wasnik	
457	Sayyed Junaid	
458	Shoeb Ali	
459	Shubham G. Gosavi	
460	Shubham G. Amzare I	
461	Somesh Ramkumar Doba	
462	Sumant Shrikant Patil	
463	Swarnil Onkar Mundale	
464	Syed Shazeb Ahmer	
465	Tejas Sunilrao Kale	
466	Vaibhav Pendam	

P. B. Pote (Patil) (Dada)
Principal

**Various Activities Planned / Conducted by Forum NIRMAAN
Year 2019-2020**

Sr. No	Activity	Convener / Expert	Planned period	Conducted Date
1	Guest Lecture On Advanced Technologies for Professional Carrier Development	Mr Nakul Deshmukh I Base Technology Amravati	2 Aug 2019	6 Aug 2019
2	Two Day Workshop on Static Website Development	Mr Mahesh Chavhan	10 to 11 Aug 2019	13 Aug 2019 to 14 Aug 2019
3	Three Day Workshop on Python Programming	Mr Mohsin Khan Pathan, Mr Prasad patange, Mr Pratik Wasu	17-20 Aug 2019	21 Aug 2019 to 23 Aug 2019
4	IIT Spoken Tutorial Session on Python	Dr C. A. Dhawale	10 Sept 2019	11 Sept 2019
5	Ablaze Technical Event 2019	NIRMAAN Forum	10 Sept 2019	20 Sept 2019
6	One Day Workshop on Testing	Miss Mugdha Deshmukh, Miss Madhuri Deshmukh, Mr Aniket Jagdale	29 Sept 2019	11 Nov 2019



Lecturer /A.P.
P.R. Pote (Patil) Education & Welfare Trust's
Group of Institutions College of Engrg. & Management
Kathora Road, Amravati

NIRMAAN FORUM Activity Report

Activity : Guest Lecture

Date: 6th August 2019

Resource Person: Mr. Nakul W. Deshmukh

Topic: Advanced Technologies for Professional Carrier Development

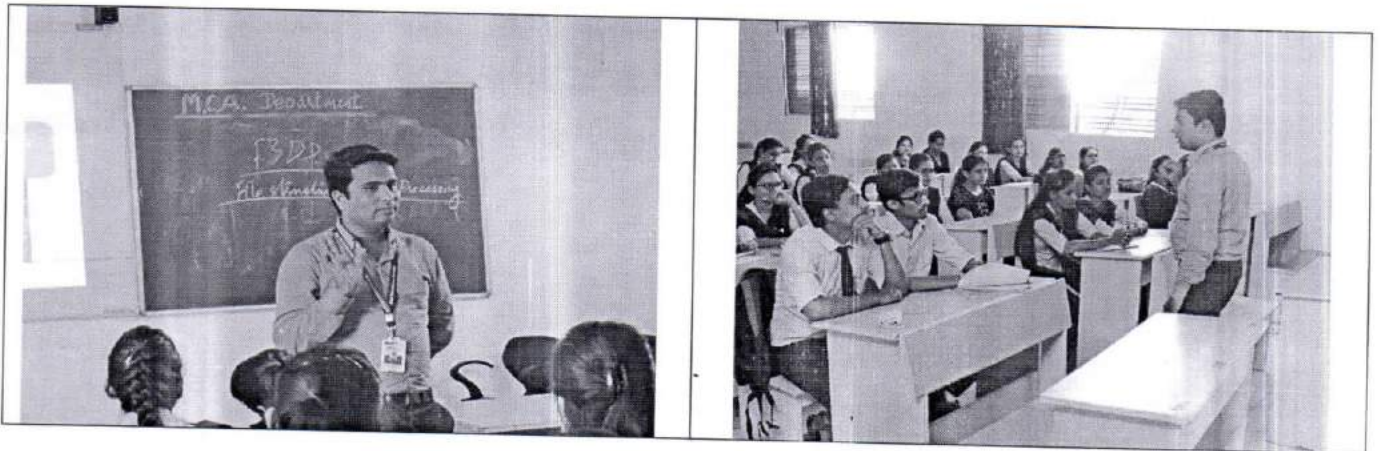
Venue: MCA Department

Guest Lecture Report-

P.G.Department of Computer Application organized a Guest Lecture on Advanced Technologies for Professional Carrier Development for the students of MCA-I and MCA-III.

In this lecture the resource person throws light on the basic as well as advanced technologies for professional carrier development. He introduced the basic concepts of python as well other industrial technologies. During guest lecture the resource person also made interaction with students.

The program ends with vote of thanks.



AKB

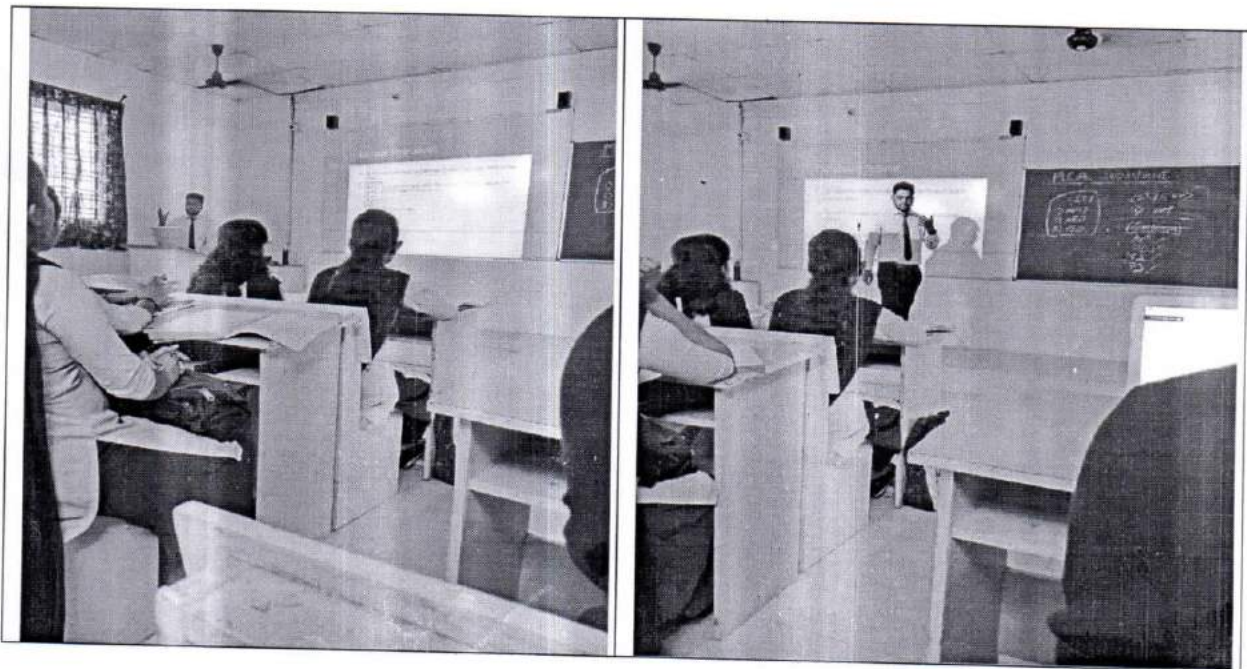
TECHNICAL MCA
Teacher / M.P.
P.A. Bore (Pali) Education & Welfare Trust's
Center of Professional Career Guidance & Development
P. Bore (Pali) Education & Welfare Trust's
P. Bore (Pali) Education & Welfare Trust's

NIRMAAN FORUM Activity Report

Activity : Technical Workshop
Date: 13th and 14th August 2019
Resource Person: Mr. Mahesh T. Chavhan
Topic: Static Website Development
Venue: MCA Department
Workshop Report-

P.G.Department of Computer Application organized a Technical Workshop on Static Website Development for the students of MCA-I and MCA-III. In this workshop the resource person throws light on required knowledge for static website development. He introduced the basic concepts of HTML and CSS, and he wrote live HTML and CSS code in front of students for their better understanding and at ending of sessions he design an simple web page by using HTML and CSS. During each session the resource person also made interaction with students.
The program ends with vote of thanks.

Workshop Photos:



ASB

Faculty In-charge of MCA
P. S. Purohit (Faculty Education & Welfare Trust's
Group of Institutions) College of Informat & Management
Lafayette College, Ahmednagar

NIRMAAN FORUM

Activity Report

Activity : Technical Workshop

Date: 21st – 23rd August 2019

Resource Persons: Mr. Mohsin Khan Pathan ,
Mr. Pratik Wasu and
Mr. Gangaprasad Patange

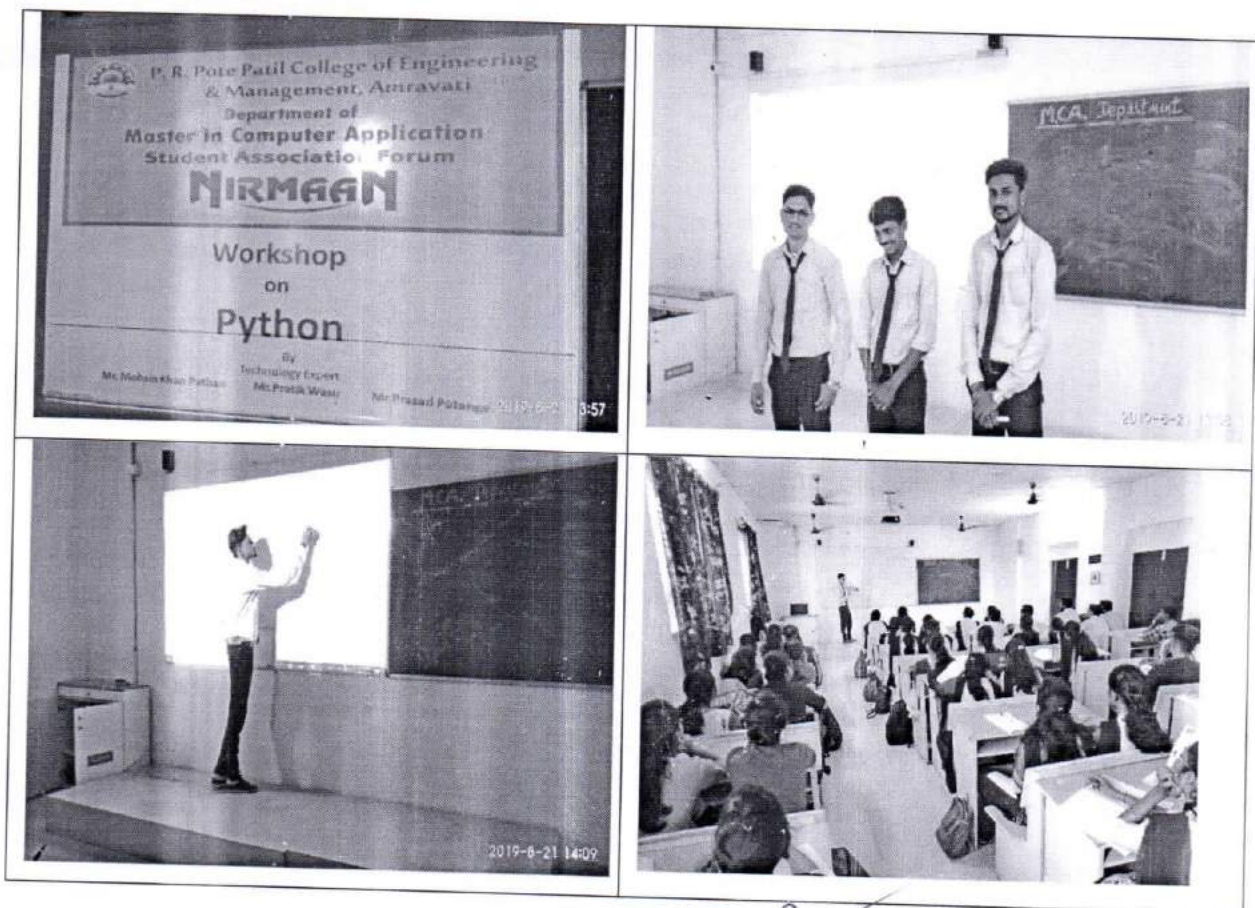
Topic: Python Programming

Venue: MCA Department

Workshop Report-

P.G.Department of Computer Application organized a Technical Workshop on Python Programming for the students of MCA-I, MCA-III and MCA-V. At the very beginning of this workshop Prof.Ms.Aparna Bhande mam introduce the resource persons and tells track of this three days workshop. On the first day of workshop one of the resource person Mr.Pratik Wasu throws light on basic introduction about Python and he also elaborate the basic concepts with examples. On the second the another resource person Mr.Mohsin Khan Pathan explains the advance features of Python with the concepts of object oriented programming , on the third day of this workshop Mr.Mohsin Khan Pathan and Mr.Gangaprasad Patange teaches about database connectivity using python. The program ends with vote of thanks.

Workshop Photos:



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H.O.D. Dept of MCA
P. R. Patil College of Engineering & Management
Amravati

NIRMAAN FORUM Activity Report

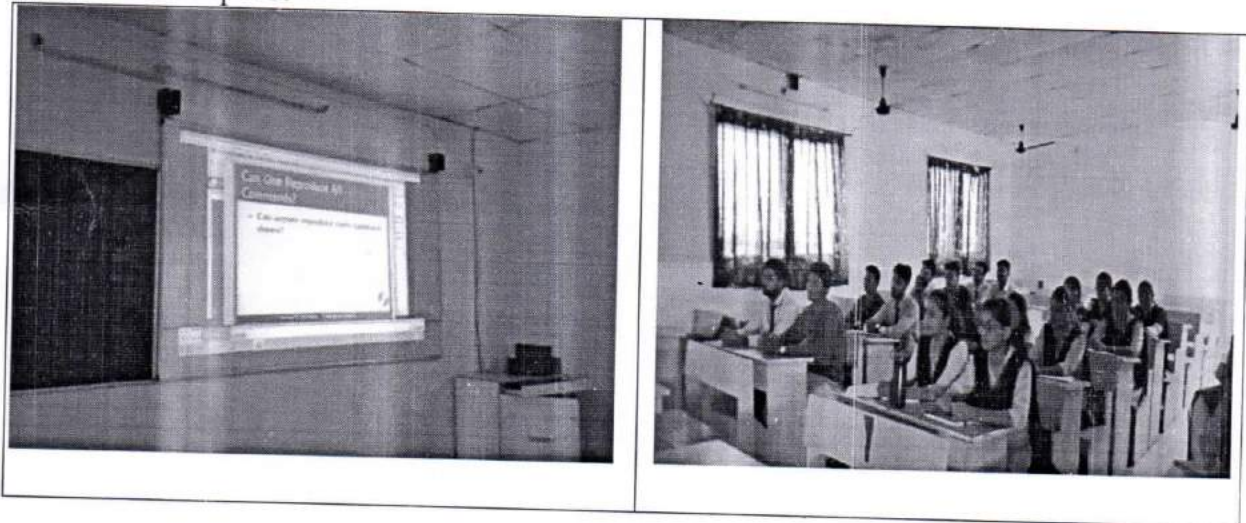
Activity : Session IIT Spoken Tutorials
Date: 11th September 2019
Topic: Python Programming
Venue: MCA Department

In order to give knowledge about Python programming to MCA students P.G.Department of Computer Application arranged a video session on Python programming for the students of MCA-I and MCA-III

At the very beginning of this session HOD of MCA department Dr.Mrs.Chitra Dhawale Mam gives the brief about this session , the session is start sharp at 11 AM followed by break at 1 PM , the remaining part of this session is continued after the 30 minute of break .

The session is get completed at 5.30 PM , at the end of this session Mr. Mahesh chavhan gives vote of thanks and declares the session is ended.

Session Glimpses:



ACB

H.C.E. Dept of MCA
P.A. Pote (Paf) Education & Welfare Trust's
Group of Institutions Group of Arts & Sciences
Kothrud, Pune, India

P R Pote Patil College of Engg and Management, Amravati
Department of MCA
Guest Lecture on Advanced Technologies for Professional Carrier Development
Attendance sheet SYMCA Dtd: 6/8/2019

Sr No	Name of Students	Signature
1	Aishwarya S.Mehare	Aishwarya
2	Akshay G Hatkar	Akshay Hatkar
3	Aniket G Jagdale	Aniket J
4	Ankit H. Balapure	Ankit B
5	Anushree S Tayade	Anushree Tayade
6	Dipshikha A Ikhe	D.A. Ikhe
7	Divya D Tayde	
8	Divya M Wandhare	Divya Wandhare
9	Harshada B Dewalkar	Harshada Dewalkar
10	Kashif Husain Nasir	
11	Kawal P Chaudhari	Kawal Chaudhari
12	Anuja P Patre	Anuja Patre
13	Kartavya J Nathile	Kartavya
14	Komal S Ingle	Komal
15	Pallavi S Diware	Pallavi Diware
16	Priya R Shrikhande	Priya S.
17	Shivani S Dahake	Shivani Dahake
18	Shivgauri U Kubde	Shivgauri
19	Shubhada D Thakare	S. Thakare
20	Sneha G Futane	Sneha Futane
21	Sunaina S Pohare	Sunaina
22	Vaishnavi F Prajapati	Vaishnavi P
23	Madhuri D Bhagat	
24	Mahesh T Chavhan	Mahesh C
25	Manish D Jadhao	
26	Muayur Sonar	
27	Mayuri D Gaydhani	Mayuri Gaydhani
28	Mugdha N Deshmukh	
29	Namrata Khawale	
30	Navnit C Raut	N.C. Raut
31	Prajakta S Tekam	Prajakta
32	Radha V Wagdarkar	Radha Wagdarkar
33	Rakesh V Rajote	Rakesh V
34	Rushabh B Deshmukh	
35	Rutuja S Wasu	Rutuja Wasu
36	Samiksha N Dawande	Samiksha N
37	Sanket A Pempakwar	Sanket Pempakwar
38	Sanket Wasankar	
39	Saurabh G Dhote	Saurabh G
40	Shivani D Jirapure	Shivani Jirapure
41	Shivani S Khade	Shivani S Khade
42	Shivdas L Pendor	

P R Pote Patil College of Engg and Management, Amravati
Department of MCA

Guest Lecture on Advanced Technologies for Professional Carrier Development
Attendance sheet YMCA Dtd: 6/8/2019

Sr No	Name of Students	Signature
1	Aishwarya Vijay Purl	
2	Akshay R. Bisandre	
3	Akshaykumar N. Telang	
4	Ankita Ashokrao Bobade	
5	Ankita Madhukar Thakare	
6	Bhagyashree S. Wankhade	
7	Chitralekha B. Kuware	
8	Devyani N. Zanwar	
9	Diksha Ramesh Rao Harle	
10	Harshali N. Tiwaskar	
11	Kalyani Rajesh Thakare	
12	Kaushal J. Karawadiya	
13	Komal Bhashkarrao Akhare	
14	Nikita Jayant Ghogare	
15	Nisha Suresh Jotwani	
16	Prajakta V. Wadbuddhe	
17	Prerna M. Tikhile	
18	Ravina P. Raghuvanshi	
19	Ravina Prakashrao Harle	
20	Savita Ashokrao Bhojar	
21	Sayali Suresh Thakare	
22	Shraddha Vijayrao Pokale	
23	Shreyasi Vijayrao Shriwas	
24	Shubham M. Kharde	
25	Shubham R. Khule	
26	Shubham V. Bhagwatkar	
27	Shubhangi M. Vitalkar	
28	Sneha R. Burnase	
29	Snehal Bhashkarrao Ingle	
30	Suchita W Mankawade	
31	Tarika R. Mendse	
32	Vaibhavi R. Deshmukh	
33	Vaishali Dilip Mundawane	
34	Vaishnavi N. Umbarkar	
35	Vrushali V. Wadaskar	
36	Yogesh Suresh Ingle	

P R Pote Patil College of Engg and Management, Amravati
Department of MCA

Two days workshop on Static Website Development
 Attendance sheet SYMCA Dtd: 13-8-21 to 14-8-21

Sr No	Name of Students	Signature
1	Aishwarya S. Mehare	Aishwarya Mehare
2	Akshay G Hatkar	Akshay Hatkar
3	Aniket G Jagdale	Aniket J
4	Ankit H. Balapure	Ankit H
5	Anushree S Tayade	Anushree Tayade
6	Dipshikha A Ikhe	D.A. Ikhe
7	Divya D Tayde	Divya D
8	Divya M Wandhare	Divya Wandhare
9	Harshada B Dewalkar	Harshada Dewalkar
10	Kashif Husain Nasir	Kashif Husain Nasir
11	Kewal P Chaudhari	Kewal Chaudhari
12	Anuja P Patre	Anuja Patre
13	Kartavya J Nathile	Kartavya Nathile
14	Komal S Ingle	Komal S
15	Pallavi S Diware	Pallavi S
16	Priya R Shrikhande	Priya R
17	Shivani S Dahake	Shivani S
18	Shivgauri U Kubde	Shivgauri U
19	Shubhada D Thakare	Shubhada D
20	Sneha G Futane	Sneha Futane
21	Sunaina S Pohare	Sunaina S
22	Vaishnavi F Prajapati	Vaishnavi F
23	Madhuri D Bhagat	Madhuri D
24	Mahesh T Chavhan	Mahesh T
25	Manish D Jadhao	Manish D
26	Muayur Sonar	Muayur Sonar
27	Mayuri D Gaydhani	Mayuri D
28	Mugdha N Deshmukh	Mugdha N
29	Namrata Khawale	Namrata Khawale
30	Navnit C Raut	N.C. Raut
31	Prajakta S Tekam	Prajakta S
32	Radha V Wagdarkar	Radha V
33	Rakesh V Rajote	Rakesh V
34	Rushabh B Deshmukh	Rushabh B
35	Rutuja S Wasu	Rutuja Wasu
36	Samiksha N Dawande	Samiksha N
37	Sanket A Pempakwar	Sanket A
38	Sanket Wasankar	Sanket Wasankar
39	Saurabh G Dhote	Saurabh G
40	Shivani D Jirapure	Shivani D
41	Shivani S Khade	Shivani S
42	Shivdas L Pendor	S. Pendor

P R Pote Patil College of Engg and Management, Amravati
Department of MCA

Two Day Workshop on Static Website Development
Attendance sheet TYMCA Dtd:13/8/2021 to 14/8/2021

Sr No	Name of Students	Signature
1	Aishwarya Vijay Puri	
2	Akshay R. Bisandre	
3	Akshaykumar N. Telang	<i>Akshay</i>
4	Ankita Ashokrao Bobade	
5	Ankita Madhukar Thakare	<i>Ankita</i>
6	Bhagyashree S. Wankhade	
7	Chitralkha B. Kuware	
8	Devyani N. Zanwar	<i>C. Kuware</i>
9	Diksha Rameshrao Harle	
10	Harshall N. Tiwaskar	
11	Kalyan Rajesh Thakare	
12	Kaushal J. Karawadiya	<i>Kalyan Thakare</i>
13	Komal Bhashkarrao Akhare	
14	Nikita Jayant Ghogare	
15	Nisha Suresh Jotwani	
16	Prajakta V. Wadbuddhe	<i>Nisha</i>
17	Prerna M. Tikhile	<i>P.V.W.</i>
18	Ravina P. Raghuvanshi	
19	Ravina Prakashrao Harle	<i>Ravina</i>
20	Savita Ashokrao Bhoyar	
21	Sayali Suresh Thakare	
22	Shraddha Vijayrao Pokale	
23	Shreyasi Vijayrao Shriwas	
24	Shubham M. Kharde	
25	Shubham R. Khule	
26	Shubham V. Bhagwatkar	<i>Shubham Khule</i>
27	Shubhangi M. Vitalkar	
28	Sneha R. Burnase	
29	Snehal Bhashkarrao Ingle	<i>Snehal</i>
30	Suchita W Mankawade	
31	Tarika R. Mendse	
32	Vaibhavi R. Deshmukh	
33	Vaishali Dilip Mundawane	<i>V. Deshmukh</i>
34	Vaishnavi N. Umbarkar	
35	Vrushali V. Wadaskar	
36	Yogesh Suresh Ingle	<i>Yogesh Ingle</i>

P R Pote Patil College of Engg and Management, Amravati
Department of MCA

Three days workshop on Python Programming
Attendance sheet SYMCA Dtd: 21-8-21 to 23-8-21

Sr No	Name of Students	Signature
1	Aishwarya S.Mehare	Aishwarya
2	Akshay G Hatkar	Akshay Hatkar
3	Aniket G Jagdale	Aniket
4	Ankit H. Balapure	Ankit B
5	Anushree S Tayade	Anushree Jagdale
6	Dipshikha A Ikhe	D. A. Ikhe
7	Divya D Tayde	Divya D Tayde
8	Divya M Wandhare	Divya Wandhare
9	Harshada B Dewalkar	Harshada Dewalkar
10	Kashif Husain Nasir	Kashif Husain Nasir
11	Kewal P Chaudhari	Kewal Chaudhari
12	Anuja P Patre	Anuja Patre
13	Kartavya J Nathile	Kartavya
14	Komal S Ingle	Komal
15	Pallavi S Diware	Pallavi
16	Priya R Shrikhande	Priya
17	Shivani S Dahake	Shivani
18	Shivgaury U Kubde	Shivgaury
19	Shubhada D Thakare	S. Thakare
20	Sneha G Futane	Sneha Futane
21	Sunaina S Pohare	Sunaina
22	Vaishnavi F Prajapati	Vaishnavi
23	Madhuri D Bhagat	Madhuri
24	Mahesh T Chavhan	Mahesh
25	Manish D Jadhao	Manish
26	Muayur Sonar	Muayur Sonar
27	Mayuri D Gaydhani	Mayuri
28	Mugdha N Deshmukh	Mugdha
29	Namrata Khawale	Namrata
30	Navnit C Raut	N. C. Raut
31	Prajakta S Tekam	Prajakta
32	Radha V Wagdarker	Radha Wagdarker
33	Rakesh V Rajote	Rakesh R
34	Rushabh B Deshmukh	Rushabh
35	Rutuja S Wasu	Rutuja Wasu
36	Samiksha N Dawande	Samiksha
37	Sanket A Pempakwar	Sanket
38	Sanket Wasankar	Sanket Pempakwar
39	Saurabh G Dhote	Saurabh
40	Shivani D Jirapure	Shivani
41	Shivani S Khade	Shivani Khade
42	Shivdas L Pendor	S. Pendor

P R Pote Patil College of Engg and Management, Amravati
Department of MCA

Three days workshop on Python Programming
Attendance sheet SYMCA Dtd: 21-8-21 to 23-8-21

Sr No	Name of Students	Signature
1	Aishwarya Vijay Puri	Aishwarya P
2	Akshay R. Bisandre	Akshay B
3	Akshaykumar N. Telang	
4	Ankita Ashokrao Bobade	Ankita
5	Ankita Madhukar Thakare	
6	Bhagyashree S. Wankhade	
7	Chitralkha B. Kuware	C. Kuware
8	Devyani N. Zanwar	Devyani N. Zanwar
9	Diksha Ramesh Rao Harle	
10	Harshall N. Tiwaskar	
11	Kalyani Rajesh Thakare	Kalyani T
12	Kaushal J. Karawadiya	
13	Komal Bhashkarrao Akhare	Komala
14	Nikita Jayant Ghogare	
15	Nisha Suresh Jotwani	Nisha
16	Prajakta V. Wadbudde	P.V.W
17	Prerna M. Tikhile	
18	Ravina P. Raghuvanshi	Ravina P.
19	Ravina Prakashrao Harle	
20	Savita Ashokrao Bhojar	Savita B
21	Sayali Suresh Thakare	
22	Shraddha Vijayrao Pokale	
23	Shreyasi Vijayrao Shriwas	
24	Shubham M. Kharde	
25	Shubham R. Khule	shubham k
26	Shubham V. Bhagwatkar	
27	Shubhangi M. Vitalkar	
28	Sneha R. Burnase	Sneha R
29	Snehal Bhashkarrao Ingle	
30	Suchita W Mankawade	
31	Tarika R. Mendse	
32	Vaibhavi R. Deshmukh	Tarika V. Deshmukh
33	Valshali Dilip Mundawane	
34	Vaishnavi N. Umbarkar	
35	Vrushali V. Wadaskar	
36	Yogesh Suresh Ingle	Yogesh Ingle

NIRMAAN FORUM

Activity Report

ABLAZE-2019

Date: 20th September 2019

Venue: MCA Department

P.R. Pote (Patil) Group of Educational Institutions, Amravati - Department of MCA organized an annual Technical Fest. **Ablaze-2019, *The Ignited Minds*** on 20th Sept. 2019. This event basically ignites the fiery minds of sparkly students. The event was inaugurated by Dr.Vijay T.Ingole, along with Dr.D.G.Wakade (Director, P.R.Pote Patil Group of Educational Institutes, Dr.Mrs.S.D.Wakade Madam, Principal, P.R. Pote College of Engg. & Mgmt and Dr.Chitra Dhawale, Head, MCA Department.

In welcome speech, Dr.Chitra Dhawale, Head, MCA Department explain the objective of Ablaze event and also gave the brief information about various sub events, She also put a light on various departmental activities like workshops on various advanced technologies, placement preparation, faculty development programmes, social visits etc.

The Chief Guest in his speech shared his valuable thoughts and motivated students for such techno-fest and also congratulates the Organizing committee for organizing such technical events.

There was a very good response from all kinds of techno savy students for this technical festival. Total 400 students from various colleges enthusiastically participated in the events like Error Finding , Mix and Match , Placement Test , LAN Gaming, Technical Rangoli and Poster Presentation.

The evaluation of every event was carried out with transparency and in neutral way. After the completion of the technical events this technical fest was concluded

by the valedictory function with prize distribution. Dr. Subhash N. Deshmukh, Principal, P.R.Pote Patil College of Agriculture, were the Chief Guest. Dr Chitra Dhawale felicitated the Chief Guest. The Chief guest felicitate the winners and runner of various events.

The Winners and runner ups of each event are as follows-

Error Finding:

- 1) Simran Khatri (Winner)
- 2) Pallavi Netankar(Ruuner)

Mix and Match:

- 1) Sanjogita Mishra (Winner)
- 2) Prashant Parmar (Runner)

Placement Test:

- 1) Nehal Sayyad (Winner)
- 2) Rajshree Deshmukh (Runner)

Technical Rangoli:

Winner Group

- 1) Sakshi Hande
- 2) Kamesh Thakare
- 3) RAdhika Mendhe

Runner Group

- 1) Pallavi Gadekar
- 2) Annu Jangid

Poster Presentation:

- 1) Kamesh Thakare
- 2) Madhura Dongaonkar

LAN Gaming:

Winner Group

- 1) Om Bhusate
 - 2) Vedant Gavande
 - 3) Saurabh Gupta
 - 4) Vikram Pawar
-

Runner Group

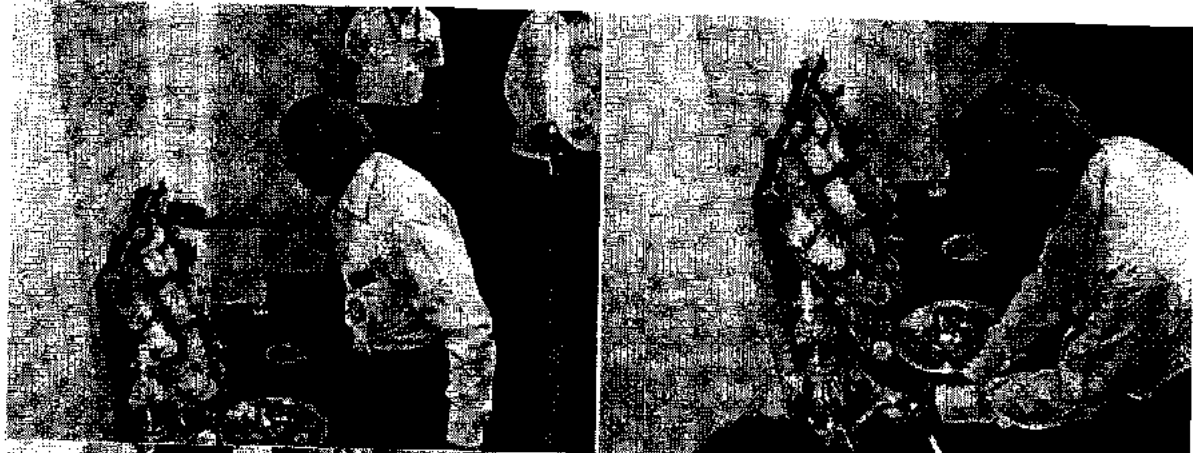
- 1) Shivam Ingole
- 2) Chinmay Tiwari
- 3) Pratik Gaonar
- 4) Manthan Karekar

And the event concluded with vote of thanks of Ablaze student organizer Mr. Steven Kamble.

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P. S. P. (P. S. P.) Education and Welfare Trust
Group of Institutions, Sector of Laxmi & Manjivani
Kathua, Jammu, Jammu & Kashmir

Event Glimpses:

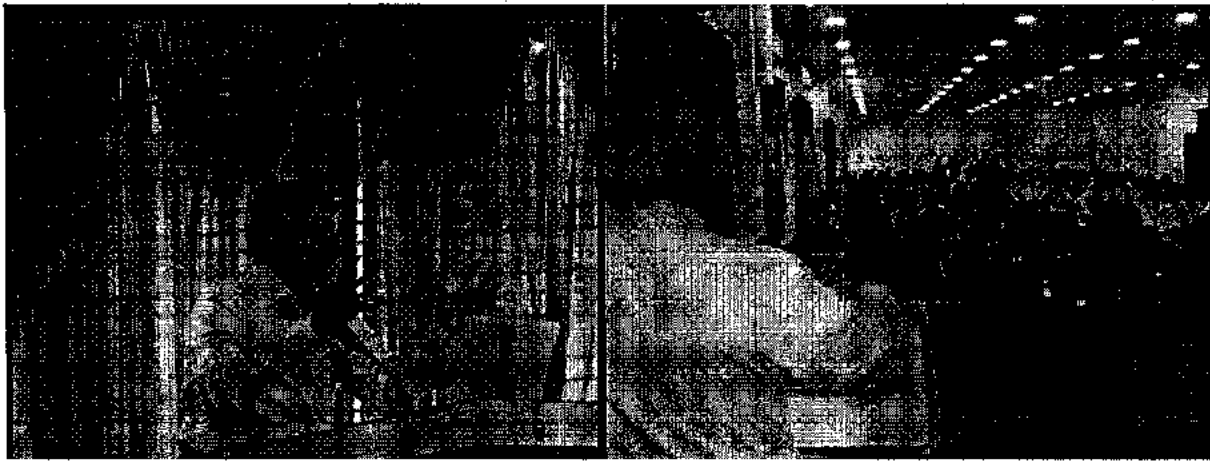
Inougaration:



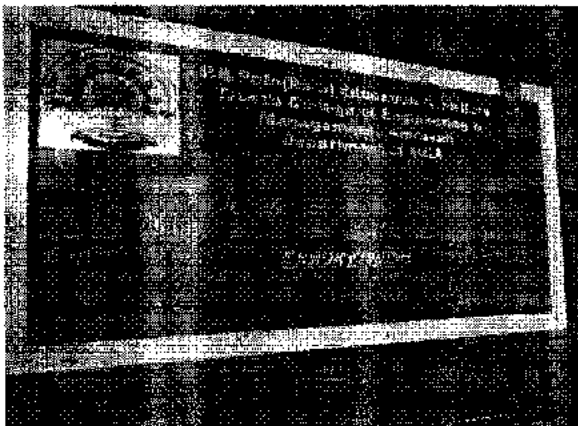


Error Finding:

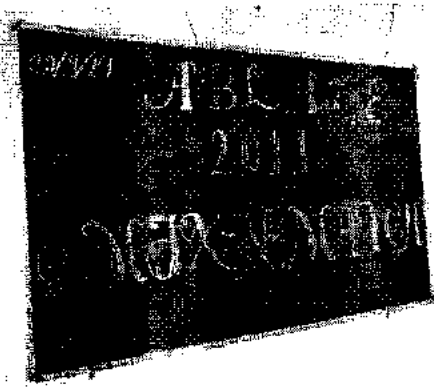




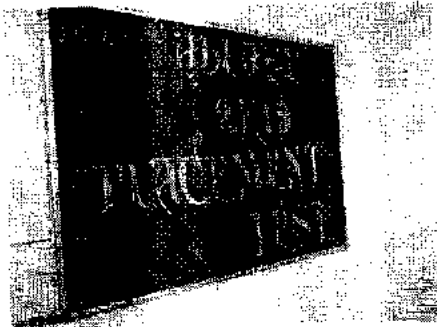
Error Finding:



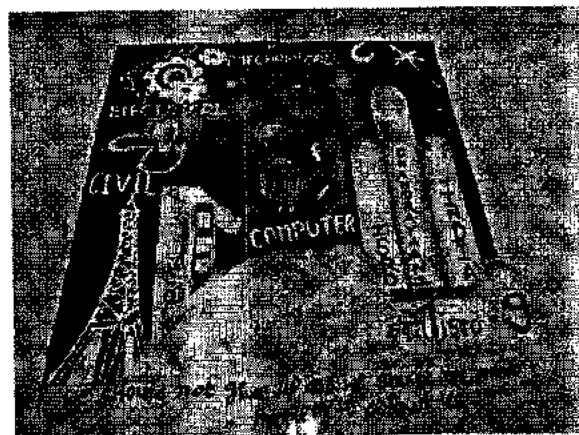
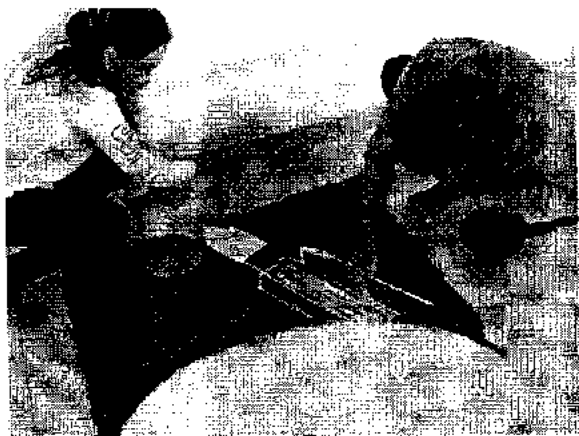
Mix and Match:



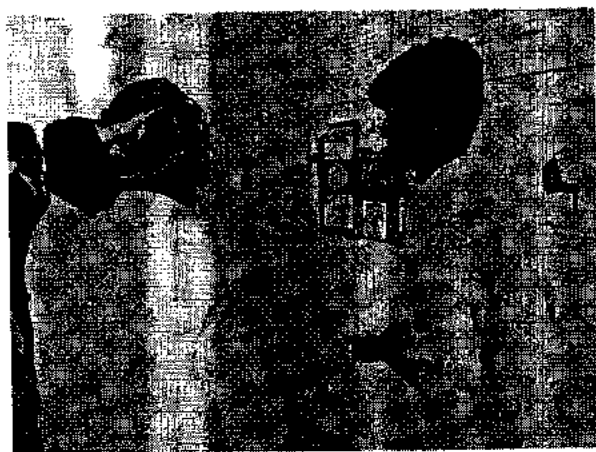
Placement Test:



Technical Rangoli:



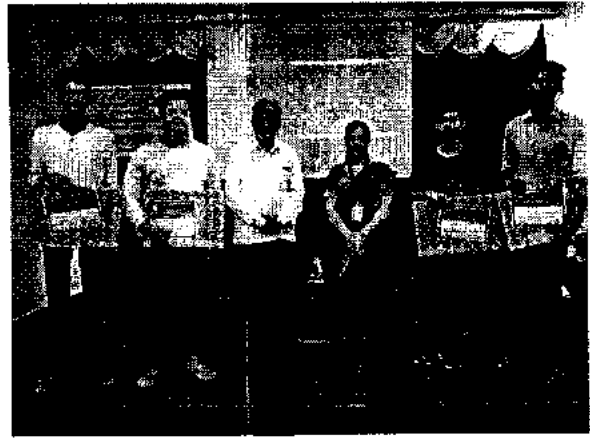
Poster Presentation:



LAN Gaming:



Valedictory and Prize Distribution:





P R Pote Patil College of Engg and Management, Amravati
Department of MCA
Technical Event "ABLAZE-19"

Attendance Sheet FYMCA - Dtd : 20h September 2019

Sr No	Name of Students	Signature
1	Aishwarya Sanjayrao Mehare	Aishwarya
2	Ankit Hemant Balapure	Ankit B
3	Anuja Pandurang Patre	Anuja
4	Mahesh Tukaram Chavhan	Mahesh C
5	Mayuri Dilip Gaydhani	Mayuri
6	Pallavi Sanjayrao Diware	Pallavi D
7	Radha Vilasrao Wagdarkar	Radha W
8	Shivani Dipakrao Jirapure	Shivani J
9	Shivgauri Umesh Kubde	Shivgauri K
10	Shweta Sunil Sharma	Shweta
11	Suvidha Sahebrao Ganoskar	

P R Pote Patil College of Engg and Management, Amravati
Department of MCA
Technical Event "ABLAZE-19"

Attendance Sheet SYMCA – Dtd : 20h September 2019

Sr No	Name of Students	Signature
1	Akshay Gangadhar Devraye	Akshay Devraye.
2	Ankit Ravindra Rajvaidya	Ankit Rajvaidya
3	Ankita B Bobade	Ankita B Bobade
4	Arati Mahadevrao Mahore	Arati Mahore.
5	Ashwini Rajendra Yeokar	Ashwini Yeokar.
6	Gangaprasad S Patange	Gangaprasad S Patange
7	Harshana Sanjayrao Bendle	Harshana Bendle.
8	Kirti S.Chhangani	Kirti Chhangani.
9	Mangesh D Khandare	
10	Mayur S Sonar	Mayur Sonar.
11	Mayuri D Junghare	
12	Mohsin Khan Pathan	Mohsin Khan Pathan
13	Namrata Jaybharat Khawale	
14	Neha Vijay Bhageriya	N. V. Bhageriya.
15	Pallavi Madhukar Patre	
16	Parimal Sudhir Pandharkar	
17	Payal Diliprao Lunge	Payal Lunge.
18	Payal Suresh Rewatakar	
19	Pooja Murlidhar Bhakare	Pooja Bhakare.
20	Prafull Ashokrao Yawale	
21	Pratik Sanjayrao Wasu	Pratik Wasu
22	Priya Ashokrao Gulhane	Priya Gulhane.
23	Rinku Anil Bhatkar	
24	Roshani Nandkishor Malik	Roshani Malik
25	Saima Parween Waheed	
26	Sakshi Ajay Bijwe	
27	Sakshi Harish Tanna	Sakshi Tanna
28	Sanket S Wasankar	
29	Seema Kailas Ingole	Seema Ingole.
30	Sheetal Anil Zambre	
31	Shiwani Dipak Deshmukh	
32	Steven Pradip Kamble	Steven Kamble.
33	Ujwal Gajendra Goupal	
34	Unnati Sunil Fuse	
35	Vaishnavi D Deshmukh	V. Deshmukh
36	Vishakha S Damodhar	Vishakha S Damodhar

P R Pote Patil College of Engg and Management, Amravati
Department of MCA

Technical Event "ABLAZE-19"

Attendance Sheet TYMCA - Dtd : 20h September 2019

Sr No	Name of Students	Signature
1	Aishwarya Vijay Puri	
2	Akshay R. Bisandre	<i>pvesi</i>
3	Akshaykumar N. Telang	
4	Ankita Ashokrao Bobade	
5	Ankita Madhukar Thakare	<i>Thakare</i>
6	Bhagyashree S. Wankhade	
7	Chitralkha B. Kuware	
8	Devyani N. Zanwar	<i>Devyani</i>
9	Diksha Ramesh Rao Harle	
10	Harshali N. Tiwaskar	
11	Kalyani Rajesh Thakare	<i>Kalyani Thakare</i>
12	Kaushal J. Karawadiya	
13	Komal Bhashkarrao Akhare	
14	Nikita Jayant Ghogare	
15	Nisha Suresh Jotwani	<i>Jotwani</i>
16	Prajakta V. Wadbuddhe	
17	Purna M. Tikhile	<i>Purna M. Tikhile</i>
18	Ravina P. Raghuvanshi	
19	Ravina Prakashrao Harle	
20	Savita Ashokrao Bhoyar	
21	Sayali Suresh Thakare	
22	Shraddha Vijayrao Pokale	<i>Shraddha pokale</i>
23	Shreyasi Vijayrao Shriwas	
24	Shubham M. Kharde	
25	Shubham R. Khule	
26	Shubham V. Bhagwatkar	
27	Shubhangi M. Vitalkar	
28	Sneha R. Burnase	<i>Sneha Burnase</i>
29	Snehal Bhashkarrao Ingle	
30	Suchita W Mankawade	
31	Tarika R. Mendse	
32	Vaibhavi R. Deshmukh	
33	Vaishali Dilip Mundawane	
34	Vaishnavi N. Umbarkar	
35	Vrushali V. Wadaskar	
36	Yogesh Suresh Ingle	<i>Yogesh Ingle</i>

NIRMAAN FORUM Activity Report

Activity : Technical Workshop

Date: 10th November 2019

Resource Person: Miss Mugdha Deshmukh, Miss Madhuri Deshmukh, Mr Aniket Jagdale

Topic: Testing Workshop

Venue: MCA Department

Workshop Report-

P.G.Department of Computer Application organized a Technical Workshop on Testing for the students of MCA I and MCA II Year. In this workshop the resource person throws light on required knowledge for how automatic and Manual testing work. He introduced the basic concepts of testing. The program ends with vote of thanks.



ASB

H.O.D. Dept. of MCA
P.S. Pote (Pate) Education & Welfare Trust's
Green Institutions College of Arts & Management
Sion, Mumbai - 400 022.

P R Pote Patil College of Engg and Management, Amravati
Department of MCA
One day workshop on Testing
Attendance sheet SYMCA Dtd: 11/11/2019

Sr No	Name of Students	Signature
1	Aishwarya S. Mehare	Aishwarya
2	Akshay G Hatkar	Akshay Hatkar
3	Aniket G Jagdale	Aniket J
4	Ankit H. Balapure	Ankit H
5	Anushree S Tayade	Anushree S Tayade
6	Dipshikha A Ikhe	
7	Divya D Tayde	Divya D Tayde
8	Divya M Wandhare	
9	Harshada B Dewalkar	Harshada Dewalkar
10	Kashif Husain Nasir	
11	Kewal P Chaudhari	Kewal Chaudhari
12	Anuja P Patre	Anuja Patre
13	Kartavya J Nathile	Kartavya J
14	Komal S Ingle	Komal
15	Pallavi S Diware	
16	Priya R Shrikhande	Priya R
17	Shivani S Dahake	
18	Shivgauri U Kubde	Shivgauri U
19	Shubhada D Thakare	
20	Sneha G Futane	Sneha G Futane
21	Sunaina S Pohare	Sunaina S
22	Vaishnavi F Prajapati	
23	Madhuri D Bhagat	
24	Mahesh T Chavhan	Mahesh T
25	Manish D Jadhao	
26	Muayur Sonar	
27	Mayuri D Gaydhani	
28	Mugdha N Deshmukh	Mugdha N
29	Namrata Khawale	
30	Navnit C Raut	N. C. Raut
31	Prajakta S Tekam	Prajakta S
32	Radha V Wagdarker	Radha V Wagdarker
33	Rakesh V Rajote	Rakesh V
34	Rushabh B Deshmukh	
35	Rutuja S Wasu	Rutuja S Wasu
36	Samiksha N Dawande	Samiksha N
37	Sanket A Pempakwar	Sanket A Pempakwar
38	Sanket Wasankar	
39	Saurabh G Dhote	Saurabh G
40	Shivani D Jirapure	
41	Shivani S Khade	Shivani S Khade

P R Pote Patil College of Engg and Management, Amravati
Department of MCA

One day workshop on Testing
Attendance sheet MCA Dtd: 11/11/2019

Sr No	Name of Students	Signature
1	Aishwarya Vijay Puri	
2	Akshay R. Bisandre	Akshay B
3	Akshaykumar N. Telang	
4	Ankita Ashokrao Bobade	Ankita
5	Ankita Madhukar Thakare	
6	Bhagyashree S. Wankhade	
7	Chitralekha B. Kuware	C. Kuware
8	Devyani N. Zanwar	
9	Diksha Rameshrao Harle	
10	Harshali N. Tiwaskar	
11	Kalyani Rajesh Thakare	Kalyani T.
12	Kaushal J. Karawadiya	
13	Komal Bhashkarrao Akhare	Komal
14	Nikita Jayant Ghogare	
15	Nisha Suresh Jotwani	Nisha
16	Prajakta V. Wadbuddhe	
17	Prerna M. Tikhile	
18	Ravina P. Raghuvanshi	Ravina P.
19	Ravina Prakashrao Harle	
20	Savita Ashokrao Bhojar	Savita B
21	Sayali Suresh Thakare	
22	Shraddha Vijayrao Pokale	
23	Shreyasi Vijayrao Shriwas	
24	Shubham M. Kharde	
25	Shubham R. Khule	
26	Shubham V. Bhagwatkar	
27	Shubhangi M. Vitalkar	Shubha
28	Sneha R. Burnase	
29	Snehal Bhashkarrao Ingle	Snehal Ingle
30	Suchita W Mankawade	
31	Tarika R. Mendse	
32	Vaibhavi R. Deshmukh	V. Deshmukh
33	Vaishali Dilip Mundawane	
34	Vaishnavi N. Umbarkar	
35	Vrushali V. Wadaskar	
36	Yogesh Suresh Ingle	Yogesh Ingle

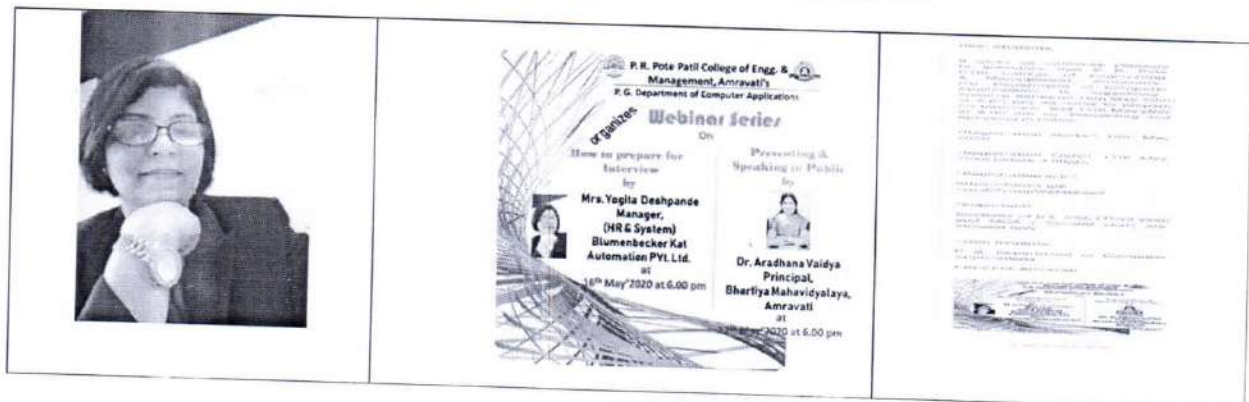
P. R. POTE PATIL COLLEGE OF EMGG AND MANAGEMENT,
AMRAVATI

P. G. DEPARTMENT OF COMPUTER APPLICATION

REPORT ON WEBINAR BY YOGITA DESHPANDE

The webinar was decided by telephonic call to Mrs Yogita Deshpande on 13th May,2020. The speaker is working as the **Manager, HR & System, in Blumenbecker Ket Automation Pvt. Ltd.** She has done her B. E. (IT) from PRMITR, Badnera. After the telephonic conversation she send her profile and acceptance of the webinar on 16th May at 11.00am. Topic was selected as "How to prepare for Interview". Then the poster was created and advertisement was done and conveyed to students from B. E.(CSE...3rd Year) and M.C.A. The Meeting was decided to take on Zoom App.

After some introduction of her she started the webinar. The speaker discussed about the personality improvement, the requirements for Company and also discussed about the computer language students should learn before applying in the company and the expectations of HR from students. He also stressed on to learn extra foreign languages like Japanese, German, French or so. Speaker gave her mail id to students so as to discuss any queries if students have.



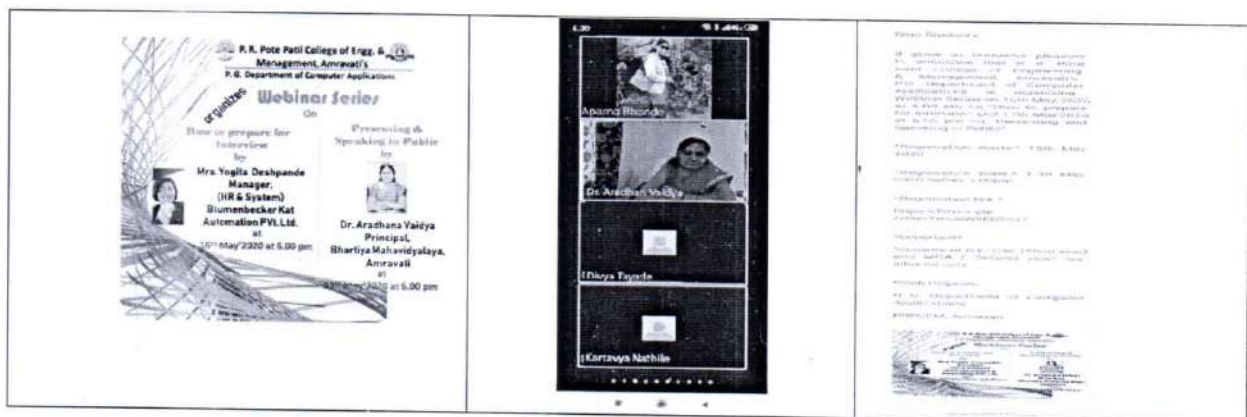
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Group of Institutions College of Engg. & Management
Kathina Road, Amravati

**P. R. POTE PATIL COLLEGE OF EMGG AND
MANAGEMENT, AMRAVATI**
P. G. DEPARTMENT OF COMPUTER APPLICATION
REPORT ON WEBINAR BY DR. ARADHANA VAIDYA

The invitation for webinar was given to Dr. Aradhana Vaidya through telephone and mail. The speaker mailed about the acceptance and send her profile on 13th May,2020. The speaker is a Principal of Bhartiya Mahavidyalaya, Amravati. After the telephonic conversation date for the webinar was decided on 17th May,2020 at 11.00 am and the topic for the webinar was "Presenting and Speaking in Public". Then the poster was created and advertisement was done and conveyed to students from B. E.(CSE...3rd Year) and M.C.A. The Meeting was decided to take on Zoom App.

The speaker introduced herself and discussed on the topic. She explained how verbal and body language is important to deliver the message. She discussed on improving self confidence and told students to be prepared thoroughly before speaking so as to have a good impact.




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**P. R. POTE PATIL COLLEGE OF EMGG AND
MANAGEMENT, AMRAVATI**
P. G. DEPARTMENT OF COMPUTER APPLICATION
REPORT ON WEBINAR BY DR. ANURADHA TOTEY

Dr. Anuradha Totey, the International Life Coach and Motivational Speaker have been invited for the webinar on 13th May, 2020 thru Social media. She gave her concerned and the date. The date was finalized as 27th May, 2020 and the topic was "How to overcome Inferiority Complex" at 11.00 am. Dr. Anu is an Ophthalmologist by profession and has done her MBA in HR. She has been organizing such sessions internationally and also takes offline and online counseling sessions.

The webinar was started by introduction and welcome of the guest and all the participants by Sunaina Pohare student of SYMCA. She read the profile of the speaker and then speaker welcome the Chairman, Director, Principal and HOD. She started the webinar directly by quiz sort of and very well explained with examples how one can defeat the complex and try to think that no one on this earth is bigger or smaller.




ASB

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

Post Graduation Department of
Master In Computer Application
 Organising

ALUMNI talk
 Resume building &
 Personality Development



Akshata Mehta
 HR Manager
 Location : Singapore

15th June 2020
 12.00 PM

Date of Alumni talk Webinar : 15/06/2020

Our alumni Akshata mehata working as HR Manager at Singapore discussed with students on Resume Building and Personality Development with MCA students

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

Post Graduation Department of
Master In Computer Application
 Organising

ALUMNI talk
 Promising Domains/Technologies
 in the Market



Akshay Morkhade
 Marketing Automation
 specialist@BMC Soft.

4th June 2020
 3 PM

Date of alumani talk : 04/06/2020

Akshay Morkhade working as marketing automation specialist at BMC soft our proud alumni talk with the Symca and Fymca students on topic promising domains / technologies in market


ASB

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 Group of Institutions College of Engineering & Management
 Amravati

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

Post Graduation Department of
Master In Computer Application

Organising
Expert talk
 Information Management
 &
 Data Science



Mangesh Tayade
 Independent IT
 Management Consultant

14th June 2020
 12.00 PM


Date of Webinar : 14/06/2020

MCA Department had organized Expert talk by Mr Mangesh Tayade Independent IT Management Consultant on Information management and Data Science for MCA students

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

Post Graduation Department of
Master In Computer Application

Organising
ALUMNI talk
 Kick-start your career
 with DevOps & Cloud



Anand Deshmukh
 DevOps Consultant
 @Cybage

13th June 2020
 2 PM

Date of Alumni talk : 13/06/2020

online alumni talk by anand Deshmukh our proud alumni working as a DevOps consultant at Cybage discussed with SYMCA, FYMCA students on kick start your career with DevOps and cloud



H.O.D. Dept. of MCA
 P. R. Pote Patil College of Engg. & Mgmt. Amravati
 Group of Institutions, College of Engg. & Mgmt. Amravati

P R POTE PATIL COLLEGE OF ENGG AND MANAGEMENT , AMRAVATI
DEPARTMENT OF MCA
ONLINE WEBINAR , ALUMNI TALK ATTENDANCE 19-20

* The attendance were taken by personally calling the names of the students after the completion of webinar , alumni talk

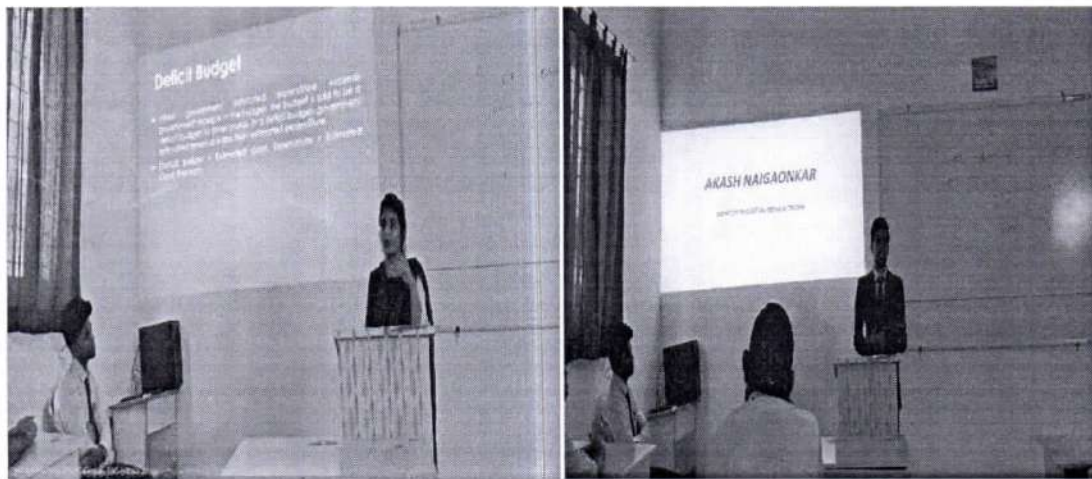
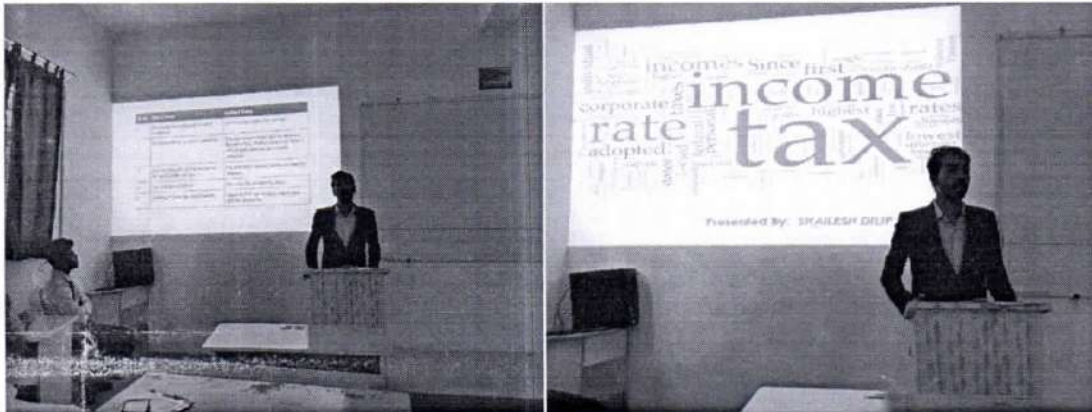
NAME OF STUDENTS	Ms Yogita Deshpande	Dr Aradhana Vaidya	Dr Anuradha Totey	Mr Akshay MorkHade 4/6/2020	Mr Anand Deshmukh	Mr Mangesh Tayade	Ms Akshata Shah
AISHWARYA SANJAYRAO MEHARE	A	P	P	A	P	P	P
AKSHAY GANESH HATKAR	A	A	P	A	A	A	A
ANIKET GAJANAN JAGDALE	P	A	P	A	A	P	P
ANKIT HEMANT BALAPURE	P	A	P	A	A	A	A
ANUJA PANDURANGJI PATRE	P	A	P	A	A	P	P
ANUSHREE SURESH TAYADE	A	A	P	P	A	P	P
DIPSHIKHA ANIL IKHE	A	A	A	P	A	A	A
DIVYA DINKAR TAYDE	P	P	A	P	A	P	P
DIVYA MAHENDRA WANDHARE	A	P	A	A	P	P	P
HARSHADA BANDU DEWALKAR	P	A	P	P	P	P	P
KARTAVYA JAGDISH NATHILE	P	P	A	P	P	P	P
KASHIF HUSAIN NASIR HUSAIN	A	A	A	A	A	A	P
KEWAL PRADEEP CHOUDHARI	P	A	P	A	P	P	A
KOMAL SURESHRAO INGALE	P	P	P	A	P	P	A
MADHURI DNYASHWAR BHAGAT	A	A	A	A	A	A	P
MAHESH TUKARAM CHAVHAN	P	P	A	P	P	A	P
MANISH DILIPRAO JADHAO	A	P	P	A	A	A	A
MAYURI DILIP GAYDHANI	A	A	A	A	A	P	A
MUGDHA NITIN DESHMUKH	P	P	P	A	A	P	P
NAVNIT CHANDU RAUT	P	P	P	A	P	P	A
PALLAVI SANJAYRAO DIWARE	P	A	P	A	P	P	P
PRAKASHA SHAMRAO TEKAM	P	A	A	P	P	P	P
PRIYA RAVINDRA SHRIKHANDE	P	A	P	P	P	P	P
RADHA VILASRAO	A	A	P	A	A	P	P
RAKESH VIJAYRAO RAJOTE	P	A	A	A	A	P	P
RUSHABH BHARATRAO DESHMUKH	A	A	P	A	A	A	A
RUTUJA SUNIL WASU	A	A	P	P	P	P	A
SAMIKSHA NAMDEORAO DAWANDE	A	A	P	P	P	P	P
SANKET ANIL PEMPAKWAR	P	A	A	P	A	P	A
SAURABH GANGADHARRAO DHOTE	P	P	P	A	P	P	P
SHIVANI DIPAKRAO JIRAPURE	P	A	P	A	A	P	P
SHIVANI SUBHASH KHADE	P	P	A	A	A	P	A
SHIVANI SUBHASHRAO DAHAKE	P	P	P	P	P	P	P
SHIVDAS LAXMAN PENDOR	A	A	P	A	A	P	A
SHIVGAURI UMESH KUBDE	P	A	A	A	A	A	A

19-20
MBA

Union Budget Workshop

Date: 01 Feb 2020

Department of MBA organized “Budget Awareness Program” on 1st February 2020. Faculties from the department were present during the program. Prof S. R. Shah gave detailed information about Budget and about its importance. Students from second year gave presentations on different aspects of the budget. Mr. Akash Naigoankar, Mr. Shailesh Roy & Ms. Vaishnavi Mahalle (all from 2nd year) were the prominent presenters on this occasion. Several students from the audience raised many queries. All the doubts were cleared by the presenters.



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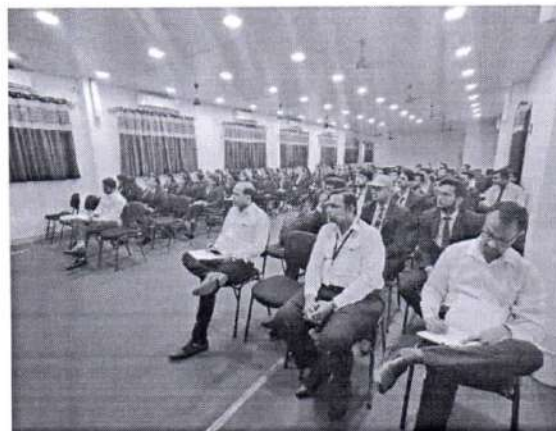
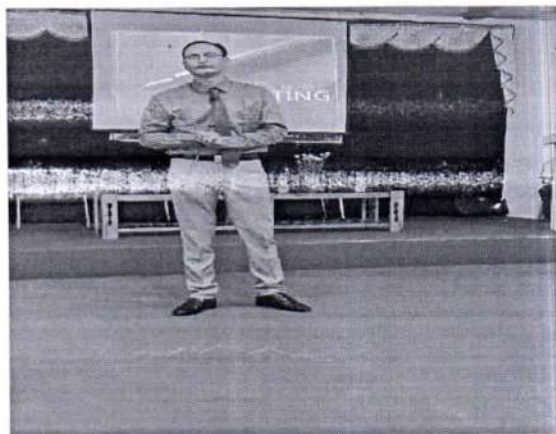
Workshop on Report Writing

Guest: Dr. Linge (Research Analyst) Nagpur University

Date :- 20 February 2020

Dr. Linge was invited to the MBA department to deliver a Work shop on **REPORT WRITING**. This session was attended by MBA students and faculties. The objective of the guest lecture was to make the students aware about different aspects of Report Writing, format of reporting and to help students choose their research topic.

Dr. Linge explained to students the value of a good Research Paper. He appealed to students to have right approach towards their research work and to put in honest efforts instead of copying it from somewhere. Students' queries were answered and the session helped build confidence among students.



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Amravati.

Patil Education & Welfare Trust's Group of Institution, College of Engineering & Management,

Amravati
DEPARTMENT OF MBA
Attendance 2019-20
Class: 2nd Year

Guest Lecture -
15/1/20
20/1/20
20/1/20
20/1/20
20/1/20

Sr.No	Roll No	Name of the Student	19-Jan	20-Jan	21-Jan	22-Jan	23-Jan	24-Jan	25-Jan	26-Jan
1	A-01	AACHAL MANOHARRAO WADHANKAR					P	P		
2	A-02	ABOLI PRAMODRAO KALBANDE					Ab	Ab		
3	A-03	ANKITA DATTATRAYA DHATRAK					Ab	Ab		
4	A-04	ANKITA VINODRAO UGHADE					P	Ab		
5	A-05	APURVA PRAMOD KALBANDE					P	P		
6	A-06	ASHWINI NANDKUMAR RAUT			P		P	P		
7	A-07	ASTHA RAVI BAJPAI					P	Ab		
8	A-08	DIPIKA DNYANESHWAR JOLHE					P	P		
9	A-09	GAYATRI MANOHAR SHIRBHATE					P	P		
10	A-10	KANCHAN PRAMODRAO SONARE					P	P		
11	A-11	KOMAL DILIPRAO TURKHADE					P	Ab		
12	A-12	KOMAL RAJENDRAPANT KOKATE					P	P		
13	A-13	MANISHA SURESH JADHAV					P	P		
14	A-14	MAYURI RAVINDRA TAYADE					P	Ab		
15	A-15	MUGDHA SANJAY KORDE		P		P	P	P		
16	A-16	NEHA SUNIL DHOKE					Ab	Ab		
17	A-17	NIKITA CHANDRASHEKHAR KHANNA					Ab	P		
18	A-18	NIKITA MAHADEORAO SHIRBHATE					P	P		
19	A-19	NILIMA GORELAL BARPETE					P	P		
20	A-20	POOJA RAMESH TAYADE					P	P		
21	A-21	PRANOTI RAVINDRA NAGPURE					Ab	Ab		
22	A-22	PRATIKSHA SUNIL MATHURKAR					P	P		
23	A-23	PRIYA VINOD DALU		P			P	P		
24	A-24	RASHMI RAMKRUSHNA KAKADE					P	P		
25	A-25	ROHINI RAMESHRAO KALE		P			P	P		
26	A-26	RUDRAYANI SATISH SAPDHARE					P	P		
27	A-27	RUPALI PRATAP MALWE					P	P		
28	A-28	RUTUJA JAGDISH DESHMUKH		P		P	P	P		
29	A-29	RUTUJA PRAMOD PARANJALE					P	P		
30	A-30	SANTOSHI DILIP BURHAN		P		P	P	P		
31	A-31	SNEHAL NANDKISHOR SHARMA					Ab	Ab		
32	A-32	SHRADDHA TILAKCHAND GARADE					P	P		
33	A-33	SHRADDHA VIKAS LOKHANDE		P			P	P		
34	A-34	SHRUTI SANJAY KHARATE					P	P		
35	A-35	SRUSHTI SANJAYRAO GULHANE					P	P		
36	A-36	SURBHI NAVALKISHOR RATHI					P	P		
37	A-37	TEJAL PRAKASHRAO SHRIRAO					Ab	Ab		
38	A-38	TRUPTI ANIL WADE					P	P		
39	A-39	URMILA DHANRAJ BARBUDHE					Ab	P		
40	A-40	VAISHNAVI HEMANTRAO DAWALE					P	P		
41	A-41	VAISHNAVI RAJENDRARAO BOBADE					P	P		
42	A-42	VAISHNAVI SUBHASH BOBADE					P	P		
43	A-43	AKSHAY RAVINDRARAO SHIRBHATE		P			P	P		
44	A-44	ANKUSH SURESHWAMI MAJALGAONKA		P			P	P		
45	A-45	KALPESH NARENDRA TAYADE					P	Ab		
46	A-46	KALPESH VINODRAO WANKHADE					P	P		
47	A-47	KUNAL VIJAYRAO WANKHADE		P		P	P	P		
48	A-48	MURLIDHAR DEVKISANJI BAJAJ		P		P	P	P		
49	A-49	PIYUSH PRAMOD VYAS		P			Ab	P		
50	A-50	PRAJWAL PRAKASH MALTHANE		P			P	P		
51	A-51	PRAJWAL SURESH IKHAR					P	P		
52	A-52	PRATIK VIJAY YEOTKAR		P			P	P		
53	A-53	PRIYANSH KAKANI		P			P	P		
54	A-54	RUPESH SANTOSHRAO DHANDAR					P	P		
55	A-55	SHAIKH IMRAN SHAIKH SADIQUE					P	P		
56	A-56	SHOEB AKHTAR ABDUL RAFIQUE					P	P		
57	A-57	SHRIHARI VINODRAO WASANKAR		P			P	Ab		
58	A-58	SURAJ PRAKASH BIHADE					Ab	P		
59	A-59	SWAPNIL SANJAY RAI		P		P	P	P		
60	A-60	VIPIN ARVINDRAO KALE		P		P	P	P		
61	A-61	VISHAL RAMESH THETE		P			P	P		

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

REPORT

On

INDUCTION PROGRAM

(2019-20)



**P. R. Pote College of Engineering and
Management,
Amravati**



TITLE OF THE EVENT	Induction Program (2019-2020)
OBJECTIVE OF THE PROGRAM	<ul style="list-style-type: none">• To make the students familiar with the new department, courses, library instructions, faculty and supporting staff, college campus.• The main emphasis of induction program is to ensure that new students can quickly learn the college policies, processes and practices.• To intimate them about the Vision, Mission, Aim & Objectives of the Institute.• To welcome the students and make them feel comfortable and engaged at the same time.
DATE OF EVENT	From 19 th August to 5 th September
EVENT VENUE	Mahatma Gandhi Hall
NO. OF PARTICIPANTS	250 Students

Briefing of the Program	DAY 1 Dated 19/08/19
	<p>On first day of Induction Program, Prof. S. A. Jalit and Prof. G. B. Malviya visited all the classes of First Year and motivated the students. They in their speech told the students the meaning and importance of the Induction Program. They explained that morals and values play a vital role to become a successful person. Also, along with this, a good relationship with you yourself, with your family members, friends, relatives, colleagues is also essential.</p>
	DAY 2 Dated 20/08/19
	<p>The guest speaker of the second day of the Induction Program was Mr. Sudhir More. In his address to the students, he emphasized on the importance of vision and mission in one's life. He motivated the students to set a goal in their life.</p>
	DAY 3 Dated 21/08/19
	<p>Dated 21st August 2019, the guest lecturer Dr. Pratap Budhwani explained that '<i>Sahajyog</i>' is one the effective meditation method to relieve stress and tension from day to day routine life. He gave the information about the seven chakras in a human body and insisted the students to practice Sahajyog to activate these chakras, so that they could live their life to the fullest.</p>

DAY 4**Dated 22/08/19**

Mrs. Vrushali Bhaktani on the fourth day explained some preliminary Kriyas of Sahajyog meditation. The students along with the faculty members meditated under the guidance of Vrushali Madam

DAY 5**Dated 23/08/19**

Mr. Ram Bhaktani on 23rd August 2019, conducted the further follow up session of Sahajyog. He explained that regular practice of Sahajyog can keep one emotionally balanced. Meditation was carried out under his guidance. Some of the students responded very well during meditation sessions.

DAY 6**Dated 24/08/19**

On Saturday, i.e. 24th August'19 '*ShramDan*' was carried out by the First Year Students under the guidance of the faculty members. Saplings were planted in the college premises. Students actively participated in this event.

DAY 7**Dated 26/08/19**

Hon' Principal's Address took place on Monday dated 26th August'19. The HOD of First Year Department and the Vice Principal of our Institute, Hon' Prof. P. R. Wadnerkar gave the Introductory speech in which he motivated the students to study well and score good marks so that they get placed in the companies. The Training and Placement Officer, Prof. Prashant Thombre addressed the students and encouraged them to do academically well.

The Guest Speaker, Prof. Mohd Zuhair persuaded the students to bring excellence in their strengths. Hon' Principal, Dr. S. D. Wakde discussed various aspects to become good learner. She insisted the students to give their 100%, whatever work they do. She concluded her speech by telling the modified version of, "The Hare and Tortoise" story and discussed the moral that ,a high spirited team work can bring out best results.

DAY 8

Dated 27/08/19

Mr. Swapnil A. Gawande was the Guest of Honor on 8th day of the Induction Program. He was a role model for the students as he was not only a successful Engineer but also a socially responsible citizen. Life is beautiful, but for few people such as physically disabled people, it has become ugly. Mr. Swapnil was on a true mission to make life beautiful for the less fortunate ones. He is Founder and Director of Deesha Eye Bank and Deesha Education Foundation. He brought awareness about the importance of Eye donation and thus inspired the students to live for a good cause so that they could experience the satisfaction, peace and joy of contribution. The students got inspired and voluntarily came up to become member of the foundation.

DAY 9

Dated 28/08/19

The guest speaker, Mr. Sopan Kanerkar in his humorous way brought awareness about the changing culture of todays modern society. He reminded the students about their responsibilities towards their parents, teachers and the society. He encouraged the students to find out their inner hidden good qualities and make use of it for the betterment of their life as well as others life. He portrayed some of the harsh realities of the society in a witty way. In his lucid, amusing, connecting and vivid

narration; aided with bright screen images of his running experiences across our society; the youngsters spent a great time travelling through the ups and downs of the story and laughing hilariously at various anecdotes shared. But at the same time the students received the right message.

DAY 10

Dated 05 /09/19

On 5th September 2019, students celebrated Teacher's Day in their respective classes. Students decorated the classes, engaged lectures and invited the faculty members to celebrate this occasion.

On this eve, Hon' Head of Department & Vice Principal, Prof. P. R. Wadnerkar addressed the students. He expressed his views, that the parents love their children unconditionally; the only thing they expect from their children, is that they become successful human beings. In the same way, the teachers wish, that their students should study well, score good marks, get placed in good companies and become good human beings. This is the only thing they want in return when they teach them. The Academic Dean of the Institute, Dr. A. D. Bhoyar motivated the students by his speech.

DAY 11

Dated 03/09/19

On 3rd September'19 on the eve of Rishi Panchmi, Poojan and Arti of Swami Gajanan Maharaj took place in the Main Building. Also the Stotra Pathan, the recitation of the holy book was carried out in the presence of Hon' Principal, all the Head of Departments, all the faculty members. The first year students were also present for the same. Praying hymns and chanting the strostras on mass level creates a holistic atmosphere in the Institute. Also the students get connected with the roots of Indian Culture.

	<p style="text-align: center;">DAY 12 Dated 11/09/19</p> <p>As Ganesh Utsav was celebrated from 2nd September to 12th September in college premises, on the 10th day i.e on 11th September "Dahi Handi" was organized. It was inaugurated at the hands of Chairman of the Institute, Hon'Shri Pravin Bhau Pote. Students from different sections of First Year came up voluntarily to become part of dahi handi team. Both the teams, Girls and Boys performed with high spirits and did well in the competition.</p>
	<p style="text-align: center;">DAY 13 Dated 24/09/19</p> <p>Dated 24/09/19, an Orientation Program was organized in the Seminar Hall, Main Building. Distinguished Speakers interacted with the fresh entrants of the college. The topics of these talks ranged from motivation to spirituality.</p> <p>The program began with the Guruprathana and strotras followed by a motivational talk by one of the torch bearers of the program, Dr. S. K. Omanwar, Ex-HOD of Physics Department and Ex-Chairperson of Swami Vivekananda Study Circle, Sant Gadge Baba Amravati University. His simple words threw light on the meaning of 'Success' and 'Education' for young listeners. He passed the message to the bright minds; that to become an ideal student one needs to read, write in their own words and understand a concept by contemplating on it. Also to become successful, one needs to implement and execute certain ideas in a proper way. He appreciated the students, the way they sang Guruprathana together, with correct notes and rhythm. He added to his speech that daily prayers can act as antivirus to negativities in human beings.</p> <p>On the same day, another motivational lecture based on the 'Universal Human Values' was delivered by the eminent monk, Swami Bhitiharananda, Ramkrishna Mission, Hyderabad. He narrated the meaning of the</p>

	<p>shlokas recited at the beginning of the program. In a light-hearted manner, telling short moral stories, he dwelt upon serious themes.</p> <p>Prof. Shingaveker, Professor at SGBAU and Present Chairman of the Swami Vivekananda Study Circle, SGBAU, Dr. D. G. Wakde, Director, P.R.P.C.E.M., Dr. S. D. Wakde, Principal, P.R.P.C.E.M. , Prof. P. R. Wadnerkar graced the program with their presence on the dais. Dr. S. A. Patil anchored the program. Prof. G. B. Malviya proposed the vote of thanks.</p>
	<p style="text-align: center;">Day 14 Date 19/10/19</p> <p>With the steadfast support and encouragement of Head of First-Year Department, Prof. P. R. Wadnerkar and under the guidance of Prof. G. B. Malviya and Prof. A. W. Mahure, Prof. Roshan Ambadkar, Prof. Sachin Jalit and Prof. Pankaj Patil lead the way to the students, to the Ajinkya Shikshan Sansthan. They celebrated Diwali with children who are mentally disabled. Students distributed sweets and crackers to them.</p>
<p style="text-align: center;">COMMITTEE MEMBERS</p>	<ul style="list-style-type: none"> • Co-ordinator : Prof. G. B. Malviya, Prof. S. A. Jalit • Anchors : Dr. S. A. Patil, Prof. A. N. Ali, Dr. S. A. Khapre, Prof. G. B. Malviya • Hospitality & Guests : Dr. S. A. Khapre, Dr. S. A. Bhojne • Hall Seating, sound : Prof. V. S. Umap, Prof. R. V. Ambadkar • Discipline : Prof. A. W. Mahore, Prof. H. R. Dhanbhar • Power Point Presentation : Prof. A. V. Dahat

	<ul style="list-style-type: none"> • Report writing: Dr. S. A. Patil
CONCLUSION	Getting familiar with new department, courses, library instruction, and faculty and supporting staff, college campus. Setting new vision and goal of life. Learning how to meditate to increase concentration level, and live a zestful, zealous, fulfilling and contributing Life.
FEEDBACK	<p>We have collected feedback from the student and parents orally. In that feedback we found that</p> <ul style="list-style-type: none"> • Student feedback was positive. • Such type of induction programme is useful and important process for bringing staff, students together into an organisation. It provides an introduction to the working environment.
PHOTO GALARY	Enclosed
REMARK OF ORGANISING COMMITTEE	The main objective of the program was achieved primarily due to strong co-ordinating team.

G. B. Malviya
Prof. G. B. Malviya

S. A. Jalit
Prof. S. A. Jalit

Event Co-ordinators

P. R. Wadnerkar
Prof. P. R. Wadnerkar

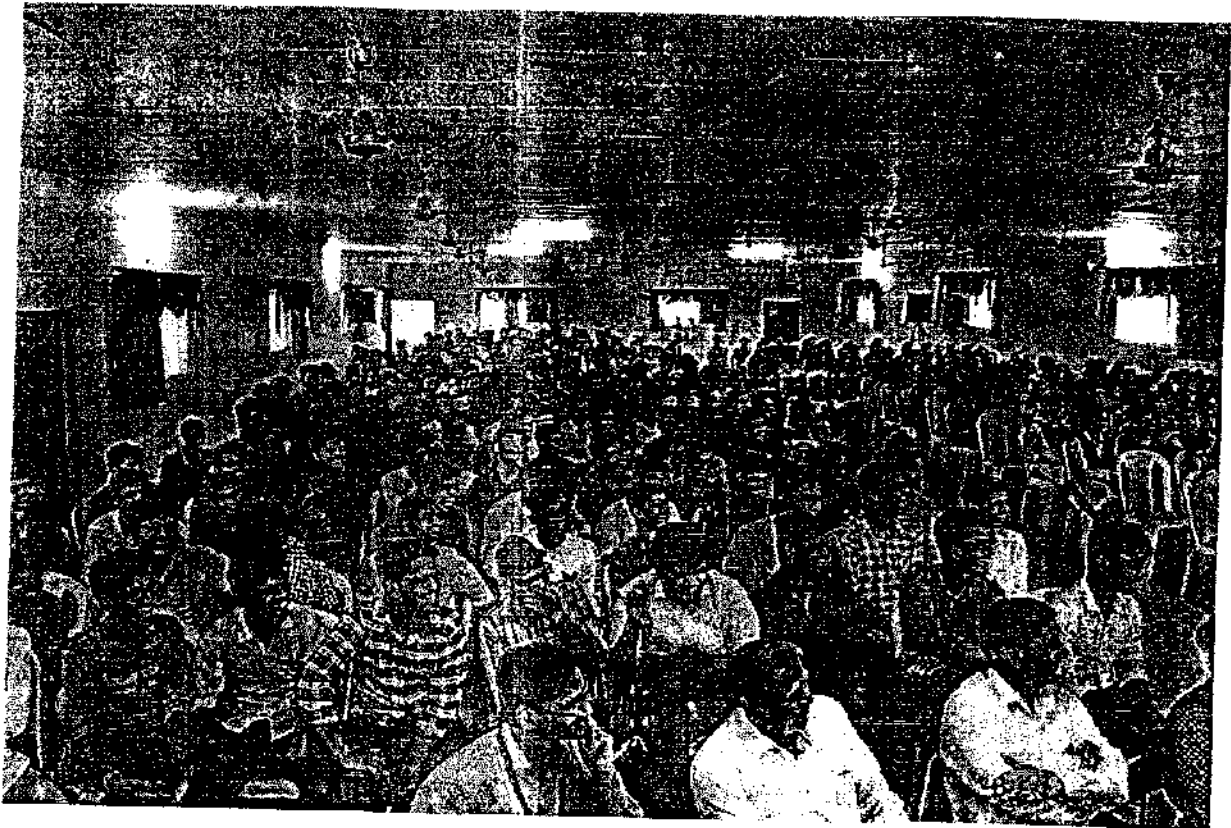
Head of F. Y. Dept

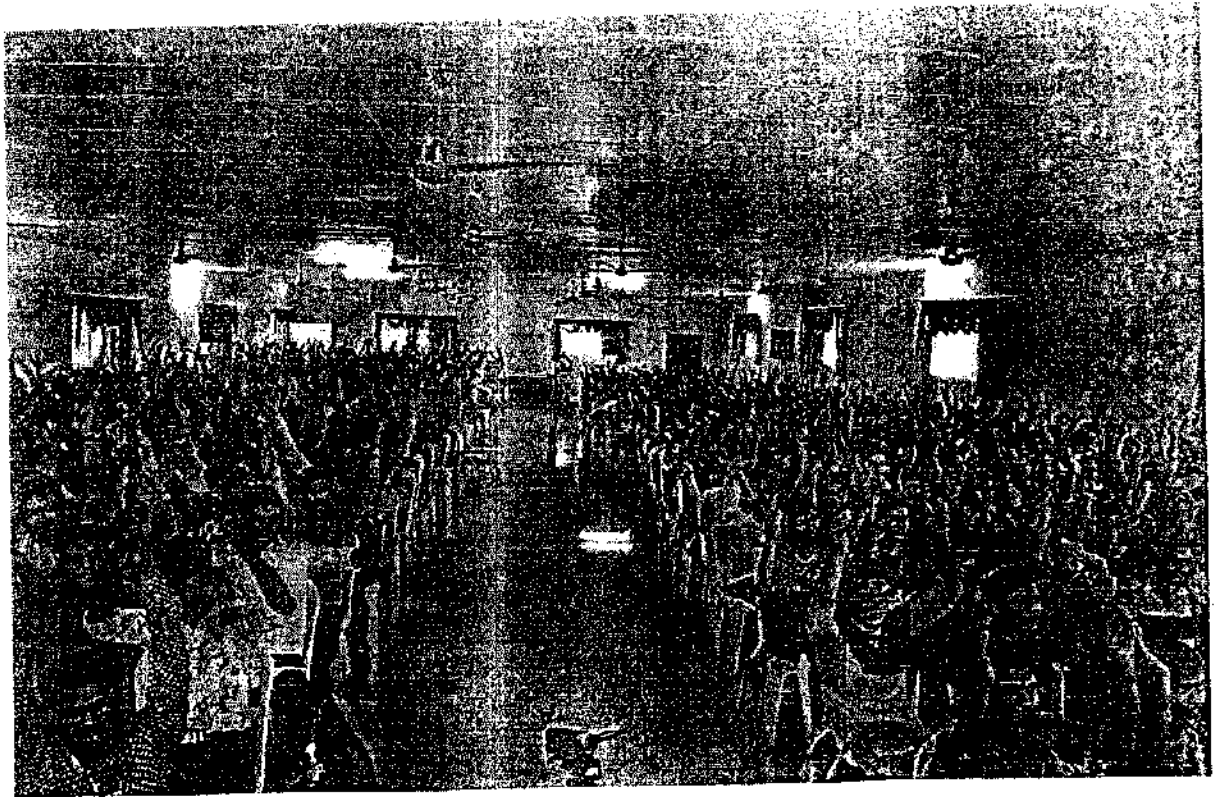
&

Vice Principal(P.R.P.C.M.)









13-20
FY

P.R.Pote (Patil) GP of Edu.Inst. Coll.of Engg & Mgt., Amravati
Session 2019-20

Section A

Sec	Branch	Name	Present/Absent
A101	CS48	Ashwini Ajit Kasture	A. A. Kasture
A102	EE4	Monika Shiramji Kailuke	Monika
A103	CE42	Monika Sureshrao Pawar	
A104	CS39	Neha Dineshpant Chaudhari	N. D. Chaudhari
A105	EE11	Prajakta Goverdhan Charhate	
A106	CS32	Priyanka Satish Durge	Priyanka Durge
A107	EX27	Ridhima Purushottam Chandan	Ridhima Chandan
A108	EX13	Sakshi Rajendra Junghare	S. Junghare
A109	EX9	Sakshi Shrikant Madaghe	
A110	CS109	Sakshi Uddahavrao Mahalle	Sakshi Mahalle
A111	EX18	Shreya Madhav Pote	
A112	CE19	Shreya Vivek Bharsakle	Shreya
A113	CS29	Shruti Vinod Weulkar	S. V. Weulkar
A114	CE20	Suyoga Ananad Nimbhorkar	Nimborkar
A115	CS21	Utkarsha Satish Korde	U. S. Korde
A116	EE32	Vaibhavi Ravindra Wakode	
A117	CS6	Vaishnavi Rajendra Garade	V. P. Garade
A118	EE24	Vishakha Prabhakar Mohod	V. Mohod
A119	EE10	Abhishek Kiran Changole	
A120	EE3	Abhishek Laxman Shukla	A. Shukla
A121	ME10	Ananta Ramdas Wakle	A. Wakle
A122	CS95	Anurag Janardhanrao Tayde	A. Tayde
A123	CS93	Anurag Sanghapal Ingole	A. Ingole
A124	CS103	Arpit Vinay Bole	A. Bole
A125	EX34	Aayush Devidas Kalbande	Aayush
A126	ME13	Chandrakant Pravin Ikhar	P. Pravin
A127	CE5	Chinmay Vijayrao Punse	Chinmay
A128	CS28	Gaurav Arun Rajguru	G. Rajguru
A129	CS7	Harsh Jitendra Damahe	
A130	ME20	Harshad Babarao Deshmukh	H. Deshmukh
A131	CS97	Kalpesh Sanjay Ingle	K. S. Ingle
A132	ME9	Kunal Gajanan Barbde	K. Barbde
A133	EE33	Kunal Vikas Dhage	K. Dhage
A134	EX23	Mrunmay Sanjay Panchal	M. Panchal
A135	CE8	Parikshit Satish Jawanjil	P. Jawanjil

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- 145
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A136	ME17	Pranay Devidas Lambat	<u>Pranay Lambat</u>
A137	EE6	Prasanna Ravindra Dhokane	
A138	CS10	Mohammad Owais Ali Quazi	<u>Mohammad</u>
A139	CE12	Rajat Ashish Guhe	<u>Rajat</u>
A140	CE31	Samarath Sadanand Khapre	
A141	CE30	Saket Vinay Tiwari	<u>Saket</u>
A142	CE27	Swastik Pravin Gore	<u>Swastik</u>
A143	EX24	Shravan Sunil Thakare	<u>Shravan</u>
A144	CE40	Sumedh Gulabrao Bodade	
A145	EX4	Shubham Raju Parise	<u>Shubham</u>
A146	CS69	Tanmay Hemant Chaudhari	
A147	ME5	Tejas Nitin Watane	<u>Tejas</u>
A148	EE20	Tejas Prakashrao Thorat	<u>Tejas</u>
A149	CS4	Vaishnav Uday Malode	<u>Vaishnav</u>
A150	CS61	Vivek Prashat Deotale	<u>Vivek</u>
A151	CS54	Yash Ashok Kadu	<u>Yash</u>
A152	EE34	Vivek Gajanan Khandekar	<u>Vivek</u>

Section B

Sec	Branch	Name	Present/Absent
B101	CE24	Aakansha Sanjay Yadav	A.S. Yadav
B102	CS12	Amruta Harish Mohod	A. Mohod
B103	CS42	Ashwini Suresh Rao Boharupi	
B104	CS100	Gunjan Sagar Singne	Gunjan
B105	EE17	Nishita Mahendra Likhare	
B106	EX26	Pallavi Rajkumar Damodare	Pallavi
B107	EX35	Prachi Gunvantrao Nahe	
B108	CE21	Radhika Sudhakar Ambadkar	Radhika
B109	CS25	Radhika Surendra Sawarkar	
B110	CE22	Rutika Sudhir Ganorkar	Rutika
B111	CS5	Sakshi Sunilrao Thakare	
B112	CE17	Samiksha Dadarao Banasure	Samiksha
B113	CS79	Samruddhi Chandresh Gandhi	
B114	CS57	Samruddhi Narendra Suroshe	Samruddhi
B115	EX15	Sejal Sanjayrao Bijwe	
B116	EX20	Shital Prakash Wasade	Shital
B117	CS43	Shraddha Dinesh Rawarkar	
B118	CS83	Shraddha Mohan Sadhwani	Shraddha
B119	CS24	Tanaya Ramesh Rao Wankhade	
B120	CS102	Tanvi Sunil Deshmukh	Tanvi
B121	CS99	Varsha Rajesh Maske	
B122	CS20	Vedika Chakradharpant Sonar	Vedika
B123	CS50	Yelisha Ashokrao Ingale	
B124	ME7	Aditya Sudhakar Rao Mude	Mude
B125	CS114	Abhinav Harish Vasule	
B126	CS53	Ajay Dattarao Shinde	A. D. Shinde
B127	CE45	Ajinkya Gajanan Dapurkar	A. D. Dapurkar
B128	CS118	Akshay Vijayrao Dharmik	
B129	ME3	Amit Vijay Mehare	A. Mehare
B130	CS96	Bhushan Jagannath Nagale	Bhushan
B131	CS64	Dipesh Vilasrao Khodaskar	
B132	CS106	Gaurav Sandip Lokhande	Gaurav
B133	CE23	Krunal Dadarao Bhojane	
B134	ME8	Kunal Gajananrao Panchabuddhe	K. Panchabuddhe
B135	CS52	Mihir Prashantrao Dhore	
B136	CE2	Nitikesh Keshavrao Bilbile	Nitikesh
B137	CS116	Nivrutti Rajendra Dahake	Nivrutti

B138	EE30	Pankaj Arjun Chavhan	<u>Pankaj</u>
B139	EE22	Pratik Arvind Khadse	
B140	EE21	Purushottam Sanjay Shekoker	
B141	ME25	Rohan Subhash Gawande	<u>Rohand</u>
B142	ME6	Rushikesh Gajanan Ingale	<u>Rushikesh</u>
B143	CS115	Sarthak Sanjay Bhagat	<u>Sarthak</u>
B144	CS31	Sarthak Rajendra Bhojane	
B145	CE10	Sarvesh Vasantao Shegokar	<u>Shree</u>
B146	ME2	Saurabh Ramchandra Kalanke	<u>Saurabh</u>
B147	ME27	Miran Siddiqui Ali Sayyed	
B148	EX14	Shivam Satish Pakade	<u>Satish</u>
B149	EX37	Shreyas Sanjaypant Thelkar	<u>Thelkar</u>
B150	ME15	Siddheshwar Kisan Chopade	
B151	CS70	Tejas Kirtikumar Shah	<u>Tejas</u>
B152	EE5	Ujwal Devanan Patond	<u>Ujwal</u>

Section C

Sec	Branch	Name	Present/Absent
C101	CS91	Anjali Balaji Khade	
C102	EX36	Ankita Ganesh Sable	Ankita Ganesh Sable
C103	CS35	Anuja Shivdas Sagane	Anuja Sagane
C104	CS107	Anushri Sanjayrao Damedhar	
C105	CS71	Anushri Pradip Gangane	Anushri Gangane
C106	EX39	Apurava Rajendra Dandale	Apurava Dandale
C107	CS37	Ashvini Ramesh Rao Gend	
C108	EX29	Dhanashri Vinod Wankhade	Dhanashri
C109	CS60	Himani Purushottam Umaratkar	
C110	EE29	Monika Subhash Rathod	
C111	CS108	Nidhi Nitinrao Ganorkar	Nidhi Ganorkar
C112	CE6	Rhujuta Avinash Belsare	
C113	EX31	Richee Sanjeev Khaparde	Richee
C114	CS46	Reetika Shankar Vaidya	
C115	CS67	Sakshi Ashok Kapile	Sakshi Kapile
C116	CS74	Sakshi Jagdishrao Langade	Sakshi Langade
C117	EX5	Sakshi Sanjayrao Khond	
C118	CS18	Sakshi Subhash Charthal	Sakshi
C119	CS14	Samiksha Kailas Aghadate	
C120	CS63	Shravani Rajesh Deshmukh	Shravani
C121	CE3	Sneha Milind Pande	
C122	CS1	Tanaya Madhukar Chirde	Tanaya
C123	EX38	Tejal Avinash Bokad	
C124	CS27	Tejaswini Yogendra Lakade	Tejaswini
C125	CS84	Abhishek Gopal Raikwar	Abhishek Raikwar
C126	CS87	Amit Umesh Khobragade	
C127	ME16	Aniket Subhas Deulkar	A S Deulkar
C128	CS82	Balaji Naresh Kusale	B.N. Kusale
C129	CE38	Dipesh Kailas Raut	
C130	EE7	Govind Nitin Sawarkar	Govind
C131	CS81	Shaikh Ahmad Jawwad	
C132	CE15	Jay Jagdish Landge	Jay Landge
C133	CS101	Kanhaiya Raju Ade	Kanhaiya
C134	EX21	Ketan Dnyaneshwar Bhople	Ketan
C135	CS45	Masum Mukesh Kajidwar	Masum Kajidwar
C136	CS9	Ateeb Ur Rahman Mohammad	Ateeb
C137	CS76	Nikhilesh Mahadeo Junare	
C138	EX28	Nyuraj Janrao Ramteke	Nyuraj

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C139	ME11	Parikshit Rajendra Deshmukh	Parikshit
C140	CS26	Prajwal Ravindra Hole	Prajwal
C141	EE12	Prajwal Satish Wasule	
C142	CS23	Prasanna Ashok Wankhede	
C143	CS88	Prathamesh Shyam Gorle	Prathamesh
C144	CE37	Premkumar Bhaurao Bangar	Premkumar
C145	CE11	Rohit Rajendra Raut	
C146	CE26	Rushikesh Prabhakar Zadpe	Rushikesh
C147	CS36	Sahil Pundlikrao Tadas	Sahil Tadas
C148	CE32	Sanket Umesh Patil	
C149	EX2	Sanket Vijayrao Nipane	Sanket
C150	EX8	Shantanu Pradip Taywade	Shantanu Taywade
C151	CS111	Sushant Vijay Nimaje	Sushant
C152	CS72	Swarup Gowardhan Dhote	Swarup Dhote
C153	EX1	Tejas Chakradharrao Chaukhande	Tejas
C154	CS90	Tissa Ratnakar Tirpude	Tissa

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Section D

Sec	Branch	Name	Present/Absent
D101	CS30	Aditi Prafull Thakare	Aditi
D102	CE34	Nikita Rajdhar Raut	
D103	CS15	Ashwini Revalnath Avadhut	Ashwini
D104	CS77	Gauri Rajesh Tayade	Tayade
D105	CS78	Gauri Sunil Khumkar	
D106	CS120	Harshada Ravindra Kale (M)	H.R. Kale
D107	CS59	Madhura Narendra Mohod	Madhura N.M.
D108	EX17	Namrata Vilas Lanjewar	
D109	CE4	Neha Bhagwat Ghayal	Neha Ghayal
D110	CS56	Nisarga Sudhir Mhaisane	
D111	CS92	Prajakta Prakashrao Nagale	Prajakta
D112	CS113	Pranjali Sunilrao Wasule	
D113	CE39	Qureena Sadanand Rakshaskar	Qureena
D114	CS58	Renuka Gajanan Chaudhari	Renuka
D115	EE25	Rutuja Chandrakant Thorat	Rutuja
D116	CS49	Sakshi Khushal Katore	Katore
D117	EX22	Samruddhi Diwakar Kharbade	
D118	EX3	Sharayu Vinay Suryakar	S.Suryakar
D119	CE43	Shravani Suresh Rathod	Shravani
D120	CE36	Shruti Wamanrao Chandane	
D121	CS80	Vallari Yogesh Solanke	Vallari Solanke
D122	ME24	Abhijeet Vinayak Nitawane	Abhijeet
D123	CE7	Abhishek Tumendra Tale	
D124	CS110	Aditya Sanjay Kale	Aditya
D125	CS33	Akshay Gajanan Rakhonde	
D126	ME19	Aniket Ravindra Kuralkar	Aniket
D127	ME12	Atharva Manohar Kharapkar	
D128	CE16	Gopal Pandurang Khedekar	Khedekar
D129	CS119	Kapil Rajendra Bhagat	Kapil Bhagat
D130	EE16	Kaushal Mahendra Rathi	
D131	ME21	Mahesh Prakash Khedkar	
D132	CS55	Nilay Anil Rode	Nilay
D133	EE26	Piyush Tejrao Dhawane	
D134	EE9	Prasad Vinod Charhate	Prashate
D135	CS75	Prasad Kishor Shelar	Prasad
D136	CE13	Prathamesh Subhash Kakad	

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D137	CS19	Pratik Vilas Dole	Ronabikdaske
D138	EE14	Rohit Prakashrao Wankhade	
D139	EX12	Rutik Nandkishor Kurhade	Rutik
D140	EX33	Rutik Ravindra Dakre	R. R. Dakre
D141	CS65	Sahil Rajash Lende	Sahil
D142	ME22	Sani Shalikram Gayakwad	
D143	EE27	Sanjog Vinod Sadanshiv	Sanjog
D144	CE29	Sarvesh Rajendra Holey	
D145	CS62	Shahu Sahilesh Khurad	Shahu
D146	CS105	Tanmay Gajanan Gatphane	T. G. G.
D147	EE1	Tejas Avinash Kitukale	Tejas Kitukale
D148	CE41	Tejas Wamanrao Mandve	T. W. Mandve
D149	CS11	Vinay Ajay Mahore	Vinay
D150	CE28	Viratsingh Lalitkumar Gour	Virat
D151	CS51	Yash Gajanan Waghmare	
D152	EX30	Yash Santosh Tayade	Yash

Section E

Sec	Branch	Name	Present/Absent
E101	CS94	Amruta Onkarrao Gotarkar	<u>A.O. Gotarkar</u>
E102	EE28	Anjali Mahadeo Tumare	<u>Anjali</u>
E103	EX16	Ankita Eknath Honale	
E104	CS2	Arpita Sunil Mankar	<u>AP</u>
E105	CS86	Dhanshri Vishnu Patil	
E106	CS34	Manaswinee Manoj Jasapure	<u>M.O. Jasapure</u>
E107	EE23	Mayuri Sunil Athawale	
E108	CS38	Rashmi Pramod Mahalle	<u>Rashmi</u>
E109	CS41	Rutuja Gendlal Yenukar	
E110	CS44	Rutuja Ravindra Girhe	<u>R.Girhe</u>
E111	EX6	Sakshi Ashokrao Sherekar	<u>Sakshi</u>
E112	CS22	Sakshi Mahendra Nichat	
E113	EE8	Sakshi Pramod Choudhari	<u>S.P. Choudhari</u>
E114	CS3	Sanchana Ganeshrao Bhonde	
E115	CE25	Sanjana Liladharrao Bhele	<u>Sanjana</u>
E116	EX19	Sanskruiti Pradiprao Tarhekar	
E117	CS13	Shivani Nareshrao Gohatre	<u>S. Gohatre</u>
E118	EX11	Vaibhavi Gajananrao Deshmukh	<u>V. G. Deshmukh</u>
E119	CE9	Vaishnave Subhasrao Sapkal	<u>Vaishnave Sapkal</u>
E120	CS16	Abhay Vinay Punse	
E121	CS68	Abhishek Shitaram Dhok	<u>Abhishek</u>
E122	CS8	Abhishek Subhash Gugale	
E123	ME1	Akash Mahadeo Dhage	<u>Akash Dhage</u>
E124	EX7	Akash Shivaji Lohe	<u>Alohe</u>
E125	CE44	Akshay Bhaurao Gadhave	<u>Akshay</u>
E126	CS66	Ananta Vasanta Khodake	<u>Ananta Khodake</u>
E127	CS89	Ashish Shrikrushna Patode	
E128	EE2	Chetan Gopal Patil	<u>Chetan Patil</u>
E129	ME26	Gaurav Chandrashekhar Khadke	
E130	CS47	Geet Rajesh Deshmukh	<u>Geet D.</u>
E131	EE18	Harish Sunil Nachane	
E132	EE19	Harshal Sunil Nachane	<u>Harshal</u>
E133	CE14	Jay Mahendra Deshmukh	
E134	EX25	Karan Dilipsigh Chavhan	<u>K.D. Chavhan</u>
E135	CS112	Kshitij Naresh Raut	
E136	ME14	Nakul Rajesh Gadhave	<u>Nakul</u>
E137	CE35	Piyush Ashokrao Malkhede	
E138	CS73	Prathamesh Avinash Gawande	<u>Prathamesh</u>
E139	EX10	Pratik Sahebrao Aswar	<u>Pratik</u>

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E140	CS17	Rushikesh Ramesh Kapadi	
E141	ME4	Samrat Dinesh Deshmukh	Samrat D.
E142	CE33	Sar Mohandas Suryawanshi	Sar Sar
E143	CE46	Shahu Shivaji Deshmukh	Shahu Dkh
E144	CS40	Shreyash Jagannath Tarale	Shrey
E145	EE31	Shreyash Vijay Mungane	
E146	ME18	Smit Dipakrao Kitukale	Smit
E147	EE13	Sumiran Pramod Shahane	sp. shahane
E149	ME23	Tejas Anilrao Bagade	Tejas A. Bagade
E150	CS104	Tejal Bhaskar Gawande	
E151	EE15	Tejas Ramesh Rao Dadhe	Tejas Ramesh Rao
E152	CE18	Vedant Sudhir Rase	Vedant
E153	CS117	Rahaman Md Ataur Rehman Subhana	Rahaman

Induction Program
Co-ordinators

malviya G.B.
1) (Prof. G.B. Malviya)

2) Dr. S. A. Patil Spatil


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

Content

1.3.2


Sr. No.	Particulars	Page No.
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2	Field project on Estimation design and costing of commercial Building (Electrical)	3-9
3	Vocational And Summer Training at BSNL, Amravati (EXTC)	10-11
4	Internship Program on Internet of Things (IOT) at WebAkruti, Wardha (EXTC)	12-23
5	Chandrapur, Korardi, Bhusawal, Paras, Thermal Power Station (Internship)	
6	Ratan India Power Ltd. (Internship)	
7	Industrial training at Finlay Mills, Achalpur (Internship)	24-26
8	Internship Certificate (MBA)	27-51

NAAC Criteria-1

AQAR 2019 - 20

List of Supporting Documents

Item No.	Content
1.3.2	Field Projects/ Internship under taken during the year Internship under taken during the year



P. R. Pote (Patil) Educational & Welfare Trusts, Group of Institute
College of Engineering and Management, Amravati
Department of Electrical Engineering
Academic Session (2019-20)

Final year student of Electrical Engineering Department Mr. Ashwin Y. Gahane, Mr. Gaurav S. Zopate, Mr. Tushar K. Kuyat, Miss. Madhavik. Ingele and Miss. Neha L. Neware had completed a field project work with title "DESIGN ESTIMATING AND COSTING FOR HOSPITAL".

Introduction:

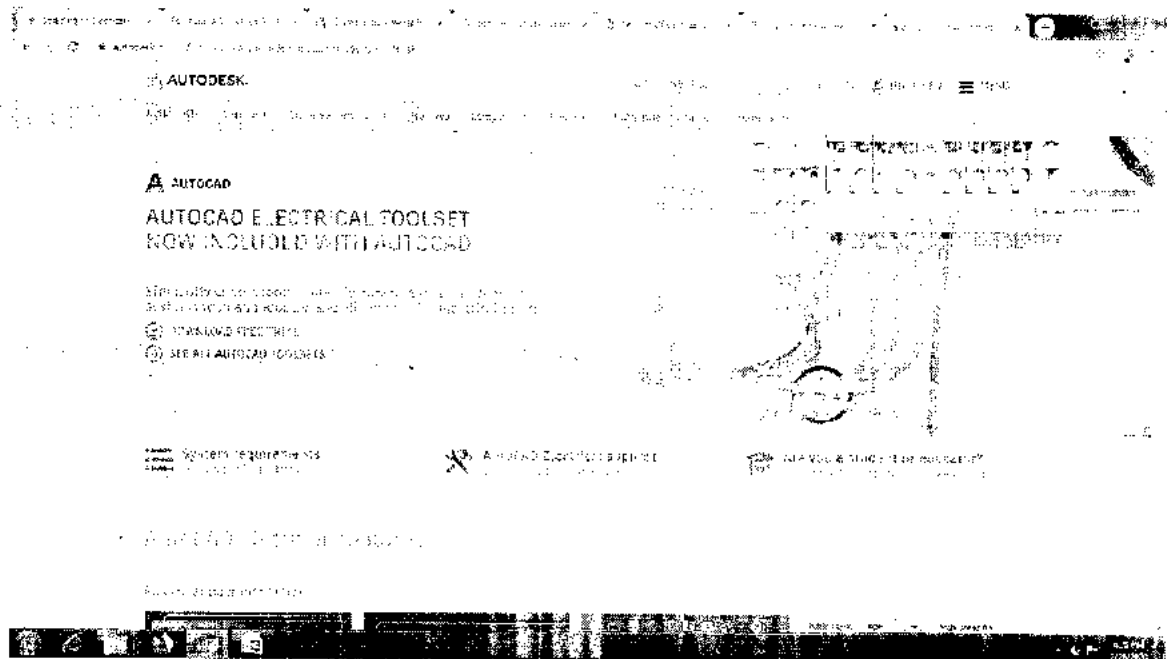
- Estimating and costing electrical projects is a crucial step in every construction project. Without electrical estimating, it is difficult for owners to accurately calculate total project cost.
- It is also hard for contractors and trade contractor to know how long a project will take or what materials are needed. It's important to look at all processes in a business.
- It also provide blue print of electric connection to the owner of the particular property it help During Maintenance.

Need of Estimating and Costing

- To fix up the budget and complete details of the required materials for carrying out the complete work or project prior to execution.
- Fix up the cost of various materials, tools, plants, equipment's to carry out work including other costs like the cost of labor, supervision inspection, transportation stock incidental contingencies. etc
- To exercise control over the quality of materials required depending upon the work to be executed.

- To find the most economical procedure for the execution of work or project.

Software Used



Methodology

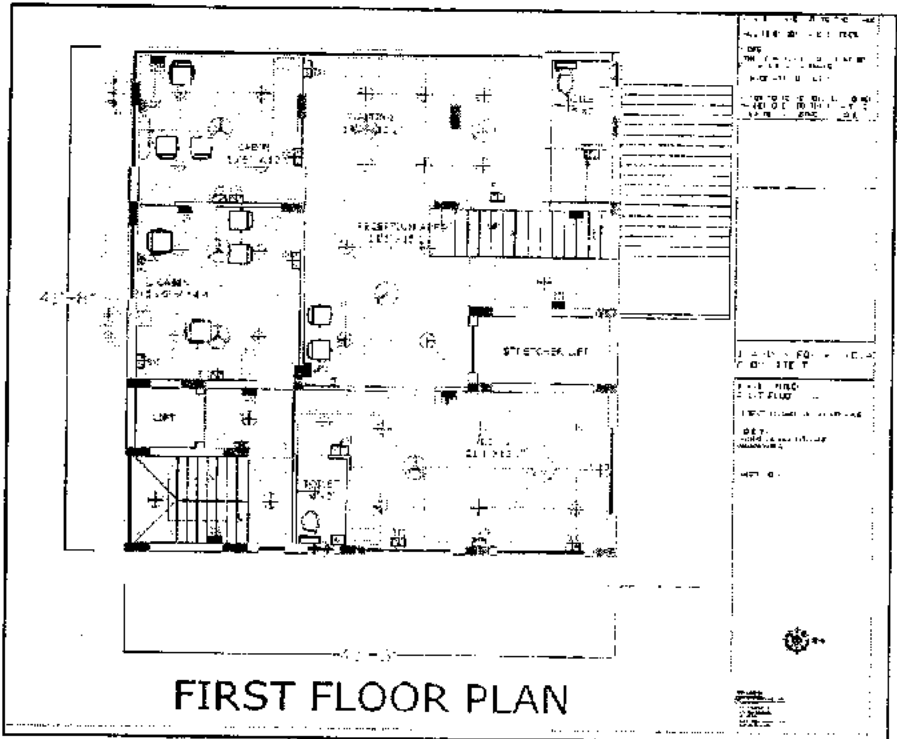
- Gain knowledge about Software tools, electrical Symbols, IE rules.
- Selection of light and fan as per users area.
- Circuit point marking.
- Load calculation according to users requirement by considering future expansion.
- Controlling
- Load statement
- Descriptive schedule
- Wiring diagram
- Voltage drop
- Final Estimation and Costing

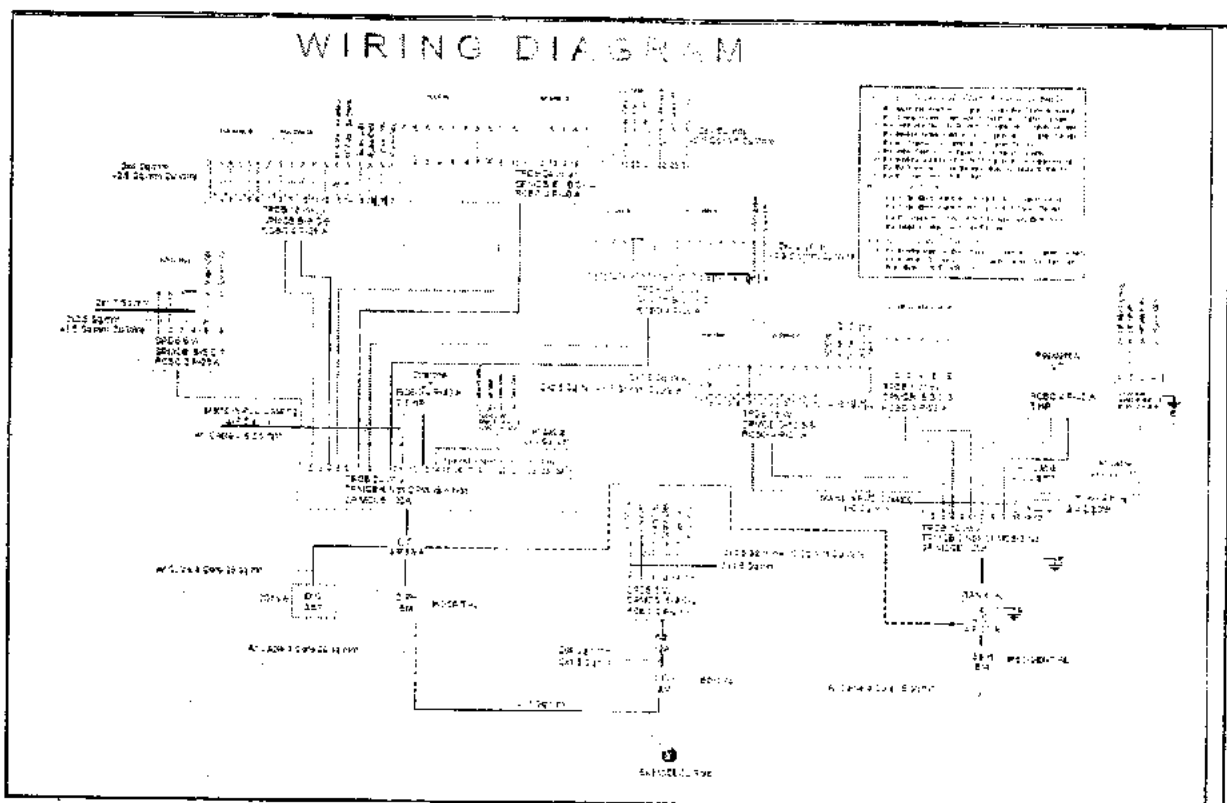
Descriptive Schedule with Wiring Details

DESCRIPTIVE - SCHEDULE												
Name of work		Providing Internal Electrical Installation to Doctor Kihukele Sir Amravati (Ground Floor)										
Sr. No.	Name of Rooms	Wiring 240V 50Hz	Wiring 110V 50Hz	Wiring 240V 50Hz	Wiring 110V 50Hz	Wiring 240V 50Hz	Wiring 110V 50Hz	Wiring 240V 50Hz	Wiring 110V 50Hz	Wiring 240V 50Hz	Wiring 110V 50Hz	Wiring 240V 50Hz
1	Paving	30	50	0	0	0	0	0	0	0	0	0
2	Wiring	11	5	10	10	0	0	0	0	0	0	0
3	Room	5	15	10	10	0	0	0	0	0	0	0
4	Star case	10	10	0	0	0	0	0	0	0	0	0
5	Total of Ground	70	70	20	20	0	0	90	3	4	3	3

DESCRIPTIVE - SCHEDULE												
Name of work		Providing Internal Electrical Installation to Doctor Kihukele Sir Amravati (First Floor)										
Sr. No.	Name of Rooms	Wiring 240V 50Hz	Wiring 110V 50Hz	Wiring 240V 50Hz	Wiring 110V 50Hz	Wiring 240V 50Hz	Wiring 110V 50Hz	Wiring 240V 50Hz	Wiring 110V 50Hz	Wiring 240V 50Hz	Wiring 110V 50Hz	Wiring 240V 50Hz
1	Reception	30	50	40	50	0	0	0	0	0	0	0
2	Waiting	25	25	30	30	0	0	0	0	0	0	0
3	Cable 1	30	10	40	40	0	0	0	0	0	0	0
4	Cable 2	30	20	30	30	0	0	0	0	0	0	0
5	SW Case	10	10	0	0	0	0	0	0	0	0	0
6	WDU	24	24	30	30	0	0	0	0	0	0	0
7	Total of First Floor	145	145	170	170	0	0	0	0	10	19	10

Circuit Marking

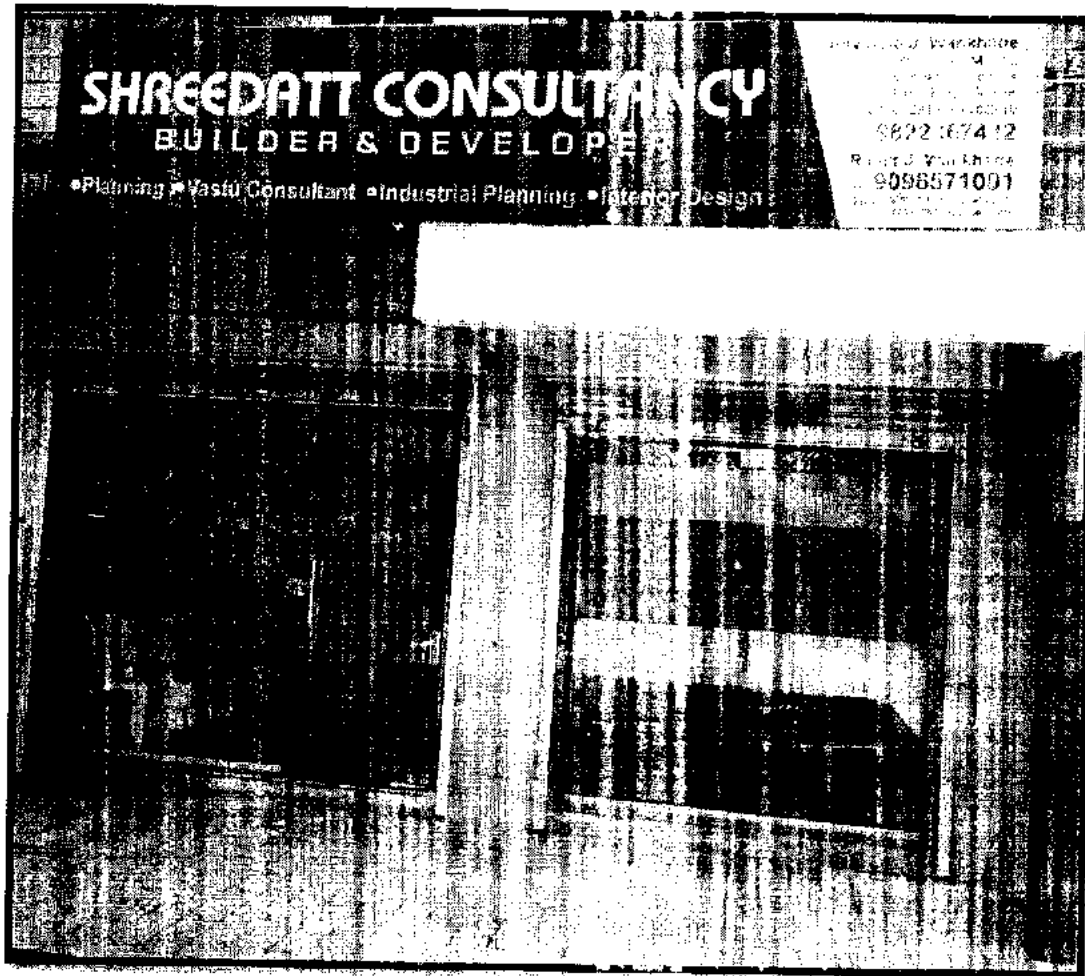




Output of the field work:

- The estimation and costing provide most realistic prediction of cost that saves money and time of the contractor.
- Blueprint of the wiring helps in Electrical maintenance in future.

Client (Implementation site)



Appreciation letter

SHREEDATT CONSULTANCY

RAVINDRA J. WANKHADE
B.E. (CIVIL, MIED)
CHARTERED ENGINEER
GOVT. REGISTERED VALUER
REG. NO. CAT-1/19/2009-18

PLANNING
VALUER
VASTU CONSULTANT
INDUSTRIAL PLANNING
INTERIOR DESIGN

OFFICE & RESIDENCE: VITTHAL RESIDENCY HOLLYWOOD COLONY KATHORA ROAD AMRAVATI
MO. NO. - 982307432 BRANCH: MUKTAI SANGU, KADUJARI MIDAN AKOL
E-MAIL: - ravjwankhede-27@yahoo.in, shreedatt3@gmail.com

DATE: 18/09/2020

TO WHOM SO EVER IT MAY CONCERN

This is to verify that the student Mr. Gaurav S. Zopate and their team of Electrical Engineering Department of P.K. Pote (Patil) Engineering College and Management, Amravati has satisfactorily completed his project "ELECTRICAL AUTOCAD DRAWING OF KITUKALE HOSPITAL" during the period November 2019 to January 2020.



Payment Certification



CHARTERED ENGINEER GOVT. REGISTERED VALUER REG. NO. CAT-1/1042000-10	INTERIOR DESIGN
OFFICE & RESIDENCE:- VITTHAL RESIDENCY, HOLLYWOOD COLONY KATHORA ROAD AMRAVATI MO. NO. -9822257432 BRANCH: MUKTANANAL NABU J. BHIMADIAN AROJI E-MAIL: pvs@shahakar77@gmail.com, shreedatt@gmail.com	
DATE: 18-02-2020	

FINAL PAYMENT CERTIFICATION

ORGANIZATION NAME: SHREEDATT CONSULTANCY
PROJECT NAME: DR. SHRI JAYRAJ KUTUNALE HOSPITAL
SUBRECIPIENT AGREEMENT: 5000 Rs.
FINAL REQUEST AMOUNT: 3000 Rs.

The undersigned certifies the following with regard to the above Sub recipient Agreement.

1. The above named organization has completed the scope of work set forth in the sub recipient Agreement.
2. The organization has made payment for all contracts, bills, invoices, purchase orders or other substantiating document on which were attached to all previous request for payment as evidenced by the originals or copies of the cancelled payment checks and other forms of payment certification on file with the organization.


Prof. A.A. Ghute

Project Guide


Prof. D.A. Shahakar

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

Webakruti

We create change

📍 **Head Office:** Plot No. 11, Madhav Nagar, 25th Mile,
Domino's Pizza, Near: Male Source, Bengaluru - 560076

📍 **Branch Office:** 1st Floor, Above Panna Multi Speciality
Dental Clinic, Heemangli chowk, Wazirpur - 560020

☎ +91-8237733112 / +91-7387970061


Ref No: HR/REG/SIRIA/A062

Date: 27/06/2019

TO WHOM IT MAY CONCERN

I on behalf of Webakruti appreciate your efforts and Sincerity in successfully handling the
best project rank to **Mr. Sunny Tawar**. I am aware about the hard work and dedication
you have put during your IoT Summer Internship training Program (From 6th June, 2019 to
26th June, 2019)

With best wishes



Authorized Signature

Webkruti

Address: [Illegible]
Phone: [Illegible]
Email: [Illegible]

Mr. MANDAR BHALERAO

Date: 26/06/2019

TO WHOM IT MAY CONCERN

This is to certify that **Mr. MANDAR BHALERAO** a student of EXTC (Electronics and Telecommunication) from P.R. Patil college of Engineering and Management, Amravati, Amravati University, has successfully completed 20 days (From 6th Jun, 2019 to 26th Jun, 2019) internship program (IOT) at Webkruti, Nagpur. During the period of his internship program with us he was found punctual, hardworking and inquisitive.



Authorized Signature



Pradeep Kotak <pradeepkotak5@gmail.com>

Fwd: Industrial Visit Letter

1 message

Deepak Shahakar <deepakshahakar@gmail.com>
To: Pradeep Kotak <pradeepkotak5@gmail.com>

Thu, Aug 29, 2019 at 10:55 AM

----- Forwarded message -----

From: **Dr. Sanjay Warkad** <sbwarkad@gmail.com>
Date: Wed, Aug 28, 2019 at 5:02 PM
Subject: Fwd: Industrial Visit Letter
To: Deepak Shahakar <deepakshahakar@gmail.com>

----- Forwarded message -----

From: **CE (LD) Ambazari** <dambazari@gmail.com>
Date: Wed, Aug 28, 2019 at 3:40 PM
Subject: Re: Industrial Visit Letter
To: Dr. Sanjay Warkad <sbwarkad@gmail.com>

Dear Sir/ Madam,

I wish to inform you that Chief Engineer (ALDC Ambazari) has accorded permission to visit Load Despatch centre by the students of your college on dt. 27.09.2019 at 14:00 Hrs as requested by you.

The administrative charges of Rs. 118/- (including GST) per participant will have to be paid to this office in cash on or before the date of visit.

Please provide the details of PAN card and GST Number of your college along with the registered address and telephone number for preparing the receipt by return mail.

Regards ,

N.M.Dalal
Addl. Executive Engineer
8554993149

आभार,

मुख्य अभियंता

भार प्रेषण केंद्र, अंबाझरी, नागपूर

महाराष्ट्र राज्य विद्युत पारेषण कंपनी मर्या.

संपर्क:- दूरध्वनी- 07104- 221242 / 220611

मोबाइल- 8554993598 / 8554990959

फॅक्स - 07104- 220275.

PAN card No. of college
AABTP5436N

9/25/2019

Gmail - Fwd: Industrial Visit Letter

On Sat, Aug 24, 2019 at 12:31 PM Dr. Sanjay Warkad <sbwarkad@gmail.com> wrote:

Dear Sir

Please find attached herewith Industrial Visit letter.

Thanks & Regards


Yours Sincerely

Dr. Sanjay B. Warkad
Dean (Research & Development)
P. R. Pote (Patil) College of Engineering & Management, Amravati
Mobile- 8830401353

Regards:

Deepak Shahakar
HOD

Electrical Engineering Department
PRPCEM, Amravati


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

MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.

No. 0432

SR-1071

ORIGINAL

RECEIPT FORM NO. FA 01

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
0086388												27/09/2019													

Received sum of visiting fees at A/D C

RECEIVED FROM Shri/Smt/Ms. P. R. Pote, Engineering / Management

the sum of Rs. three thousand one hundred eighty seven only

Dated 27/09/2019

EMPLOYEE NO. 27 Students

SUPPLIER NO. 390042

CONSUMER NUMBER 31867

ASSET CODE NO. 27 A A G M 2 930 12

REFERENCE NO. 31867

cash/bank contra

Rs. 31867/-

cheque subject to realisation

Pote

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

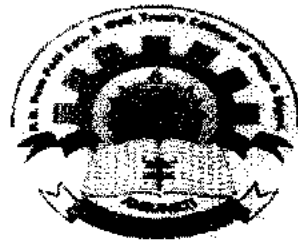
P.R.Pote College of Engineering & Management Amravati
Department of Electrical Engineering
List of Students for Nagpur Visit on dt 27 Sept 2019

Sr.No	Name of Student	Year	Shift	Company Name
1	Ku.Sonali Kalaskar	Final	I	Area Load Dispatch Center(ALDC),Nagpur
2	Aman Deole	Final	I	
3	Sanghadip Wasnik	Final	I	
4	Shubham Wankhade	Final	I	
5	Ku.Vrusha Ahirrao	Final	II	
6	Ku.Tejaswini Hambarde	Final	II	
7	Ku.Shrutika Dharamthok	Final	II	
8	Ku.Bhagyashree Landge	Final	II	
9	Ku.Shabdali Mule	Final	II	
10	Ku.Neha Bendarkar	Final	II	
11	Ku.Sonam Chikalkar	Final	II	
12	Ku.Rasika Jagtap	Final	II	
13	Ku.Alveena Shah	Final	II	
14	Ku.Amruta Naykhor	Final	II	
15	Ankit Mahure	Final	III	
16	Kunal Arghade	Final	III	
17	Akash Thombare	Final	III	
18	Dattatrey Kute	Final	III	
19	Sachin Kaware	Final	III	
20	Dhiraj Morey	Final	III	
21	Rupesh Pote	Final	III	
22	Pratik Dahikar	Final	III	
23	Saurabh Meshram	Final	III	
24	Vishal Bayaskar	Final	III	
25	Pranav Pande	ME	I	
26	Satyam Shrirao	ME	I	
27	Ku.Tejaswini Gudhade	ME	I	
28	Ku.Kamakshi Rajguru	ME	I	

4E148108
Prof.P.J.Kotak
Industrial Visit In-Charge

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

Visit at Area Load Dispatch Center, Ambazari



The department of Electrical Engineering, P.R. Pote college of Engineering and Management, Amravati had organized a one-day Industrial visit to “Area Load Dispatch Centre (ALDC), Ambazari, Wadi, Nagpur” on 27th September, 2019. There were 27 students from B.E-7th semester along with two teaching faculties Prof. J.B. Mokalakar and Prof. P.M. Mankar.

We had coordinated with Mr. Niranjana Dalal, Additional Executive Engineer. At 1 p.m., we reached at ALDC, Ambazari. After reaching there, Mr. Niranjana Dalal received us with a warm welcome. He had explained the role of ALDC in operation and control of power system network in depth. Then we were taken to the control room. In the control room, we observed the real time data of MSLDC on the screen.

Mr. Rupesh Palspate had explained us how they are monitoring power system network in control room in detail and also shown us the networks of 765 kV & 400 kV of Maharashtra. He had conveyed very useful information regarding MSLDC website and explained different aspects like how to Maintain system frequency in 49.7 Hz to 50.2 Hz range, Outage planning and monitoring, Load Shedding implementation.

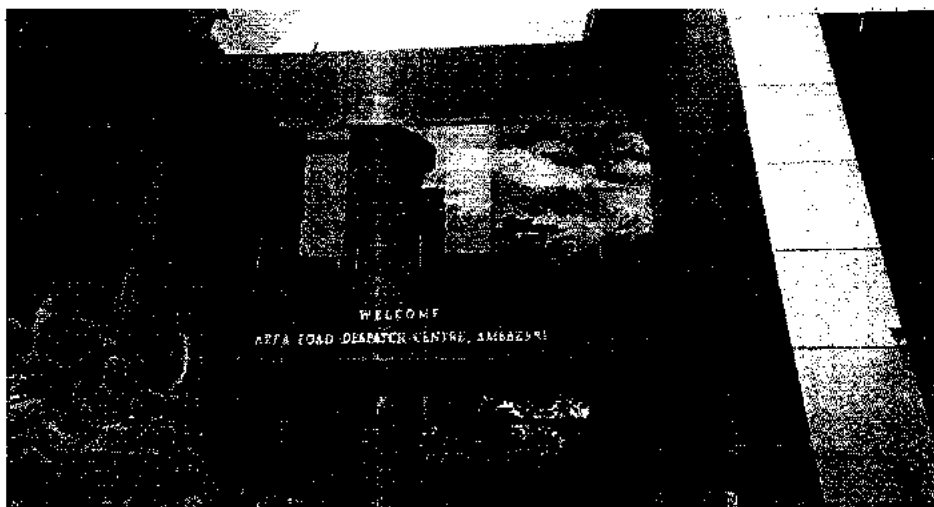


Fig. Area Load Dispatch Center, Ambazari.

Functions of Area Load Dispatch Center:

(1) The Area Load Dispatch Centre shall be the apex body to ensure integrated operation of the power system in an Area.

(2) The Area Load Dispatch Centre shall—

(i) Be responsible for optimum scheduling and dispatch of electricity within an area.

(ii) Monitor grid operations.

(iii) Keep accounts of the quantity of electricity transmitted through the area grid.

(iv) Be responsible for carrying out real time operations for grid control and dispatch of electricity within the Area.

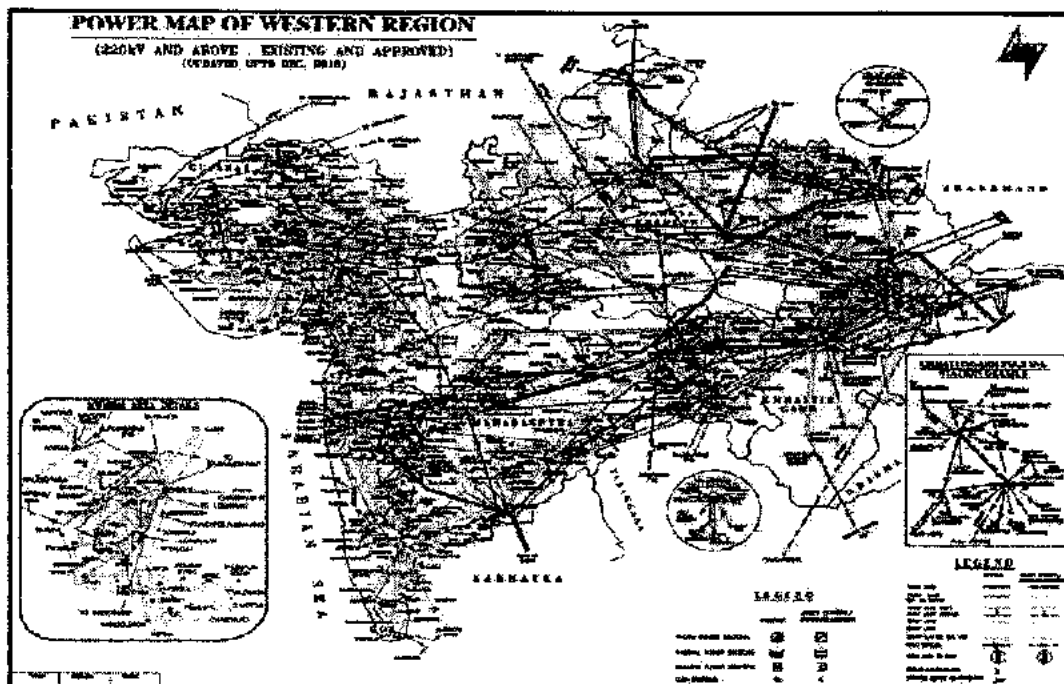


Fig. Power network of Maharashtra

• **Scheduled generation:** At any time or for a time block or any period means schedule of generation in MW or MWh ex-bus given by the concerned Load Dispatch Centre.

• **Scheduled drawl:** At any time or for a time block or any period time block means schedule of dispatch in MW or MWh ex-bus given by the concerned Load Dispatch Centre.

• **Time-block:** A time block of 15 minutes, for which specified electrical parameters and quantities are recorded by special energy meter, with first time block starting at 00.00 hrs.

• **About UI rate:** The charges for the Unscheduled Interchanges for all the time blocks shall be payable for over drawl by the buyer or the beneficiary and under-injection by the generating station or the seller and receivable for under-drawl by the buyer or the beneficiary and over-injection by the generating station or the seller and shall be worked out on the average frequency of a time-block at the rates specified in the Schedule.

• Ultimately, UI rate is a part of ABT (availability based tariff). It means that if there is a change in drawl and scheduled quantity of an entity, it needs to pay in form of money.

• **Advantages of UI mechanism:**

- UI is a real time pricing mechanism
- UI can be used for Merit Order Dispatch
- UI increases efficiency of the grid.
- Capacity best matched with load by UI mechanism
- Implications of deviating from scheduled supply/drawl known.
- Improvement in grid parameters such as Frequency and Voltage.
- A mechanism for harnessing Captive & Co-generation.
- More consumer load can be catered at any time.
- UI prevents costly damage to electrical & mechanical equipment.

• **Improvements brought about by UI mechanism:**

- Grid frequency has drastically reduced from 48 to 52 Hz earlier to 49.5 to 50.5 Hz for most hours in a day.
- The hydro electric utilities are handled in an efficient manner than it was done before.
- States share have acquired a new meaning in the central generating stations and grid discipline is promoted.
- Power deficit states can meet their occasional excess demand by over drawing from the grid and paying the UI charges to the state which has under drawn.

We are very grateful to ALDC, MSLDC for giving us permission for this visit. Students got an opportunity to know regarding practical aspects about what they are learning in theory. We hope that such kind of permission will be given in future also. It was an informative, interesting and a successful visit. Some glimpse of visit is shown in form of picture



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



**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)

NAAC Accredited at the 'A' Level

University Code : 617
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. : PRPCem/ELPO/Dept./0176

Date : 27/09/19

To,
N.M.Dalal
Additional Executive Engineer
ALDC, Ambazari
Nagpur

Respected sir,

We would like to express our deep sense of gratitude towards you, for conducting industrial tour/visit for Final year Electrical Engineering students. The visit and valuable guidance was extremely appreciated by students and staff member of Electrical Engineering Department of this institution. We would like to express our sincere thanks to taking yours time from your busy schedule and make our visit successful. We hope that this turns out to be the beginning of such a visit coming up in the future.

We hope that in future also we get same guidance from you

Thanking You!!!

Yours Faithfully

Prof. D. A. Shahakar
HOD

Department of Electrical Engg.
PRPCem College Engineering & Management
Amravati.

Received
Ashu

P.R.Pote College of Engineering & Management Amravati

Department of Electrical Engineering

List of Students for Nagpur Visit on dt 27 Sept 2019

Sr.No	Name of Student	Year	Shift	Signature
1	Ku.Sonali Kalaskar	Final	I	Sonali
2	Aman Deole	Final	I	A Deole
3	Sanghadip Wasnik	Final	I	Sanghadip Wasnik
4	Shubham Wankhade	Final	I	Shubham Wankhade
5	Ku.Vrusha Ahirrao	Final	II	Vrusha
6	Ku.Tejaswini Hambarde	Final	II	Tejaswini
7	Ku.Shrutika Dharamthok	Final	II	Shrutika
8	Ku.Bhagyashree Landge	Final	II	Bhagyashree Landge
9	Ku.Shabdali Mule	Final	II	Shabdali Mule
10	Ku.Neha Bendarkar	Final	II	Neha
11	Ku.Sonam Chikalkar	Final	II	Sonam
12	Ku.Rasika Jagtap	Final	II	Rasika
13	Ku.Alveena Shah	Final	II	Alveena
14	Ku.Amruta Naykhor	Final	II	Amruta
15	Ankit Mahure	Final	III	Ankit
16	Kunal Arghade	Final	III	Kunal
17	Akash Thombare	Final	III	Akash
18	Dattatrey Kute	Final	III	Dattatrey Kute
19	Sachin Kaware	Final	III	Sachin
20	Dhiraj Morey	Final	III	Dhiraj
21	Rupesh Pote	Final	III	Rupesh Pote
22	Pratik Dahikar	Final	III	Pratik Dahikar
23	Saurabh Meshram	Final	III	Saurabh
24	Vishal Bayaskar	Final	III	Vishal
25	Pranav Pande	ME	I	Pranav Pande
26	Satyam Shirrao	ME	I	Satyam
27	Ku.Tejaswini Gudhade	ME	I	Tejaswini
28	Ku.Kamakshi Rajguru	ME	I	Kamakshi
29	Rushikesh Gujarkar	Final	I	Rushikesh Gujarkar
30	Omkash Karale	Final	I	Omkash
31	Sugat Raibole	Final	I	Sugat
32	Abhay Gedam	Final	I	Abhay
33	Akshay Pachpohe	Final	I	Akshay Pachpohe
34	Anand Jadhav	Final	I	Anand
35	Nikhil Dharme	Final	I	Nikhil
36	Rahul Manekar	Final	I	Rahul
37	Nishikant Kale	Final	I	Nishikant Kale
38	Akshay Wankhade	Final	II	Akshay Wankhade
39	Pratik Ingle	Final	II	Pratik Ingle
40	Yash Dharmale	Final	II	Yash
41	Rushikesh Sabal	Final	II	Rushikesh Sabal
42	Tejas Khairkar	Final	II	Tejas
43	Ku.Saloni Chavan	Final	III	Saloni
44	Ku.Kalyani Kuche	Final	III	Kalyani
45	Chetan Awankar	Final	III	Chetan
46	Pratik Sontakke	Final	III	Pratik Sontakke

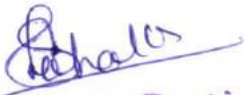
Industrial Visit at RattanIndia Power Ltd., Amravati

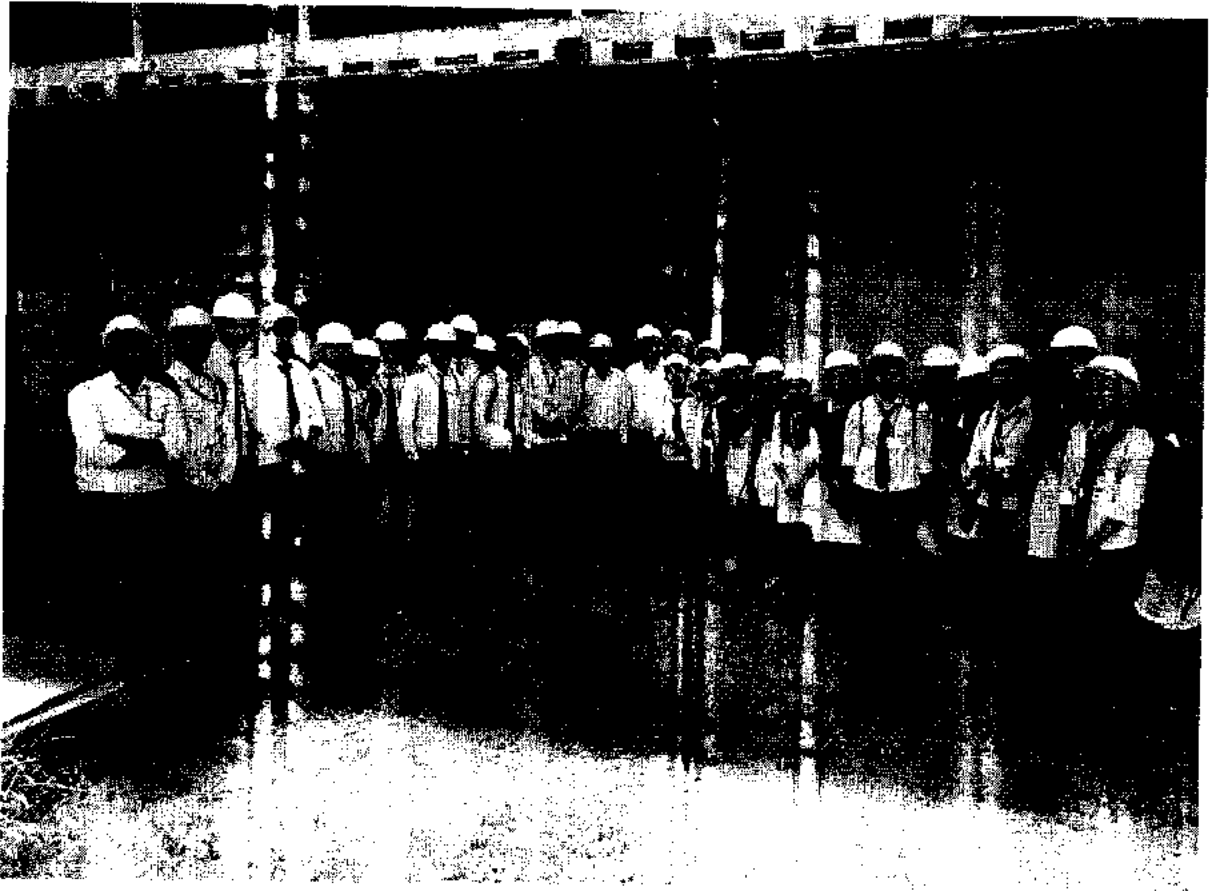
On 29th and 30th of March 2019 the industrial visit was arranged at RattanIndia Power Ltd., NandgaonPeth, Sawardi MIDC, Wagholi, Maharashtra. **RattanIndia Amravati Thermal Power Project** is a coal-based thermal power plant located in Nandgaonpeth, village in Amravati district Maharashtra. The power plant is operated by the RattanIndia Power Limited (formerly Indiabulls Power Ltd.). Total installed capacity of the plant is 1350 MW (5*270 MW units) and 1350 MW is under construction. Coal for the plant is sourced from South Eastern Coalfields Limited (SECL), Western Coalfields Limited (WCL) and Mahanadi Coalfields Limited (MCL). Water is sourced from NALDAYANTI SagarMorshi Dist. Amravati.

The visit was arranged for third year students of Electrical Engg. Department. All faculty members contributed directly and indirectly to make this visit successful. Total 92 students have attended the visit on two different days. The two faculty coordinators with batch of 30 students have visited to the plant.

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. Students came to know about the actual operation of the plant, different units working simultaneously to complete generation cycle, Control rooms and the role of engineer in all these processes. From the student's feedback we came to know that, it was great experience for students to come across the actual operation of the plant and got the chance to see the generating units.




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





**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.prpaticollege.org
(Recognized by AICTE, New Delhi & Affiliated to SGBAU, Amravati)

PRPCEM/Trg/2019-20/08

Date: 17th Dec, 2019

To
General Manager
Finlay Mill
Achalpur

Sub: Permission for Internship

Dear Sir,

Following student belong to our Institute; learning in IIIrd year (Vth Semester) Bachelor of Mechanical Engineering. They are desirous of undergoing a practical training and internship at your works.

- | | |
|------------------|----------------------|
| 1. Bhushan Dudhe | 4. Swapnil Tayade |
| 2. Sachin Yeul | 5. Pawan Sable |
| 3. Pratik Pote | 6. Nilesh Malkhede |
| | 7. Manoj - ul - Haq. |

It is requested to please accord them permission for completing their internship as per the norms of your esteemed Organization. They will follow rules and regulations of your organization during their stay at your works.

Kindly provide them necessary help during the internship. This work will be beneficial in improving their practical knowledge.

With warm regards

Head/Mechanical Engg. Deptt.

(Dr. P. S. Ardak)

PRINCIPAL

(Dr. S. D. Wakde)

Principal

P. R. Pote (Patil)

College of Engineering & Management
Amravati

Finlay

Mills

An ISO 9001:2008 Certified Company
A Unit of National Textile Corporation (WR) Ltd.
(A Govt. of India Undertaking)



एनटीसी

CIN No.U74899DL1968GOI004866

Amravati Road, Achalpur, Dist- Amravati Maharashtra- 444805

Contact: 07223-250612 (Fax)/250807/250613/250607/250616 E-Mail: gmfinlayachalpur@gmail.com Website -www.ntcld.org

Ref. No. Finlay/GM/2019-20/

Date - 16.01.2020

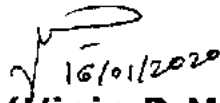
To Whomsoever It May Concern

This is to certify that Mr. Bhushan W. Dudhe, student of IIIrd Year Mechanical Engineering of P.R. Pote College of Engineering, Amaravati has undergone training from 30.12.2019 to 13.01.2020 at our mills.

During the tenure of his training, we found him to be sincere towards the tasks allotted.

This certificate is being issued to him on his own request.

For Finlay Mills, Achalpur


16/01/2020
(Vipin D. Mohane)
Asstt. Manager (HR)
Asstt. Manager (H.R.)
Finlay Mills, Achalpur

Regional Office :- National Textile Corporation Ltd. (WRO), N.T.C. House, 15-N.M. Marg, Ballard Estate, Mumbai -01
Phone No. - 022-22686600, Fax No. - 022-22686631

Head Office :- National Textile Corporation Ltd., Scope Complex, Core IV, 7, Lodhi Road, NEW DELHI - 110 003
Phone No. - 011-24360101, Fax No. - 24361112

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(A Govt. of India Undertaking)



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CIN No.U74899DL1968GOI004866

Amravati Road, Achalpur, Dist- Amravati Maharashtra- 444805

Contact: 07223-250612 (Fax)/250807/250613/250607/250616 E-Mail: gmfinlayachalpur@gmail.com Website -www.ntcltd.org

Ref. No. Finlay/GM/2019-20/

Date - 16.01.2020

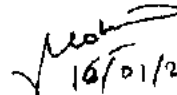
To Whomsoever It May Concern

This is to certify that Mr. Sachin Suresh Yeul, student of IIIrd Year Mechanical Engineering of P.R. Pote College of Engineering, Amaravati has undergone training from 30.12.2019 to 13.01.2020 at our mills.

During the tenure of his training, we found him to be sincere towards the tasks allotted.

This certificate is being issued to him on his own request.

For Finlay Mills, Achalpur


16/01/2020
(Vipin D. Mohane)
Asstt. Manager (HR)
Asstt. Manager (H.R.)
Finlay Mills, Achalpur

Regional Office :- National Textile Corporation Ltd. (WRO), N.T.C. House, 15-N.M. Marg, Ballard Estate, Mumbai -01

Phone No. - 022-22686600, Fax No. - 022-22686631

Head Office :- National Textile Corporation Ltd., Scope Complex, Core IV, 7, Lodhi Road, NEW DELHI - 110 003

Phone No. - 011-24360101, Fax No. - 24361112

Dt 21/07/2019

LETTER OF APPRECIATION FOR MS. MEENMI TEMPE

This is to certify that Miss Meenmi Tempe having a Bachelor of Business Administration (BBA), P. P. P. College of Commerce & Management, Amravati, has successfully completed her 3 months internship program at Wardha Branch of Bajaj Finserv Ltd. During the period of her internship program with us, she was found Punctual, Hardworking and inquisitive.

Miss Meenmi Tempe possesses a good moral character and pleasing personality. We wish her all the best in her future endeavours.

For Bajaj Finserv Ltd


Mr. Ram Wakode
Branch Manager (BHFL)




Mr. Pratik Garmare
Sales Manager (BHFL)

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5th Floor, Kumar City, Kalyani Nagar, Pune - 411 014

Tel :
Fax :
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Date : 18.08.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Lokesh Hirulkar** has doing his Summer internship from 12 June 2019 to 20 July 2019 in Sales Department (Marketing) at Aspa Bandsons Auto Pvt. Ltd. Nexa, Aspa Bandsons Auto Pvt. Ltd.

His conduct has been excellent and he has shown full dedication and commitment during her Internship.

We wish him all the best in his future endeavors.



ASPA BANDSONS AUTO PVT. LTD.

Authorised Signatory

NEXA

Date : 18.03.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Rani Taywade** has doing her Summer internship from 12 June 2019 to 20 July 2019 in Finance Department at Aspa Bandsons Auto Pvt. Ltd. Nexa, Aspa Bandsons Auto Pvt. Ltd.

Her conduct has been excellent and she has shown full dedication and commitment during her Internship.

We wish her all the best in her future endeavors.



ASPA BANDSONS AUTO PVT. LTD.

Authorised Signatory

CERTIFICATE OF INTERNSHIP



AVIRAT FINANCIAL EDUCATION & TRAINING INSTITUTE

JJAU COMMERCIAL COOPERATIVE BANK, AMRAVATI

Awarded to Mr./Miss Bhushan C. Wakode

on successful completion of Summer Internship Program 2019



In recognition of his/her hard work and dedication in completing the

Finance / Product Management / Banking Course from 10th June to 25 July 2019 at Amravati

Director, AFETI

Director, JJAU Commercial Co. Bank

Note: This certificate can not be utilized against any claim for government recruitment. Validation of Authenticity of this certificate is sole responsibility of college.

 <p>Bank of Maharashtra</p>	<p>BANK OF MAHARASHTRA</p> <p>SGB Amravati University branch Mardi road Amravati 444602 Phone no:-0721-2668097 bom1331@mahabank.co.in</p>	 <p>एक रुपया संचालन की शक्ति सर्वजनता अधिष्ठान की सफलता हेतु हम प्रतिबद्ध हैं</p>
--	---	--

AX41/Staff/SGB Amravati University/2019-20

Date: - 02/08/2019

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Miss. Dipali Vijayrao Gawai**, R/o. Gadgaon, Warud, Amravati who is pursuing her Master of Business Administration degree in Finance from P. R. Pote Patil College of Engineering and Management, Amravati, has successfully completed Seven Week summer Internship / project work from 17.06.2019 to 01.08.2019 at our Bank of Maharashtra, S.G.B. Amravati University Branch.

During her working period we found her a sincere and honest with good knowledge.

We wish her for success in future.

Respectfully,




Branch Manager
S.G.B. Amravati University Branch,
AMRAVATI

SBI

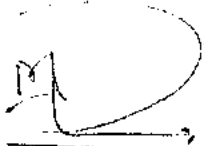
CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms Darshana Rameshrao Tekade, who was pursuing her Master of Business Administration degree in Finance/Marketing from P R Pote Patil Education & welfare Trusts Group of Institutions, College of Engineering & Management has successfully completed her Summer Internship at our WARUD branch from 11.06.2019 to 31.07.2019 in partial fulfillment of requirement for the award of Post Graduate Degree in Business Administration prescribed by the institute.

Her performance was found to be satisfactory during the period.

We wish her all success in her future career.



Regional Manager

Regional Business Office – Amravati

State Bank of India,

AMRAVATI

Date: 19.08.2019

राष्ट्रीय केमिकल्स एण्ड फर्टिलाइजर्स लिमिटेड



साथ बढें समृद्धि की ओर

मानव संसाधन विकास केंद्र

थळ इकाई, अलिबाग-रायगड-402 208

प्रमाणपत्र / Certificate

Name : Sanyukta Fulchand Tambe

Institution : P.R.Pote College of Engineering & Management, Amravati

Branch : MBA (Marketing)

Period of Training : 45 days From : 17/06/2019 to 30/07/2019

Leave taken during Training : 05 days

Off Days & Holidays : 06 days

Nature of Training : Marketing Department Intensive Training

Report of Training

	Excellent	Very Good	Good	Average
1. Conduct	✓			
2. Punctuality	✓			
3. Knowledge		✓		
4. Interview Rating			✓	
5. Report Rating			✓	

Special Remarks : -----

Date : 30/07/2019



For and on Behalf of **B. G. F. Ltd.**

हेमंत कुलकर्णी
मुख्य महासंचालक (मा.सं.एवं प्र.)
Hemant Kulkarni
CHIEF MGR & ADMIN.
N.C.F. LTD. THAL UNIT

राष्ट्रीय केमिकल्स एण्ड फर्टिलाइजर्स लिमिटेड



साथ बढ़ें समृद्धि की ओर

मानव संसाधन विकास केंद्र

थळ इकाई, अलिबाग-रायगड-402 208

प्रमाणपत्र / Certificate

Name : Miss. Sakshi Sudhakar Phate

Institution : P.R.Pote College of Engineering & Management, Amravati

Branch : MBA (Marketing)

Period of Training : 45 days From : 17/06/2019 to 30/07/2019

Leave taken during Training : 05 days

Off Days & Holidays : 06 days

Nature of Training : Marketing Department Intensive Training

Report of Training

	Excellent	Very Good	Good	Average
1. Conduct	✓			
2. Punctuality	✓			
3. Knowledge		✓		
4. Interview Rating			✓	
5. Report Rating			✓	

Special Remarks : -----

Date : 30/07/2019



For and on Behalf of R.C.F. Ltd.

हमंत कुलकर्णी
मुख्य महाप्रबंधक (मा.सं. एवं प्र.)
Hemant Kulkarni
CO-CHR & ADMIN
REGIONAL HEAD UNIT

RITESH ENGINEERING & FABRICATORS

(M) 8390101989,

An ISO 9001:2015 CERTIFIED COMPANY
Plot No A/72 M.I.D.C AMRAVATI

EMAIL: ref_amt@yahoo.co.in

MFG of K.T Weir Needle Gates, H.T & L.T Line Material, Lift Irrigation System, Elevators

SSI REG NO:-110302307

GST NO 27AAKPV0093Q1ZU

To whom so ever it may concern

This is to certify that Mr. Ziyaul Haque A.Haque Chaus Res. at paradise colony walgaon road Amravati, who was working with our company from Dt:-15-june-2019 to 30 July 2019, His work was to interacts with builder, Society's president, And individual regarding our elevators product. During his working period we found him sincere, honest, hardworking employee with professional attitude and very good job knowledge. We have no objection to allow him in any better position and have no liabilities in our company we wish him all the best for his future.

His basic pay was Rs 3500/-

Sincerely,

Name; Harsh Verma

Designation; Manager

Ritesh Engineering & Fabricators

A - 72

M. I. D. C. AMRAVATI.



Date: 12th July 2019

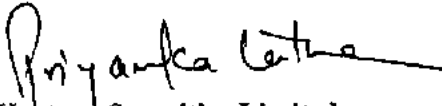
CERTIFICATE OF INTERNSHIP

This is to certify that Ms. Karishma Deshmukh has successfully completed her internship with Ventura Securities Ltd. on the project of "Study of Derivatives" from 10th June 2019 – 10th July 2019.

During the internship Ms. Karishma Deshmukh was found to be punctual, positive and performance oriented.

We wish her success in her career.

Authorized Signatory


Ventura Securities Limited

Date: 12th July 2019

CERTIFICATE OF INTERNSHIP

This is to certify that Ms. Sakshi Korde has successfully completed her internship with Ventura Securities Ltd. on the project of "Study of Derivatives" from 10th June 2019 – 10th July 2019.

During the internship Ms. Sakshi Korde was found to be punctual, positive and performance oriented.

We wish her success in her career.

Authorized Signatory


Ventura Securities Limited

Date: 12th July 2019

CERTIFICATE OF INTERNSHIP

This is to certify that Ms. Pranali Ingle has successfully completed her internship with Ventura Securities Ltd. on the project of "Study of Derivatives" from 10th June 2019 – 10th July 2019.

During the internship Ms. Pranali Ingle was found to be punctual, positive and performance oriented.

We wish her success in her career.

Authorized Signatory


Ventura Securities Limited

Raymond

Luxury Cottons

LIMITED

Works :

Plot No. T-18/1, Textile Park,
Additional Industrial Area, Nandgaon Peth,
Dist. Amravati - 444 901, Maharashtra.
Tel : BSNL Land Line: 0721-2970415 / 2970416
Tel : IDEA Land Line: 7720008679 / 7720008672
CIN No.: U17120MH2004PLC149276

RLCL/HR17

Date: 25th July 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Kalyani D Watane** had undergone training in our organization from 26th June 2019 to 25th July 2019, and successfully completed **Industrial Training in Human Resource departments.**

During her training, she has shown a keen interest in learning & orientation towards various aspects of the departments at Raymond Luxury Cottons Limited, Amravati.

She was found hardworking and sincere during the tenure.

We wish her all the very success in her studies and a successful career in future endeavor.

For Raymond Luxury Cottons Limited,


Authorized Signatory

Registered Office : New Hind House, Narottam Morarjee Marg, Ballard Estate, Mumbai - 400 001. Tel. : +91 22 22686000 Fax : +91 22 22620052

Works :

Kolhapur - Plot No. T-1, Kagal Hatkanangale Five Star Ind. Area, Kasba Sangaon, Taluka Kagal, Dist. Kolhapur, Maharashtra, Pin : 416 216,
Tel. : +91 231 6615100/300 Fax : +91 231 6615115

Administrative Office - Pokhran Road No. 1, Jekegram, Thane (West) - 400 606, Maharashtra India. Tel.: +91 22 61528323 / 61527000



25 Years of Trust

Goel Financial Services

Franchisee : Motilal Oswal Securities Ltd.

2nd Floor, Devsar Plaza, Old Cotton Market, Beside AUCB Bank,
Akola - 444 001 | Ph.: 93021801137, 9248230785, 9309180157
Mob.: 9422161631



www.wealth-manager.in



goelfinaki@gmail.com

Date : 18/07/2019

Dear Ms. Vaishnavi Mohan Mahalle

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Vaishnavi Mohan Mahalle student of P R POTE PATIL College of Engineering and Mangement Amravati has successfully completed internship training of stock market in our organization under supervision of Mr Manoj Nandlal Tibdewal from 01/06/2019 to 15/07/2019.

During him /her tenure of this summer training we found him/her sincere and hardworking

We wish him/her all success in her career.

For Goel Financial Services Akola

Manoj Nandlal Tibdewal



भारतीय स्टेट बैंक
भारतीय स्टेट बैंक
STATE BANK OF INDIA

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Shailesh Dillip Roy, who was pursuing his Master of Business Administration degree in Finance from P R Pote Patil Education & welfare Trusts Group of Institutions, College of Engineering & Management has successfully completed his Summer Internship at our **DHAMANGAON RLY (MAIN)** branch from **07.06.2019** to **23.07.2019** in partial fulfillment of requirement for the award of Post Graduate Degree in Business Administration prescribed by the institute.

His performance was found to be satisfactory during the period.

We wish him all the success in his future career.

Regional Manager
Regional Business Office – Amravati
State Bank of India,
AMRAVATI



Date: 25.07.2019

bank.sbi
+91 721 2550125
+91 721 2550640
mrbo2.amravati@sbi.co.in

क्षेत्रीय व्यवसाय कार्यालय
एसबीआय कॅम्प शाखा जवळ,
जुना बाय-पास रोड, कॅम्प,
अमरावती - 444 602
महाराष्ट्र (भारत)

क्षेत्रीय व्यवसाय कार्यालय
एसबीआय कॅम्प शाखा के पास,
जुना बाय-पास रोड, कॅम्प,
अमरावती - 444 602
महाराष्ट्र (भारत)

Regional Business Office
Near SBI Camp SHAHU,
Old Bye-Pass Road, Camp,
Amravati - 444 602
Maharashtra (India)

NEELAY

NEELAY INDUSTRIES

Plot No. C-18, NICE AREA, M.I.D.C. Satpur, Nashik - 422 007.
Ph.: (0253) 2354512, Email id.: neelayind@rediffmail.com



An ISO 9001: 2015 Company

Date: - 21/07/2019

TO WHOM SO EVER IT MAY CONCERN

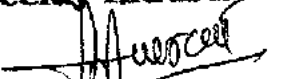
This is to certify that **Ms. Diksha Arvind Bansod**, the student of P. R. Pote Patil College of Engineering and Management, Amravati studying in Master of Business Administration. During the period of 07th June 2019 to 21st July 2019. Has visited our organization and collected information that was necessary for the completion of project work on **Human Resource** in manufacturing units of Neelay Industries for 2018-2019.

We found her intelligent, hardworking and Sincere.

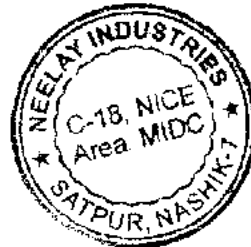
We wish her best for her future career.

For,

Neelay Industries,
For Neelay Industries


Authorised Signatory

Authorised Signatory



NEXA

Date : 18.08.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Saurabh S Shinde** has doing his Summer internship from 12 June 2019 to 20 July 2019 in Sales Department (Marketing) at Aspa Bandsons Auto Pvt. Ltd. Nexa, Aspa Bandsons Auto Pvt. Ltd.

His conduct has been excellent and he has shown full dedication and commitment during her Internship.

We wish him all the best in his future endeavors.



A handwritten signature in black ink.

ASPA BANDSONS AUTO PVT. LTD.

Authorised Signatory

ASPA BANDSONS AUTO PVT. LTD.
Satuma, Badnera Road, Amravati - 444 605
Mobile - 88058 33333
E-mail ID - aspa.nexa@marutidealers.com
www.nexaexperience.com



ASPA BANDSONS AUTO PVT. LTD.

(Authorised Maruti Dealer)

www.aspabandsons.com

MARUTI SUZUKI

Way of Life!

GST NO. Z7AADCA2788K1ZD

AMRAVATI Badnera Road Mob. : 9689896893 aspamr.svt@marutidealers.com	BODYSHOP A-1/2, MIDC, Amravati Mob. : 8975762303 aspamr.bs1@marutidealers.com	WASHIM Hingoli Road-444805 Mob. 9822475499 aspewashim@gmail.com	WARUD Multai Road- 444808 Mob. 9422968651 aspewarud@gmail.com	PARATWADA Amravati Road - 444805 Mob. 8888897629 aspamr.svt1@marutidealers.com
--	---	---	---	--

Date : 18.08.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Akash M Naigaonkar** has doing his Summer internship from 12 June 2019 to 20 July 2019 in Sales Department (Marketing) at Aspa Bandsons Auto Pvt. Ltd. Nexa, Aspa Bandsons Auto Pvt. Ltd.

His conduct has been excellent and he has shown full dedication and commitment during her Internship.

We wish him all the best in his future endeavors.



ASPA BANDSONS AUTO PVT. LTD.

Authorised Signatory



भारतीय स्टेट बैंक
भारतीय स्टेट बैंक
STATE BANK OF INDIA

S P Pote Patil

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr Ankit Subhashrao Gulhane**, who was pursuing his Master of Business Administration degree in Finance from **P R Pote Patil Education & welfare Trusts Group of Institutions, College of Engineering & Management** has successfully completed his Summer Internship at our **DARYAPUR** branch from **07.06.2019 to 25.07.2019** in partial fulfillment of requirement for the award of Post Graduate Degree in Business Administration prescribed by the institute.

His performance was found to be satisfactory during the period.

We wish his all success in his future career.

Regional Manager
Regional Business Office – Amravati
State Bank of India,
AMRAVATI

Date: 02.08.2019

☎ bank.sbi
☎ +91 0721 2550125
☎ +91 0721 2550640
✉ rmrbo2.amravati@sbi.co.in

क्षेत्रीय व्यवसाय कार्यालय,
एसबीआई कॅम्प शाखा जवळ,
जुना बायपास रोड, कॅम्प,
अमरावती - 444602.
महाराष्ट्र (भारत)

क्षेत्रीय व्यवसाय कार्यालय,
एसबीआई कॅम्प शाखा के पास,
पुराना बायपास रोड, कॅम्प,
अमरावती - 444602.
महाराष्ट्र (भारत)

Regional Business Office.
Near SBI Camp Branch,
Old Bye-pass Road, Camp,
Amravati - 444602.
Maharashtra (India)

**ASPA BANDSONS AUTO PVT. LTD.**

(Authorised Maruti Dealer)

www.aspabandsons.com

AMRAVATI Badnera Road Mob. : 9688896893 aspamr.aat@marutidealers.com	BODYSHOP A-1/2, MIDC, Amravati Mob. : 8975762303 aspamr.bst@marutidealers.com	WASHIM Hingoli Road-444605 Mob. 9822475499 aspawashim@gmail.com	WARUD Multai Road- 444906 Mob. 9422958651 aspawarud@gmail.com	PARATWADA Amravati Road - 444805 Mob. 8888897629 aspamr.srvt@marutidealers.com
--	---	---	---	--

Date : 18.08.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Vishwajit Padole has doing his Summer internship from 10 June 2019 to 10 July 2019 in Finance Department at Aspa Bandsons Auto Pvt. Ltd. Arena, Aspa Bandsons Auto Pvt. Ltd.

His conduct has been excellent and he has shown full dedication and commitment during his Internship.

We wish him all the best in his future endeavors.



ASPA BANDSONS AUTO PVT. LTD.


Authorised Signatory

CERTIFICATE OF INTERNSHIP

Summer Internship Program 2019



AVIRAT FINANCIAL EDUCATION & TRAINING INSTITUTE

JJAU COMMERCIAL COOPERATIVE BANK, AMRAVATI

Awarded to Mr./Miss Sugandha P. Bhosale

on successful completion of Summer Internship Program 2019

In recognition of his/her hard work and dedication in completing the

Finance / Product Management / Banking Course from 10th June to 25 July 2019 at Amravati


Director, AFETI

CERTIFICATE OF INTERNSHIP

Summer Internship Program 2019



AVIRAT FINANCIAL EDUCATION & TRAINING INSTITUTE
&
JIJAU COMMERCIAL COOPERATIVE BANK, AMRAVATI

Awarded to Mr./Miss Vrushabh G. Polaskar

on successful completion of Summer Internship Program 2019

In recognition of his/her hard work and dedication in completing the

Finance / Product Management / Banking Course from 10th June to 25 July 2019 at Amravati

Director, AFETI



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--	---	---	---	--

Date : 18.08.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Kalyani Palekar** has doing her Summer internship from 01 July 2019 to 30 July 2019 in Finance Department at Aspa Bandsons Auto Pvt. Ltd. **Arena, Aspa Bandsons Auto Pvt. Ltd.**

Her conduct has been excellent and she has shown full dedication and commitment during her Internship.

We wish her all the best in her future endeavors.

ASPA BANDSONS AUTO PVT. LTD.



Authorised Signatory

VHPL/FIN/2019-2020**Date:- 16th Aug 2019.****TO WHOMSOEVER IT MAY CONCERN**

This is to certify that *Ms. Disha Nagariya* has successfully completed her project in our organization. Her project was, "*An Analysis of Working Capital Management of Venkateshwara Hatcheries Private Limited*", which was a part of her MBA course.

Her training period was from 14th June 2019 to 14th Aug 2019.

She has been sincere, hard working and punctual in her work. We wish her a prosperous career in the future.

For Venkateshwara Hatcheries Pvt. Ltd.



Nitin Nerlekar
(DGM – Finance)

VHPL/FIN/2019-2020**Date:- 16th Aug 2019.****TO WHOMSOEVER IT MAY CONCERN**

This is to certify that *Ms. Shruti Malviya* has successfully completed her project in our organization. Her project was, "*An Analysis of Working Capital Management of Venkateshwara Hatcheries Private Limited*", which was a part of her MBA course.

Her training period was from 14th June 2019 to 14th Aug 2019.

She has been sincere, hard working and punctual in her work. We wish her a prosperous career in the future.

For Venkateshwara Hatcheries Pvt. Ltd.



Nitin Nerlekar
(DGM – Finance)

Content

1.1.1

Sr. No.	Particulars	Page No.
1	Index	2
2	Cover Page	3
3	Stakeholder's Feedback of CSE Dept.	4-18
4	Action Taken Report	19-24
5	Stakeholder's Feedback of MCA Dept.	25-42



**P. R. Pote (Patil) College of Engineering &
Management (PRPCEM), Amravati
IQAC Cell**

1.4.1 Structured feedback analysis obtained for the design and review of syllabus year wise

INDEX

Sr. No.	Particular
1	Analysis of Parents Feedback on Curriculum
2	Analysis of Alumni Feedback
3	Analysis of Teachers Feedback
4	Analysis of Students feedback
5	Analysis of Employer feedback

NAAC Criteria-1

AQAR 2019 - 20

List of Supporting Documents

Item No.	Content
1.4.1	Structured feedback received from all the stakeholders



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati**
Department of Computer Science and Engineering

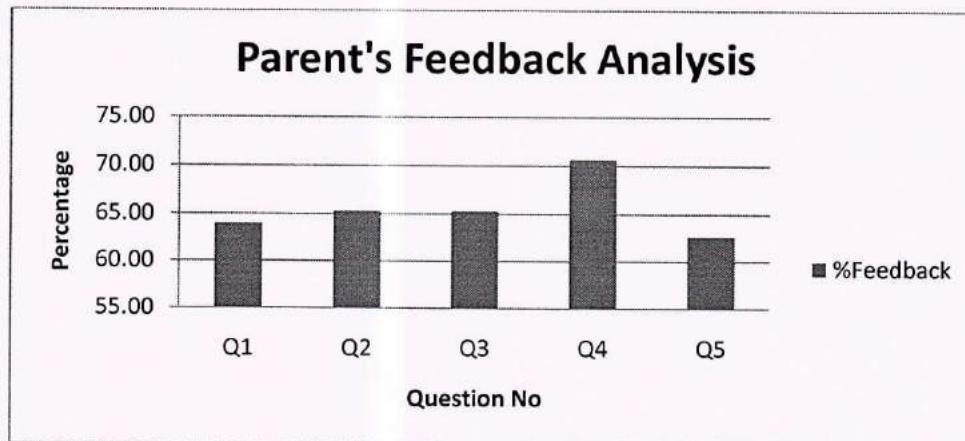
Academic Session 2019-20

Analysis of Parents Feedback on Curriculum

Total No of Sample collected: 30

Date of Analysis: 15/07/2020

Sr.No.	Particulars	% Feedback
1	Rate the learning experience gained by the ward Through curriculum of the course	64.00
2	Rate the competency of the curriculum with respect to other Universities	65.33
3	Rate the relevance of curriculum to the program	65.33
4	Rate the incorporation of recent changes of technology in the curriculum	70.67
5	Satisfaction level of curriculum design as per the Requirement of employability/ Higher Learning.	62.67



Overall observation: Parents are satisfied with the curriculum taught by the institute but need some content beyond syllabus to be taught

Key suggestions given: 1) college should teach new technologies related to job placement and industry to students

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

Dean Academics

2

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



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 2019-2020

Parents Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	Rate the learning experience gained by the ward Through curriculum of the course	✓		
2	Rate the competency of the curriculum with respect to other Universities		✓	
3	Rate the relevance of curriculum to the program	✓		
4	Rate the incorporation of recent changes of technology in the curriculum	✓		
5	Satisfaction level of curriculum design as per the Requirement of employability/ Higher Learning.	✓		

Suggestions for further Improvement-

सहायक यंत्रणा आहे. कर्मचारी environment
सुध्दा आहे.

Name & Signature of Parent:



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 2019-2020

Parents Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	Rate the learning experience gained by the ward Through curriculum of the course	✓		
2	Rate the competency of the curriculum with respect to other Universities		✓	
3	Rate the relevancy of curriculum to the program			
4	Rate the incorporation of recent changes of technology in the curriculum	✓	✗	
5	Satisfaction level of curriculum design as per the Requirement of employability/ Higher Learning.	✓		

Suggestions for further Improvement-

शुद्धता सुधारणे आणि अंश सुधारणे

Name & Signature of Parent: Ques



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

Department of Computer Science and Engineering

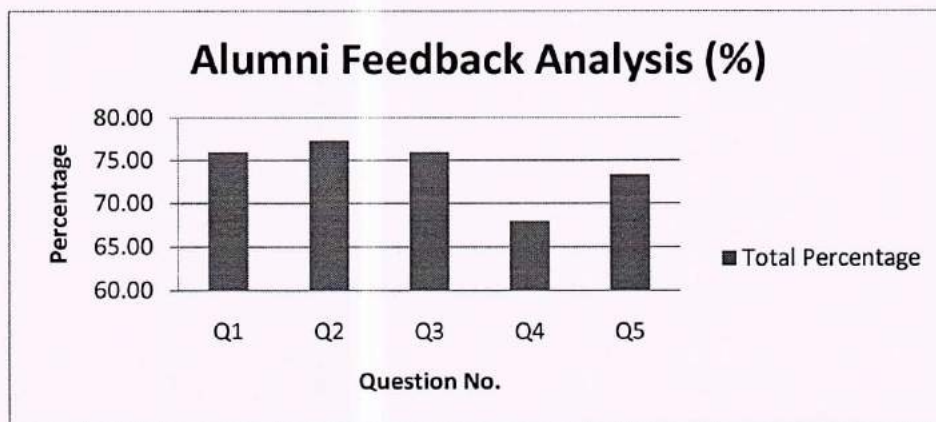
Academic Session- 2019-20

Analysis of Alumni Feedback on Curriculum

Total No of Sample collected: 30

Date of Analysis: 16/08/2020

Sr. No	Particulars	% Feedback
1	Curriculum meets pre-requisite and basic knowledge required for the career.	76.00
2	Use fullness of learning experience in career.	77.33
3	Electives offered in relation to the technological advancements.	76.00
4	The new courses (subjects) Introduced meet contemporary (existing) requirements.	68.00
5	Design of the courses (subjects) encourages/ motivates extra learning or self-learning.	73.33



Overall observation: Students were able to get job opportunities based on the curriculum

Key suggestions given: 1) Curriculum should include some subject related to new technologies used in industry.
2) more practical orientation needed

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

Dean Academics

3

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



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 2019-20

Alumni Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	Curriculum meets pre-requisite and basic knowledge required for the career.	✓		
2	Use fullness of learning experience in career.		✓	✓
3	Electives offered in relation to the technological advancements.	✓		
4	The new courses (subjects) Introduced meet contemporary (existing) requirements.	✓		
5	Design of the courses (subjects) encourages/ motivates extra learning or self-learning.		✓	

Suggestions for further Improvement-

No suggestion.

Name & Signature of Alumni: Sanket Musale TCS

Department: CSE

Details of Employment: TCS Software Engg. at TCS.



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 2019-20

Alumni Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	Curriculum meets pre-requisite and basic knowledge required for the career.		✓	
2	Use fullness of learning experience in career.		✓	
3	Electives offered in relation to the technological advancements.	✓		
4	The new courses (subjects) Introduced meet contemporary (existing) requirements.		✓	
5	Design of the courses (subjects) encourages/ motivates extra learning or self-learning.	✓		

Suggestions for further Improvement-

all courses are good just some new languages should be included in curriculum.

Name & Signature of Alumni: Shamali Paddarke.

Department: CSE.

Details of Employment: preparation for UPSC.



**P. R. Pote (Patil) College of Engineering & Management
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Department of Computer Science and Engineering

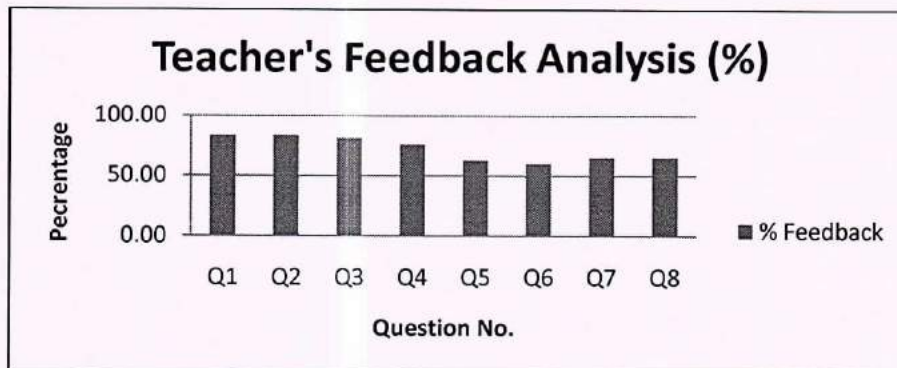
Academic Session 2019-20

Analysis of Teachers Feedback on Curriculum

Total No of Sample collected: 15

Date of Analysis: 06/06/2020

Sr.No	Particulars	% Feedback
1	The learning objectives are clear and appropriate to the program.	84.00
2	The curriculum and syllabus are well organized and suitable to the program.	84.00
3	The textbooks/ Reference Books are well suited to the course.	81.33
4	The system followed by the university for the design and development of curriculum is effective.	76.00
5	Provision to update curriculum time to time.	62.67
6	Rate the distribution of contact hours among the course components?	60.00
7	The curriculum has a good balance between theory and practical.	65.33
8	Rate the electives offered in relation to the technological advancements?	65.33



Overall observation: Good feedback related with textbooks and contents of current curriculum

Key suggestions given: 1) new subjects based on recent technologies must be included in syllabus

[Signature]
H.O.D (Comp. Dept.)
Pote (Patil) College of Engg. & Management
Amravati.

[Signature]
Dean Academics

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



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 19-20

Teachers Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	The learning objectives are clear and appropriate to the program.		✓	
2	The curriculum and syllabus are well organized and suitable to the program.	✓		
3	The textbooks/ Reference Books are well suited to the course.	✓		
4	The system followed by the university for the design and development of curriculum is effective.		✓	
5	Provision to update curriculum time to time.		✓	
6	Rate the distribution of contact hours among the course components?		✓	
7	The curriculum has a good balance between theory and practical.	✓		
8	Rate the electives offered in relation to the technological advancements?		✓	

Suggestions for further Improvement-

(new courses, uncovered topics, obsolete topics, laboratory experiments, software etc.)

no suggestions.

Name & Signature of Teacher:

Prof S. R. Sontakke

Department:

CSE.



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 2019-20

Teachers Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	The learning objectives are clear and appropriate to the program.	✓		
2	The curriculum and syllabus are well organized and suitable to the program.	✓		
3	The textbooks/ Reference Books are well suited to the course.	✓		
4	The system followed by the university for the design and development of curriculum is effective.	✓		
5	Provision to update curriculum time to time.	✓		
6	Rate the distribution of contact hours among the course components?		✓	
7	The curriculum has a good balance between theory and practical.		✓	
8	Rate the electives offered in relation to the technological advancements?		✓	

Suggestions for further Improvement-

(new courses, uncovered topics, obsolete topics, laboratory experiments, software etc.)

Electronic courses must be reduced and data science need to add in curriculum.

Name & Signature of Teacher: Prof. C. S. Deshmukh

Department: CSE



**P. R. Pote (Patil) College of Engineering & Management
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Department of Computer Science and Engineering

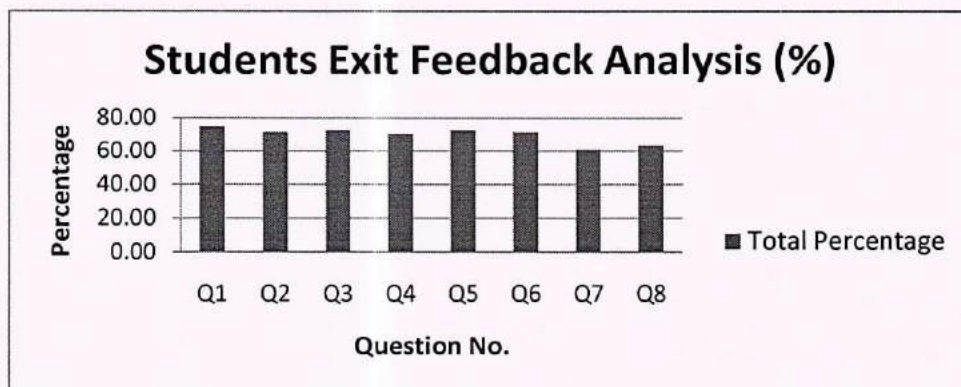
Academic Session: 2019-20

Analysis of Students Feedback on Curriculum
(Design & Review of Syllabus)

Total No of Sample collected: 35

Date of Analysis: 25/07/2020

Sr. No	Particulars	% Feedback
1	The curriculum is up to date and relevant from the point of view of employability	74.86
2	The core courses offer an in-depth exposure to the subject	71.43
3	Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	72.57
4	The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	70.29
5	Rate the electives offered in relation to the technological advancements?	72.57
6	Content of the courses encourages extra learning/ self-learning.	71.43
7	Rate the percentage(Number) of courses having practical components?	61.14
8	Rate the domain used for Designing/ performing the experiments in the laboratory?	63.43



Overall observation: subject are good with basic knowledge

Key suggestions given: 1. new subjects related with emerging technologies should be added
2. More hands on programming language needed

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Amravati.

Dean Academics

Principal
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College of Engineering & Management
Amravati.



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 19-20

**Students Feedback on Curriculum
(Design & Review of Syllabus)**

Rate the Particulars by putting tick mark in appropriate cell.

Sr. No	Particulars	High	Moderate	Poor
1	The curriculum is up to date and relevant from the point of view of employability	✓		
2	The core courses offer an in-depth exposure to the subject		✓	
3	Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	✓		
4	The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills		✓	
5	Rate the electives offered in relation to the technological advancements?		✓	
6	Content of the courses encourages extra learning/ self-learning.	✓		
7	Rate the percentage(Number) of courses having practical components?		✓	
8	Rate the domain used for Designing/ performing the experiments in the laboratory?	✓		

Suggestions for further Improvement- (new courses, uncovered topics, obsolete topics, laboratory)

New Technologies should be included.

Name & Signature of Student:

Shamal Bherde (Sec B)

Department: CSE

Year & Semester: Final year.



**P. R. Pote (Patil) College of Engineering & Management
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IQAC Cell**

Session 19-20

**Students Feedback on Curriculum
(Design & Review of Syllabus)**

Rate the Particulars by putting tick mark in appropriate cell.

Sr. No	Particulars	High	Moderate	Poor
1	The curriculum is up to date and relevant from the point of view of employability		✓	
2	The core courses offer an in-depth exposure to the subject		✓	
3	Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	✓		
4	The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills		✓	
5	Rate the electives offered in relation to the technological advancements?		✓	
6	Content of the courses encourages extra learning/ self-learning.	✓		
7	Rate the percentage(Number) of courses having practical components?		✓	
8	Rate the domain used for Designing/ performing the experiments in the laboratory?	✓		

Suggestions for further Improvement- (new courses, uncovered topics, obsolete topics, laboratory)

No suggestion.

Name & Signature of Student:

Shradha Ingale

Department: *CSE*

Year & Semester: *Final year.*



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

Department of Computer Science and Engineering

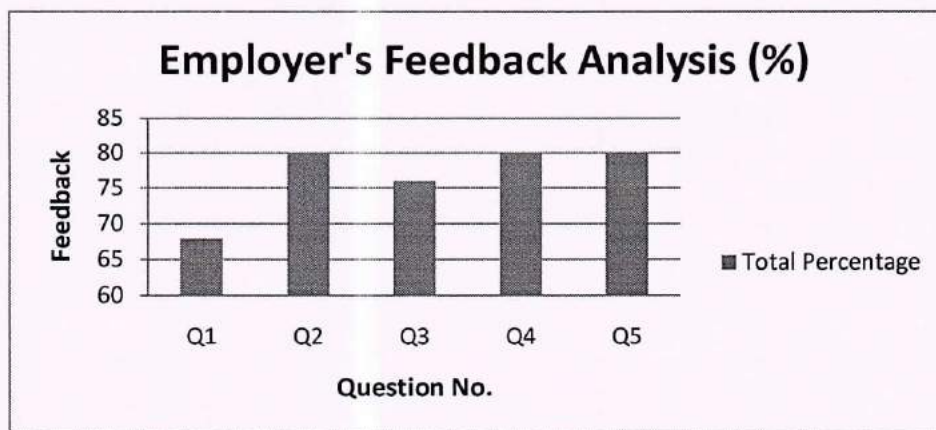
Academic Session: 2019-20

**Analysis of Employers Feedback on Curriculum
(Design & Review of Syllabus)**

Total No of Sample collected: 10

Date of Analysis:07/08/2020

Sr.No	Particulars	% Feedback
1	The curriculum prepares the graduate to deliver technical services as per industry requirements.	68
2	The graduate has an in-depth exposure to the core courses	80
3	The graduates have adequate practical exposure for undertaking real time projects	76
4	The graduates have necessary soft skills and are successful team players.	80
5	The graduates are capable of continuously upgrading their skill set to meet the industry demands from time to time.	80



Overall observation: Satisfactory

Key suggestions given : 1. Some subjects are outdated and are not needed in industry
2. New technologies need to be taught.

HOD

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

Dean Academics

6

Principal

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



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

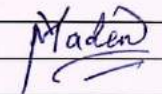
Session 2019-20

Employer Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	The curriculum prepares the graduate to deliver technical services as per industry requirements.	✓		
2	The graduate has an in-depth exposure to the core courses		✓	
3	The graduates have adequate practical exposure for undertaking real time projects	✓		✓
4	The graduates have necessary soft skills and are successful team players.	✓		
5	The graduates are capable of continuously upgrading their skill set to meet the industry demands from time to time.		✓	

Suggestions for further Improvement-

more hands on session must be included in curriculum.	
Name & Signature of the Employer:	Mr. Manish Yadav 
Designation:	Talent Acquisition Manager
Name of Company:	Global Logic
Feedback pertaining to Employee (Name of Employee:	Ms. Pooja Barve)



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

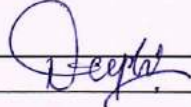
Session 2019-20

Employer Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	The curriculum prepares the graduate to deliver technical services as per industry requirements.	✓		
2	The graduate has an in-depth exposure to the core courses	✓		
3	The graduates have adequate practical exposure for undertaking real time projects		✓	
4	The graduates have necessary soft skills and are successful team players.	✓		
5	The graduates are capable of continuously upgrading their skill set to meet the industry demands from time to time.			✓

Suggestions for further Improvement-

new contents must be added related to technologies	
Name & Signature of the Employer:	Ms. Deepthi 
Designation:	HR Manager
Name of Company:	Smart Data
Feedback pertaining to Employee (Name of Employee:	Ms. Piyush Zamnani)

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

Action Taken Report Format 2019-20

The Action Taken Report (ATR) is compiled after completion of Feedback of different Stakeholders on Curriculum. The stakeholders include the current students, teachers Parents, Employers and Alumni.

- For each feedback, the threshold value of Average feedback Percentage on any question is decided as **70%**.
- If the Average Feedback for a particular Question is less than 70%, action is taken and report is generated Accordingly.


H. CHODASE. Dept.)
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Amravati.

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


Action Taken Report for Curriculum

Year 2019-2020

Name of Department/Facility: Computer Science & Engineering

Name of Activity: Parent Feedback for Curriculum

SN	Suggestions or Issues	Action Taken
1	college should teach new technologies related to job placement and industry to students	Various workshops and guest lectures are planned for topics and technologies which are not included in syllabus.


HOD, (CSE Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.


IOAC Coordinator
P.R.Pote (Patil) College of Engg. & Management
Amravati.

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


Action Taken Report for Curriculum

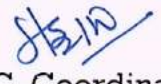
Year 2019-2020

Name of Department/Facility: Computer Science & Engineering

Name of Activity: **Alumni Feedback for Curriculum**

SN	Suggestions or Issues	Action Taken
1	Curriculum should include some subject related to new technologies used in industry.	Various workshops and guest lectures are planned for topics and technologies which are not included in syllabus.
2	More practical Orientation Needed	Respected practical incharge are informed to conduct more hands on sessions with new practicals


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


IQAC Coordinator
Co-ordinator, IQAC
P.R. Pote (Patil) C O E & M
Amravati

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

Action Taken Report for Curriculum

Year 2019-2020

Name of Department/Facility: Computer Science & Engineering

Name of Activity: **Teacher's Feedback for Curriculum**

SN	Suggestions or Issues	Action Taken
1	new subjects based on recent technologies must be included in syllabus	Various workshops and guest lectures are planned for topics and technologies which are not included in syllabus.

HOD, CSE (Comp. Dept.)
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Amravati.

IQAC Coordinator
P.R. Pote (Patil) College of Engg. & Management
Amravati.

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


Action Taken Report for Curriculum

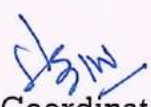
Year 2019-2020

Name of Department/Facility: Computer Science & Engineering

Name of Activity: **Student Feedback for Curriculum**

SN	Suggestions or Issues	Action Taken
1	new subjects related with emerging technologies should be added.	Suggestions are given to Board of Studies in the syllabus framing meeting attended by faculties.
2	More hands on programming language needed	T & P Conducts different special training sessions on programming language for placement preparations


HOD, CSE (sp. Dept.)
P.R. Pote (Patil) College of Engg. & Management
Amravati.


IQAC Coordinator
P.R. Pote (Patil)
Amravati.

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


Action Taken Report for Curriculum


Year 2019-2020

Name of Department/Facility: Computer Science & Engineering

Name of Activity: **Employers Feedback for Curriculum**

SN	Suggestions or Issues	Action Taken
1	New technologies need to be taught.	Suggestions are given to Board of Studies in the syllabus framing meeting attended by faculties. And different training sessions are arranged on new technologies.
2	Some subjects are outdated and are not needed in industry	Suggestions for the same are given to Board of Studies in the syllabus framing meeting attended by faculties..


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


IQAC Coordinator



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
Department of MCA**

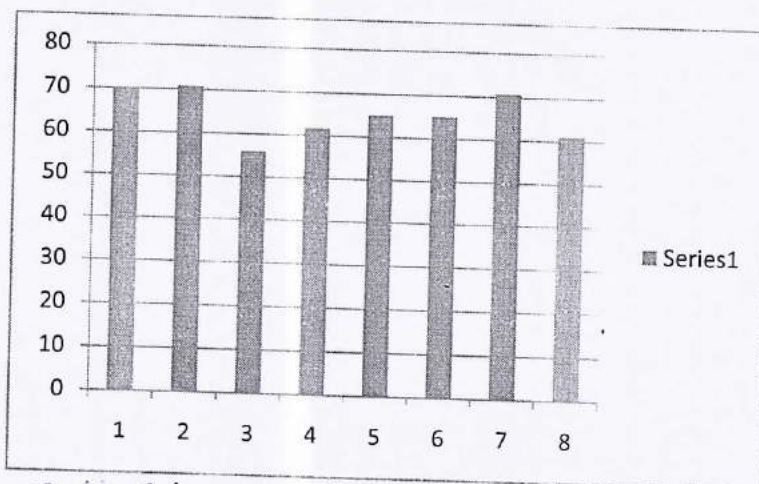
Session: 2019-20

**Analysis of Students Feedback on Curriculum
(Design & Review of Syllabus)**

Total No of Sample collected: 32

Date of Analysis: 25-07-18

Sr. No	Particulars	% Feedback
1	The curriculum is up to date and relevant from the point of view of employability	70.00
2	The core courses offer an in-depth exposure to the subject	70.86
3	Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	56.00
4	The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	61.71
5	Rate the electives offered in relation to the technological advancements?	65.14
6	Content of the courses encourages extra learning/ self-learning.	65.14
7	Rate the percentage(Number) of courses having practical components?	70.86
8	Rate the domain used for Designing/ performing the experiments in the laboratory?	61.14



Overall observation: Satisfying

Key suggestions given: No

HOD

Lecturer /A.P.

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

Dean Academics

Principal

P. R. Pote (Patil)

College of Engineering & Management
Amravati.

P. R. Pote (Patil) College of Engineering & Management (PRPCEM), Amravati
 Department of Master in Computer Analysis

Analysis of Student Feedback on Curriculum

Academic Year 2019-20

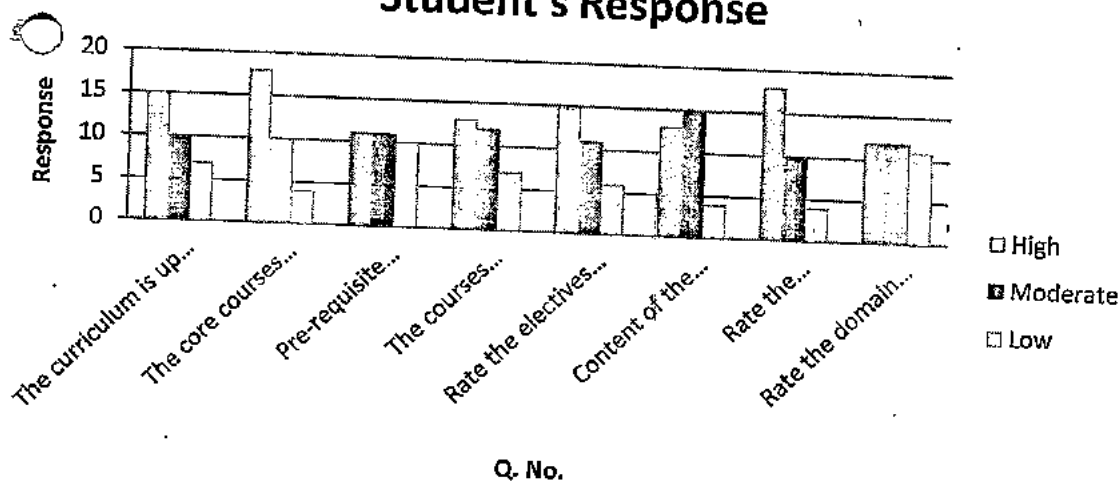
No. of Samples Collected: 32

Date of Analysis 25-07-18

Sr. No.	Particular	High	Moderate	Low	% Feedback
1	The curriculum is up to date and relevant from the point of view of employability	15	10	7	70.00
2	The core courses offer an in-depth exposure to the subject	18	10	4	70.86
3	Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	11	11	10	56.00
4	The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	13	12	7	61.71
5	Rate the electives offered in relation to the technological advancements?	15	11	6	65.14
6	Content of the courses encourages extra learning/ self-learning.	13	15	4	65.14
7	Rate the percentage (Number) of courses having practical components?	18	10	4	70.86
8	Rate the domain used for Designing/ performing the experiments in the laboratory?	12	12	11	61.14

Student feedback Analysis

Student's Response





**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 19-20

**Students Feedback on Curriculum
(Design & Review of Syllabus)**

Rate the Particulars by putting tick mark in appropriate cell.

Sr. No	Particulars	High	Moderate	Poor
1	The curriculum is up to date and relevant from the point of view of employability	✓		
2	The core courses offer an in-depth exposure to the subject	✓		
3	Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	✓		
4	The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	✓		
5	Rate the electives offered in relation to the technological advancements?	✓		
6	Content of the courses encourages extra learning/ self-learning.	✓		
7	Rate the percentage(Number) of courses having practical components?	✓		
8	Rate the domain used for Designing/ performing the experiments in the laboratory?	✓		

Suggestions for further Improvement- (new courses, uncovered topics, obsolete topics, laboratory)

I am satisfied of University paper

Name & Signature of Student: Pajal Dewalkar Pajal

Department: MCA

Year & Semester: 2020 - VI



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 19-20

**Students Feedback on Curriculum
(Design & Review of Syllabus)**

Rate the Particulars by putting tick mark in appropriate cell.

Sr. No	Particulars	High	Moderate	Poor
1	The curriculum is up to date and relevant from the point of view of employability	✓		
2	The core courses offer an in-depth exposure to the subject	✓		
3	Pre-requisite courses/ topics are covered in the curriculum prior to introduction of a course	✓		
4	The courses enhance the analytical/ problem solving/ critical thinking/ innovative skills	✓		
5	Rate the electives offered in relation to the technological advancements?	✓		
6	Content of the courses encourages extra learning/ self-learning.	✓		
7	Rate the percentage(Number) of courses having practical components?	✓		
8	Rate the domain used for Designing/ performing the experiments in the laboratory?	✓		

Suggestions for further Improvement- (new courses, uncovered topics, obsolete topics, laboratory)

No suggestions

Name & Signature of Student: Sakshi Tanna

Department: MCA

Year & Semester: 2020 - VI



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati**
Department of MCA

Session 2019-20

Analysis of Teachers Feedback on Curriculum

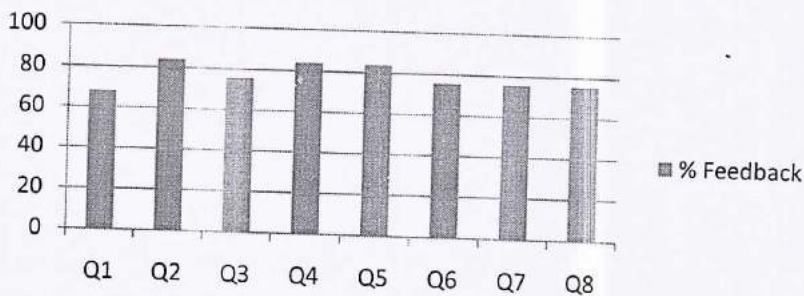
Total No of Sample collected: 5

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Date of Analysis: 20/08/2020

Sr.No	Particulars	% Feedback
1	The learning objectives are clear and appropriate to the program.	68
2	The curriculum and syllabus are well organized and suitable to the program.	84
3	The textbooks/ Reference Books are well suited to the course.	76
4	The system followed by the university for the design and development of curriculum is effective.	84
5	Provision to update curriculum time to time.	84
6	Rate the distribution of contact hours among the course components?	76
7	The curriculum has a good balance between theory and practical.	76
8	Rate the electives offered in relation to the technological advancements?	76

Teacher's Feedback Analysis (%)



Overall observation: Satisfactory

Key suggestions given: No

HOD

Dean Academics

Principal

P. R. Pote (Patil)

College of Engineering & Management
Amravati.

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

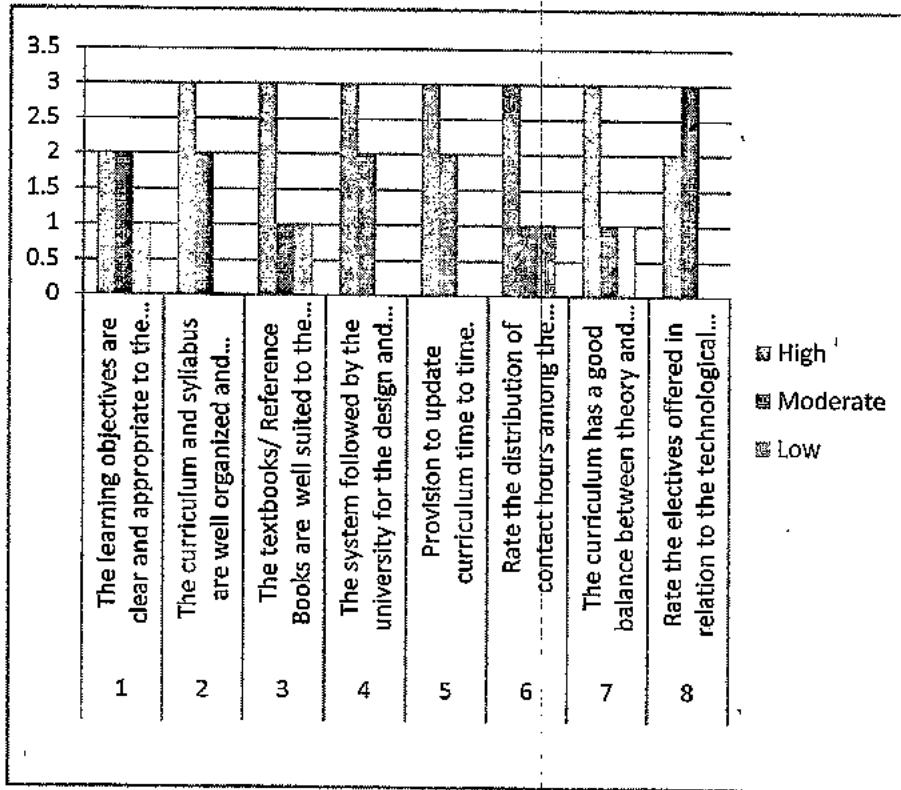
P. R. Pote (Patil) College of Engineering & Management (PRPCEM), Amravati
Department of MCA
Analysis of Teachers Feedback on Curriculum
Academic Year 2019-20

No. of Samples Collected: 5

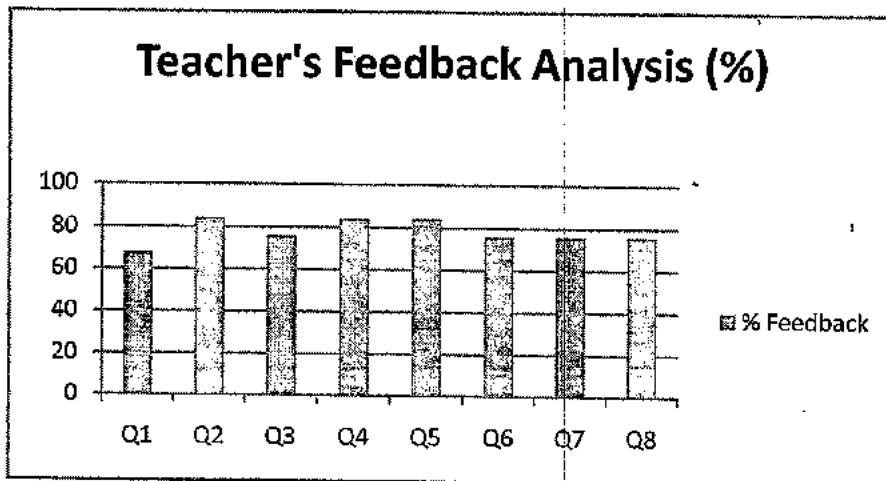
Date of Analysis 20/08/2020

Sr. No	Particular	High	Moderate	Low	Total Percentage
1	The learning objectives are clear and appropriate to the program.	2	2	1	68
2	The curriculum and syllabus are well organized and suitable to the program.	3	2	0	84
3	The textbooks/ Reference Books are well suited to the course.	3	1	1	76
4	The system followed by the university for the design and development of curriculum is effective.	3	2	0	84
5	Provision to update curriculum time to time.	3	2	0	84
6	Rate the distribution of contact hours among the course components?	3	1	1	76
7	The curriculum has a good balance between theory and practical.	3	1	1	76
8	Rate the electives offered in relation to the technological advancements?	2	3	0	76

Teacher's Feedback Analysis



Q.	% Feedback
Q1	68
Q2	84
Q3	76
Q4	84
Q5	84
Q6	76
Q7	76
Q8	76





**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 19-20

Teachers Feedback on Curriculum

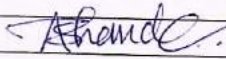
Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	The learning objectives are clear and appropriate to the program.	✓		
2	The curriculum and syllabus are well organized and suitable to the program.	✓		
3	The textbooks/ Reference Books are well suited to the course.	✓		
4	The system followed by the university for the design and development of curriculum is effective.	✓		
5	Provision to update curriculum time to time.		✓	
6	Rate the distribution of contact hours among the course components?		✓	
7	The curriculum has a good balance between theory and practical.	✓		
8	Rate the electives offered in relation to the technological advancements?		✓	

Suggestions for further Improvement-

(new courses, uncovered topics, obsolete topics, laboratory experiments, software etc.)

Satisfying feedback

Name & Signature of Teacher: *Prof. A. S. Bhande* 

Department: *MCA*



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 19-20

Teachers Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	The learning objectives are clear and appropriate to the program.	✓		
2	The curriculum and syllabus are well organized and suitable to the program.	✓		
3	The textbooks/ Reference Books are well suited to the course.	✓		
4	The system followed by the university for the design and development of curriculum is effective.		✓	
5	Provision to update curriculum time to time.		✓	
6	Rate the distribution of contact hours among the course components?	✓		
7	The curriculum has a good balance between theory and practical.	✓		
8	Rate the electives offered in relation to the technological advancements?	✓		

Suggestions for further Improvement-

(new courses, uncovered topics, obsolete topics, laboratory experiments, software etc.)

Should include more practical oriented system.
Need to update programs / practical / electives.

Name & Signature of Teacher: Prof. R.V. Mahule *R.V. Mahule*
Department: CYCA



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
Department of MCA**

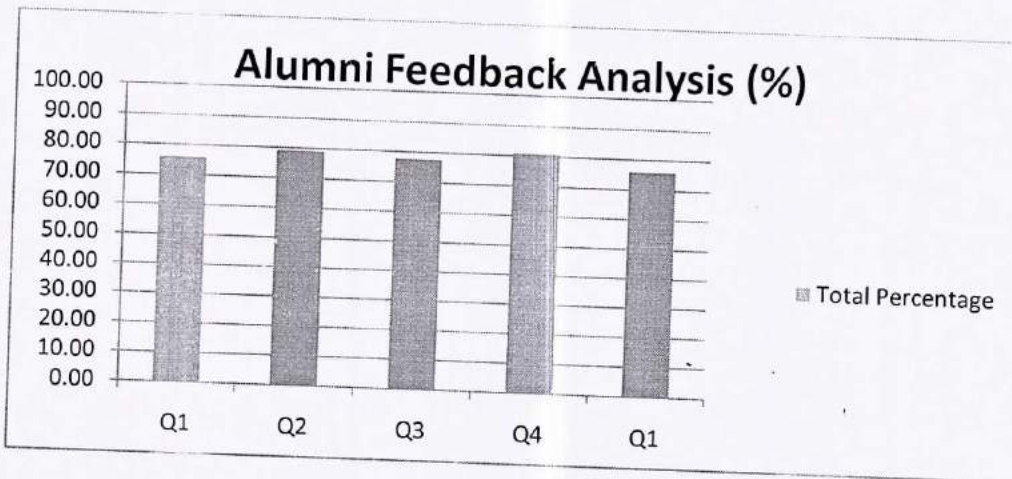
Session- 2019-20

Analysis of Alumni Feedback on Curriculum

Total No of Sample collected: 25


Date of Analysis: 17/09/2020

Sr. No	Particulars	% Feedback
1	Curriculum meets pre-requisite and basic knowledge required for the career.	76.00
2	Use fullness of learning experience in career.	79.20
3	Electives offered in relation to the technological advancements.	77.60
4	The new courses (subjects) Introduced meet contemporary (existing) requirements.	80.80
5	Design of the courses (subjects) encourages/ motivates extra learning or self-learning.	76.00

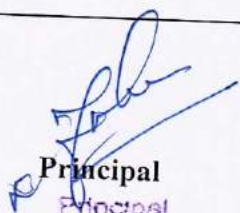


Overall observation: Satisfactory

Key suggestions given: No suggestions


HOD
Lecturer /A.P.
P. R. Pote (Patil) Education & Welfare Trust's
Group of Institutions College of Engg. & Management
Kathora Road, Amravati


Dean Academics


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

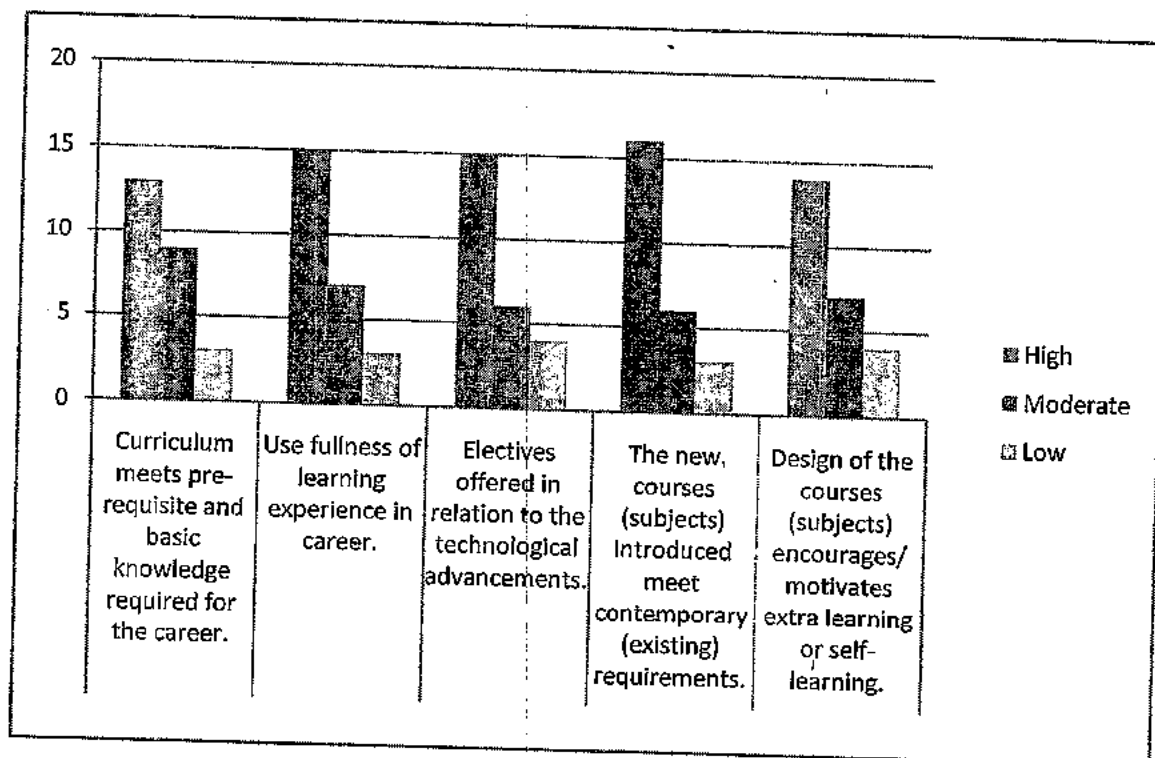
P. R. Pote (Patil) College of Engineering & Management (PRPCEM), Amravati
Department of MCA
Analysis of Alumni Feedback Curriculum
Academic Year 2019-20

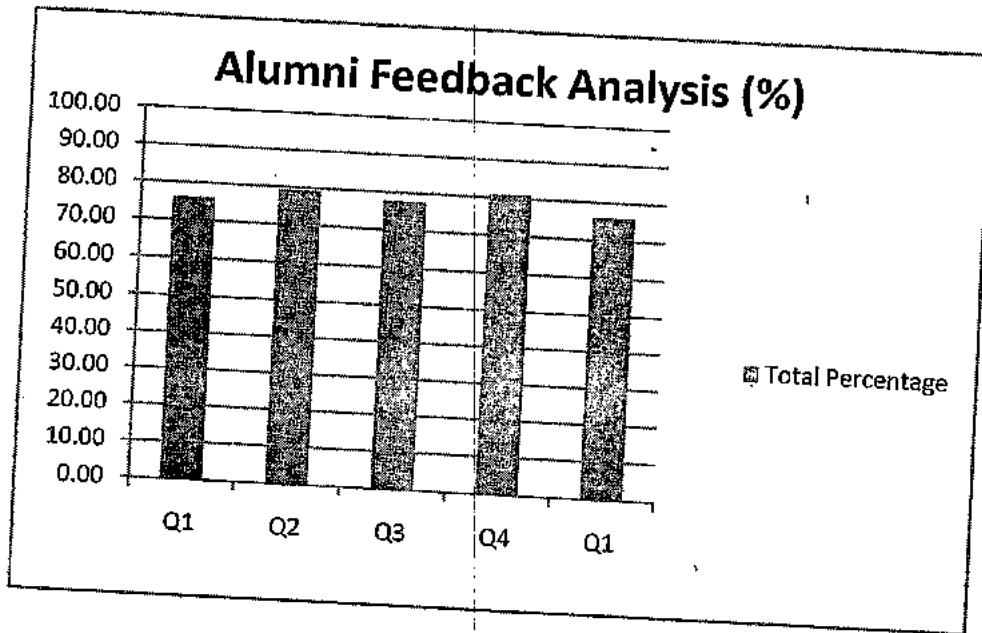
No. of Samples Collected:
 Date of Analysis

25
 17/09/2020

Sr. No	Particular	High	Moderate	Low	Total Percentage
1	Curriculum meets pre-requisite and basic knowledge required for the career.	13	9	3	76.00
2	Use fullness of learning experience in career.	15	7	3	79.20
3	Electives offered in relation to the technological advancements.	15	6	4	77.60
4	The new courses (subjects) Introduced meet contemporary (existing) requirements.	16	6	3	80.80
5	Design of the courses (subjects) encourages/ motivates extra learning or self-learning.	14	7	4	76.00

Alumni Feedback Analysis





Q. NO.	Total Percentage
Q1	76.00
Q2	79.20
Q3	77.60
Q4	80.80
Q1	76.00



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 19-20

Alumni Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	Curriculum meets pre-requisite and basic knowledge required for the career.	✓		
2	Use fullness of learning experience in career.	✓		
3	Electives offered in relation to the technological advancements.	✓		
4	The new courses (subjects) Introduced meet contemporary (existing) requirements.	✓		
5	Design of the courses (subjects) encourages/ motivates extra learning or self-learning.	✓		

Suggestions for further Improvement-

No suggestion.

Name & Signature of Alumni: Mohasin Partham

M. Partham

Department: M.C.A.

Details of Employment: Case Point Pvt Ltd., software developer



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 19-20

Alumni Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	Curriculum meets pre-requisite and basic knowledge required for the career.		✓	
2	Use fullness of learning experience in career.	✓		
3	Electives offered in relation to the technological advancements.	✓		
4	The new courses (subjects) Introduced meet contemporary (existing) requirements.	✓		
5	Design of the courses (subjects) encourages/ motivates extra learning or self-learning.	✓		

Suggestions for further Improvement-

satisfactory response

Name & Signature of Alumni: Aleha Bagheria *albagheria*
Department: Moloto
Details of Employment: IBase electrosft LLP, Prainee



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati**
Department of MCA

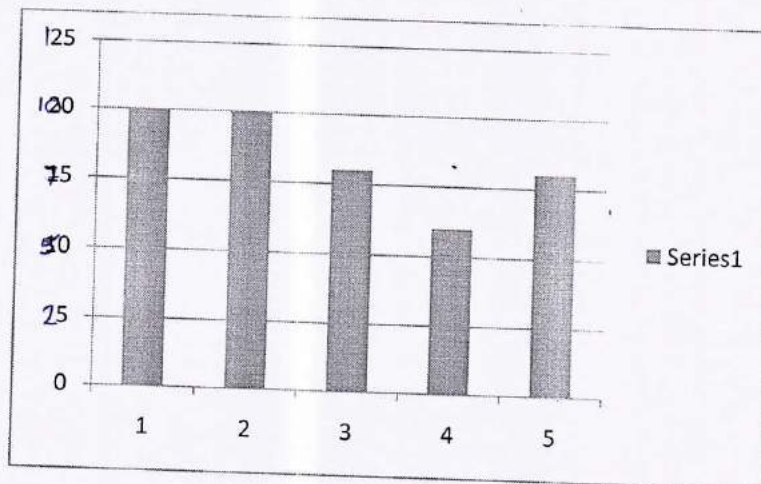
Session: 2019-20

Analysis of Employers Feedback on Curriculum
(Design & Review of Syllabus)

Total No of Sample collected: 2

Date of Analysis: 12-06-20

Sr.No	Particulars	% Feedback
1	The curriculum prepares the graduate to deliver technical services as per industry requirements.	100
2	The graduate has an in-depth exposure to the core courses	100
3	The graduates have adequate practical exposure for undertaking real time projects	100
4	The graduates have necessary soft skills and are successful team players.	50
5	The graduates are capable of continuously upgrading their skill set to meet the industry demands from time to time.	50



Overall observation: Satisfactory in all aspects.

Key suggestions given: No.

HOD

Lecturer /A.P.

P. R. Pote (Patil) Education & Welfare Trust's
Group of Institutions College of Engr. & Management
Kathora Rd. 2, Amravati

Dean Academics

6

Principal

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

P. R. Pote (Patil) College of Engineering & Management (PRPCEM), Amravati
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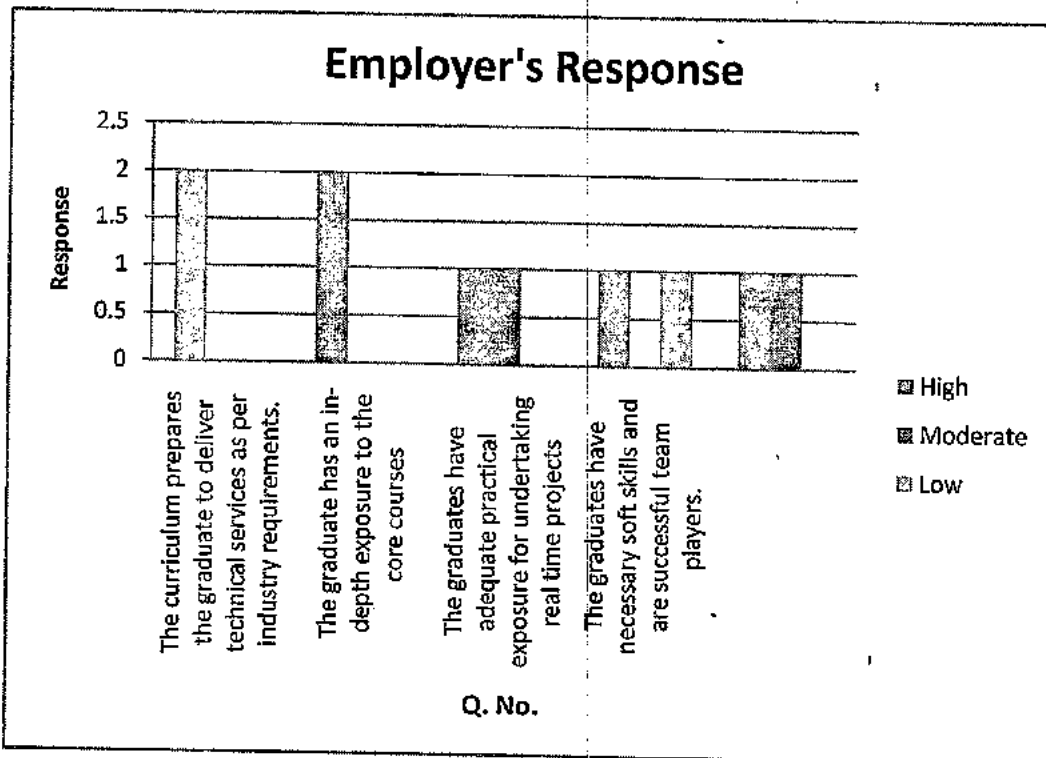
Analysis of Feedback for Parent on Curriculum
Academic Year 2019-20

No. of Samples Collected: 2

Date of Analysis 12-06-20

Sr. No	Particular	High	Moderate	Low	Total Percentage
1	The curriculum prepares the graduate to deliver technical services as per industry requirements.	2	0	0	100
2	The graduate has an in-depth exposure to the core courses	2	0	0	100
3	The graduates have adequate practical exposure for undertaking real time projects	2	0	0	100
4	The graduates have necessary soft skills and are successful team players.	1	0	0	50
5	The graduates are capable of continuously upgrading their skill set to meet the industry demands from time to time.	1	1	0	50

Employer's Feedback Analysis





**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 2019-20

Employer Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	The curriculum prepares the graduate to deliver technical services as per industry requirements.	✓		
2	The graduate has an in-depth exposure to the core courses	✓		
3	The graduates have adequate practical exposure for undertaking real time projects	✓		
4	The graduates have necessary soft skills and are successful team players.	✓		
5	The graduates are capable of continuously upgrading their skill set to meet the industry demands from time to time.	✓		

Suggestions for further Improvement-

No —

Name & Signature of the Employer: M. R. Dnyush Hande *M. R. Hande*
Designation: Founder & CEO
Name of Company: Masthb Solutions Pvt. Ltd.
Feedback pertaining to Employee (Name of Employee: Ms. Roshani Malik)



**P. R. Pote (Patil) College of Engineering & Management
(PRPCEM), Amravati
IQAC Cell**

Session 2019-20

Employer Feedback on Curriculum

Rate the Particulars by putting tick mark in appropriate cell.

Sr.No	Particulars	High	Moderate	Poor
1	The curriculum prepares the graduate to deliver technical services as per industry requirements.	✓		
2	The graduate has an in-depth exposure to the core courses	✓		
3	The graduates have adequate practical exposure for undertaking real time projects	✓		
4	The graduates have necessary soft skills and are successful team players.	✓		
5	The graduates are capable of continuously upgrading their skill set to meet the industry demands from time to time.	✓		

Suggestions for further Improvement-

No -

Name & Signature of the Employer: <u>Ms. Sagar Sitewar</u> <i>ssitewar</i>
Designation: <u>HR</u>
Name of Company: <u>ICEICO Technologies Pvt. Ltd.</u>
Feedback pertaining to Employee (Name of Employee: <u>Ms. Kirti Chhangari</u>)

NAAC Criteria-1

AQAR 2019 - 20

List of Supporting Documents

Item No.	Content
1.4.2	How the feedback obtained is being analyzed and utilized for overall development of the institution

1.4.2

Feedback Process followed by the Departments

Institute has a mechanism of obtaining feedback from students and stakeholders on curriculum. The institute takes regular feedback from industry, alumni, students, and parents.

The feedback from the students regarding the faculty, facilities and other entities are taken once in a semester.

The feedback from the students regarding faculty, facilities and other entities are taken at the end of semester. Detail analysis of this feedback is carried out. Also faculty collects the feedback and problems of students during counseling meetings. They report it to HOD. HoDs and Vice Principal convey this information to the Principal. In the meeting of the Principal with the management, this information is discussed. Based on these discussions, activities are revised. Periodic meetings with alumni, parents, students and staff ensure that all the stakeholders are aware of the college activities.

Feedback from other stakeholders i.e. alumni, parents, employer is collected once in a year. Analysis of this feedback is carried out. Based on received feedback, the Institution takes corrective measures to improve its performance. The comments of stakeholders are also communicated to University authorities through workshops, meeting of Dean, Vice Chancellor, and officers of Academic Council. The faculty who is involved in curriculum development gives the feedback to the core group formed by the University.


Head of Department

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


Principal

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