



## Metric No. 2.3.1

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**Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences using ICT tools**



**2.3.1 Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences using ICT tools**

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Sr.No	Description
1	Student centric methods, such as experiential learning, participative learning and problem-solving methodologies
2	Teachers use ICT enabled tools for effective teaching-learning process



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



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

Institute Code : 1107

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- Ph. No. : +91-721-2970110, Fax No. : +91-721-2530089, Email : prpotepatilcollege@gmail.com
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**Student centric methods, such as experiential learning, participative learning and problem-solving methodologies**

## INDEX

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7	Copy of Latest development in the Subject area
8	Copy of Industrial training/Internship and Industrial Field visits
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11	Copy of Technical Professional Bodies activities



  
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Amravati



## **Student Centric Learning Policy (Policy and Guidelines)**

### **Preamble**

The term student-centered learning refers to a wide variety of educational programs, learning experiences, instructional approaches, and academic-support strategies that are intended to address the distinct learning needs, interests, aspirations, or cultural backgrounds of individual students and groups of students. To accomplish this goal, Institutes, teachers, guidance counselors, and other educational specialists may employ a wide variety of educational methods, from modifying assignments and instructional strategies in the classroom to entirely redesigning the ways in which students are grouped and taught in an educational Institute.

Educational institutions have long focused on disbursing education and knowledge through a one-size-fits-all approach. Even though these standardized models of learning did simplify things for the institutions and teachers, it is now being recognized that they offered limited benefits to students. The traditional methods of learning place the teacher in a pivotal role as the primary source of knowledge. The entire process of education revolves around the teacher disbursing information in the form of class lessons and then testing the students' grasp on these through quizzes and tests. In recent years, especially with e-learning gaining momentum, there has been a clear drift towards a student-centric model of education. This is particularly true of higher education where program development is focused on addressing the needs of the students over the convenience of educational institutions or the faculty members.

A growing body of research suggests that overall student achievement is likely to increase when students are able to learn at their own pace with a variety of teaching styles and formats available to them. Personalizing students' education enables them to access a unique learning experience based upon their individual needs, rather than receiving instruction through a standard, paced curriculum. In its ideal form, the needs of students are put first.

P. R. Pote (Patil) Welfare Trust's College of Engineering & Management (PRPCEM), Amravati is committed to ensure the holistic development of the students through a student-centric learning process and suitable curriculum design.

### **Rationale for Student Centric methods of learning**

The key difference between a teacher-centric and student-centric model of education is that the former is summative while the latter is formative. A student-focused model of learning has some obvious benefits. The foremost being that this form of education addresses the individual needs and goals of every student. Some of the other benefits that have placed student-centric models at the heart of college course development include:



**Faster Learning:** Research indicates that studying course materials that address individual needs help students grasp knowledge at a faster rate and improve retention.

**Higher Engagement:** Unlike the preceding generations, the youth today has grown up in an era of computers, internet and smart phones. This inherently tech-savvy generation finds it easier to engage in online learning modules developed with their individual needs in mind rather than a one-size-fits-all classroom environment.

**Value Addition in Educational Content:** This approach also creates an opportunity for dynamic college course development with room to improve and tweak the educational material on a need basis. A student-centric model is indeed the key that makes online learning optimally effective.

**Blended Learning Environment:** Student-centric course development, especially in higher education, does not remove teachers from the equation. Instead, it changes their role from disseminators of knowledge to guides that can help students improve their grasp of different concepts and steer their learning in the right direction.

### **Advantages and disadvantages of student centric methods**

#### **Advantages**

- Students develop learning and other skills and gain meaningful knowledge that will help them throughout life.
- It can help to build social skills and self-esteem.
- Students gain more emotional and cognitive support from their peers.
- The relationship between rights and responsibilities is learned.
- Students discover that learning is interesting and fun.
- Teachers have less traditional work to do.
- Students are more attentive and willing to participate in the class.
- Complaints about irrelevance and unfairness decrease.
- Reports and papers generated by students increase a teacher's collection of useful information.
- The pupil has more of an active role to play in their learning.
- Students can adapt the way they learn, to make their studies more effective.
- The ideal situation for this type of group work is that weaker students should be placed with more able students to act as scaffolding.
- Students work on projects or problems in teams with both personal and team accountability for conceptual understanding.
- Students work together in achieving goals by upholding the norms of the group.
- Students are actively helping and motivating spirit to succeed together.
- Active role as peer tutors to further enhance the group's success.
- Interaction between students with increasing their ability to argue.

#### **Disadvantage**

- It requires a longer time for students, so it is difficult to achieve curriculum targets.
- Take a long time for teachers so that teachers in general do not want to use cooperative learning.
- It requires special skills of teachers so that not all teachers can do or use of cooperative learning.





- Specific nature of student demands, such as the nature likes to work together.

### **The conceptual framework for Student Centric Learning**

The Institute believe in the following design principles for student-centered learning:

- **Learning is Personalized:** Personalized learning recognizes that students engage in different ways and in different places. Students benefit from individually paced, targeted learning tasks that formatively assess existing skills and knowledge and that address the student's needs and interests.
- **Learning is Competency-Based:** Students move ahead when they have demonstrated mastery of content, not when they have undergone the required hours in a classroom.
- **Learning Happens Anytime, anywhere:** Learning takes place beyond the traditional lecture day and even the session. The Institute's walls are permeable—learning is not restricted to the classroom.
- **Students Take Ownership Over Their Learning:** Student-centered learning engages students in their own success and incorporates their interests and skills into the learning process. Students support one another's progress and celebrate success.

### **The Instructor/Professor's Roles in "Student Centered" Education**

#### **Role 1. Modeling thinking/processing skills.**

one of the most important actions a teacher must take to facilitate the shift from teacher-centered to student-centered is to verbally (externally) process how one thinks, what one does, how one hears or makes sense of new material, and how one searches for a solution(s) to problems posed. Students cannot read our minds, do not know our worldly experiences, and have no idea of our struggles as learners unless we share this information with them. Following are the roles

- Model thinking/processing skills.
- Know where you want your students to be cognitive.
- Develop questions that facilitate student exploration/growth.
- Use visual tools to assist students in "seeing" how information can be connected and teach them to use these tools.
- Provide group-learning settings.
- Use analogies and metaphors.
- Provide a non-threatening "no risk" mechanism for indirect dialogue between teacher and student(s).

#### **Role 2. Knowing where you want your students to be cognitively.**

In Bloom's taxonomy of educational objectives, thinking proceeds from the lower levels (knowledge and comprehension) to the highest levels (synthesis and evaluation). Whatever the model chosen, two important points must be made. First, the teacher should be aware of the level of thinking required by students during lectures, quizzes, tests, homework, etc. Secondly, much more than simply being aware, the teacher should share these ideas with the students. A discussion as to the reason(s) why design problems are often dauntingly difficult and seemingly different (i.e., they encompass



higher levels of thinking) can truly make a difference in a student's commitment to the course work.

### **Role 3. Developing questions that facilitate student exploration/growth.**

Questioning techniques and their importance in developing a student-centered classroom are describe the questioning processes in terms of the following four categories: (1) gathering information, (2) sorting through the information, (3) organizing the information, and finally (4) interpreting, inferring, or predicting. A student-centered teacher would select questions from the category that most closely fits the desired educational directive. The questions should force the student(s) to indicate what is being learned.

### **Role 4. Using visual tools to assist students in “seeing” how information can be connected and teaching them to use these tools.**

The visual and ICT tool share to be most useful in transforming them towards student-centered classroom (mind maps). The construction of mind maps illustrates the point that learning is a process, not an end product. New information must be sorted through and clustered into categories that either demonstrate relationships and/or connections or demonstrate that such relationships/connections do not (yet) exist. State-of-the-art presentation graphics will be an essential component of the new classroom model.

### **Role 5. Providing group-learning settings.**

The peer-learning is more effective than other forms of learning environments. It provides critical features for group learning: positive interdependence (i.e., all members of a group feel a sense of responsibility for their teammates), individual accountability, appropriateness of the assignment, teacher performs as facilitator, explicit attention to social skills, and emphasis on face-to-face problem solving. Group-learning settings must include plentiful opportunities for involvement (quantity), the more students involved the better (extent) and extensive rather than superficial student participation (depth).

### **Role 6. Using analogies and metaphors.**

In a student-centered model, the goal would be to nurture students toward devising their own metaphors to describe new concepts that they have encountered.

### **Role 7. Providing a non-threatening “no-risk” mechanism for indirect dialogue between teacher and student(s).**

Teacher should provide the “no-risk” environment centers upon the use of a “discovery sheet.” Students must have a sense that you as a teacher do want to hear their opinions and that you are willing to address their concerns. The mere exchange of ideas, thoughts, and feelings can transform the classroom environment from one of indifference, to one with a sense of community, a place where a set of individuals come together for a journey into the unknown.

### **Methods and procedure adopted:**

There is a broad spectrum of approaches, which include

- Active Learning
- Collaborative Learning (involves groups of students working together to solve a



problem, complete a task, or create a product)

- Inquiry-based Learning (Inquiry implies involvement that leads to understanding. Furthermore, involvement in learning implies possessing skills and attitudes that permit you to seek resolutions to questions and issues while you construct new knowledge)
- Cooperative Learning (Cooperation is working together to accomplish shared goals.)
- Problem-based Learning
- Peer Led Team Learning
- Team-based Learning
- Peer Instruction
- Inquiry Guided Learning
- Just-in-Time Teaching
- Small Group Learning
- Project-based Learning
- Question-directed Instruction

**The Department should adopt the following strategies in varying degrees to make learning more students-centric and ensure the holistic development of the students:**

**Summer internship** - An internship is the best way to translate the classroom knowledge into practice. By doing an internship, the students will gain experience, learn new skills, add value and earn real experience for their career prospects. An internship allows a student to:

- Expand the knowledge and understanding of the fields;
- Contact the network professionals and administrators in the fields; and
- Gain hands on training and professional experience.

**Student Training-** The main objective of this training programme is to give optimum exposure to the practical side of domain and Industry.

**Industry visits** – it is a part of the Education, during which students visit companies and get insight into the internal working environment of the company. It also sensitizes students to the practical challenges that organization face in the business world. Moreover, it gives exposure to the practical working environment, which increases functional awareness of the various Industrial sectors; acquaint students with Interesting facts and breath-taking technologies. In addition to industrial exposure and knowledge, this will increase the internship and placement opportunities. Industrial realities are opened to the students through their industrial visits.

**Case studies** – it is a powerful student-centered teaching strategy that can impart students with critical thinking, communication, and interpersonal skills. Besides lectures, case study methods are also employed to ensure the active involvement of the students in the teaching-learning process. Case method is also an effective tool in understanding real world with professional skills. Working on case studies requires good organizational and time management skills. It increases student proficiency with written and oral communication, as well as collaboration and team-work.





**Projects and Field practicum** - The best way to master a subject is by doing projects. Through a project the students not only get a deeper understanding of the subject but also gain hands-on practical experience. By doing a project, the students will

- Understand their subject better
- Get practical experience
- Have a chance to showcase their skills
- Learn teamwork, communication skills and responsibilities

**Guest Lectures, Seminar & Workshops** -As part of academic development, associations of all the departments arrange guest lectures and seminars throughout the year on topics of core subjects, Career oriented lectures, recent technologies and research areas periodically. Through the association, the students are encouraged to attend seminars and present papers organized by other reputed institutions. In addition to that supporting centers of the Institution extend their activities in providing / arranging guest lectures, seminars and workshops.

**Exhibitions**- The participative learning can be adopted at Institute through conducting student exhibitions. It refers to projects, presentations, or products through which students “exhibit” what they have learned. An exhibition is typically both a learning experience in itself and a means of evaluating academic progress and achievement.

**Competitions**- Competitions play a role in motivating students to perform and excel and offer a lot more reward than just the winning prize. Students get a chance to gain substantial experience, showcase their skills, analyze and evaluate the outcomes and uncover personal aptitude. They also encourage students to adopt innovative techniques and develop their ideas and skills.

**‘Hackathon’ live video session of MHRD, an initiative of AICTE** - The Smart India Hackathon is a promoted innovation, out-of-the-box thinking in young minds. It is focused on the problems of social importance as identified by 29 Ministries/Departments of Government of India. Leadership talks are broadcast through Facebook Live session. Orientation and awareness programs have been conducted by AICTE in 26 different cities to motivate students. Department should encourage students to participate in live video sessions and gain the subject knowledge.

**Student Professional Chapters**- (IEEE/CSI/IETE) – Programs organised by the Students in various professional Chapters in the department.

**NPTEL, SWAYAM Online courses and NDL Registration**- Online learning has to be the greatest revolution in contemporary education system. It has made a huge change in the system and opened great opportunities for everyone who wants to learn something very innovative. Department should guide the students to enrol in the courses offered by NPTEL, Spoken tutorials, SWAYAM etc,

**Club activities** – Department should encourage students to participate in co-curricular and extracurricular activities through the various clubs at Department. Beyond the classroom experience students should be identified and supported to explore and pursue a passion or develop a new interest in their unique journey. Club activities can



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supplement student academics and give them practical training which they require in their day-to-day life and enhance their talents.

**Soft Skill/Capability Enhancement Training Program** –Department trains students for skill development. These training programs help students to prepare towards career development and also in their higher studies.

**Assessment and Feedback & Action Taken**

Department should develop assessment tools for each activity conducted in the department as well as feedback of the students related to perceptions and practices of student centered learning in the Department: Alignment or gap? need to be conducted to exactly mapped the impacts of the activities. Feedback should be analysed. A report containing with all to be submitted to the Dean (Academics) & IQAC. Dean (Academics) & IQAC devise the measures as action taken to improve the student centric learning activities in the department or in the Institution.

(Dr. S. B. Warkad)  
IQAC Coordinator



P. R. Pote Patil  
College of Engineering & Management  
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(Dr. A. V. Kale)  
IQAC Chairperson



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**Experiential Learning:** The institution offers experiential learning for students with the following approaches-

**1] Laboratory Sessions:** Laboratory sessions are conducted for better understanding of the theoretical concepts.



Department of EE Students of Third Year performing experiments in “**Electrical Machines Lab**” in the AY 2021-22 Semester VI.



Department of EXTC Students of Second Year performing experiments in “**Analog & Digital Circuit Lab**” in the AY 2018-19 Semester VI.





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Department of Applied Science & Humanities Students of First Year performing experiments in **“Physics Lab”** in the AY 2017-18 Semester I



Department of Applied Science & Humanities Students of First Year performing experiments in **“Engineering Mechanics Lab”** in the AY 2018-19 Semester I





- Department of Mechanical Engineering provided practical video lectures links to the students for the session 2020-21 for better understanding the practical concept.

## Recorded Practical's of Various Subjects

Sr. No.	Name of Subject	Link
1	Energy Conversion-II	<a href="https://www.youtube.com/watch?v=myUwJy5RkGE">https://www.youtube.com/watch?v=myUwJy5RkGE</a>
2	Energy Conversion-II	<a href="https://www.youtube.com/watch?v=-oK-lzCQFxFU">https://www.youtube.com/watch?v=-oK-lzCQFxFU</a>
3	Energy Conversion-II	<a href="https://www.youtube.com/watch?v=-YisbjbthOg">https://www.youtube.com/watch?v=-YisbjbthOg</a>
4	Refrigeration and Air Conditioning	<a href="https://www.youtube.com/watch?v=-YisbjbthOg">https://www.youtube.com/watch?v=-YisbjbthOg</a>
5	Theory of Machine-II	<a href="https://youtube/dEjnicXOWXM">https://youtube/dEjnicXOWXM</a>
6	Theory of Machine-II	<a href="https://youtube/QQIs_iIDeR8">https://youtube/QQIs_iIDeR8</a>
7	Theory of Machine-II	<a href="https://youtube/1aovBSch-R0">https://youtube/1aovBSch-R0</a>
8	Automation Engg	<a href="https://youtube/l4JAj-RSj3U">https://youtube/l4JAj-RSj3U</a>
9	Automation Engg	<a href="https://youtube/PMwDIqEYy88">https://youtube/PMwDIqEYy88</a>
10	Automation Engg	<a href="https://youtube/ln1EYx4Zqyk">https://youtube/ln1EYx4Zqyk</a>
11	Automation Engg	<a href="https://youtube/4NUMs_XB_XY">https://youtube/4NUMs_XB_XY</a>

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- Laboratory Manual Copy of Computer Department for the session 2021-22

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



**COMPUTER SCIENCE AND ENGINEERING**

Year: Final Semester: 7th

**SUBJECT: Design & Analysis Of Algorithm Lab**

**NAME OF LABORATORY: DAA Lab**

**P. R. Pote (Patil) College of Engineering & Management, Amravati**  
**Department of Computer Science & Engineering**

Name of the Program: B. E. CSE Engineering	Academic Year: -2021-22
Class: Final	Semester: 7 <sup>th</sup>
Section: A, B & C	Course Code: TK507
Course/Subject: Design & Analysis of Algorithm Lab	Course Owner: Prof. K. S. Bijwe

SN	List of Practical's
1	Write a program to calculate factorial of number without recursion.
2	Write a program to print Fibonacci Series with recursion.
3	Write a program to implement Binary search using Divide & Conquer approach.
4	Write a program to implement Merge Sort.
5	Write a program to implement Strassen's Multiplication of 2*2 matrices.
6	Write a program to implement Knapsack algorithm.
7	Write a program to implement Kruskal's algorithm.
8	Write a program to implement Prim's algorithm.

1

  
(HoD CSE)



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**Participative Learning:** The Institution focus on students for active involvement by independently and interdependently by collaborative learning methods

## Department of Electrical Engineering

### Students Paper Publication in Journal/Conferences (2021-22)

Name of Students	Title of Paper	Title of the Journal	Paper Link
Hariti Raut & Group	Intelligent Highway Utilizing Green Energy	International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 4, Issue 05, May 2022, e-ISSN: 2582-5208, 03/05/2022	<a href="https://www.irjme.com/uploadedfiles/paper/issue_5_may_2022/21989/financial/irjmets1651563617.pdf">https://www.irjme.com/uploadedfiles/paper/issue_5_may_2022/21989/financial/irjmets1651563617.pdf</a>
Aakash Mondhe & Group	Fault Detection In Distribution Line	International Journal of Research and Analytical Reviews (IJRAR), UGC Approved - Journal No : 43602 & 7.17 Impact Factor Volume 9 Issue 2 May 2022, Date of Publication: 05-May-2022	<a href="http://www.ijrar.org/papers/IJAR22B2021.pdf">http://www.ijrar.org/papers/IJAR22B2021.pdf</a>



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Tarika Kale & Group	UV-C SANITIZATION BAG AND NON- CONTACT THERMOMETER	UGC Approved - Journal No : 43602 & 7.17 Impact Factor, Volume 9 Issue 2 May 2022, Date of Publication: 08-May- 2022	<a href="http://www.ijrar.org/papers/IJRAR22B1948">http://www.ijrar.org/ papers/IJRAR22B19 48</a>
Roshan M. Chopkar , Harshal M. Ingle, Yash S. Thakur, Gaurav G. Gujar, Devanand G. Nanote	Solar Street Light with Auto Intensity	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 11, Issue 5, May 2022	<a href="https://www.ijirset.com/upload/2022/may/176_Solar_NC1.pdf">https://www.ijirset .com/upload/2022 /may/176 Solar N C1.pdf</a>
Pawan B. Ingle, Sumit B. Patkar, Shilvant D. Hatole, Kashyap P. Bodile	Power Generation from Waste Heat by Thermo- Electric Generator	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 11, Issue 5, May 2022	<a href="https://www.ijirset.com/upload/2022/may/150_Research_NC1.pdf">https://www.ijirset .com/upload/2022 /may/150 Researc h NC1.pdf</a>
Sham Rathod & group	Wireless Light Control System	International Journal of Scientific Research in Engineering and Management (IJSREM)	<a href="https://ijsrem.com/download/wireless-light-control-system/">https://ijsrem.com/ download/wireless- light-control- system/</a>
Ratnadep Somwanshi & Group	SOLAR OPERATED FARM PROTECTION DEVICE	International Journal of Scientific Research in Engineering and Management (IJSREM)	<a href="https://ijsrem.com/download/solar-operated-farm-protection-device/">https://ijsrem.com /download/solar- operated-farm- protection-device/</a>





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Rushikesh Ingole & Group	Light Fidelity Technology Audio Transmission Through Visible Light	International Journal of Research and Analytical Reviews (IJRAR) May 2022, Volume 9, Issue 2, E-ISSN 2348-1269, P- ISSN 2349-5138	<a href="http://www.ijrar.org/papers/IJAR22B1855">http://www.ijrar.org/papers/IJAR22B1855</a>
Tejas Kale & Group	IOT Based Biometric Attendance System	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 06 Issue: 05, ISSN: 2582-3930.	<a href="https://ijsrem.com/download/iot-based-biometric-attendance-system/">https://ijsrem.com/download/iot-based-biometric-attendance-system/</a>
Vaibhav Malokar & Group	Solar Power Battery Charger	International Journal of Research and Analytical Reviews (IJRAR), Volume 9 Issue 2 May 2022, e-ISSN: 2582-5208	<a href="https://www.ijrar.org/papers/IJAR22B2582.pdf">https://www.ijrar.org/papers/IJAR22B2582.pdf</a>

  
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## Students Paper Publication in Journal/Conferences (2020-21)

Title of Paper	Name of Authors	Title of the Journal	Paper Link
Power quality analyzing and fault detection unit	Karan Ahir Ashutosh gulaxe Himanshu Paliwal Pawan Pokale Anurag bisne	International Research Journal Of Modernization In Engineering Technology And Science, (IRJMETS), Volume 3, Issue 5, May 2021.	<a href="#">CLICK HERE</a>
Simulation of Hybrid Electric Vehicle Battery by using MATLAB Simulink	Mohit Mehare Prasad Raut Kartiket Kadu Vishal Bagade Manali Waghde	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)   e-ISSN: 2319-8753, p-ISSN: 2320-6710	<a href="#">CLICK HERE</a>
Smart Agriculture System using IoT	Sujay Anil Bobade Komal Suresh Chavhan Chaitali Panditrao Raut Vishakha Sanjay Atkare Mrunal Sanjay Sadawarte Sujay Anil Bobade Sagar Devidas Jadhao	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)   e-ISSN: 2319-8753, p-ISSN: 2320-6710	<a href="#">CLICK HERE</a>
Health Surveillance System Utilizing Iot & Raspberry Pi	Mrunali Darvinrao Charde Diksha Uttamrao Waykud Shamali Vinodrao Mavande Sweety Kiran Kasdekar. Samiksha Tevendrarao Deshmukh Pranay Prabhakar	International Research Journal Of Modernization In Engineering Technology And Science, (IRJMETS), e-ISSN: 2582-5208	<a href="#">CLICK HERE</a>
Parks-Hilbert Transforms Statistical Parameters Approach To Classify Ann Network	Abhishek Charthal Sanjana Kushawaha Sayali Kale Rajeshree Thakare Rutik Shisthe	International Research Journal Of Modernization In Engineering Technology And Science, (IRJMETS), e-ISSN: 2582-5208.	<a href="#">CLICK HERE</a>
Intelligence Ambulance – Traffic Management System A Review Article	Manjiri Kalambe Pragati Babade Ayushree Wankhade Ragni Atram Avantika Kale	International Research Journal Of Modernization In Engineering Technology And Science, (IRJMETS), e-ISSN: 2582-5208	<a href="#">CLICK HERE</a>



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“IOT Based Smart Energy Meter for Domestic Use”	Devanshu gayki Moresh sambhare Pallavi manne Shrushti isokar Nikita Mungane	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), (ISSN: 2319-8753)	<a href="#">CLICK HERE</a>
“Automation of E-Wheelchair for Physically Challenged People”	Monali Mundane Nayan Garade Vaishnavi Pawar Vaishnavi Shete Ujwal Shende	International Journal of Innovative Research in Technology (IJIRT), (ISSN: 2349-6002), (UGC Approved).	<a href="#">CLICK HERE</a>
Mutual Inductance In Wireless Charging For E-MOBILITY	Avanti Deepak Deshpande Mayur Jadhao Pranay Aharwar Darshan Gupta Monali Tayade	International Research Journal of Modernization in Engineering Technology and Science, e-ISSN: 2582-5208	<a href="#">CLICK HERE</a>
A Smart Helmet For Improving Safety in Mining Industry	Babasaheb Jadhav Ashish lagad Shubham katore Vaibhav bhagwat Akash Jaybhaye Rushikesh Chore	International Journal of Advance Research (IJAREEIE), (ISSN: 2278-8875)	<a href="#">CLICK HERE</a>
To Study Acoustic Tractor Beam	Rutik Pnditrao Bijwe Deep Sanjay Kale Chand Rajendra Gedam Rushikesh kishor pardhi Vaibhav Subhash	International Journal of Innovative Research in science, Engineering and Technology (IJIRSET), (e-ISSN : 2319-8753),(p-ISSN: 2320-6710)	<a href="#">CLICK HERE</a>
Home Automation using IoT	Yugant Chikte Vinay Uike Ankit Tayade Rushikesh Pimpalkar Bhushan Taywad	International Journal of Advanced research in Electrical, Electronics and Instrumentation Engineering (e-ISSN: 2278-8875), (p-ISSN:2320-3765)	<a href="#">CLICK HERE</a>
A Review on Hydrogen Fuel Cell Based Electric Vehicle	Sakshi Hirulkar Kanchan Gailwad Pooja Indhane Kalyani Ingle Akash Sundarkar	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)  e-ISSN: 2319-8753, p-ISSN: 2320-6710  DOI:10.15680/IJIRSET.2021.1005015	<a href="#">CLICK HERE</a>



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Parameter Estimation of Single-Phase Induction Motor	Rachana Jambhalikar Dhanashree Sonparote Devendra Lawhale Pravin Solanke Akash Anil Mohod	International Journal of Scientific Research in Science and Technology, Print ISSN: 2395-6011   Online ISSN: 2395-602X (www.ijsrst.com), doi : https://doi.org/10.32628/IJS RST, Publication Issue March-April-2021	<a href="#">CLICK HERE</a>
IoT Enabled Solar Power Monitoring System	Shrirang Futane Rishikesh Dambale Nikhil Bhawe Vaibhav Chaware	IJIRSET, e-ISSN: 2319-8753	<a href="#">CLICK HERE</a>
GAS LEAKAGE DETECTOR AND CONTROL SYSTEM USING GSM MODULE	Bhavana Devidas Budhe Neha Ravindra Lonare Vaishnavi Prakashrao Lothe Nikhil Dipakrao Sarode Shubham Vijayrao Thakare Shubham Tryambakrao Ranotkar	International Journal of Scientific Research in Engineering and Management (IJSREM)   June - 2021 ISSN: 2582-3930	<a href="#">CLICK HERE</a>
Models and Technology Used in Smart Grid	Mansi.G.Kulkarni Sanjana.V.Bhawane Neha.F.Rathod Ankita.Kasdekar Aishawarya.D.M	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	<a href="#">CLICK HERE</a>
Smart Waste Management Monitoring System	Prashik khobragade Utkarsha Gedam Arpit Bhannare Chandrakanr Kakde	Journal of Current Trends in Electrical Engineering, ManTech Publications.	<a href="#">CLICK HERE</a>
Heartbeat and Temperature Monitoring System for Remote Patients using Arduino	Rupali Onkar Warade Vaishnavi Rameshwar Pandit Prjwal Tulshidasrao Kale Prathmesh Pramodrao Thakare	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	<a href="#">CLICK HERE</a>
Automatic Accident Detection, Ambulance Rescue and Traffic Signal Controller	Swapnil Tumbwad Vaibhav Hiwase Sanchay Solanke Nikhil Pindurkar Pooja Kopare	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	<a href="#">CLICK HERE</a>

*[Signature]*  
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## Assignments

Prof. P. R. Rane given the assignment of the subject Control System to the students of 2<sup>nd</sup> year to analyze the performance and the understanding capability of each student at the end of the concept for the session 2021-22



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*Department of Electrical Engineering*

**Semester : IV Assignment on Unit 5 & 6**

**Sub: CS (4EP03)**

**Session: Even (2021-22)**

**Date of Assigning: 26/05/22**

**Date of Submission: 1/06/22**

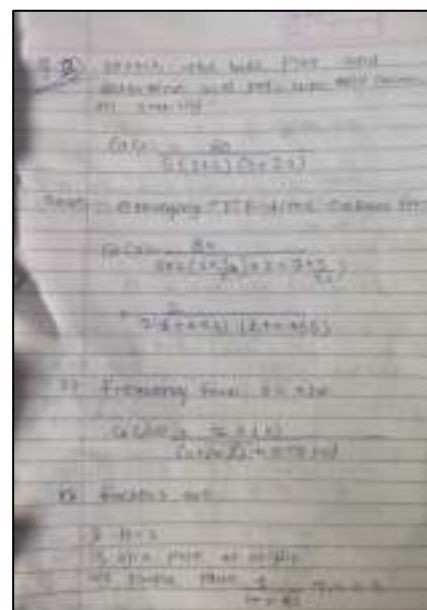
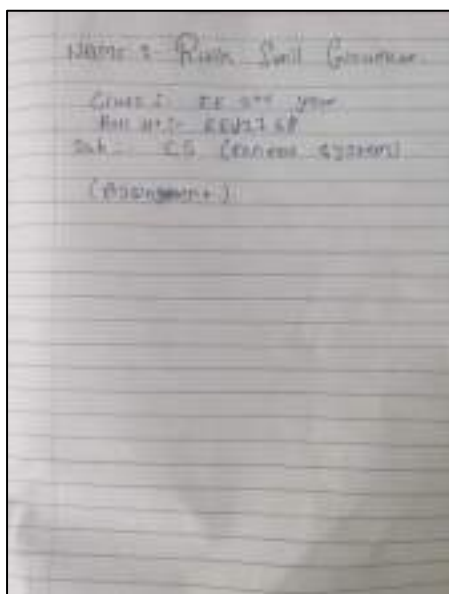
Q1 . Sketch the polar plot for type 1, type 2 and type 3 system. [L3, CO5, 7M]

Q2. Categorise various frequency response specifications. [L4, CO5 8M]

Q3 . Develop & sketch the Bode plot for a system with  $G(S)H(S) = \frac{80}{S(S+2)(S+20)}$

And determine, Gain cross over frequency, Phase cross over frequency,

Gain Margin and Phase margin [L6, CO5, 15M]





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Q.2. Drawing response spectrum.

1. Resonance is the highest value of frequencies, with which the system will respond satisfactorily.

2. In the range of frequencies above and below the critical value, response is very less, not large, by each than.

3.  $\therefore$  All those values between.

Q.3. Derive frequency.

The frequency, at which the response of the closed loop response is 0.707 times from its free frequency value is the critical frequency.



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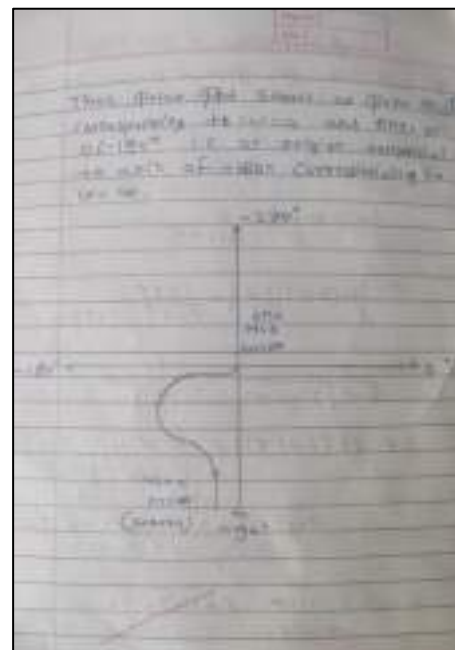
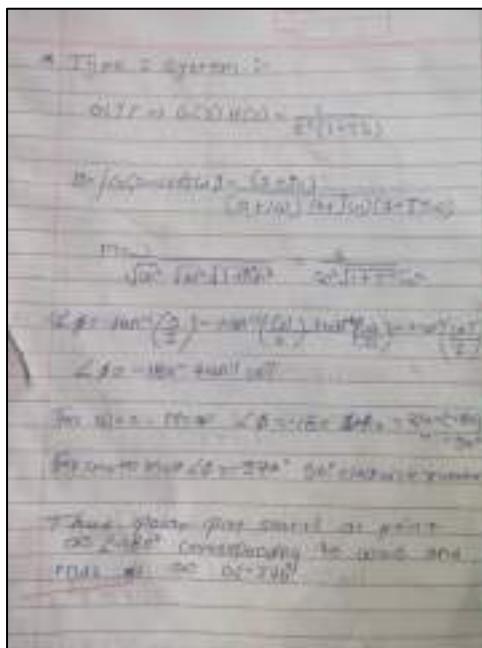
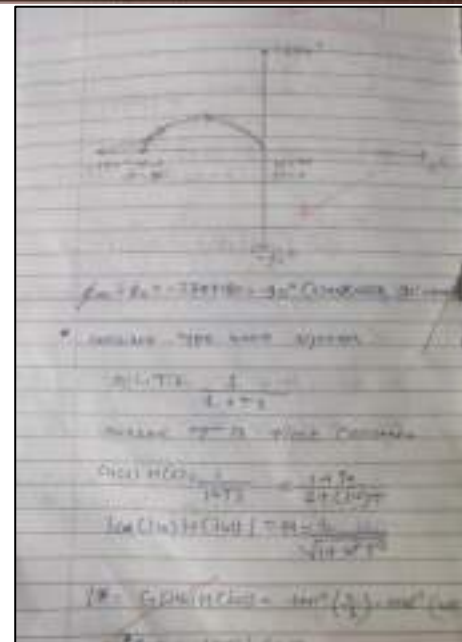
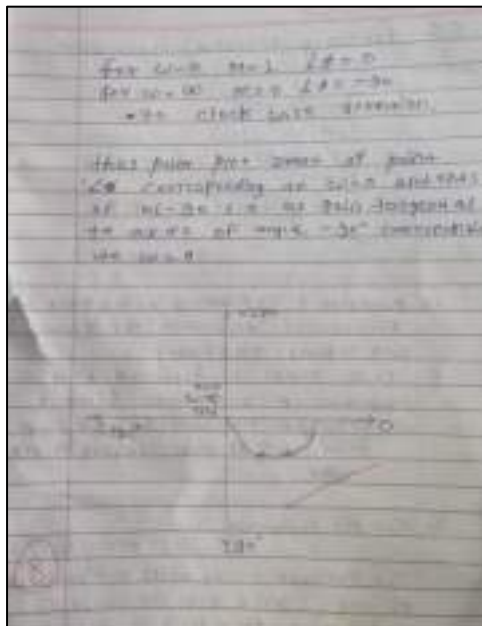
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## Assignments

Dr. A.S. Telang given the assignment of the subject power system stability to the students of 4<sup>th</sup> year to analyze the performance and the understanding capability of each student at the end of the concept for the session 2021-22

<b>P. R. Pote (Patil) Education &amp; Welfare Trust's Group of Institutions College of Engineering &amp; Management, Amravati</b>		
<b>Department of Electrical Engineering</b>		
B.E. Final Year (Sem: VIII) – 2021-22	<b>Assignment I</b>	<b>Sub: PSS</b> (Code 8EP01)
<b>Max. Marks: - 30</b>		<b>Max. Time: - 1 hr. 15 min</b>

### Instructions to Candidate:

- 1) All questions are compulsory.
- 2) Figures to the right indicate the full marks.
- 3) Illustrate your answer whenever necessary with the help of neat sketches.

**Q.1 a)** Explain critical clearing angle and time. Also explain its importance.

[L3.CO5,7M]

- b)** Discuss the various factors affecting transient stability. State various methods to Improve transient stability.

[L3.CO5, 8M]

**Q.2 a)** Explain the methods of increasing the response of an exciter.

[L3.CO6, 7M]

- b)** Analyze the following terms-

[L4.CO6, 8M]

- (1) Common excitation bus scheme. (2) Unit excitation scheme. (3) Nominal exciter response. (4) Ceiling voltage.

 Aparna Telang posted a new assignment: ASSIGNMENT 1EPSS Due 30 Apr, 11:59

Posted 22 Apr  
All students are kindly informed that they have to submit an Assignment for PSS on or before 30/4/2022.

 assignment students copy.pdf  
PDF

 143  95

  
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## • Quiz

Department of civil Engineering conducted technical quiz for the students for the session 2019-20

docs.google.com/forms

Q.2) Which of the following is GIS capabilities? \*

- ☐ a) Location
- ☐ b) Condition
- ☐ c) Modeling
- ☒ d) All of the above

Q.3) Which of the following is GIS software? \*

- ☐ a) GRASS GIS
- ☐ b) Triangulation
- ☒ c) Photogrammetry
- ☐ d) None of the above

Q.4) Which of following is cross \*

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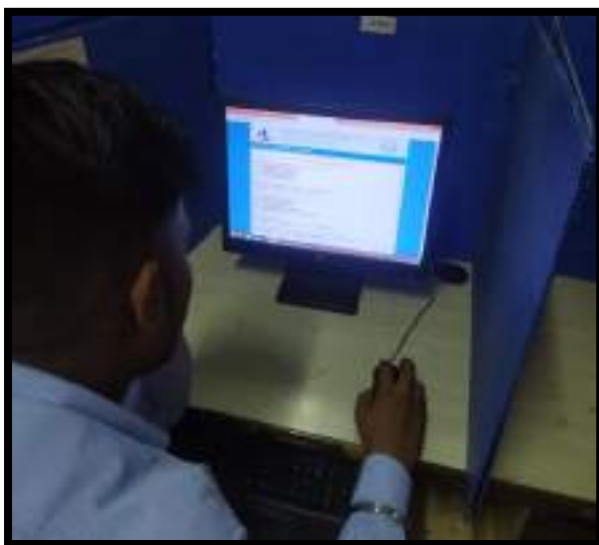
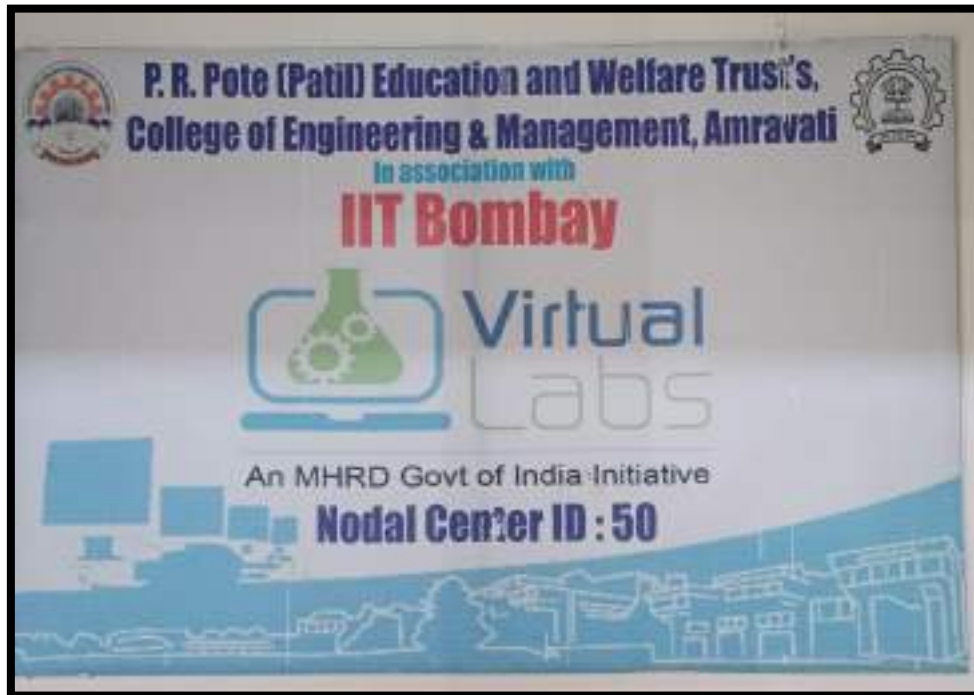
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## • Virtual Lab

Used to provide remote-access to Labs in various disciplines can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self-evaluation.



**Students Performing Practical in virtual lab.**





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**Mechanical Engineering Students performing experiments in Virtual Lab  
for the session 2021-22**

**Virtual Lab Attendance**

DEPARTMENT OF MECHANICAL ENGINEERING VIRTUAL LAB PRACTICAL (Nodal Centre – IIT Mumbai)		
Summer Session: 2021-22		
Date: 7/7/2022		
ATTENDANCE SHEET		
Second YEAR MECHANICAL ENGINEERING		
ROLL NO.	NAME OF STUDENT	SIGN
47	Sutraj D. Jadh	Sutraj
51	Vijay S. Sureshwarshi	Vijay S. Sureshwarshi
02	Aashay D. Korde	Aashay
53	Vilas D. Kambale	Vilas D. Kambale
30	Prayansh H. Gooling	Prayansh
37	Rushikesh M. Kale	Rushikesh
17	Abhishek S. Vaisale	Abhishek
62	Shashank P. Phade	Shashank
88	Sagar Vijay Ingle	Sagar
07	Ajay Narayan Dhanuwar	Ajay
04	Abhishek Dhanuwar	Abhishek
25	Mandak Prashant Gadam	Mandak
09	Amit Rameshwar Shastri	Amit
54	Yash Narendra Gade	Yash
36	Rushikesh Sanjay Chougale	Rushikesh
37	Pratik Vinod Bhole	Pratik
3829	Prachi Pathare	Prachi
22	Jay S. Yadav	Jay
31	Pratham P. Patil	Pratham
12	Arun D. Deshpande	Arun
13	Arpit P. Shirohate	Arpit
08	Aman D. Chavan	Aman
05	Abhishek P. Dhanuwar	Abhishek
40	Saavash N. Chougale	Saavash
34	Ramang Shalal Kharbade	Ramang
19	Harsh S. Suse	Harsh

Dr. P. R. Wadnerkar  
H.O.D. (Mech. Dept.)  
Department of Mechanical Engineering  
Amravati.





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**DEPARTMENT OF MECHANICAL ENGINEERING  
VIRTUAL LAB PRACTICAL (Nodal Centre – IIT Mumbai)**

Summer Session 2021-22

Date : 11/07/2022

**ATTENDANCE SHEET**

3rd YEAR MECHANICAL ENGINEERING

ROLL NO.	NAME OF STUDENT	SIGN
208	Pranjal S. Gedam	Pranjal S. Gedam
6	Atharva M. Pharsapkar	Atharva M. Pharsapkar
12	Maheeb Khedkar	Maheeb Khedkar
21	Smriti D. Kitukale	Smriti D. Kitukale
133	Sanjivani R. Nigam	Sanjivani R. Nigam
10	Rishal M. Barbade	Rishal M. Barbade
28	Janhavi M. Chaudhari	Janhavi M. Chaudhari
117	Krushna D. Giralkar	Krushna D. Giralkar
140	Ufwala V. Gudadhe	Ufwala V. Gudadhe
111	Dhaak S. Malpe	Dhaak S. Malpe
119	Kunjali M. Tirapure	Kunjali M. Tirapure
134	Saavesh P. Pachghase	Saavesh P. Pachghase
130	Rohan V. Thakdive	Rohan V. Thakdive
01	Abhijit Nitowdn	Abhijit Nitowdn
14	Pranay Lambat	Pranay Lambat
19	Saurabh Kalanka	Saurabh Kalanka
20	CHANDRAHANT JHAR	CHANDRAHANT JHAR
114	Jaydip A. Pawar	Jaydip A. Pawar
23	Dnyaneshwar P. edshikar	Dnyaneshwar P. edshikar
24	Tefal G. Engle	Tefal G. Engle
113	Handik Raut	Handik Raut
121	Mehul Patekar	Mehul Patekar
143	Vorun Sanjay Dhigwar	Vorun Sanjay Dhigwar
129	Ritesh R. chandure	Ritesh R. chandure
106	Arani S. Chokke	Arani S. Chokke
141	Poochav. Sudhir Phauhan.	Poochav. Sudhir Phauhan.

Dr. P. R. Wadnerkar  
H.O.D. (Mech. Dept.)  
Department of Mechanical Engineering  
Amravati.



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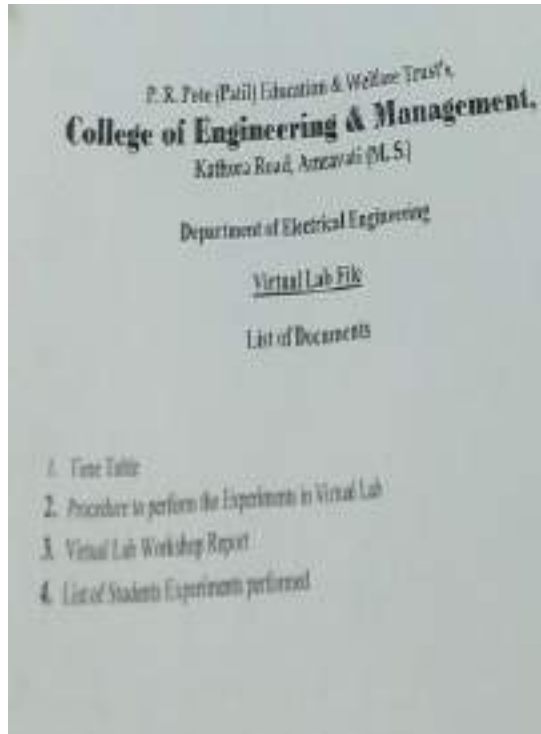
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## Virtual Lab



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Department of Computer Science & Engineering  
Semester: CSE-21 (S-21)  
VIRTUAL LAB TIME TABLE

DAY	CLASS	10:45 AM	1:00 PM	4:00 PM	5:00 PM
SUN		EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M
MON	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M
TUE	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M
WED	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M
THU	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M
FRI	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M
SAT	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M	EE-TEL-100-M

Coordinator  
Prof. P. D. Santhosh

H.O.D.  
Dr. A. B. Gadgil



"Shri Gyanesh Mahang Pratishtha"

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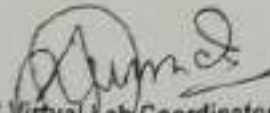
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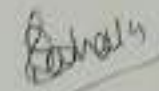


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Management, Amravati  
Virtual Lab Schedule  
Session 2020-21 (S-2021)  
Electrical Engg Department

DAY	3.00 - 4.00 pm	4.00 - 5.00 pm
MON	TE - I	TE - II
TUE	TE - (Research)	-
WED	SE - (Magret)	SE - (Research)
SAT	PE - I	PE - II

  
Dept Virtual Lab Coordinator  
Prof. A. P. Pundkar

  
HOD EE Dept  
Prof. D. A. Shahakar

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

Procedure to be followed for Virtual Lab.

- 1) GO to Google and type "http://vlab.itd.ac.in"



- 2) then go to virtual lab having url type of page.







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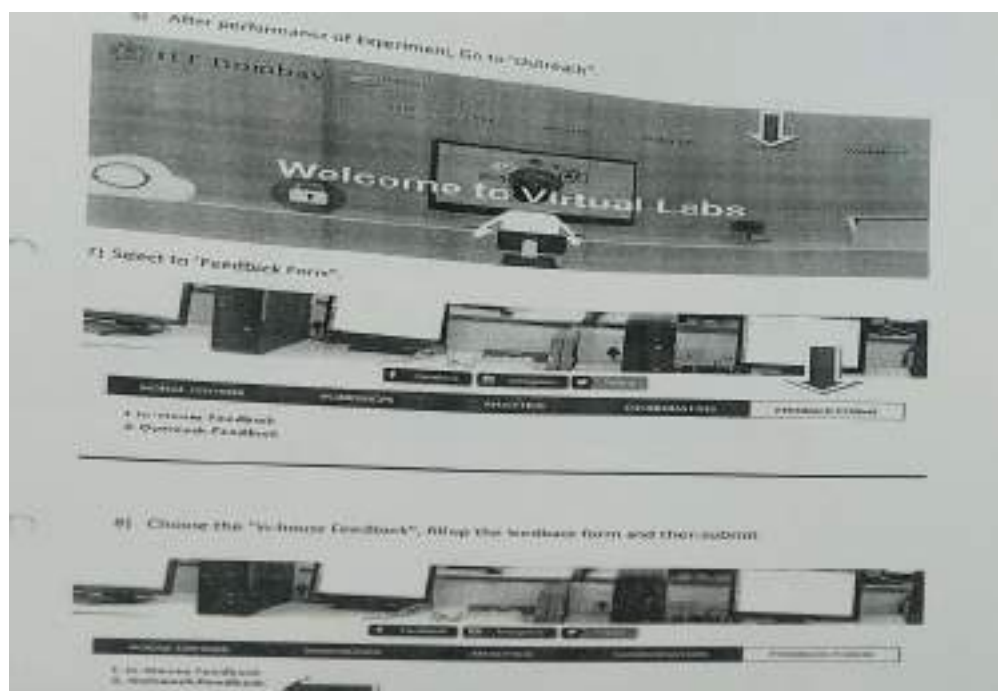
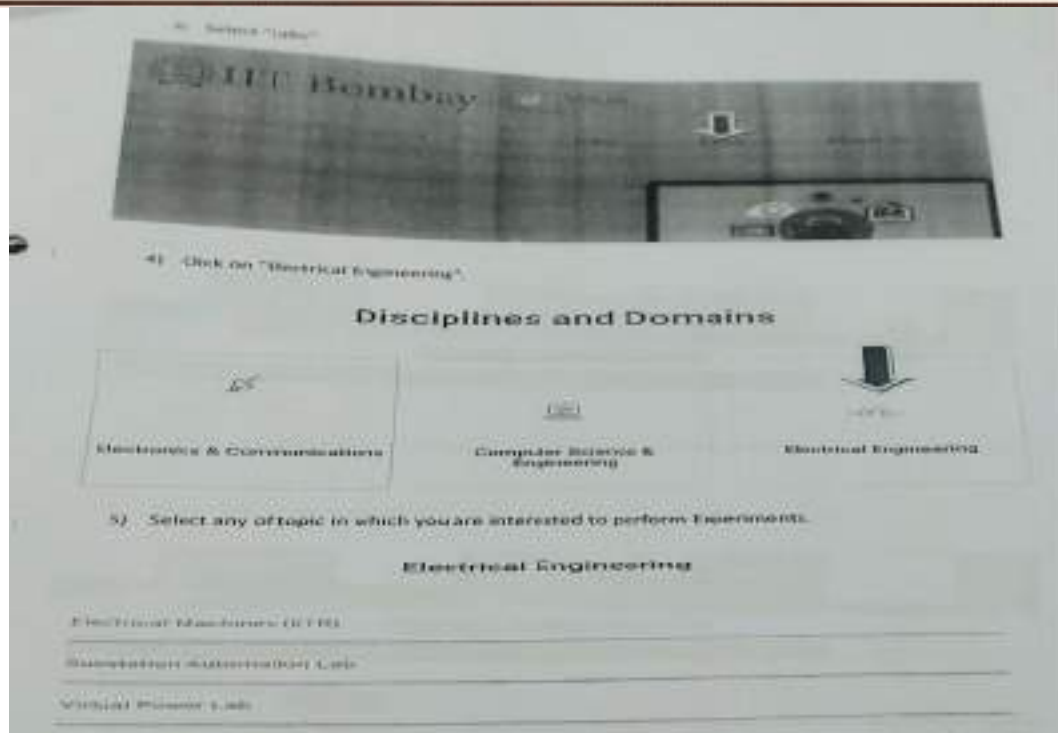
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Virtual Lab		Attendance	
Sl. No.	Student Name	Sl. No.	Student Name
1	ADARSH RAOH THAKAR	1	ADARSH RAOH THAKAR
2	ADARSH RAOH THAKAR	2	ADARSH RAOH THAKAR
3	ADARSH RAOH THAKAR	3	ADARSH RAOH THAKAR
4	ADARSH RAOH THAKAR	4	ADARSH RAOH THAKAR
5	ADARSH RAOH THAKAR	5	ADARSH RAOH THAKAR
6	ADARSH RAOH THAKAR	6	ADARSH RAOH THAKAR
7	ADARSH RAOH THAKAR	7	ADARSH RAOH THAKAR
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## Workshop

P. R. Pote (Patil) Edu.&Welf. Trusts Group of Institutions

College of Engineering & Management, Amravati.

Department of Electrical Engg.

Session 2021-22

## EESA

(*Electrical Engineering Student Association*)

## NOTICE

Date: 02/03/2022

All the students of Electrical Engg. Dept. are hereby informed that, our department is going to organize “*Aptitude Skill Development Program*” from 07/03/2022 to 16/03/2022. All the students of second year are hereby informed that they have to register for Workshop.

**H.O.D. (Elect. Dept.)  
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Name of Course : “Aptitude Skill Development Program”

The poster is for a 'Workshop on Aptitude and Reasoning' held from 07 March to 31 March 2022. It features logos for P.R. Pote Patil College of Engineering & Management, Amravati, and the Institution's Innovation Council. The central graphic includes a circular flow diagram with nodes for 'Aptitude Training', 'Reasoning', 'Problem Solving', 'Logical Thinking', 'Creative Thinking', 'Teamwork', 'Communication', and 'Leadership'. Below the diagram, the dates 'Date: 07 March to 31 March 2022' are displayed. The poster also lists the patron, Hon'ble Pravin Pote Patil, President of PRPGEL and MLC, Ex. State Minister, and the principal, Dr. D.T. Ingole, of PRPCEM, Amravati. The bottom section identifies the organizing department as the Department of Electrical Engineering.

Nature of Course

Career Opportunity

Objectives of the Course

Training

Helps to clear the entrance test for all the Company.

The major objective of campus placement is to identify the talented and qualified professionals before they complete their education. This process reduces the time for an industry to pick the candidates according to their need. It is a cumbersome activity and hence majority of the companies find it difficult to trace the right talent. **Many students do not understand the importance of placement training that is being imparted, whether it is aptitude training or soft skills.** They show the least interest in this due to various factors viz., projects, assignments or more of activities loaded by the colleges as part of their curriculum. It is the responsibility of colleges train the students on all aspects of career development and help them in getting placed in their dream companies.

- Unique short cut techniques for mathematics to improve speed and accuracy
- Improve logical thinking to solve various questions and puzzles in Reasoning.
- Mock Group Discussion sessions





- Resume making and information Sessions
- Approach oriented Training
- Interactive Methodology
- Grooming Body Language, Soft Skills, Attitude etc

### Outcomes of the Course

**CO1 Placement Purpose:** If a job requires some specific skill or some particular trait in the person, it is evaluated by aptitude tests.

**CO2 Choosing a Career:** The result of the aptitude test tells us about the skills or abilities of a person. This result is of great help for choosing a career. A person will get to know what he is good at and he should choose a career accordingly.

**CO3 Academic Improvement:** If a student takes an aptitude test, it will directly or indirectly tell him his strong and weak subject. The student can therefore work on his weak subjects and improve them. It is very important to include aptitude tests in education

**Name of Resource Person** Mr. Vijay Raut & Mr. D. M. Chavan

**Course Conducted in Association with:** - AVR Training Institute, Amravati

**Course Duration** 07/03/2022 to 16/03/2022, Time: - 11 AM to 4PM

**Target Participants** 3<sup>rd</sup> year Students of Department of Electrical Engineering.

### Course Mapping with POs and PSOs:

Workshop								Academic Year: 2021-22				
Course/Subject: <u>Aptitude Skill Development Program</u>												
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	1	2	1	2	1	1	2	2	1	1
CO2	2	3	3	3	1	1	1	1	1	1	1	1
CO3	2	3	3	3	1	1	1	1	2	1	2	2
Avg	2	3	2.33	2.66	1	1.33	1	1	1.67	1.33	1.33	1.33



**Institute Code : 1197**

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Sr. No.	Name of Student	7/3/22	8/3/22	9/3/22	10/3/22	11/3/22	12/3/22	14/3/22	15/3/22	16/3/22	17/3/22	19/3/22	21/3/22
42	BISHAN VATHALAKAR	R.V.S.	R.V.S.	R.V.S.	R.V.S.	R.V.S.	R.V.S.	R.V.S.	R.V.S.	R.V.S.	R.V.S.	R.V.S.	R.V.S.
43	BUDHAPATAP TUSHAR SOMWANSHI	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.
44	BUSHKESH A. BARTALE	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.	R.B.
45	BUSHKESH E. MADAVI	R.M.	R.M.	R.M.	R.M.	R.M.	R.M.	R.M.	R.M.	R.M.	R.M.	R.M.	R.M.
46	BUSHKESH J. WANDHARE	R.W.	R.W.	R.W.	R.W.	R.W.	R.W.	R.W.	R.W.	R.W.	R.W.	R.W.	R.W.
47	BUSHKESH R. HETE	R.H.	R.H.	R.H.	R.H.	R.H.	R.H.	R.H.	R.H.	R.H.	R.H.	R.H.	R.H.
48	SANCHALAKSHI GAWHARDE	S.G.	S.G.	S.G.	S.G.	S.G.	S.G.	S.G.	S.G.	S.G.	S.G.	S.G.	S.G.
49	SARVESH KASHUTANSHI	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.
50	SARVESH NISHU	S.N.	S.N.	S.N.	S.N.	S.N.	S.N.	S.N.	S.N.	S.N.	S.N.	S.N.	S.N.
51	SARVESH VAWHARE	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.	S.V.
52	SHASHIKANT YINAKAR BESHIMKHE	S.Y.	S.Y.	S.Y.	S.Y.	S.Y.	S.Y.	S.Y.	S.Y.	S.Y.	S.Y.	S.Y.	S.Y.
53	SHIVAYASH UTTAM LANGE	S.U.	S.U.	S.U.	S.U.	S.U.	S.U.	S.U.	S.U.	S.U.	S.U.	S.U.	S.U.
54	SHUBHAM SANTOSH MARULKAR	S.M.	S.M.	S.M.	S.M.	S.M.	S.M.	S.M.	S.M.	S.M.	S.M.	S.M.	S.M.
55	SHRIY GANESH RAUT	S.R.	S.R.	S.R.	S.R.	S.R.	S.R.	S.R.	S.R.	S.R.	S.R.	S.R.	S.R.
56	SUSHIL KARTHALE	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.	S.K.
57	SWAPNIL BHAD	S.B.	S.B.	S.B.	S.B.	S.B.	S.B.	S.B.	S.B.	S.B.	S.B.	S.B.	S.B.
58	TEJAS SHIKAR PUNI	T.P.	T.P.	T.P.	T.P.	T.P.	T.P.	T.P.	T.P.	T.P.	T.P.	T.P.	T.P.
59	RUDHAPATAP TUSHAR SOMWANSHI	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.
60	RUDHAPATAP TUSHAR SOMWANSHI	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.	R.S.

*[Signature]*

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"Shri Gajanan Maharaj Pratishtha"

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### Photos of the Programs:



**Electrical Engineering Department Conducted workshop for students on  
“Aptitude Skill & Reasoning” on date 09/03/2022-16/03/2022**





## Participant Feedback

Sr. No	Time stamp	Full Name of the Student	Was workshop well organized? and good use of time allotted?	Were workshop contents useful and knowledgeable?	Was Presentation effective to help you learn?	How do you rate hands on sessions ?	Would you like to join more such workshops?
1	2/22/2022 16:04:39	Aakansha Sanjay Yadav	5	5	5	5	Yes
2	2/22/2022 16:09:06	Ku.Anandi Rajendra Mohod	5	5	5	5	Yes
3	2/22/2022 16:09:43	Ku.Chhakuli Rajendra Masram	5	5	4	3	Yes
4	2/22/2022 16:13:41	Deepika Balasaheb Sangole	5	5	5	5	Yes
5	2/22/2022 16:15:07	Ku.Durga Ramdas Dharpwar	5	5	5	5	Yes
6	2/22/2022 16:15:15	Mayuri Nitin Athawar	5	5	5	5	Yes
7	2/22/2022 16:15:36	Monika Kailuke	4	5	4	4	Yes
8	2/22/2022 16:16:09	Monika Rathod	3	4	4	5	Yes
9	2/22/2022 16:19:37	Ku.pallavi Gajanan Bhise	4	5	5	5	Yes
10	2/22/2022 16:32:55	Ku.Pragati Yogiraj Thakare	4	4	4	4	Yes
11	2/22/2022 16:55:41	Prajakta Charhate	5	5	5	5	Yes
12	2/22/2022 17:01:27	Ku.Pranali Anandrao Manohare	5	5	5	5	Yes
13	2/22/2022 17:08:38	Rutuja Chandrakant Thorat	5	5	4	5	Yes
14	2/22/2022 17:24:52	Ku.Sakshi Dilip Akolkar	5	5	5	4	Yes
15	2/22/2022 17:25:37	Sakshi Choudhari	5	5	5	5	Yes
16	2/22/2022 17:26:39	Ku.Samiksha N. Sondawale	5	5	5	4	Yes
17	2/22/2022 17:27:31	Ku.Vaibhavi Ravindra Wakode	5	5	4	5	Yes
18	2/22/2022 17:27:38	Ku.Vaishnavi Suresh Telkar	5	5	5	5	Yes
19	2/22/2022 17:36:59	Vishakha Prabhakar Mohod	4	4	4	4	Yes
20	2/22/2022 17:41:17	Aadesh Gajanan Kamble	5	5	5	5	Yes
21	2/22/2022 17:47:49	Abhishek K. Changole	4	3	3	3	Yes
22	2/22/2022 17:50:23	Abhishek Shukla	5	5	5	5	Yes
23	2/22/2022	Prasanna Ravindra Dhokane	3	5	4	4	Yes



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	18:12:22						
24	2/22/2022 18:17:39	Pratik Arvind Khadse	5	5	5	5	Yes
25	2/22/2022 18:44:13	Pratik Vijay Jumle	5	5	5	5	Yes
26	2/22/2022 18:56:04	Apeksha Arun Bendarkar	5	5	5	5	Yes
27	2/22/2022 19:32:18	Ashwini NamdevRathod	5	5	5	5	Yes
28	2/22/2022 20:21:43	DaminiRajendraChangole	5	5	5	5	Yes
29	2/22/2022 21:29:02	Devashri Dyaneshwarrao Reche	5	5	5	5	Yes
30	2/23/2022 17:38:35	Dipali Gajananrao Holey	5	4	4	4	Yes
31	2/22/2022 18:12:22	Kajal Rampuri Gosavi	3	5	4	4	Yes
32	2/22/2022 18:17:39	Komal Diwakar Tarale	5	5	5	5	Yes
33	2/22/2022 18:44:13	Mayuri Jitendra Sapkal	5	5	5	5	Yes
34	2/22/2022 18:56:04	Mayuri Prashant Nale	5	5	5	5	Yes
35	2/22/2022 19:32:18	Namrata Pramodrao Bhojane	5	5	5	5	Yes
36	2/22/2022 20:21:43	Neha Sudhakar Wankhade	5	5	5	5	Yes
37	2/22/2022 21:29:02	Nikita Deshmukh	5	5	5	5	Yes
38	2/22/2022 18:44:13	Pooja Tukaram Nimje	5	5	5	5	Yes
39	2/22/2022 18:56:04	Pornima Madhukar Deshmukh	5	5	5	5	Yes
40	2/22/2022 19:32:18	Prachi Gajanan Avinashe	5	5	5	5	Yes
41	2/22/2022 20:21:43	Pranita Bhawate	5	5	5	5	Yes
42	2/22/2022 21:29:02	Priti Rameshwar Puri	5	5	5	5	Yes
43	2/22/2022 20:21:43	Priyanka Ramesh Raibole	5	5	5	5	Yes
44	2/22/2022 21:29:02	SakshiSudhir Fiske	5	5	5	5	Yes
45	2/22/2022 18:44:13	Samiksha Shamsingh Chandel	5	5	5	5	Yes
46	2/22/2022 18:56:04	Sayali Pramod Kalbande	5	5	5	5	Yes
47	2/22/2022 19:32:18	Sneha Ashok Yede	5	5	5	5	Yes
48	2/22/2022 20:21:43	Swati Gajananrao Kalokar	5	5	5	5	Yes
49	2/22/2022 21:29:02	Adarsh Prashantrao Thakare	5	5	5	5	Yes
50	2/22/2022	Adarsh Suresh Vidhate	5	5	5	5	Yes



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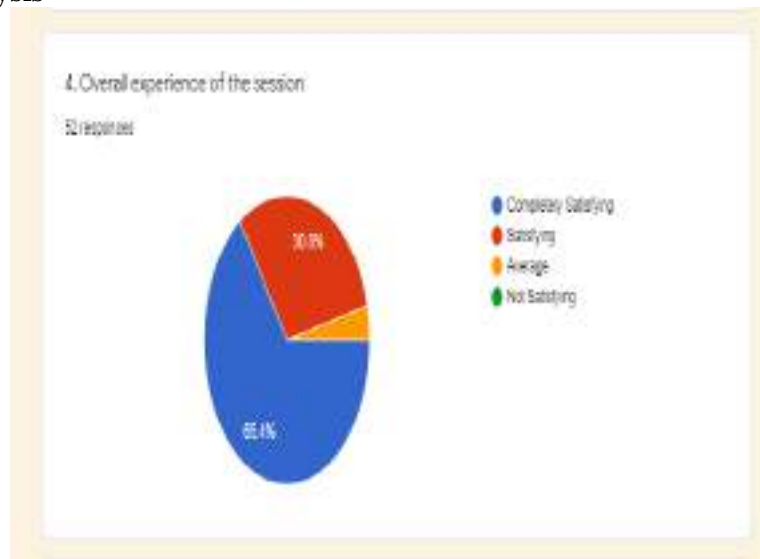
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	21:29:02						
51	2/22/2022 20:21:43	Adesh Surendra Joshi	5	5	5	5	Yes
52	2/22/2022 21:29:02	Aditya Tade	5	5	5	5	Yes
53	2/22/2022 18:44:13	AkshayDevanand Londe	5	5	5	5	Yes
54	2/22/2022 20:21:43	Akshay Pramod Nimje	5	5	5	5	Yes
55	2/22/2022 21:29:02	Aniket Anil Futane	5	5	5	5	Yes
56	2/23/2022 17:38:35	Aniket Vilasrao Kherde	5	4	4	4	Yes
57	2/22/2022 18:12:22	Tejas Avinash Kitukale	3	5	4	4	Yes
58	2/22/2022 18:12:22	Tejas Prakash Thorat	3	5	4	4	Yes

## Feedback Analysis



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



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### **OBJECTIVE QUIZ:**

**Directions for questions 1 to 5:** These questions are based on the following information.

Seven students - M, J, K, N, G, H and E are sitting in a row, facing North, but not necessarily in the same order. Each of them holds a different stationary item among Book, pen, pencil, eraser, sharpener, slate and scale.

K is sitting in the middle of the row and is holding either a pencil or a slate. Neither G nor H is sitting at an end of the row but G and H are holding a pen and a book respectively. Only one student is sitting to the left of N, and is holding a slate. The student who is holding a pen is sitting exactly between K and E. M is not a neighbour of N. The student who is holding an eraser is sitting





fourth to the left of the student who is holding a *scale*.

1. Who is holding a sharpener?

- (A) N . (B) E (C) M  
(D) The student who is sitting at the left end. (E) J

2. Who are sitting at the ends of the row?

- (A) Nand J (B) Eand G (C) Eand J  
(D) The student who is holding a sharpener and E. (E) The

**student who is holding a slate and M.**

3. Who is sitting to the immediate left of the student, who is holding a scale?

- (A) G (B) H (C) M  
(D) The student who is holding an eraser. (E) None of these

4. Which of the following statements is/are true?

- (A) **N is holding an eraser.** (B) E is holding a scale.  
(C) J is sitting second to the right of H. (D) More than one of the above.  
(E) None of these

5. Four of the following five are alike in a certain way based on the given information and hence form a

group. Find the one that does not belong to that group.

- (A) J and H (B) G and H (C) **N and G** (D) E and K (E) N and K

Q6: A man goes to a picnic. There he meets his father's mother's husband How is. The person related to the man?

- (A) Uncle (B) **Grandfather** (C) Granduncle (D) None of the above

Q7: A boy walks 3 km TO North. Then he walk to his left and cover 4km.

What is the approximate distance between final point and initial point ?

- (A) 7km (B) 6km (C) **5km** (D) 8km



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Q8 : 1000, 81, 512, 49, \_\_\_\_\_

(A) 36

(B) 84

(C) **216**

(D) 125

Q9: 1 K1, 1 L2, 1N4, 1 Q7,2U 1, \_\_\_\_\_

(A) 2X2

(B) 26Z

(C) 2Y4

(D) **2Z6**

Q10: In a certain code language, the word YAHOO is coded as ZZINP, then how is the word REQIFF coded in that language ?

(A) SFEJGG

(B) QDCHEE

(C) **SDEHGE**

(D)

5GOMKL

**QUIZ Result :**

Full Name of the Student	Marks (20)
Aakansha Sanjay Yadav	14
Ku.Anandi Rajendra Mohod	14
Ku.Chhakuli Rajendra Masram	12
Deepika Balasaheb Sangole	12
Ku.Durga Ramdas Dharparwar	10
Mayuri Nitin Athawar	16
Monika Kailuke	16
Monika Rathod	12
Ku.Pallavi Gajanan Bhise	12
Ku.Pragati Yogiraj Thakare	18
Prajakta Govardhan Charhate	12
Ku.Pranali Anandrao Manohare	14
Rutuja Chandrakant Thorat	16
Ku.sakshi Dilip Akolkar	12
SakshiChoudhari	12
Ku.samiksha Narendra Sondawale	18
Ku.vaibhaviRavindraWakode	12
Ku.vaishnavi Suresh Telkar	14
VishakhaPrabhakarMohod	16
Aadesh GajananKamble	12
Abhishek KiranraoChangole	12
Abhishek Shukla	18
PrasannaRavindraDhokane	20
Pratik Arvind Khadse	20
Pratik Vijay Jumle	16
ApekshaArunBendarkar	12



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Ashwini NamdevRathod	12
DaminiRajendraChangole	18
Devashridyaneshwarraoreche	12
DipaliGajananrao Holey	14
KajalRampuriGosavi	16
KomalDiwakartarale	10
MayuriJitendraSapkal	20

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

### **Department of Mechanical Engineering**


**Session-2021-22**

#### **Notice**

05/10/2021

All the students of Mechanical Engg Department are hereby informed that, our department is going to organize "Online Basic of CNC Programming" Training Program from 12/10/2021 to 14/10/2021. All the students of Final year are hereby informed that they have to register for Training Program.

  
Prof.R.S.Pokale  
Program Co-ordinator

  
Dr.P.R.Wadnerkar  
H.O.D. (Mech. Dept.)  
Department of Mechanical Engineering  
Amravati.





## Report

**Name of Course:** Basic of CNC Programming

**Nature of Course:** In-house Training Program

### **Career Opportunity:**

Mechanical engineer with CNC Programming Knowledge can work across various entry-level to senior-level positions in the field of Design & Manufacturing industries.

### **Objectives of the Course:**

Basic of CNC Programming course is designed to lend substantial benefits for the students who are involved in computer integrated manufacturing industries.

### **Outcomes of the Course:**

- This course covers Fundamentals and concepts of CNC machining centres, NC part programming, Programming through FANUC simulation software.
- Understand fundamentals of NC/CNC machines.
- Learn and Write NC Part Programming for Milling and Lathe machines.
- Learn NC Programming through CAD/CAM.

**Name of Resource Person:** Prof.R.S.Pokale

**Course Conducted In Association with (External agency / Under MoU) ---** No

### **Course Duration & Schedule:**

**12/10/2021 to 14/10/2021**

06 Hours

Daily 02 Hours

**Target Participants:** Final Year Students.

### **Course Structure & Syllabus:**

Fundamentals of NC/CNC, NC Part Programming, Conventional versus CNC Machines, NC Programming through CAD/CAM.

2D and 3D Machining sequences like Volume mill, boundary mill, Pocketing, Lathe operations and all relevant machining sequences for Lathe and Milling. CNC Machines.

**Methods of Instruction:** Online Mode

Dr. P. R. Wadnerkar  
H.O.D. (HOD, Dept.)  
Department of Engineering  
Amravati.



"Shri Gajanan Maharaj Prasaad"

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**P. R. Pote Patil**

Education And Welfare Trust's

**College of Engineering & Management, Amravati**

Approved By AICTE & Affiliated to Sant Gadge Baba Ambedkar University, Amravati (College Code 1107)



## Training Program on "Online Basic of CNC Programming"

Date - 12/10/2021 to 14/10/2021

Resource Person - Prof.R.S.Pokale Asst. Prof. P.R.Pote Patil College of Engg & Mgmt.

mechprpcem03@gmail.com (not shared) [Switch account](#)



\* Required

Full Name of Student \*

Your answer

Class of Student \*

Department / Branch \*

Your answer

Q.1) What percentage of the information was new to you?

- ☐ A) 100%
- ☐ B) 75%
- ☐ C) 50%
- ☐ D) 25%

Q.2) Whether, the contents of this session will be beneficial for you.

- ☐ Completely
- ☐ Moderately
- ☐ Slightly
- ☐ No



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Q.3) Please rate the speaker's knowledge of the topic:

- ☐ Excellent  
☐ Good  
☐ Fair  
☐ Poor

Q.4) Please rate the speaker's presentation skills:

- ☐ Excellent  
☐ Good  
☐ Fair  
☐ Poor

Q.5) Please rate the content of the slides/virtual aids:

- ☐ Excellent  
☐ Good

- ☐ Poor

Q.6) How did the session compare to your expectations?

- ☐ Excellent  
☐ Good  
☐ Fair  
☐ Poor

Q.7) Overall session evaluation:

- ☐ Excellent  
☐ Good  
☐ Fair  
☐ Poor

Submit

Clear form



## Feedback

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

**Department of Mechanical Engineering**

**Session-2021-22**

### **VALUE ADDED PROGRAM FEEDBACK ANALYSIS**

Topic: Basic of CNC Programming.

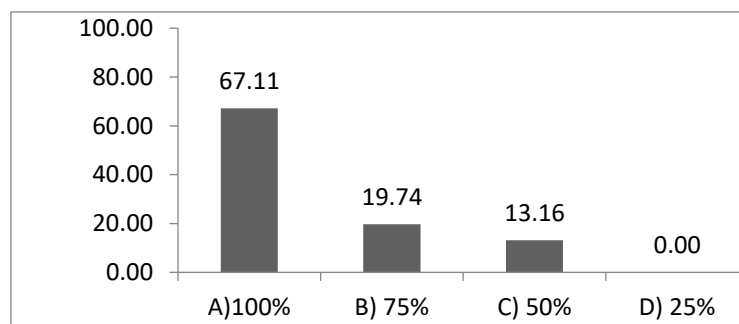
Resource Person: Mr.R.S.Pokale, Asst.Prof. Department of Mechanical Engineering, P.R.P.C.E.M, Amravati

Date: 12/10/2021 to 14/10/2021

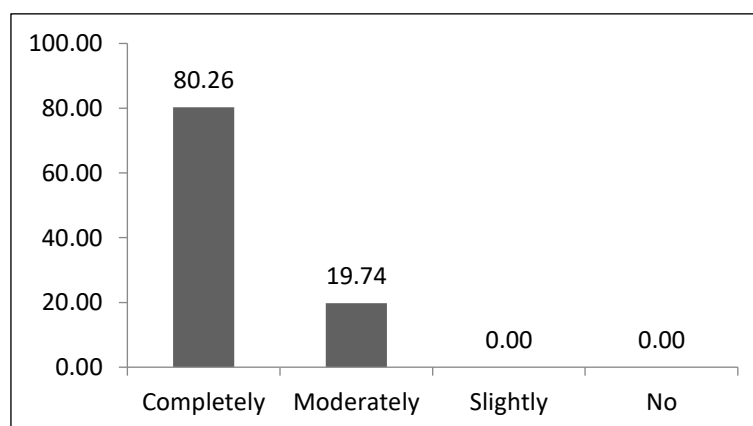
Time: 1 to 3 PM

Total Respondents: 59

Q.1) What percentage of the information was new to you?



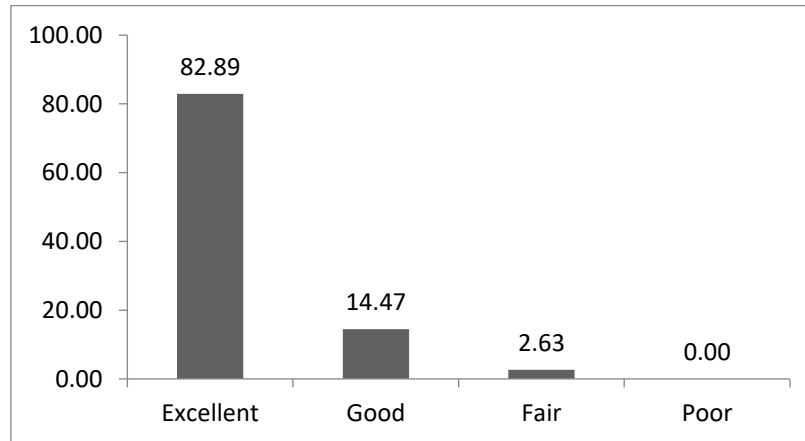
Q.2) whether, the contents of this session will be beneficial for you?



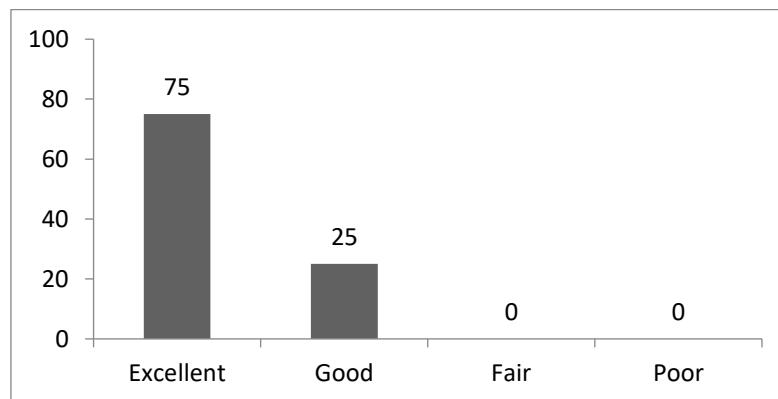




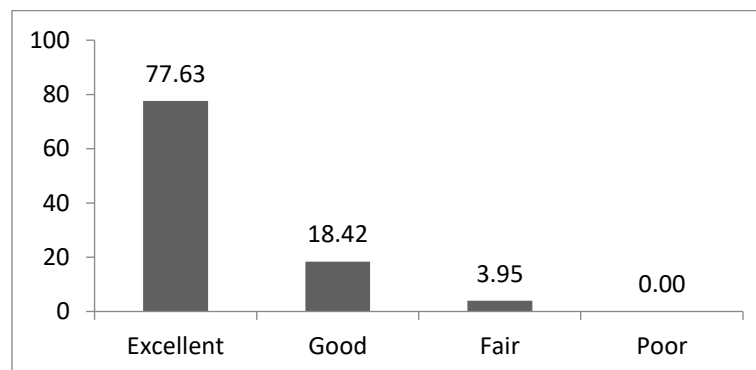
Q.3) Please rate the speaker's knowledge of the topic:



Q.4) Please rate the speaker's presentation skills:

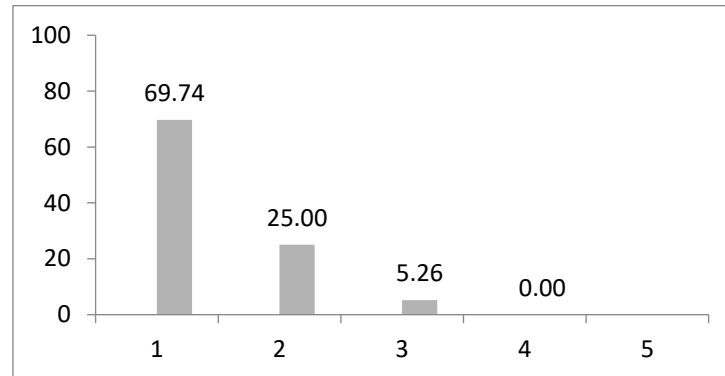


Q.5) Please rate the content of the slides/virtual aids:

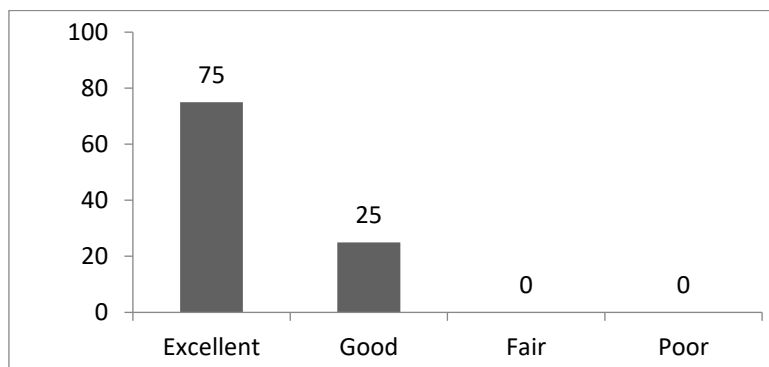




Q.6) how did the session compare to your expectations?



Q.7) Overall session evaluation:



Prof. R.S. Pokale  
Program Co-ordinator

Dr. P.R. Wadnerkar  
H.O.D. (N.E.D. Dept.)  
Department of Mechanical Engineering  
Amravati.



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## • GUEST LECTURE

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

Session 2018-19

**Guest lecture**

**On**

**"How to prepare for GATE & Opportunities"**

**Name of Course:** "How to prepare for GATE & Opportunities"

**Nature of Course:** Guest lecture

**Career Opportunity:** Exposure to Career development

**Objectives of the course:**

Objective of this guest lecture is that students should learn the fundamentals and core knowledge of GATE.

**Outcomes of the course:**

Students will be able to learn the opportunities available through GATE.

**Name of Resource person:** Mr. Tejas Arvind Kalpande (IISc, Bangalore)

**Course Duration & Schedule:** 09/07/2019

**Target Participants:** Third year Students of Electrical Engineering Department.

**Methods of Instruction:** Offline Mode

*Tejas*



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**Department: Electrical Engineering**

**Session: 2019-20**

**Notice**

**Date: 5/07/2019**

All the students of Third year Electrical Engineering department are hereby informed that guest lecture has been arranged on 9<sup>th</sup> July 2019 on "How to prepare for GATE & Opportunities" by Mr. Tejas Arvind Kalpande sir from 4:30PM onwards.

**HOD**

(Prof.D.A.Shahakar)





"Shri Gajanan Maharaj Prashasti"

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**P.R. Pote Patil**

College Of Engineering &  
Management, Amravati

Education & Welfare Trust's



## Guest Lecture

on

" How to prepare for GATE & Opportunities

Eminent Speaker

**Mr. Tejas Arvind Kalpande**

IISc , Bangalore

Date: 09/07/2019

Time: 04:30 PM

# GATE

GRADUATE APTITUDE TEST IN ENGINEERING

Department of Electrical Engineering



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- Web. : [www.prpcem.org](http://www.prpcem.org), [www.prpatilcollege.org](http://www.prpatilcollege.org)



**Electrical Engineering Department organized Guest Lecture on GATE**

**Awareness for the session 2017-18**



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## REPORT

P.R. Pote (Patil ) College of Engineering & Management , Amravati organized Alumini guest lecture on "How to prepare for GATE & opportunities" by Mr. Tejas Arvind Kalpande IISc , Bangalore

Resource person discussed the about the GATE preparation . He discussed about opportunities available through GATE . He shared the fundamentals and core knowledge of GATE. He shared his own experience with all the students and how to prepare for GATE. He discussed preparation plan to score in GATE examination.. He also shared his views & experiences with students. We got a huge response from the students. The talk is consisted of interactive sessions, All the students get motivated and asked questions to the resource person regarding wind energy sector.

Prof D. A. Shahakar , H. O. D. of Electrical Engineering Department, Dr. A. S. Telang , Dr. S. B. Warkad (Dean Academic ) & all the faculty members were present for the event.





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P.R.Pote(Patil) Education & Welfare Trust  
College of Engineering & Management, Amravati  
Department of Electrical Engg.

09/07/2018  
Guest Lecture by :- Mr. Tejas Kalpande  
Attendance Sheet

Roll No.	Name of Student	Remark	Roll No.	Name of Student	Remark
B301	KULVEENA YAGUB SHAH		B336	HARSHAL RAVINDRA BODKHE	
B302	KULANRUTA MARGOTI KAYKHOR	✓	B337	KARTIK YAWALE	✓
B303	KULBHAGYASHREE GOPAL LANDGE		B338	MANDAR PATIL	✓
B304	KULNAYUNI RAJENDRA WAGHMARE		B339	MANISH PAWADE	✓
B305	KULMONALI ANIL TAKADE	✓	B340	MAYUR VINOD BORKHADE	✓
B306	KULNEHA RAVINDRA LONARE	✓	B341	NANDESHOR DIPAKRAO MADKE	✓
B307	KULNEHA SURESH BENDARKAR	✓	B342	PRANAY HINGE	✓
B308	KULPOOJA RAVINDRA GURUDE		B343	PRASAD RAJU KATHALKAR	
B309	KULPRATIKSHA DAHAKE		B344	PRASAD SHANKARRAO KHARAT	✓
B310	KULRASIKA SUNIL JAGTAP	✓	B345	PRATHAMESH NARENDRA KAKAD	✓
B311	KULREYATI NIRANJANRAO GANDRKAR	✓	B346	PRATIK BABARAO AMBARKAR	✓
B312	KULRINKAL CHANDANKHEDDE	✓	B347	PRATIK PANJABRAO INGLE	✓
B313	KULSAMIKSHA TEVENDRA DESHMUKH	✓	B348	RAJESH RATAN GIRI	✓
B314	KULSHADDALE NANDKISHOR MULE	✓	B349	RHUSHIKESH MADHUKARRAO SABAL	✓
B315	KULSHRUTIKA D. DHARAMTHOR	✓	B350	RUSHIKESH M. PATANKAR	✓
B316	KULSONAM CHIKHALKAR	✓	B351	RUSHIKESH RAMKRISHNA BHARTE	✓
B317	KULTESSWINI S. HAMBARDE	✓	B352	SAGAR DEVIDAS JADHAO	✓
B318	KULVAISHNAVI LOTHIE	✓	B353	SANGHARATNA BABARAO GAWANDE	✓
B319	KULVIBHA NANDU AHIRRAO	✓	B354	SHUBHAM PRANOD TANDIYE	✓
B320	AAKASH BHUYAR	✓	B355	SHUBHAM THAKARE	✓
B321	ABHISEET CHANDRAKANT NINKAR		B356	SURAJ DNYANESHWAR BHAGAT	✓
B322	ABHISEKH RAMDAS KHEDKAR	✓	B357	TEJAS VISHWESHWAR KHAIRKAR	✓
B323	ABHISEKH KUSHIKANT PANDEY	✓	B358	UJWAL VIJAYRAO TALKIT	✓
B324	ADHIRATH KOHALE	✓	B359	UNED AZHAR	✓
B325	ADITYA RAMESH KOLAMKAR		B360	YASH RAMDAS DHARMALE	✓
B326	AKSHAY RAJESH RAJPUT		B361	YOGESH ANAND TANTRAPALE	✓
B327	ANIT PANDE				
B328	ANANT DINESH KURYAWANSHI	✓			
B329	ANKIT PRAKASHRAO DESHMUKH	✓			
B330	ANUP GAWANDE	✓			
B331	DURSHANT ANIL KAWADE	✓			
B332	DURSHANT VISHAL GIRDE	✓			
B333	GAURAV DNYANESHWAR HIWASE	✓			
B334	GIRISH KAMUJI SABLE	✓			
B335	HARSHAL INGALKAR	✓			

Total - 47

Faculty in charge: [Signature] Date: 09/07/2018





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**P.R.Pote(Patil) Education & Welfare Trust  
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Department of Electrical Engg.**

**Attendance Sheet**

Guest Lecture by :- 09/07/2019  
Mr. Tejas Kalpande

Roll No.	Name of Student	Remark	Roll No.	Name of Student	Remark
B301	KULALYENA YAKUB SHAH		B336	HARSHAL RAVINDRA BODKE	
B302	KULANBUTA MARUTI NYAYKHUR	✓	B337	KARTIK YAWALE	✓
B303	KUBHAGYASHREE GOPAL LANDGE		B338	MANDAR PATHAK	✓
B304	KUMAYURI RAJENDRA WAGHMARE		B339	MANISH PAWADE	✓
B305	KU MONALI ANIL TAYADE	✓	B340	MAYUR VINOD BORKHADE	✓
B306	KU NEHA RAVINDRA LONARE	✓	B341	NANDESHOR DIPAKRAO MADKE	✓
B307	KU NEHA SURESH BENDARKAR	✓	B342	PRANAY HUNGE	
B308	KU POOJA RAVINDRA GARODE		B343	PRASAD RAJU KATHALKAR	
B309	KU PRATIKSHA DARAKE		B344	PRASAD SHANKARRAO KHARAT	✓
B310	KU RASIKA SUNIL JAGTAP	✓	B345	PRATHAMESH NARENDRA KAKAD	✓
B311	KUREVATI NIRANJANRAO GANDARKAR	✓	B346	PRATIK BABURAO AMBARKAR	✓
B312	KURINKAL CHANDANKHEDE	✓	B347	PRATIK PANGABHAD INGLE	✓
B313	KUSAMIKSHA TEVENDRA DESHMURGH	✓	B348	RAJESH RATAN GIRI	✓
B314	KUSHABDALI NANOOSHOR MULE	✓	B349	RHISHIKESH MADHUKARRAO SABAL	✓
B315	KUSHRUTIKA D. DHARAMTHOR	✓	B350	RUSHIKESH M. PATANKAR	✓
B316	KUSONAM CHIKHALKAR	✓	B351	RUSHIKESH RAMKRUSHNA BHUKTE	✓
B317	KUTESHWINI S. JAMBARDE	✓	B352	SAGAR DEVIDAS JADHIAO	✓
B318	KU VAISHNAVI LOTHE	✓	B353	SANGHARATNA BASARAO GAWANDE	✓
B319	KUVIRSHA NANDU AHIRRAO	✓	B354	SHUBHAM PRAMOD TANDIYE	✓
B320	AAKASH BHUYAR	✓	B355	SHUBHAM THAKARE	✓
B321	ABHJEET CHANDRAKANT NINKAR		B356	SURAJ DNYANESHWAR BHAGAT	✓
B322	ABHISHEK RAMDAS KHEDKAR	✓	B357	TEJAS VISHWESHVAR KHAIRKAR	✓
B323	ABHISHEK KUSHIKANT PANDEY	✓	B358	UJWAL VIJAYRAO TALKIT	✓
B324	ADHIRATH KOHALE	✓	B359	UMED AZHAR	✓
B325	ADITYA HANESH KOLANKAR		B360	YASH RAMDAS DHARMALE	✓
B326	AKSHAY RAJESH RAJPUT		B361	YOGESH ANAND TANTRAPALE	✓
B327	AMIT PANDE				
B328	ANANT DINESH KURYAWANSHI	✓			
B329	ANKIT PRAKASHRAO DESHMUKH	✓			
B330	ANUP GAWANDE	✓			
B331	DIKSHANT ANIL KAWADE	✓			
B332	DUSHANT VISHAL GIRDE	✓			
B333	GAURAV DNYANESHWAR HIWASE	✓			
B334	GITESH RAMODI SABLE	✓			
B335	HARSHAL INGALKAR	✓			

Total - 47

Faculty in Charge: [Signature] H.O.D. [Signature]



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**P.R.Pote(Patil) Education & Welfare Trust  
College of Engineering & Management, Amravati  
Department of Electrical Engg.**

**09/07/2019**  
**Attendance Sheet**

Guest Lecture by :- **Mrs. Tejas Kalpande**

Roll No.	Name of Student	Remark	Roll No.	Name of Student	Remark
A401	K. CHAITALI SUNIL LITNE	✓	A435	BHAYESH RAJENDRARAO BELSARE	✓
A402	K. CHANCHAL ATMARAM PATIL	✓	A437	DRUSHAN GANESH KIRPSE	✓
A403	K. DAMINI BHAIYA CHAKVE		A438	CHAITANYA VINOD TADE	
A404	K. DIPKA PRAKASH KOTHE	✓	A439	CHETAN RAMESHWAR LANDE	✓
A405	K. KETKI PRAFULRAO BHUYAR	✓	A440	HARSHAL PRABHAKAR WASHI	✓
A406	K. KIRITI RAVINDRA KALSKAR	✓	A441	HARSHAL PRADEEP KURSANCE	✓
A407	K. LAHARI NARAYAN DHOTE	✓	A442	HARSHAL WASUDEO NARUDKAR	✓
A408	K. MEDHA GAJANAN DHOTE	✓	A443	KALUSH MANOJ WANKHADE	✓
A409	K. MOHINI VIJAY BHANNADE	✓	A444	KUNAL ARUN SHAMBHARKAR	✓
A410	K. NEHA VINOD PANDIT		A445	MANOJ SARANGDHAR HAGE	
A411	K. PAYAL HIMMATRAO UMAR	✓	A446	PARAMESHWAR GAJANAN WANKHADE	
A412	K. PAYAL ONKARRAO JAMTHE	✓	A447	PRAFUL RAJENDRA FATURDE	✓
A413	K. Pooja SANJEYRAO SULTANE	✓	A448	PRAVVAL CHANDU NESHIMAN	✓
A414	K. PRAGATI NAUKINGALE		A449	PRANAY RUPRAO BANSOD	✓
A415	K. PRATIKSHA DILIPRAO DESHMUKH	✓	A450	PRITESH CHHATRAPATI ATHAWALE	✓
A416	K. PRATIKSHA PRADEEPRAO DESHMUKH	✓	A451	RUSHIKESH DAMODHAR POKHAR	✓
A417	K. PRIYA JAYDEEPRAO INGOLE	✓	A452	SAGAR ASHOK KESWANI	
A418	K. PRIYA WALDEPRAO WANKHADE	✓	A453	SANJAY JAYPRKASH BHALONKAR	✓
A419	K. PRIYANCA NARISH SATRAMWAR	✓	A454	SHIVAM GANDESHRAO SHIRDIKAR	✓
A420	K. RAJANI RAVINDRA KALE	✓	A455	SHUBHAM NILKANTH INGLE	✓
A421	K. SAHISH RAJENDRA KHATRE	✓	A456	SHUBHAM RAJESH MURAI	✓
A422	K. SAMANVITA PRANOD WATILKAR	✓	A457	SHYAM RAJESH SURPATNE	✓
A423	K. SAYALI DILIPRAO DOK	✓	A458	SUDHAN PANDURANG KADAM	✓
A424	K. SHREYI GAJANAN BHELE	✓	A459	SUMIT NILAS WANKAR	✓
A425	K. SNEHA GAJANAN POKAR	✓	A460	TUSHAR SUBHASH KAPATE	✓
A426	K. TANAY PRADEEP AJMERI	✓	A461	VISHAL DINKAR UMARE	
A427	K. TEJASWINI RAJENDRA MARGAN	✓	A462	VISHAL RANJANDRA WANI	✓
A428	K. YOGESHWARI DILIP SATAPKAR	✓	A463	YOGESH VISHNU POPHALE	✓
A429	ABHIRAM DAVIDRA BIRANGE				
A430	ADITYA SUNILRAO SAKUDE				
A431	ADITYA ANIL BIRANGE	✓			
A432	ADITYA DILIPRAO DHORGE	✓			
A433	ANIL RAMESHWAR RAIPACH	✓			
A434	ANURAG AVINASH WANKHADE	✓			
A435	ANURAG GAJANANRAO KOLAT	✓			

**Total - 53**

*(Signature)* *(Signature)*

H.O.D.



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

Department of Electrical Engineering

Training Feedback Form

Name: Tejashwini Mahajan Semester: (2019-20 session)

Name of program: By Mr. Tejas Kalbade Date: 07/7/2019

Your feedback is critical for the department to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the instructor or organizer. Thank you.

**General Feedback: (Please tick ✓)**

	Strongly agree				Strongly disagree
1. The program was well paced within the allotted time	1	2	3	4	5 ✓
2. The instructor was a good communicator	1	2	3	4	5 ✓
3. The material was presented in an organized manner	1	2	3	4	5 ✓
4. The instructor was knowledgeable on the topic	1	2	3	4	5 ✓

**5. Feedback about Sessions: (Please rate the following)**

Session was very informative and useful for students

Tejas  
Signature of Student

Prakash





"Shri Gajanan Maharaj Pratishtha"

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P.R. Pote College of Engineering & Management, Amravati  
Department of Electrical Engineering  
Training Feedback Form

Name: Rajesh R. Ghor Semester: Third Year

Name of program: Mr. Tejas Kolpande Date: 09 July 2019

Your feedback is critical for the department to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the instructor or organizer. Thank you.

General Feedback: (Please tick ✓)

	Strongly agree			Strongly disagree		
1. The program was well paced within the allotted time	1	2	3	4	5	✓
2. The instructor was a good communicator	1	2	3	4	5	✓
3. The material was presented in an organized manner	1	2	3	4	5	✓
4. The instructor was knowledgeable on the topic	1	2	3	4	5	✓

5. Feedback about Sessions: (Please rate the following)

Good

Rajesh  
Signature of Student

Abhishek

Abhishek  
**H.O.D. (Elect. Dept.)**  
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## WEBINAR

Topic: Need of Positive Mindset for Core Engineering students

Resource Person: Mr. Nikhil Pande

(System Engineer TCS , Chennai)

Date: 2<sup>nd</sup> May 2021

Online Platform: Zoom

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

Department of  
**Electrical Engineering organizing**  
**Webinar**

On  
Need of Positive  
Mindset for Core  
Engineering Students

**Mr. Nikhil Pande**  
TCS ;  
Alumni 2016 batch

**Date** 02/05/2021  
**Time** 6pm

Approved By AICTE & Affiliated to Sant Gadge Baba Amravati University



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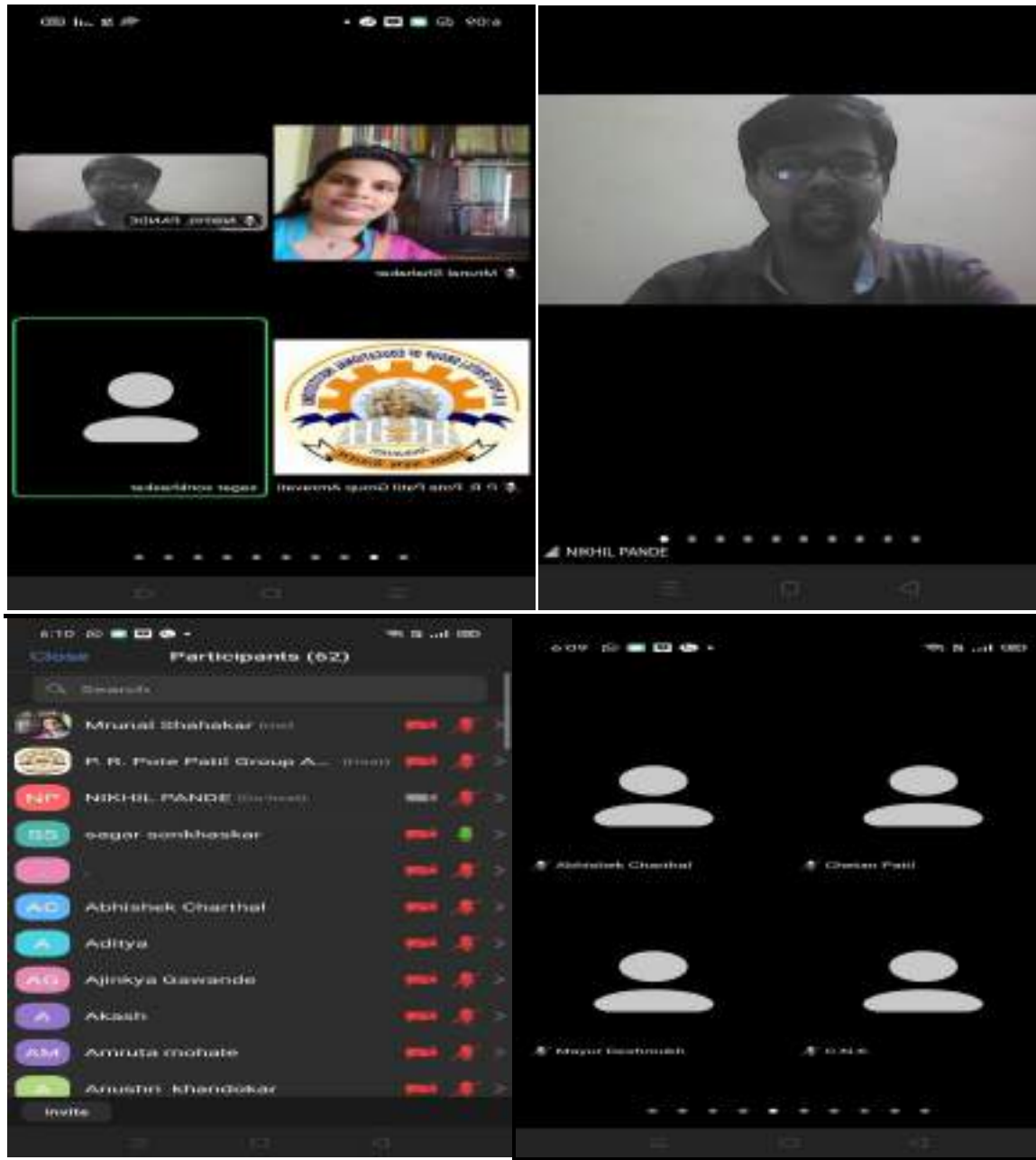
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## Photos & Attendance



Online Meeting Photo



## **REPORT**

It is really important for the students to know about their seniors and to have interaction with them and for the same reason Department of Electrical Engineering organized the webinar of 2016 passed out Alumni Mr. Nikhil Pande. Nikhil is currently working as a System Engineer in TCS at Chennai.

Nikhil interacted on Need of Positive Mindset for Core Engineering Students. Being core branch student, sometimes Students get into confusion because of unawareness about opportunities in different sectors. Nikhil had discussed about the different types of opportunities available for Electrical Engineering Students. He had told the students that to grab the opportunities on need to have correct mindset and willingness to prepare for the same.

Nikhil had also explained the upcoming opportunities in IT industries and necessary preparation students should have on different programming languages. He made sure to students that even if you belong to core branch still you have great career opportunities in IT industry. He also interacted on different opportunities in core industries and spoke about the upcoming opportunities in Automation Industry.

Nikhil covered one very important point of Never Give Up attitude when you pass out as a fresher. He explained this point by telling that one should have patience and hard work in order to crack Government opportunities or any other private opportunities. He justified this point by giving examples of his batch mates and mentioning their achievements.

He had explained the placement process and also explained the importance of each round. He put more focus on Personality Development as it is not only useful for placement but also for future growth. He justified this point by interacting with some of the placed students and listing to their preparation. Nikhil asked all students to stay in contact with all seniors as they can help them in further opportunities.

Questions were asked by some students in the end and those were answered very nicely by Nikhil. Respected HOD of Electrical Engineering Department, Prof. D.A. Shahakar also interacted with Nikhil and appreciated his achievements. Dr. S.B.Warkad and Dr.A.S.Telang also remembered the time when Nikhil was in the college. Prof.S.V.Sonkhaskar hosted the webinar

  
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## • TECHNICAL PRESENTATION

The students are encouraged to participate in technical events to show their presentation skill through poster, paper and model presentations and to contribute articles to the college Magazines.



Students of Final Year Electrical Engineering won First and Second Prize at SGBAU Project Competition dated 5-6 th May 2022.

### Certificate



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"Shri Gajanan Maharaj Prashasti"

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**Students own the 1<sup>st</sup> & 2<sup>nd</sup> prize in project competition which was  
organized at COEP Pune for the session 2021-22**

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## • MODEL EXIBITION



**FINAL YEAR STUDENTS PROJECT DEMOSTRATION FOR THE SESSION 2018-19**

  
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## • PROJECT COMPETITION FOR THIRD YEAR STUDENTS

**P. R. Pote Patil  
College of Engineering  
& Management, Amravati**  
www.prpcm.org | College Code : 1107

**Department of Mechanical Engineering**  
**IEI Students Chapter**

**PROJECT EXHIBITION**

Date & Time:  
19/05/2022 11 a.m to 2 p.m  
Venue:  
Mechanical Engineering Department

f potegrouppcampus @ prpotegroup prpgei P. R. Pote Patil Edu. Information

### Flyer Project Exhibition

**Name of the Department:-**Department of Mechanical Engineering

**Academic Year: - 2021-22 Date: - 19/05/2022**

**Coordinator: Prof.S.S.Mendhe**

**No. of Participants:-70**

**Name of the Activity:-**Project Exhibition

**Career Opportunity: -** This event would help students build teamwork, develop presentation and communication skills among themselves which is the most desired quality required in any career.

**Objectives of the Event: -** The main objective behind conduction of the event was to provide students an opportunity to showcase their talent, to explore research orientation and untapped potential within them and to develop their personality and communication skills.

**Outcomes of the Event: -** The outcome of the Project exhibition was that the students were able to demonstrate their project in front of Principal, other students and faculty members and this boosted their confidence.

Dr. P. R. Wadnerkar  
H.O.D. (Mech. Dept.)  
P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions,  
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## Report

### PROJECT EXHIBITION

**Date:-19-05-2022**

IEI student's chapter for Department of Mechanical Engineering, P.R.Pote Patil College of Engineering and Management, Amravati, organized Project Exhibition for all the students of the Institute.

The session was inaugurated at the hands of Honourable Dr.D.T.Ingole, Principal,P.R.Pote Patil College of Engineering and Management, Amravati.


HOD Mechanical Dr.P.R.Wadnerkar, IEI Incharge Prof.S.V.Mishra, Event Coordinator Prof.S.S.Mendhe and all the faculty members of Mechanical Engineering Department were present for the Inauguration.

The main objective behind conduction of the event was to providestudents an opportunity to showcase their talent, to explore research orientation and untapped potential within them and to develop their personality and communication skills.

70 students participated in the exhibition and 15 projects were demonstrated.

More than 125 students and faculty members visited the exhibition.

The outcome of the Project exhibition was that the students were able to demonstrate their project in front of Principal, other students and faculty members and this boosted their confidence.

  
Dr. P. R. Wadnerkar  
H.O.D. (Mech. Dept.)  
Department of Mechanical Engineering  
Amravati





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### Project Exhibition Photo



**Project Exhibition of Final Year Mechanical Engineering Department on 19<sup>th</sup> May 2022**

  
Dr. P. R. Wadnerkar  
H.O.D. (Mech. Dept.)  
Dept. of Mechanical Engineering  
Amravati.



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## Attendance:

Roll No.	Name of Students	Sign
124	Piyush D. Nandeshwar	
149	Yuvraj M. Metkar	
101	Abhishek. S. Awatane	A.S. Awatane
114	Jaydip. A. Pawar	
109	Ankush S. Bhonde	
120	Mahesh A. Isakade	
126	Praywal S. Jaiswal	
128	Rajat. V. Nimkar	Rajat.
148	Yogesh. S. Pahare	
108	Ankita S. Rangole	
204	Vrushabh N. Kale	
209	Tejas S. Puri	
205	Abhijit P. Adhary	
04	Amit V. Mehale	
02	Aditya P. Mule.	
15	Rohan S. Gawande	
10	Kunal. G. Barbde	
24	Tejas G. Jogle	
01	Abhijit Nitawane	
12	Mahesh. Khedkar	
144	Vikas Kushwaha	
	preravi S. Bange	

Dr. P. R. Wadnerkar  
H.O.D. (HOD. Dept.)  
Department of Chemical Engineering  
Amravati.





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Roll No.	Name of Students	Sign
129	Ritesh R. chondure	(Signature)
143	Varun S. Dhigwar	(Signature)
136	Shadant N. Roundekar	(Signature)
107	Aniket V. Kale	(Signature)
118	Kunal B. Niknade	(Signature)
110	Akash N. Agashe	(Signature)
122	Mohammad Rayyan Khan	(Signature)
112	Faizan R. Alhamash	(Signature)
125	Pradipal G. Sarode	(Signature)
115	Jitesh R. Kadu	(Signature)
113	Harsh S. Raut	(Signature)
105	Akif N. Khan	(Signature)
14	Pooja D. Lambat	(Signature)
7	Chandrakant Ikhur	(Signature)
19	Saurabh R. Kulkarni	(Signature)
22	Tejas N. Wadane	(Signature)
206	Akash N. Donyodhan	(Signature)
138	Sudip S. Khopkar	(Signature)
23	Dnyaneshwar P. Edgikar	(Signature)
139	Aniket T. Mohakar	(Signature)
26	Manoj D. Chimankar	(Signature)
6	Atharva M. Kharapkar	(Signature)
123	Shuja Khan	(Signature)
124	Piyush Nandeshwar	(Signature)
141	Gaibhav S. Chauhan	(Signature)
202	Pradip V. Malat	(Signature)
203	Sahil P. Kadu	(Signature)
25	Nikhil Singh J. Gaur	(Signature)
35	Shrutika S. Patil	(Signature)

Dr. P. R. Pote  
H.O.D. (Mech. Dept.)  
College of Engineering & Management,  
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## Students Participation in Project Competition

### Ignited Innovators of India(I2I) for the year 2020-2021

Rank	Project ID	Project Leader	Project Title	Project Sector
1	HH20023	Vyanktesh ShriKrushna Hande	Smart hand glove	3H
1	ED20007	Nishita Mahendra Likhare	To aware people about women issues	Education
1	TE20018	Snehal Rajabhau Pojage	Extraction of edible oil without crushing of grains	Technology
2	ES20013	Mohammad Danish Abdul Majeed	Student Living care	Entrepreneurship
2	AG20014	Ujwal Shende	Agri Robot	Agriculture







"Shri Gajanan Maharaj Pratishtha"

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

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- Kathora Road, Amravati, Maharashtra, India
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- Web. : www.prpcem.org, www.prpateilcollege.org





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- **Latest development in the Subject area**

Faculties of Department of Electrical Engineering are encouraged to make students technically updated by teaching them latest trends and skills in their respective subjects  
AY-2021-22



Prof. Y.D. Shahakar covered the latest topics I.e. Advanced optimization technique of subject optimization technique in the class for the session 2021-22



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# Control System Design in State Space with MATLAB

---

**Dr.A.S.Telang,**

**Department of Electrical Engineering**

**PRPCEM, Amravati.**

**Dr. A. S. Telang covered the latest topics i.e. Control system design in state space with MATLAB SOFTWARE of subject Control System in the class for the session 2020-21**





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**P. R. Pote (Patil) Education & Welfare Trust's,  
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**DEPARTMENT OF ELECTRICAL ENGINEERING**

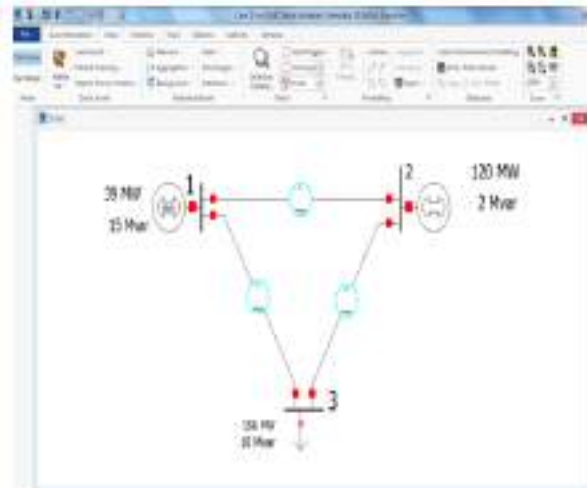
**SESSION: 2020-21**

## **LOAD FLOW ANALYSIS USING POWER WORLD SIMULATOR**

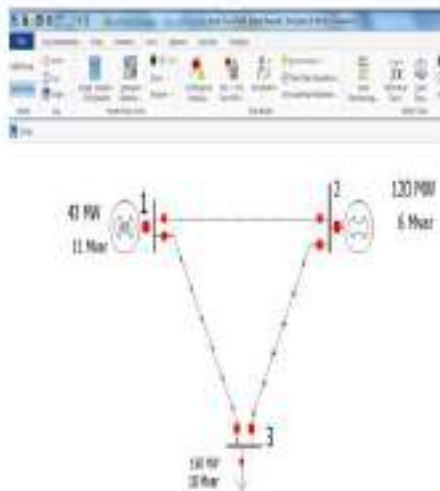
**Presented By  
Prof. P.R. Rane**



## **A Sample 3 Bus System**



## **To Start the Simulation**



## **Power Flow**

Bus	P (MW)	Q (MVar)	V (kV)	Angle (deg)	DF
1	11.00	11.00	110.0	0.0	1.0
2	120.00	2.00	110.0	10.0	0.0
3	150.00	10.00	110.0	10.0	0.0

Prof. P.R. Rane covered the latest topics i.e. Load Flow Analysis using advanced software *power world simulator* of subject Power System in the class for the session 2020-21





- **Industrial training/Internship and Industrial Field visits**

Organized to expose to the current technologies and to provide an opportunity to learn practically through interaction.

- **Industrial Field Visit**

Sr. No	Industry	Coordinator	Duration/Date	Nature of Participation	No. of Students
	Rajani Electrical Pvt.Ltd Amravati,	Prof.S.A.Jalit	23/04/2022	2 <sup>nd</sup> yr	56



**Electrical Engineering students visited Rajani Electrical Pvt. Ltd Amravati, for the session 2021-22**

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



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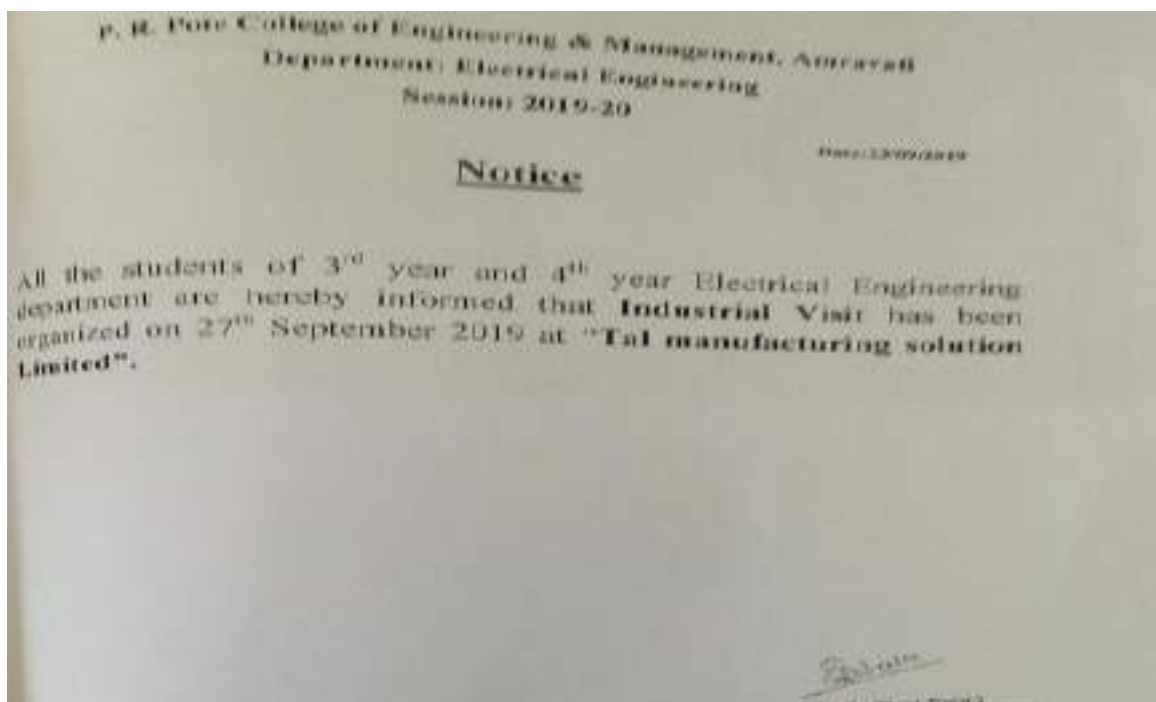


- **Industrial Visit**



Industrial Visit at Thermal Power Station Paras for Second year students under EESA forum for the session 2018-19

### Industrial Visit









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P.R.Pote College of Engineering and Management Amravati

Department of Electrical Engg

List of students for nagpur visit on dt 27 sept 2019

Sr. No.	Name of student	Year	Shift	Company Name
1	Rushikesh Gujarkar	Final	I	TATA Aeronautics Limited, Nagpur
2	Omakesh Karale	Final	I	
3	Sugat Raibole	Final	I	
4	Abhay Gedam	Final	I	
5	Akshay Pachpohe	Final	I	
6	Anand Jadhav	Final	I	
7	Nikhil Dharme	Final	I	
8	Rahul Manekar	Final	I	
9	Nishikant Kale	Final	I	
10	Akshay Wankade	Final	II	
11	Pratik Ingle	Final	II	
12	Yash Dharmale	Final	II	
13	Rushikesh Sabal	Final	II	
14	Tejas Khairkar	Final	II	
15	Saloni Chavan	Final	III	
16	Kalyani Kuche	Final	III	
17	Chetan Awankar	Final	III	
18	Pratik Sontakke	Final	III	
19	Shubham Band	Final	III	
20	Tinu Ikhar	Final	III	
21	Sagar Sonone	Final	III	
22	Rushabh Aswar	Final	III	
23	Dhananjay Deshmukh	Final	III	
24	Kalyani Wasankar	Final	III	
25	Sakshi Makde	Final	III	
26	Neha Bendarkar	Final	II	
27	Sonam Chikhalkar	Final	II	
28	Rasika Jagtap	Final	II	
29	Alveena Shah	Final	II	
30	Amruta Nyaykhor	Final	II	

*[Signature]*  
Incharge

*[Signature]*  
HOD (Elect. Dept.)

P. R. Pote College of Engineering & Management





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P. R. Pote College of Engineering & Management, Amravati  
Department of Electrical Engineering  
Feedback Form

Name: Trivikar Semester: 7<sup>th</sup>  
Program: Visit to TAL Date: 27/03/19

It is critical for the department to ensure we are meeting your educational needs. We  
request if you could take a few minutes to share your opinions with us so we can serve  
you better.

Please return this form to the instructor or organizer. Thank you.

Feedback: (Please tick ✓)

	Strongly agree			Strongly disagree
The program was well paced within the allotted time	1	2	3	✓ 5
The instructor was a good communicator	1	2	3	✓ 5
The material was presented in an organized manner	1	2	3	✓ 5
The instructor was knowledgeable on the topic	1	2	3	✓ 5

Overall feedback: (Please rate the following)

Excellent Visit

[Signature]  
Signature of Student

[Signature]  
**H.O.D. (Elect. Dept.)  
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- Internship AY-2021-22



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



● **Internship**

## List of Students

Sr.No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Contact No (Company)	Name of the participant	Year of collaboration	Duration
1	Alumni Management	dotCOM Infotech Pvt. Ltd	9823194885	AISHWARYA SANJAYRAO MEHARE	2021	6 months
2	sports management .	dotCom infotech pvt.Ltd	9823194885	AKSHAY GANESHAO HATKAR	2021	6 months
4	Project Allotment Monitoring and Scheduling	Ctronics Solutions Private Limited	9823540321	ANKIT HEMANT BALAPURE	2021	6 months
5	Medclick Management	infobech solution	9307593488	ANUJA PANDURANGJI PATRE	2021	6 months
6	Smart Health Care Management	iBaseElectrosoft LLP	8080707100	ANUSHREE SURESH TAYADE	2021	6 months
9	SKY Tours And Travel	Poornadwait	91-9028122244	DIVYA MAHENDRA WANDHARE	2021	6 months
10	VC office management system	dotCOM Infotech pvt.Ltd	9823194885	HARSHADA BANDU DEWALKAR	2021	6 months
11	Kastakar			KARTAVYA JAGDISH NATHILE	2021	6 months
12	E-Learning for Technical Job Seeker (TechnoQuest)	LitsBros Pvt. Ltd.	91-9503351933	KASHIF HUSAIN NASIR HUSAIN	2021	6 months
13	End to End Online Implementation of Water Billing System- for Urban Local Body	Mastiff Solution Pvt. Ltd.	91-9890411855	KEWAL PRADEEP CHOUDHARI	2021	6 months
14	SKY Tours And Travel	Poornadwait	91-9028122244	KOMAL SURESHRAO INGALE	2021	6 months
6	E-Learning for Technical Job Seeker (TechnoQuest)	LitsBros Pvt. Ltd.	91-9503351933	MAHESH TUKARAM CHAVHAN	2021	6 months
17	Placement Management	Dot.com Infotech PVT LTD	9823646168	MANISH DILIPRAO JADHAO	2021	6 months
18	Project Management CRM	Itorix Infotech	91-9579335001	MAYURI DILIP GAYDHANI	2021	6 months
19	Leaf Disease Prediction via	Meecos Innovations Pvt Ltd.	9665956577	MUGDHA NITIN DESHMUKH	2021	6 months



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	Machine Learning					
20	Online Police Training Recruitment System	LitsBrosPvt.Ttd	9503351933	NAVNIT CHANDU RAUT	2021	6 months
21	Library Resources	Itrons Technologies Pvt.Ltd	8180934987	PALLAVI SANJAYRAO DIWARE	2021	6 months
22	Garden Management System	dotCom Infotech Pvt.	9823194885	PRAJAKTA SHAMRAO TEKAM	2021	6 months
23	Alumni Web Portal	LitsBros Pvt. Ltd.	8668816809	PRIYA RAVINDRA SHRIKHANDE	2021	6 months
24	Dermocare-Online consultation	LitsBrosPvt.Ltd	8668816809	RADHA VILASRAO WAGDARKAR	2021	6 months
25	social distancing measurement	ibaseelectrosoft	8668495652	RAKESH VIJAYRAO RAJOTE	2021	6 months
26	Guest House Mangement	Dotcom infotech Pvt Ltd	9823194885	RUSHABH BHARATRAO DESHMUKH	2021	6 months
27	Product recommendation system	iBaseElectrosoft LLP	8080707100	RUTUJA SUNIL WASU	2021	6 months
28	Crime Analysis Mapping, Intrusion Detection Using Data Mining	Parmy Technologies	8125245777	SAMIKSHA NAMDEORAO DAWANDE	2021	6 months
29	E-Learning for Technical Job Seeker (TechnoQuest)	LitsBros Pvt. Ltd.	91-9503351933	SANKET ANIL PEMPAKWAR	2021	6 months
30	WeScrum	Casepoint Pvt. Ltd.	9537365551	SAURABH GANGADHARRAO DHOTE	2021	6 months
31	Dermocare-Online consultation	LitsBros Pvt. Ltd.	91-9503351933	SHIVANI DIPAKRAO JIRAPURE	2021	6 months
32	Wi-Fi based Attendenac System	iBaseElectrosoft	9404689440	SHIVANI SUBHASH KHADE	2021	6 months
33	IPL-Analysis	PIE InfocommPvt.Ltd	9670056956	SHIVANI SUBHASHRAO DAHAKE	2021	6 months
34	Right to the Information	Dotcom Infotech Pvt. Ltd	9823646168	SHIVDAS LAXMAN PENDOR	2021	6 months
35	Library Resources	Itrons Technologies Pvt.Ltd	8180934987	SHIVGAURI UMESH KUBDE	2021	6 months
36	News web portal	LitsBros Pvt. Ltd.	9503351933	SHUBHADA DIPAKRAO THAKARE	2021	6 months
39	Alumni web portal	LitsBros Pvt. Ltd.	9503351933	SNEHA GOPALRAO FUTANE	2021	6 months
40	Restaurant Management System	Itrons Technologies	8180934987	SNEHAL RAMRAO BUNDILE	2021	6 months





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41	SKY Tours And Travel	Poomadwait	91-9028122244	SUNAINA SHASHIKANT POHARE	2021	6 months
42	Online Police Training Recruitment System	LitsBrosPvt.Ltd	8668816809	SUVIDHA SAHEBRAO GANOSKAR	2021	6 months
44	Restaurant Management System	Itrons Technologies	8180934987	VAISHNAVI RAJESH KUBDE	2021	6 months
45	malicious post detection in social network	iBaseElectrosoft LLP	8080707100	VAISHNAVI RAMESHWAR TAWALARE	2021	6 months
46	School Management System	kasnet Technology Pvt . Ltd	8446489635	VIJETA SUNIL MESHRAM	2021	6 months
47	Property Expert	Imagine Scripts Pvt ltd	9890546711	NAMRATA KHAWALE	2021	6 months
48	PRODUCT FORECASTING IN E-COMMERCE WEBSITE	Imagine Scripts Pvt ltd	9890546711	MAAYUR SONAR	2021	6 months
49	Employee performance evaluation	Imagine Scripts Pvt ltd	9890546711	SANKET WASANKAR	2021	6 months

## Sample internship offer letter

	<div data-bbox="715 1243 1173 1355">  </div> <div data-bbox="1013 1355 1236 1388"> <p>Date: 27-Nov-2020</p> </div> <div data-bbox="718 1388 1077 1478"> <p>To, Placement Department, P. R. Pote Patil Group of Educational Institutes, Amravati, Maharashtra.</p> </div> <div data-bbox="949 1500 1173 1534"> <p><b><u>INTERNSHIP OFFER LETTER</u></b></p> </div> <div data-bbox="718 1545 1364 1601"> <p>It is our pleasure to offer an educational internship program to Sunaina Shashikant Pohare from P. R. Pote Patil Group of Educational Institutes, Amravati, Maharashtra.</p> </div> <div data-bbox="718 1612 1404 1691"> <p>Internship program has been scheduled (Proposed) from 2-Jan- 2021 to 30-Jun-2021 For any queries or clarifications, please feel free to call the undersigned or any representative from our HR department and they will be glad to assist you.</p> </div> <div data-bbox="1173 1724 1404 1803"> <p>Accepted By Sunaina Shashikant Pohare</p> </div>
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## Internship Certificates

### **Raymond** Luxury Cottons LIMITED

Works :  
Plot No. E/18/1, Trade Park,  
Additional Industrial Area, Nashik Road,  
Dist. Amravati - 431 501, Maharashtra  
Tel : 0206-1 Land Line: 0206-1900110 / 2026116  
Tel : 0206-1 Land Line: 0206-1900110 / 2026116  
CIN No : U17139MA02004PLU140276

Date: 22<sup>nd</sup> November 2021

#### TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Atharva Kharapkar** a student of **P.R. POTE College of Engineering & Management, Amravati**, has completed internship for 45 days in Mechanical department.

He had carried out his industrial training from 01<sup>st</sup> October 2021 to 15<sup>th</sup> November 2021 in "**RAYMOND LUXURY COTTONS LTD**", Amravati.

We wish him success in all his future endeavors.

For Raymond Luxury Cottons Ltd.

  
Authorized Signatory

  
Dr. P. K. Wadnerkar  
H.O.D. (Mech. Dept.)  
Department of Mechanical Engineering,  
Amravati.



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16-11-2021

## EXPERIENCE CERTIFICATE

THIS IS TO certify that Mr. Purushottam Chandreshkhur Jaiswal Son of Mr. Chandreshkhur Jaiswal, has successfully completed Basic internship training in our company from 13 Jan 2021 to 13 Nov 2021 at SAI GAJANAN MOTORS LLP with our entire satisfaction. During his working period we found a sincere, honest, hardworking, dedicated employee with a professional attitude and very good job knowledge. He is suitable in nature and character is well. We have no objection to allow him in any better position and have no objection to our company.

We wish him every success in life.



Sai Gajanan Motors LLP, Authorized Dealer Ashok Leyland Light Vehicles

- Internship at kWattPvt.Ltd. (AY-2020-21)

### List of Students

Name of Students
1.Arati Lande
2.Kajal Ingale
3.Sarika Chavan
4.Hemsiddhi Kayande
5.Jagdish Pote
6.Ashwini Ingle
7.Dipti Nimkande
8.Anjali Warkad
9.Sakshi Thote
10.Harshal Ingle
11.Vinaya Khadse
12.Mrunali Chaudhari
13.Tanaya Bhombe



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14. Prajvali Meshram
15. Vedant Gulhane
16. Pawan Ingle
17. Nikhil Kaikade
18. Sakshi Thakare
19. Palak Jaiswal
20. Dhiraj Dhoke
21. Hrushikesh Chinchkhede
22. Shrutika Bijwe
23. Ajay Ingle
24. Aniket Balvir
25. Akash Mondhe
26. Nishita Likhare
27. Komal Pimpalkar
28. Samruddhi Bhusari
29. Harshal Kaikade
30. Pankaj Jatale
31. Pranali Bobade
32. Adarsh Gadge
33. Vyanktesh Hande
34. Harshal Nachane
35. Aniket Ghurde
36. Anuja Thakare



*Pote Patil*  
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## • Alumni Interaction

Alumni interactions are organized every year to build the strong relationship between students and alumni to share their experience and knowledge towards career building.



An interaction of alumni Mr. Abhijeet Bhangre, developer, ACE at TCS, Chennai, with final EE students on 14/08/21.



An interaction of alumni Ms. Sakshi Hirulkar, working in CAPGEMINI, Pune, with final year EE students on 15/09/2021.

  
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**Problem Solving Methodology-** Problem Solving Methodologies are processes through which as situation or issue may be analyzed and solutions implemented.

**Integrated Tools-** Students are encouraged to enroll in online courses like NPTEL-SWAYAM, COURSERA, UDEMY, E-Learning and Spoken Tutorial.



Student Roshan Chopkar from department of Electrical Engineering completed online course on Programming basics, AY-2021-22.



Student Abhijit Dhulekar from department of Electrical Engineering completed NPTEL online certification course , AY-2021-22.



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- **Technical Professional Bodies Activities**

The institution has various professional societies like IEEE, ISTE, where the students actively participate in activities.

### **IEEE Student Branch Activities**

#### **Webinar**



Webinar on “Significance of IEEE Membership and Activities: Benefits and Opportunities” by Mr. Tathagat Kumar, IEEE Bombay Section Student chairperson on 30<sup>th</sup>September 2021.





"Shri Gajanan Maharaj Pratishtha"

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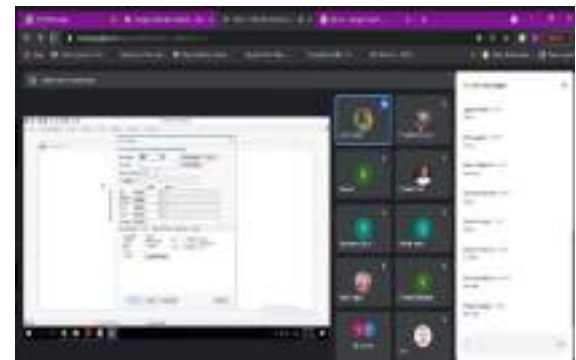
Institute Code : 1107

(Recognized by AICTE, New Delhi, Approved by Govt. of Maharashtra & Affiliated to SGBAU, Amravati)



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

## 2. Workshop



Workshop on “Exploring Optimization using MATLAB” for EE students from 2/8/2021 to 14/8/2021

*P. R. Pote*

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





"Shri Gajanan Maharaj Pratishtha"

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

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## Students Membership in IIC Cell


**P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions,  
College of Engineering & Management, Amravati**  
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Sl. PRPCEM/Notice/467/2021-22 Date: 10/05/22

### Notice

All the council Members are hereby informed that the first Meeting of Institution Innovation Council (IIC) Ministry of Education (MoE), Govt. of India is organized on 13/05/22 at 12.00 P.M at Seminar Hall Main Building. You are requested to make it convenient to attend.

Sr.No	Name	Department	Assigning Role	Signature
1	Dr. Mohammad Zakir	Civil	Vice President	
2	Prof. U. W. Hare	EXTC	Contractor	
3	Prof. S.M. Jadhav	MCA	Social Media	
4	Prof. G. D. Nagarkar	EXTC	Innovation Activity	
5	Prof. P.S. Thorat	MCA	Partnership Activity	
6	Dr. A.B. Gadgil	CSE	IPR Activity	
7	Prof. S. V. Mahra	Mech	Start-up Activity	
8	Dr. V. B. Kulkarni	CSE	ARBA Co-ordinator	
9	Dr. S.B. Wadgaonkar	EE	IPRS Co-ordinator	
10	Prof. S.P. Bhonge	EXTC	Member	
11	Prof. A.A. Ghate	EE	Member	
12	Prof. N. P. Phule	Civil	Member	
13	Prof. P. D. Sani	CSE	Member	
14	Dr. S.M. Tondre	Mech	Member	
15	Dr. H.B. Dhanekar	Appl. Science & Humanities	Member	

  
Principal  
P. R. Pote Patil Edu. & Welf. Trust's  
Group of Institutions  
College of Engg. & Management  
Kathora Road, Amravati



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P. R. POTE (PATIL) WELFARE & EDUCATION TRUST'S COLLEGE OF ENGINEERING & MA			
Institution Innovation Council			
Sr.No	Name	Mobile	Stream
1	Sanskriti P Tarhekar	9890526485	Electronics & Telecommunication
2	Tejal A Bokad	9503819243	Electronics & Telecom Engg
3	Yagnesh S Rajurkar	8554853395	Electronics & Telecom Engg
4	Viraj V. Murkute	9373068613	Electronics & Telecom Engg
5	Arpita Mankar	7083504522	Computer Science & Engineering
6	Sarvesh Band	9527950971	Computer Science & Engineering
7	Himanshu Tarale	9529645118	Computer Science & Engineering
8	Sharayu Konde	8010979753	Computer Science & Engineering
9	Prasad Vinod Charate	8554911686	Electrical Engg
10	Ku.vaibhavi Ravindra Wak	7263985637	Electrical Engg
11	Roshan Ingle	8856846742	Electrical Engg
12	Harshad Pandit Rathod	9322472208	Electrical Engg
13	AMOL S. CHAKRE	7709664925	Mechanical Engg
14	DHARTI S. MALPE	8956111933	Mechanical Engg
15	SHREYAS LOKHANDE	7620670890	Mechanical Engg
16	AMAN CHAVAN	9359235499	Mechanical Engg
17	Gaurav Tikekar	7796008029	Civil Engg
18	Adiba Kashaf	9172764836	Civil Engg
19	Dnyaeshwar Rathod	8010867730	Civil Engg
20	Rensuka Sunil Kale	7350617830	Civil Engg
21	AKSHAY BHEDE	7668909985	MCA
22	POOJA SHENDOKAR	8329200082	MCA
23	Richee S Khaparde	9307947599	EXTC
24	ARSHAD KAMRAN	7875548129	MCA



*(Signature)*  
Principal  
P. R. Pote (Patil)  
College of Engineering & Management  
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## Student Professional Membership (IEEE)

Sr. No	Name of Student	Membership No.
1	Swapnil Tumbwad	96514727
2	Vedanti Raut	96577629
3	Sanchay Solanke	96514718
4	Maithili Ninghot	96514834
5	Abhishek Charthal	96759913
6	Riddhi Jajoo	96759916
7	Avanti Agone	96510828
8	Rupali Rathi	96488589
9	Anuja Thakare	96557236
10	Vyankatesh Hande	96514731
11	Amruta Rithe	96771056
12	Vaibhav Chaware	96092602



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



**Teachers use ICT enabled tools for effective teaching-learning process**

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Principal  
P. R. Pote Patil  
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Amravati





## **Information and Communication Technology (ICT) Policy**

### **1. Preamble**

P. R. Pote (Patil) Welfare Trust's College of Engineering & Management, Amravati has, over the past three decades, been constantly endeavoring to train highquality scientific and technical man- power and provide solutions to a variety of challenging technological problems that may arise in different fields, through its well qualified faculty and highly skilled supporting staff, with the goal of becoming one of the leading centres of teaching, research and extension in Engineering and Technology and totally committed to excel in every sphere of its activity. It has been constantly encouraging scholarship, research, academic excellence, and innovation.

Recent advancements in ICT have played a vital role in redefining and realigning the teaching-learning processes. Moreover, the learning characteristics of the current generation students are increasingly inclined towards digital, web and mobile based technologies. ICT greatly facilitates the implementation of all types of educational learning theories and delivery models that support and encourage innovative teaching and learning modalities both for theoretical courses and lab courses as well as kinds of training components. It has been learnt that the integration of ICT in education, inter alia, does promote autonomous learning, curriculum differentiation, student-centered learning, higher order thinking, problem solving, cooperative learning, collaborative learning, social learning and self-paced learning and finally integrated learning.

The PRPCEM is committed and deeply engaged in the application of ICT to enhance administrative efficiency to optimize learning experiences and to innovate. The ICT Policy Framework is as follow-

### **ICT Policy- Objectives and Scope**

#### **Objectives:**

The key objectives and deliverables of the ICT Policy are to

- Make the Institute more accessible to the present and prospective stakeholders and empowering them through enhanced access to information and quality services while improving governance through the use of ICT.
- Facilitate effective communication for the learning enrichment and student engagement.
- Develop international linkages with a view to facilitate participation in national, regional, and international networks strengthening teaching, learning and research in the Institute.
- Create employment opportunities for the youth and improve their employability through ICT based educational initiatives and industry focused curricula and to help



them participate in the ICT revolution, derive economic benefits, and eventually become self-reliant.

- Promote and strengthen new Information Technology Enabled Services (ITES)/ Information Technology (IT) destinations across the Institute by providing assistance in setting up quality IT infrastructure.
- Create world class ICT infrastructure for seamlessly connecting and integrating all ICT Service Providers and End Users.

### **Scope**

This policy applies to people, denoted as 'users' in this Policy, using the Institute ICT Resources including but not limited to:

- Students enrolled in various departments of the Institute;
- Teaching and non-teaching staff employed by the Institute

### **The ICT Resources**

This policy applies to ICT resources and systems made available to the users, by or on behalf of, the Institute including but not limited to:

- Personal computers, laptops and terminals.
- Peripherals e.g. printers, copiers, scanners and multimedia devices;
- Mobile devices e.g. smart phones and tablets;
- Networks with wired, wireless, dialup and/or internet connections.
- Internet services e.g. world wide web, blogs and wikis;
- Email and other messaging, social networking or collaboration services such as blogs, chats and forums;
- Application software, services and databases; • Removable media including CDs, DVDs and memory sticks

### **Guiding Principles for ICT Application**

An ICT Application is an ICT resource (hardware, software, or a digital resource) provided to a user by the Institute. The Institute and the ICT Center, while providing an ICT Application or taking decisions regarding the ICT related activities will be guided by the following principles.

- **Access:** Provide unrestricted access to teaching, learning and research information to its stakeholders using ICT and also access to Institute services to stakeholders through ICT.
- **Economy:** Application of ICT is to improve economy in the practice of the Institute. The Institute will use ICT to reduce operation costs and improve teaching, learning and research quality.
- **Efficiency and Effectiveness:** Use ICT with a view to increase Institute's efficiency in delivery of services and improve effectiveness in achieving the expected results of the Institute.



- **Relevance:** Improve relevance of the learning experiences of the students at the Institute, and continuously use and adopt relevant ICT for the Institute.
  - **Transparency:** Use ICT to foster openness in Institute system management and delivery of services to the stakeholders.
  - **Privacy:** Use of ICT within the Institute to protect individual privacy as per the applicable law.
  - **Accountability:** ICT application in the Institute shall improve accountability of the system for its operation.
  - **Sustainability:** Reduce the costs of ICT related energy consumption as well as promote the sustainability of ICT solutions and sustainability through the application of ICT.
  - **Learner Centered:** Provide ICT tools that empower the students and enable them to be responsible for their own learning.
  - **Pedagogy Driven:** Develop ICT resources that would support subject and course specific pedagogical innovations and create new learning experiences in classroom practices.
- Quality Assurance:** Integrate quality assurance strategies and their continuous development into ICT processes and services.

### **ICT Application Areas in the Institution**

The following is a description of areas where ICT resources may be developed and made available to stakeholders for their efficient use.

#### **Academic Research**

Increasingly, research challenges are tackled by interdisciplinary teams, often distributed across institutions or countries and so the researchers are required to depend heavily on ICT to compute, analyse data and information, and prepare reports for the dissemination of research results. Use of ICT in research could take a variety of forms, including qualitative and quantitative data analysis, data visualization and reporting in refereed journals and social media. The Institute will endeavour to make its ICT resources available for creating conducive research environment. The Institute may undertake a range of activities to support research through the use of ICT, but not limited to the following:

- Provide data capture, analysis and management tools for both qualitative and quantitative data. Ensure the credibility of research through use of appropriate tools to check plagiarism.
- Organise training and capacity building activities to help researchers to use latest tools for research. Structure this effort as ICT Ecosystem for Research.
- To collaborate with local and regional partners to further develop research and e-Infrastructure capability.
- Strengthen the use of ICT by providing centralised and structured access to online databases, journals and resources over the Internet (e.g. MOOCs, INFLIBNET, NKN, NPTEL, WHONET etc.).





- Provide improved administrative support systems to the researchers for efficient and effective management of research grants and other funding resources.
- Provide access to Institute's research publications and other products through a central repository
- Publish online editions of Institute journals for better reach and visibility
- Participate in regional, national and global discussions on collaborative research using ICT.

## **Admissions**

The Institute with various programs necessitates the use of ICT to ensure effectiveness, efficiency and transparency of the admission process. The Institute may undertake a range of activities to support the admission process through use of ICT, but not limited to the following:

- Publication of admission related information over the Internet for better reach and visibility
- Provide online registration facility for prospective students
- Maintain a follow up and help prospective students through online support system and FAQs
- Conduction of online Entrance Tests for admission to Institute programmes

## **Human Resources**

The increasing competitive environment and growing student volume poses a challenge to an academic institution. In this scenario, ICT can be used as a facilitator to increase effectiveness and efficiency of the services offered by the Institute. The Institute may undertake a range of activities to support human resources through the use of ICT, but not limited to the following:

- Support the non-teaching staff by standardising routine administrative activities, and automating their process flow
- Provide advance learning and up-gradation opportunities to the teaching staff through online training programmes and support
- Build an online community of teaching and non-teaching staff to provide horizontal communication channel
- Develop Knowledge Management Systems to capture and maintain the expertise for later use, particularly for curriculum development
- Document and share innovative practices through Knowledge Management System

## **Teaching and Learning**

The use of ICT to provide support to the teaching and learning process has become an ingrained activity in the Institute. A major benefit of ICT for the teachers is that they can make their classroom teaching more effective by making its judicious use. The students are also benefited due to possibilities for interaction beyond the classroom through ICT. ICT enabled teaching-learning encompasses a variety of techniques, tools, contents and resources aimed at





improving the quality and efficiency of the teaching-learning process. Teachers in the higher education system today can use a variety of media and technologies inside and outside the classroom to make their teaching effective. ICT are used by teachers to catalyze the transformation of information into student learning. While using Internet related resources in the classroom, every care may be taken to address the appropriateness of the content and avoid inappropriate contents therein. The Institute may undertake a range of activities to support teaching and learning through use of ICT, but not limited to the following:

- Facilitate teachers to engage in selection and critical evaluation of digital content and resources (from Massive Open Online Courses - MOOCs, NPTEL etc.) to embed them into the teaching-learning process.
- Encourage teachers to contextualize open educational resources available on the Internet for the students of Institute.
- Encourage teachers to develop digital learning resources of their own. Facilitate teachers to collaborate and undertake projects to develop high quality digital learning materials for the students. The digital resources may include documents, presentations, animations, audio recordings and video clips. Institute needs to setup a media wing to professionally help teachers in this endeavour.
- Create appropriate online learning space through Learning Management System (LMS) to share the learning modules created by the teachers. Through LMS students will have authorised access to relevant modules.
- Provide recorded sessions across the campuses through podcasts (for audio sessions) and webcasts (for video sessions). Facilitate synchronous (e.g. chatting) and asynchronous (e.g. e-mail and forum) communication channels between teacher and student for off-campus academic discussion.
- Facilitate synchronous and asynchronous communication channels amongst students for peer learning.
- Provide real time sessions across the campus through webinars and virtual classrooms. Allow online completion of academic activities and submission of assignments, progress reports etc. in off-campus scenarios such as internships, fieldwork.
- Organize training on effective use of ICT for teaching and learning for every teacher. Such training may be organized within the Institute or faculty members may be deputed to attend external workshops.
- Provide training on effective use of ICT and social media in the Institute to the students.

### **Student Performance Evaluation**

Student performance evaluation is the most critical aspect of the Institute and act as the gatekeeper of academic quality and credibility of the organization. Use of ICT has improved administration of tests in both online and offline scenario. The objective of the student evaluation system using ICT should include providing an efficient mechanism to conduct examinations, improve transparency and credibility of the system, help declare the results error-free and in timely manner, and evaluate the students in a valid and reliable manner. The



Institute may undertake a range of activities to support student evaluation through the use of ICT, but not limited to the following:

- Provide facilities for online registration for examinations and share results online.
- Students should be informed about examination schedules and changes to schedules, if any, online.
- Create online systems for internal assessment and integrate the same with final student examination.
- Encourage teachers to use online testing system to be provided by the Institute for internal assessment.
- Provide feedback to students on their performance on a regular basis, on-line. Create question banks and share them through a repository.
- Use ICT for improving the credibility of the examination by putting practices in place to check impersonation and other malpractices.
- Use ICT to analyze evaluation data for preparing reports on student performance, evaluator performance etc.

### **Student Support**

A support mechanism helps the students to excel and achieve their full potential. The traditional student support systems need to be supplemented with ICT to increase its scalability and availability. The Institute may undertake a range of activities to support students through use of ICT, but not limited to the following:

- Class-coordinators play an important role in student support system. An online communication and information distribution channel between a class-coordinator and his/her students need to be provided.
- Online support is required to drive Institute's centralized training and placement activity. It should integrate placement related services at programme-specific services to students through the activities such as Placement training, Placement related activities and management of students' portfolios.
- Continuous strategic contacts can be maintained with alumni through the use of ICT. An exhaustive alumni database needs to be prepared and made available to the Institute for use.
- Use ICT to provide various supplementary skills to students including soft skills, personality development. A blended learning approach can be adopted to facilitate online learning of such skills.
- Facilitate the data mining on learning analytics for student support. Use ICT to provide required information regarding hostel accommodation and to handle related complaints and feedbacks.
- ICT can be used to encourage students to actively participate in extracurricular activities. Individual student participations in these events can be recorded and made a part of their individual portfolios.

### **Administration**





Apart from research and teaching, a major application of ICT can be in administration of the Institute. It will endeavour to connect all its departments and facility network and provide the services in a phased manner. It will develop a strategic plan to provide access to its key resources to all its students and teachers. The Institute may undertake a range of activities to support administration through use of ICT, but not limited to the following:

- Store the documents in digital form and provide authorized access to them
- Provide a communication channel between Institute and its department for information exchange
- Standardise and automate the activities involved in academic administration for class and course management
- Standardise and automate the administrative processes of the Institute through an integrated system. The stakeholders should be able to access the required information through personalised dashboards
- Automate the generation of various compliance reports
- Provide need-based automation support to Institute's staff to perform specific tasks
- Promote the use of office computing to support general office tasks

### **Quality Assurance**

The transparency brought by ICT encourages quality assurance in an organization. The Institute will certainly and with definite focus work towards the quality assurance (encouraged by the use of ICT) in administration, teaching learning and evaluation. The Institute may undertake a range of activities to support quality assurance through the use of ICT, but not limited to the following:

- ICT will help to improve the quality of administration and bring in transparency in the related processes through automated systems. They will also make the respective processes person independent. The increased speed of operations will provide timely information.
- ICT will be used to facilitate data mining on learning analytics of students for programme improvements; to encourage cooperation amongst teachers; to standardize study material across the campuses through learning modules and LMS; and like. The Institute will enhance transparency in evaluation processes and the quality of evaluation using ICT for collaboratively preparing question banks, developing automatic question paper generation systems, conducting online examinations wherever feasible, and for providing timely feedback to students etc.
- The quality assurance initiatives need to be supported by apt mechanisms for online feedback from various stakeholders and its analysis using ICT.
- Databases of teachers and domain-experts will be maintained and made available to concerned departments as per their teaching, evaluation and research requirements.

### **ICT Infrastructure and System Maintenance**

The valuable ICT assets must be managed to ensure their integrity, security and availability for valid educational and administrative purposes. While the Institute seeks to promote



academic freedom and free exchange of ideas, some guidelines for the use of ICT are required. The guidelines are as follows.

**a) Institute's Responsibilities**

- ICT systems and infrastructure will be managed by the Institute's ICT Center.
- Institute will create adequate budgetary provision for maintenance of the ICT infrastructure and to implement this Policy.
- It will adequately ensure and provide for appropriate security, antivirus and password management systems.
- While the Institute will take all the necessary care to maintain its systems and servers, it accepts no responsibility for any loss or damage, consequential or otherwise, or loss of data arising from the use of its ICT Resources or due to the maintenance of its ICT Resources. Wherever possible, the Institute will use Open-Source applications for providing services and reduce the total cost of running the ICT infrastructure.

**b) Undesirable uses of ICT resources of the Institute by the Users**

Undesirable use of the Institute's ICT resources may include but are not limited to the following.

- Attempt to access computers for which the concerned individual is not authorized
- Unauthorized access to another user's files
- Attempting to circumvent Network Access Control, including by-passing proxies and firewalls
- Monitoring or interception of network traffic without permission
- Probing for the security weaknesses of systems by methods such as port scanning, password cracking, without permission
- Unauthorized extension or retransmission of network traffic including the installation of unauthorized wireless access points, routers or switches
- Unauthorized reselling of Institute's ICT Systems and Services
- Unauthorized modification of Institute's data
- Unauthorized download, installation or running of programs or utilities that may flood the network, causing denial of service to other users
- Sharing of network access credentials with third parties for the purposes of defeating network authentication.
- Using the network to break into other networks
- Creation, retention, downloading or transmission of any offensive, obscene or indecent images or data, or any data capable of being resolved into obscene or indecent images or material Creation, retention or transmission of material with the intent to cause annoyance, inconvenience or needless anxiety
- Infringement of Intellectual property rights including copyright, trademark, patent, design and moral rights
- Sending electronic mail that purports to come from an individual other than the person actually sending the message using, for example, a forged address





- Using the resources for unsolicited advertising or transmission of electronic mail with intent to defraud, often referred to as "spamming"
- Deliberate unauthorized access to networked resources, local or remote
- Deliberate activities that may result in either wasting of support staff time in support of systems or corrupting or destroying other users data violating the privacy of other users
- Denying services to other users
- Actions or inactions which intentionally, or unintentionally, aid the distribution of computer viruses or other malicious software
- Download, installation and use of unlicensed software on the Institute network and computers
- Any activity which comes within the purview of cyber laws of the land.

### c) Use of physical infrastructure

Security refers to the measures that shall be taken to ensure that physical availability of all ICT equipment is not compromised in any way. ICT equipment at the Institute falls under two categories (a) The College/Institute/ Department/Section/ Faculty/ Staff or "unit's" equipment and (b) the backbone equipment. Physical security of the former is the responsibility of the respective unit while the latter is the responsibility of the ICT Center. The following guidelines will be adhered to by all concerned.

- All the constituent units and offices shall be required to define an 'owner' of each piece (e.g. a computer, laptop, printer in an office) or group (say in a computer lab or server room) of equipment and that individual shall take the responsibility of ensuring its security
- All backbone equipment (except that housed within units) shall be the responsibility of ICT Center
- All the students and staff shall be required to identify themselves (either physically or electronically) for access to any common Institute computing facilities
- Only authorized staff will be permitted to open computer or related systems
- Students and other staff shall not tamper with any components of computer systems for whatever reason beyond what is required to carry out the basic user services
- No computer equipment and related accessories shall be carried out of the computer labs without explicit permission from an authority
- The heads of the constituent units and sectional heads in the Institute shall maintain ICT asset registers in order to monitor and track the assets.

### d) Data Security

The purpose of these guidelines is to identify and disseminate the framework and principles that guide institutional actions and operations in generating and sharing data and information. User Responsibilities The electronic data of the Institute either reside on central servers or on desktops, laptops and other mobile devices belonging to individual users. In either case, users must be aware of policy issues governing their protection and access. The following policy statements thus apply.



- All Institute data should be stored on centrally maintained corporate networked disc storage. In the event that such data is stored on user desktops, laptops and other mobile devices, it is the responsibility of the user to ensure its security, confidentiality and integrity with regular backup, password protection etc.
- All access to data stored in the central databases must be through standard interfaces provided for by the various information systems. Any attempt to gain access through any other means other than those sanctioned by the Institute constitutes security breach.
- Requests for access to all administrative data and the central systems in general need to be authorized by the relevant Data Owner after recommendation by the head of department or the section head.
- In the event that confidential information is protected by technical security mechanisms (physical or electronic) using passwords etc. and these mechanisms fail or are absent, users themselves are obliged to protect confidential information from public access.

### **Responsibilities of the technical staff**

The responsibility for protecting all corporate data stored in Institute's central systems (servers, database, network storage etc.) is the responsibility of the ICT Center. The guiding policies for this role are as stipulated below.

- All department data residing on the central network storage must be kept backed up on a regular basis. Frequency of backup needs to be determined by the frequency with which the data changes and the effort required to recreate the information if lost.
- Backup must be tested periodically to ensure that they support full system recovery. All restore procedures must be properly documented and tested on a regular basis, at least annually.
- Backup media must be stored in an off-site location and retrievable within 24 hours, 365 days a year. Data owners in their role as custodians of Institute data are responsible for defining and documenting the length of time during which data must be retained. ICT Center is responsible for ensuring that these requirements are adhered to.

### **e) Web content publishing**

Institute has worked hard to attain the high level of excellence in education, research, and outreach experiences. To maintain and build upon that reputation, it must concern itself with the image it projects. The web content publishing guidelines facilitate usability and consistency. Each unit, department, forum, and office, while having its own agenda, as a part of the whole, needs to be clearly identified with the Institute brand. Avoid redundancy: Departments should not repeat static information maintained elsewhere by the Institute. Instead, their websites should provide link to that specific Institute information. Redundant information, especially different published versions, often causes confusion among the audience and there may be severe consequences if incorrect information is posted.





### **Ensure content Validity:**

- The Institute controlled sites must be registered according to the guidelines
- Individual units at the Institute are responsible for the content on all of their Web pages • Content must be continuously updated. It will follow all sections of this policy, as well as national laws and codes
- No official unit may go outside the Institute Web structure and represent itself on another Web server or domain without written approval from the Institute.

### **Copyright:**

- All Department Web pages should follow copyright laws
- Publishers of content must obtain permission from copyright holders to use text, photos, graphics, sounds, or movies to which the Institute does not hold copyrights.

### **Capacity Building for ICT Use**

The Institute will take care of the following measures for the development of Human Resource in ICT.

- For the ICT Center staff to perform effectively and efficiently, they shall be continuously trained to enhance their skills so that they can meet the changing needs of the users. The ICT Centre shall put in place training and development plans to address the skill competencies of the staff
- Appoint at least one member of staff from each constituent institution as ICT Coordinator. ICT Coordinators will act as links between ICT Center of the Institute and respective departments and facilities
- Provide technical training, on efficient use of ICT services, to all teaching and non-teaching staff
- Provide training to the faculty on content development and to develop e-learning modules
- Provide functional training to all teaching and non-teaching staff to improve their ICT competency.
- Train all the faculty members in the use of ICT for administration and for teaching and learning purposes.
- Train at least one staff member from each of the department and facility in software, hardware and network maintenance

### **Quality Assurance of ICT Resources and Services**

In order to enhance and maintain the quality of ICT and related services, the ICT Center shall perform the following activities.

- Devise quality norms for ICT services
- Continuously monitor the quality of ICT infrastructure and ICT services.
- Try to resolve all the technical problems within working hours after a complaint is received.



- Conduct training sessions in a year to equip the endusers with relevant and practical ICT skills to facilitate effective and efficient use of ICT resources by them.
- Cost-effectively develop application systems within stipulated time of receiving requests.
- Ensure that digital network services (LANs/WANs) operate during working hours in all departments of the Institute.
- Formulate and operationalize ICT policies within a reasonable time after their approval.
- Organize workshops, on latest trends and practices in ICT.
- Establish an on-line help desk.

### Managing ICT Policy

The domain of ICT is an evolving one. Considering the frequency of technology updation and obsolescence, the Institute will review and update its ICT Policy whenever needed. For this the Institute will have a formal setup as follows.

- The ICT Center will be headed by a senior technical professional. The support staff of the ICT Center will have expertise in ICT related fields such as network administration, data center administration, web site design and LMS management etc.
- Each department or facility will have an ICT coordinator to liaison with the ICT Center.
- The Institute will constitute an ICT Advisory Council chaired by Principal, Coordinator, HODs, IQAC Coordinator and ICT experts from the field as members.
- A document, describing the available ICT services and their possible use, will be circulated periodically to all concerned.

Documentation related to each activity conducted will be prepared by ICT Coordinator.

(Dr. S. B. Warkad)  
IQAC Coordinator



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

(Dr. A. V. Kale)  
Principal





"Shri Gajanan Maharaj Prasanna"  
**P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions,  
College of Engineering & Management, Amravati**

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

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Ref.: PRPCOEM/

Date:

# ICT Manual



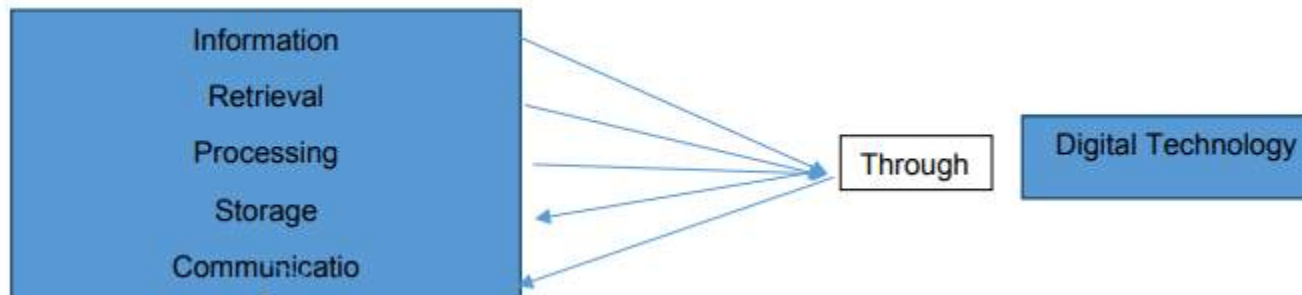
## Table of Contents

Sr. No	Description	Page No.
1	ICT Awareness	1
2	ICT facilitates	2 3
	ICT in Teaching-Learning Process	2 4
	ICT Tools	3

- **ICT Awareness:**

ICT tools like apps, programs and web2.0 applications are part of our modern society. All Universities are adopting this essential trend, but in many institutes this adoption is happening at a rather slow pace. This has many reasons, from missing infrastructure to security concerns to teachers not being familiar enough with using ICT in regular classes.

To encourage teachers to think about an increased use of ICT tools in teaching, and to inspire them on where and how to use these tools is the main idea of this ICT Guide. We need well-educated students with profound ICT skills – in terms of operation as well as media literacy – to become active members of our knowledge society which is built on the foundation of ICT in most areas these days.



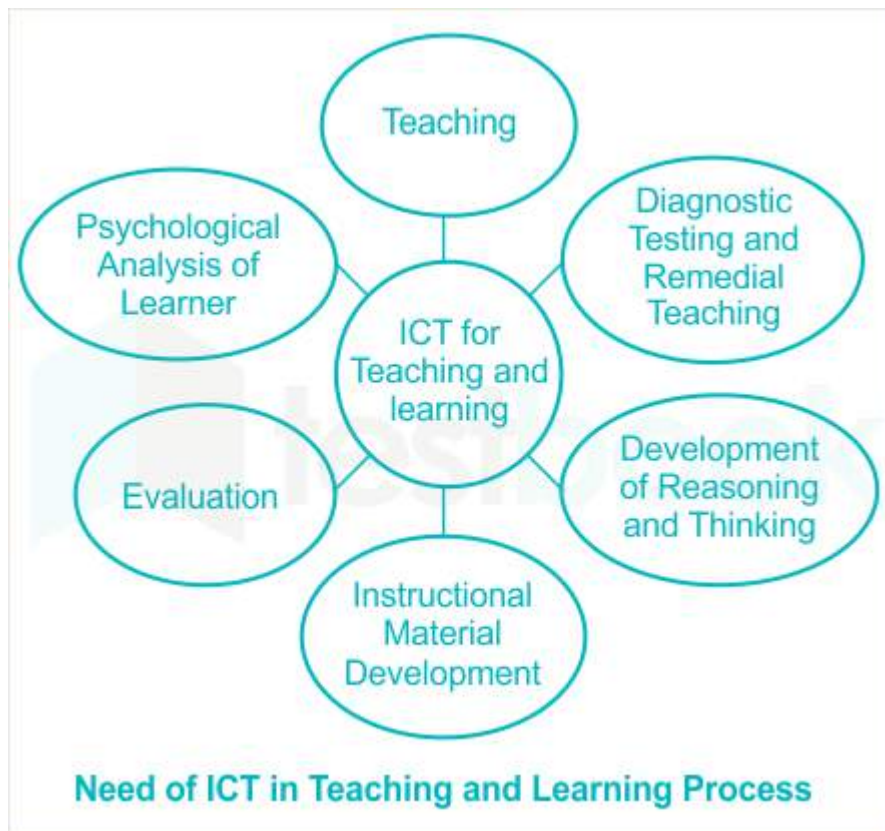
Teachers and Students will make use of ICT to enhance the teaching and learning process by:  
Using ICT as a powerful educational tool and creating options for both teachers and learners through

- Diverse and motivated approaches to teaching and learning.
- Enhancement of student outcomes and learning opportunities.
- Access to an expanding range of on-line learning resources.
- Interaction in the Global environment.
- Higher quality lessons and greater collaboration between teachers in planning and preparing resources.

- **ICT facilitates**

- Improved student attendance by enabling real time attendance marking and reporting.
- Researching online and collaborating online.

- **ICT in Teaching-Learning Process:**



- **ICT can be useful for a teacher in the following ways:**

- 1) It is helpful in the professional development of the teachers. A teacher can learn various language skills with the help of ICT. He can do various certification programs run by the famous educational institutions like Cambridge University, British Council etc. These programs help in enhancing his capacity to teach his subject content easy, economic and more understandable.
- 2) A teacher can increase his domain of knowledge with the help of e-journals, e-magazines and e-library that can be achieved only through the use of ICT. He can also participate in discussions and conferences with the experts of his subject teaching to improve his knowledge and skills through audio and video conferencing.

3) ICT helps a teacher to learn innovative methods of teaching. He can work with the students on various project and assignments. It also helps him in providing teaching contents, home works etc

- **ICT can be useful for a student in the following ways:**

1. Student can study through online resources. There are different resources through which it will be helpful for students to understand topic. Students can learn from their place and at any time.
2. Students can meet teachers online and get required knowledge about the subject.
3. Students can have no limit of time and place.

- **List of ICT Tools 2020-2021:**

## 1. Google Classroom

- Classroom is a free service for schools, non-profits and anyone with a personal Google Account.
- Classroom makes it easy for learners and instructors to connect – inside and outside of schools.
- Classroom saves time and paper and makes it easy to create classes, distribute assignments, communicate and stay organized.



## 2. Google Meet

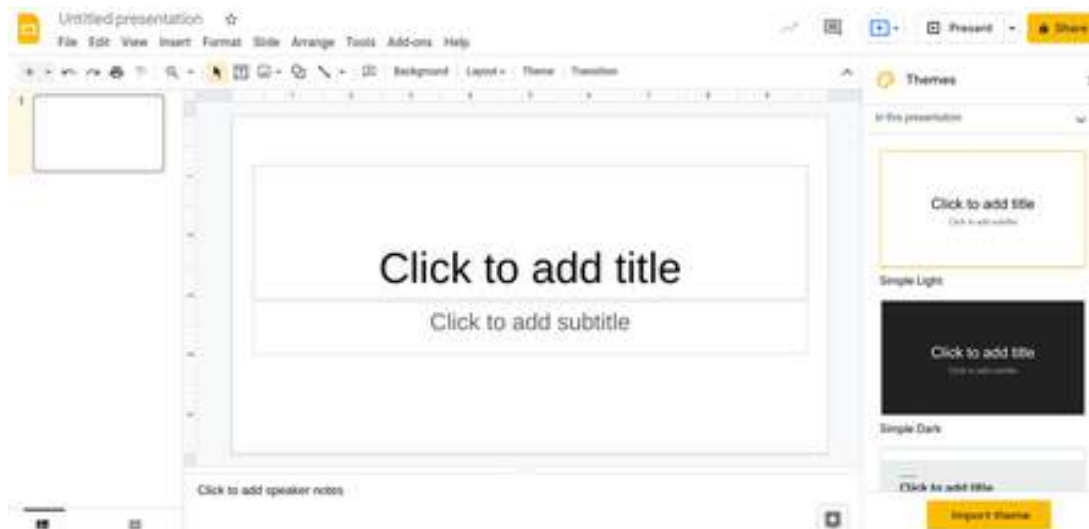


- It is a tool for taking live meetings.
- Google Meet Securely connects, collaborate and celebrate from anywhere.
- With Google Meet, everyone can safely create and join high-quality video meetings for groups of up to 250 people.



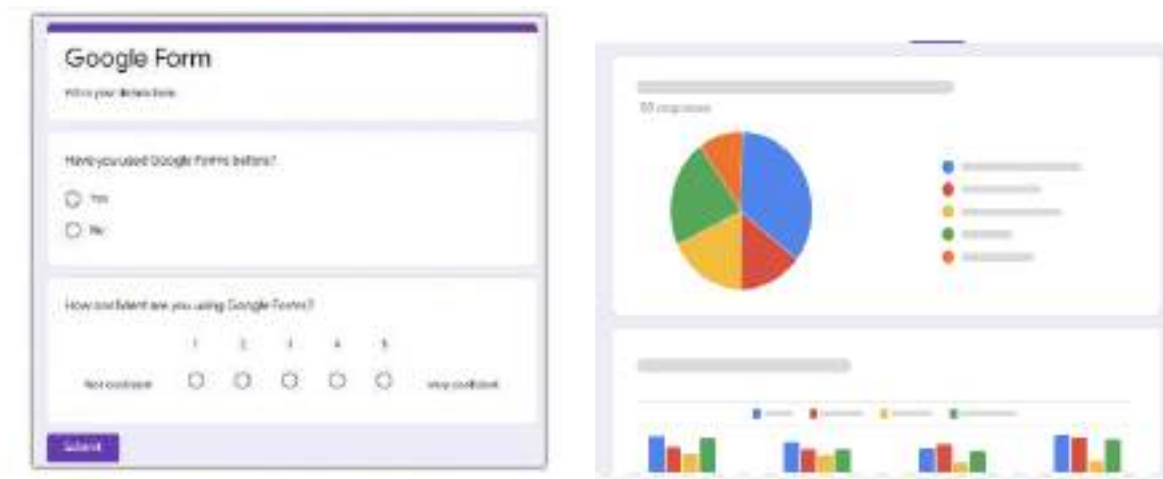
### 3. Google Slides

- Google Slides is an online presentation app that lets you create and format presentations and work with other people.
- We can Easily edit Microsoft PowerPoint presentations online without converting them, and layer on Slides' enhanced collaborative and assistive features like comments, action items, and Smart Compose.



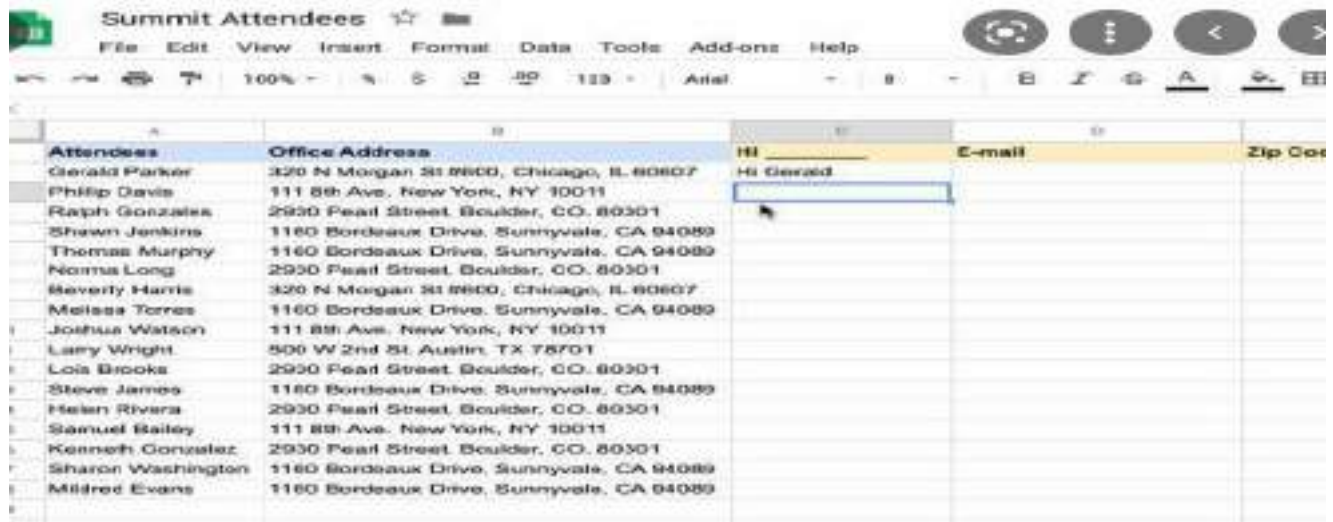
#### 4. Google Forms

- Google Forms is survey administration software included as part of the free, web-based Google Docs Editors suite offered by Google.
- The service also includes Google Docs, Google Sheets, Google Slides, Google Drawings, Google Sites, and Google Keep.
- Google Forms is only available as a web application.
- The app allows users to create and edit surveys online while collaborating with other users in real-time.
- The collected information can be automatically entered into a spreadsheet.
- We can Take Quizzes through Google Forms and can give immediate results.



#### 5. Google Sheets

- Google Sheets is a spreadsheet program included as part of the free, web-based Google Docs Editors suite offered by Google.
- The service also includes Google Docs, Google Slides, Google Drawings, Google Forms, Google Sites, and Google Keep.
- Google Sheets is available as a web application, mobile app for Android, iOS, Windows, BlackBerry, and as a desktop application on Google's Chrome OS.
- The app is compatible with Microsoft Excel file formats.

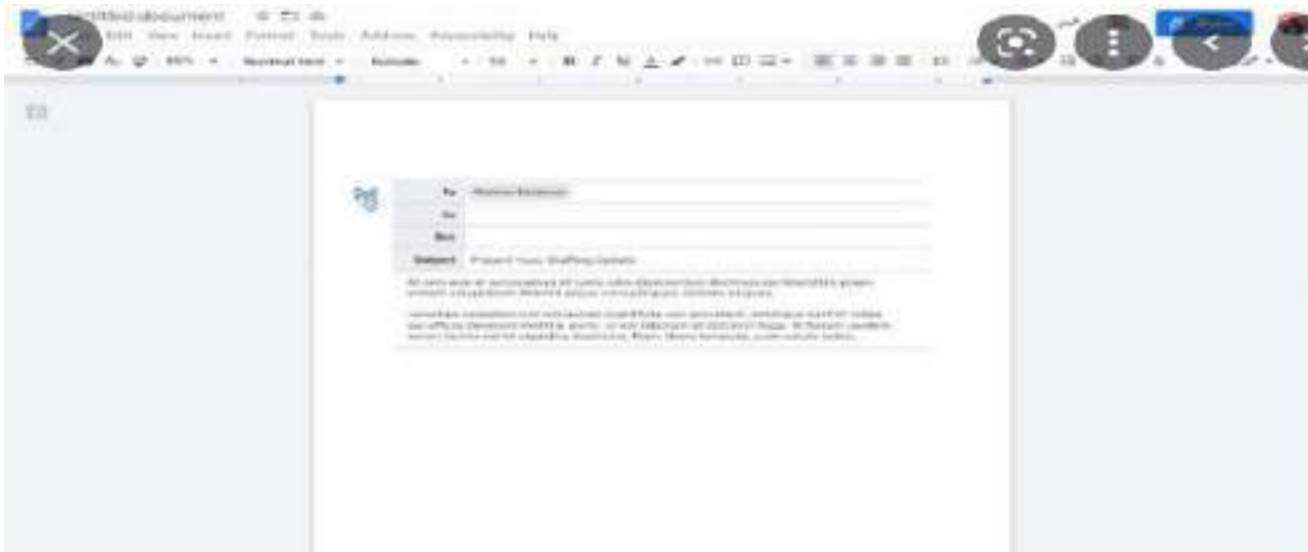


The screenshot shows a Microsoft Excel spreadsheet titled "Summit Attendees". The spreadsheet has five columns: "Attendees", "Office Address", "Hi", "E-mail", and "Zip Code". The "Hi" column contains the text "Hi Gerald" in the first row. The "Attendees" column lists names, and the "Office Address" column lists corresponding addresses. The "Zip Code" column is empty.

Attendees	Office Address	Hi	E-mail	Zip Code
Gerald Parker	320 N Morgan St #600, Chicago, IL 60607	Hi Gerald		
Philip Davis	111 8th Ave, New York, NY 10011			
Ralph Gonzalez	2930 Pearl Street, Boulder, CO 80301			
Shawn Jenkins	1160 Bordeaux Drive, Sunnyvale, CA 94089			
Thomas Murphy	1160 Bordeaux Drive, Sunnyvale, CA 94089			
Norma Long	2930 Pearl Street, Boulder, CO 80301			
Beverly Harris	320 N Morgan St #600, Chicago, IL 60607			
Melissa Torres	1160 Bordeaux Drive, Sunnyvale, CA 94089			
Joshua Watson	111 8th Ave, New York, NY 10011			
Larry Wright	500 W 2nd St, Austin, TX 78701			
Lois Brooks	2930 Pearl Street, Boulder, CO 80301			
Steve James	1160 Bordeaux Drive, Sunnyvale, CA 94089			
Helen Rivera	2930 Pearl Street, Boulder, CO 80301			
Samuel Bailey	111 8th Ave, New York, NY 10011			
Kenneth Gonzalez	2930 Pearl Street, Boulder, CO 80301			
Sharon Washington	1160 Bordeaux Drive, Sunnyvale, CA 94089			
Mildred Evans	1160 Bordeaux Drive, Sunnyvale, CA 94089			

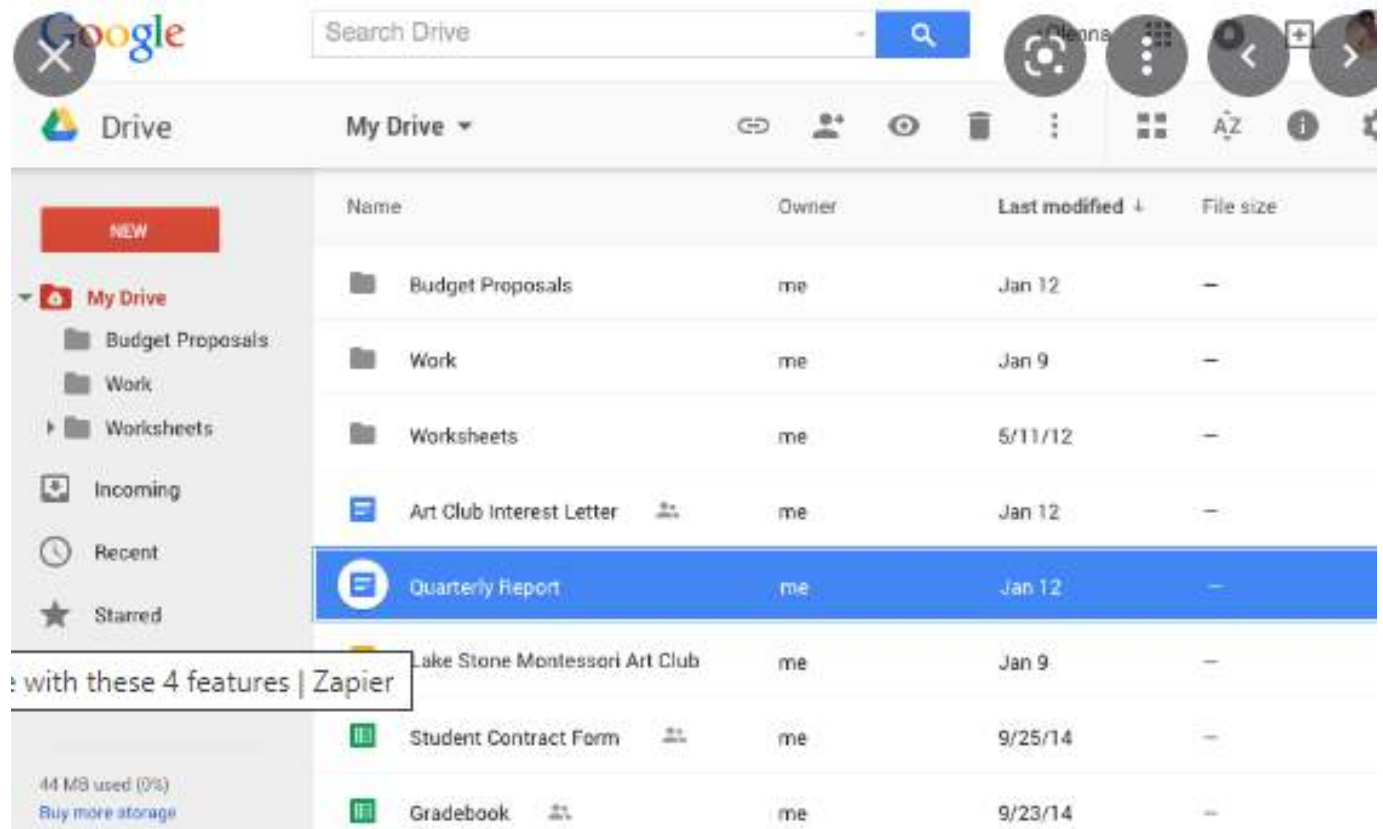
## 6. Google Docs

- Google Docs is an online word processor included as part of the free, web-based Google Docs Editors suite offered by Google, which also includes Google Sheets, Google Slides, Google Drawings, Google Forms, Google Sites, and Google Keep.
- Google Docs is accessible via an internet browser as a web-based application and is also available as a mobile app on Android and iOS and as a desktop application on Google's Chrome OS.



## 7. Google Drive

Google Drive is a file storage and synchronization service developed by Google. Launched on April 24, 2012, Google Drive allows users to store files in the cloud (on Google's servers), synchronize files across devices, and share files. In addition to a web interface, Google Drive offers apps with offline capabilities for Windows and macOS computers, and Android and iOS smartphones and tablets. Google Drive encompasses Google Docs, Google Sheets, and Google Slides, which are a part of the Google Docs Editors office suite that permits collaborative editing of documents, spreadsheets, presentations, drawings, forms, and more. Files created and edited through the Google Docs suite are saved in Google Drive.



The screenshot displays the Google Drive web interface. At the top, there is a Google logo, a search bar labeled "Search Drive", and navigation icons. Below the header, the "My Drive" section is active, showing a list of files and folders. The left sidebar contains a "NEW" button and a list of folders: "My Drive", "Budget Proposals", "Work", "Worksheets", "Incoming", "Recent", and "Starred". The main content area shows a table of files and folders. The "Quarterly Report" file is highlighted in blue. A tooltip is visible over the "Lake Stone Montessori Art Club" file, displaying the text "with these 4 features | Zapier". At the bottom left, a storage usage indicator shows "44 MB used (0%)" and a link to "Buy more storage".

Name	Owner	Last modified	File size
Budget Proposals	me	Jan 12	—
Work	me	Jan 9	—
Worksheets	me	5/11/12	—
Art Club Interest Letter	me	Jan 12	—
Quarterly Report	me	Jan 12	—
Lake Stone Montessori Art Club	me	Jan 9	—
Student Contract Form	me	9/25/14	—
Gradebook	me	9/23/14	—



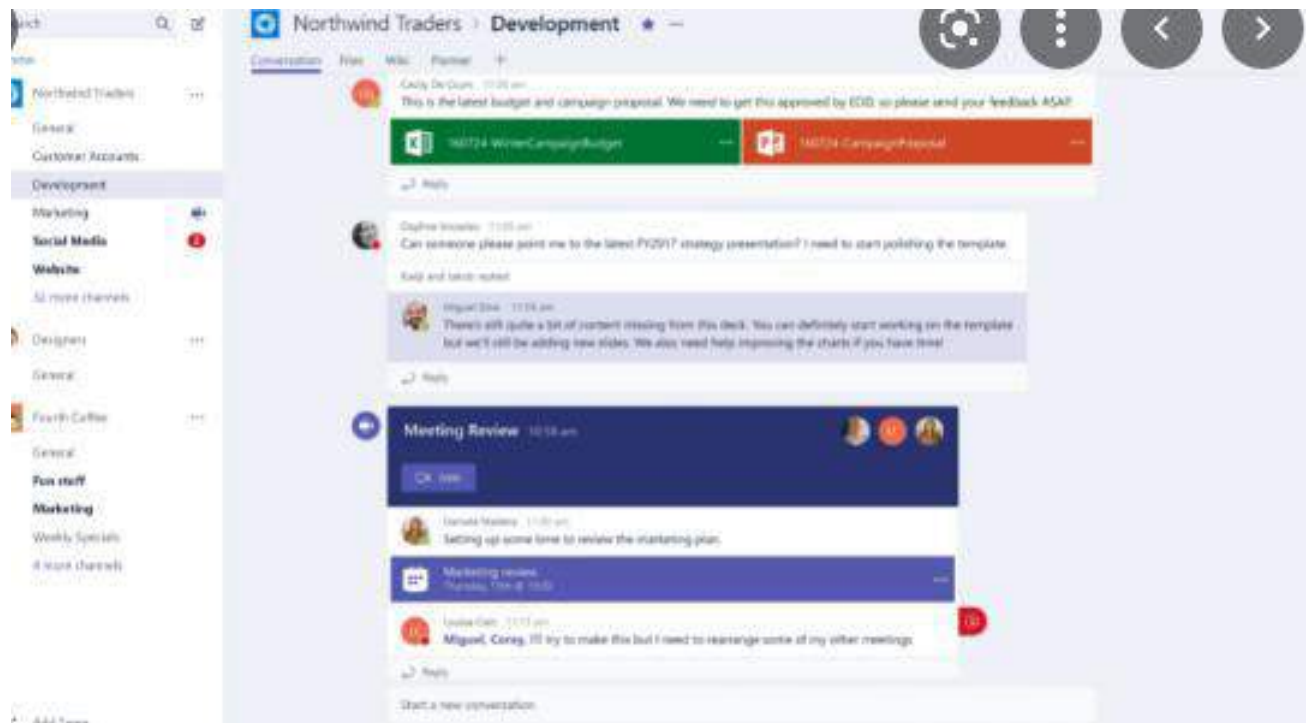
## 8. Google Jam board

Jamboard is a digital interactive whiteboard developed by Google to work with Google Workspace, formerly known as G Suite. It was officially announced on 25 October 2016. It has a 55" 4K touchscreen display and can be used for online collaboration using Google Workspace. The display can also be mounted onto a wall or be configured into a stand.



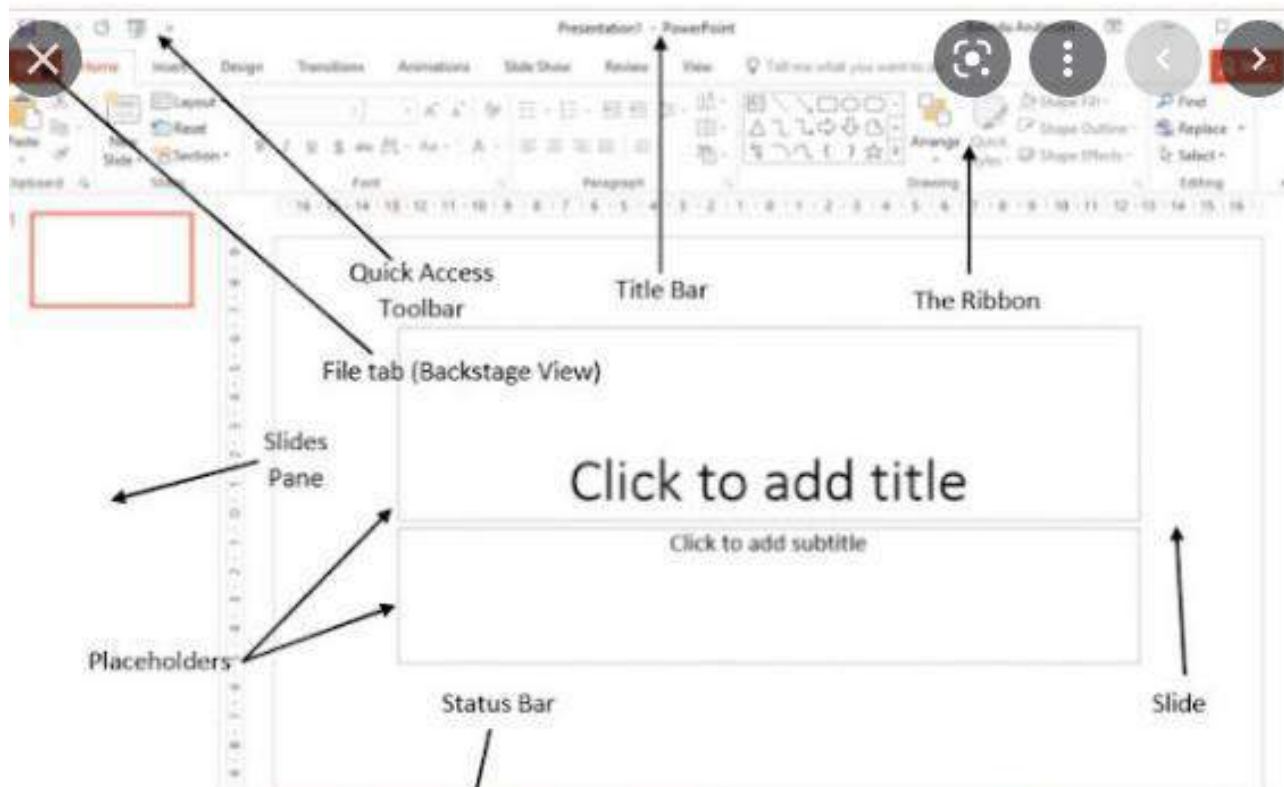
## 9. Microsoft Teams

Microsoft Teams is a proprietary business communication platform developed by Microsoft, as part of the Microsoft 365 family of products. Teams primarily competes with the similar service Slack, offering workspace chat and videoconferencing, file storage, and application integration. Teams is replacing other Microsoft-operated business messaging and collaboration platforms, including Skype for Business and Microsoft Classroom. Throughout the COVID-19 pandemic, Teams, and other software such as Zoom and Google Meet, gained much interest as many meetings have moved to a virtual environment. As of 2021, it has about 250 million monthly users.



## 10. Microsoft PowerPoint

PowerPoint was originally designed to provide visuals for group presentations within business organizations, but has come to be very widely used in many other communication situations, both in business and beyond. The impact of this much wider use of PowerPoint has been experienced as a powerful change throughout society, with strong reactions including advice that it should be used less, should be used differently, or should be used better.



## 11. Microsoft Word

Microsoft Word Microsoft Office Word (2019–present).svg is Microsoft's flagship word processing software. It was first released in 1983 under the name Multi-Tool Word for Xenix systems. Versions were later written for several other platforms including IBM PCs running DOS (1983), the Apple Macintosh (1984), SCO UNIX, OS/2 and Microsoft Windows (1989). It is a component of the Microsoft Office system; however, it is also sold as a standalone product and included in Microsoft Works Suite. Beginning with the 2003 version, the branding was revised to emphasize Word's identity as a component within the Office suite: Microsoft began calling it Microsoft Office Word instead of merely Microsoft Word. Nomenclature usage in the wild is currently in flux, with both names being commonly used. The latest release is Word 2021.

## Page Management group



## 12. Microsoft Excel

Microsoft Excel is a spreadsheet developed by Microsoft for Windows, macOS, Android and iOS. It features calculation or computation capabilities, graphing tools, pivot tables, and a macro programming language called Visual Basic for Applications (VBA). Excel forms part of the Microsoft Office suite of software.





### 13. Microsoft Forms

Microsoft Forms (formerly Office Forms) is an online survey creator, part of Office 365.[1] Released by Microsoft in June 2016, Forms allows users to create surveys and quizzes with automatic marking.[2] The data can be exported to Microsoft Excel.

In 2019, Microsoft released a preview of Forms Pro which gives users the ability to export data into a Power BI dashboard.[4]

The screenshot displays the Microsoft Forms interface. At the top, there's a header with 'Fragen' and navigation icons. Below this, a survey titled 'Event Test Registration' is shown with a description field labeled 'Eine Beschreibung eingeben'. A toolbar contains icons for adding questions: 'Auswahl' (radio button), 'Text' (text box), 'Bewertung' (thumbs up), and 'Datum' (calendar). Below the toolbar, a section titled 'Vorgeschlagene Fragen' (Suggested Questions) lists several pre-made questions: 'First Name', 'Last Name', 'Organization', 'Job title', 'Email address', and 'Questions or comments'. Each question has a small icon to its right. A link 'Alle hinzufügen' (Add all) is visible at the top right of the suggested questions list.

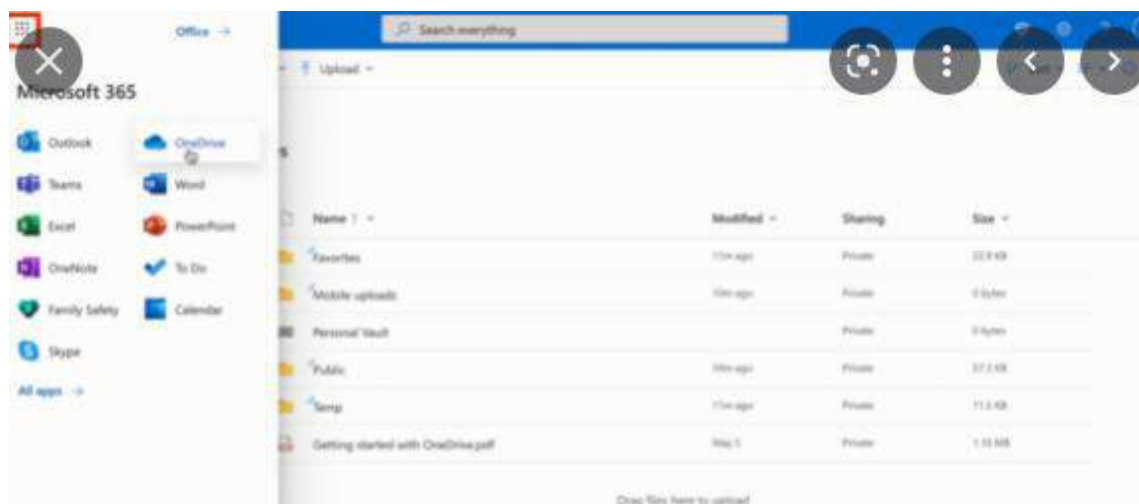
### 14. Microsoft OneNote

Microsoft OneNote is a note-taking program for free-form information gathering and multi-user collaboration. It gathers users' notes, drawings, screen clippings, and audio commentaries. Notes can be shared with other OneNote users over the Internet or a network. OneNote is available as part of the Microsoft Office suite,[6] it is also available as a free, standalone app via the official website, the app stores of Windows 10, macOS, iOS and Android.[7] Microsoft also provides a web-based version of OneNote as part of OneDrive and Office for the web.



## 15. Microsoft Open Drive

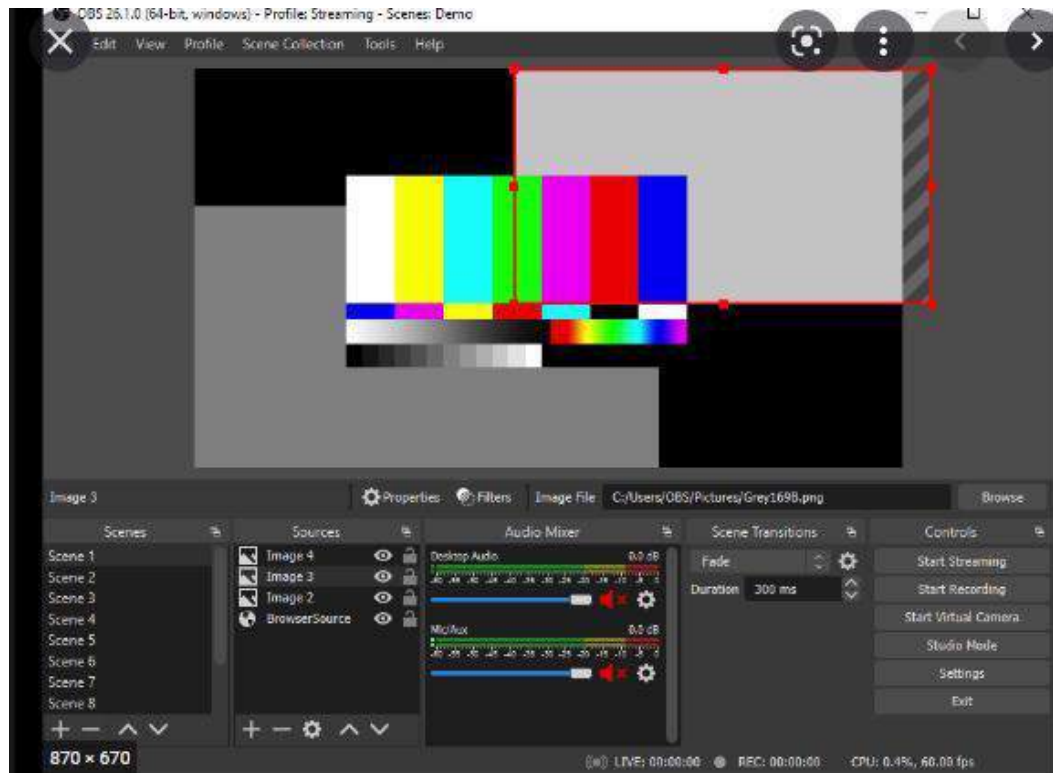
Microsoft OneDrive is a file hosting service that Microsoft operates. First launched in August 2007, it enables registered users to share and synchronize their files. OneDrive also works as the storage back-end of the web version of Microsoft Office.



## 16. Open Broadcaster Software (OBS)

OBS Studio is a free, open-source, and cross-platform screencasting and streaming app. It is available for Windows, macOS, Linux distributions, and BSD. OBS Project raises funds on

Open Collective and Patreon.

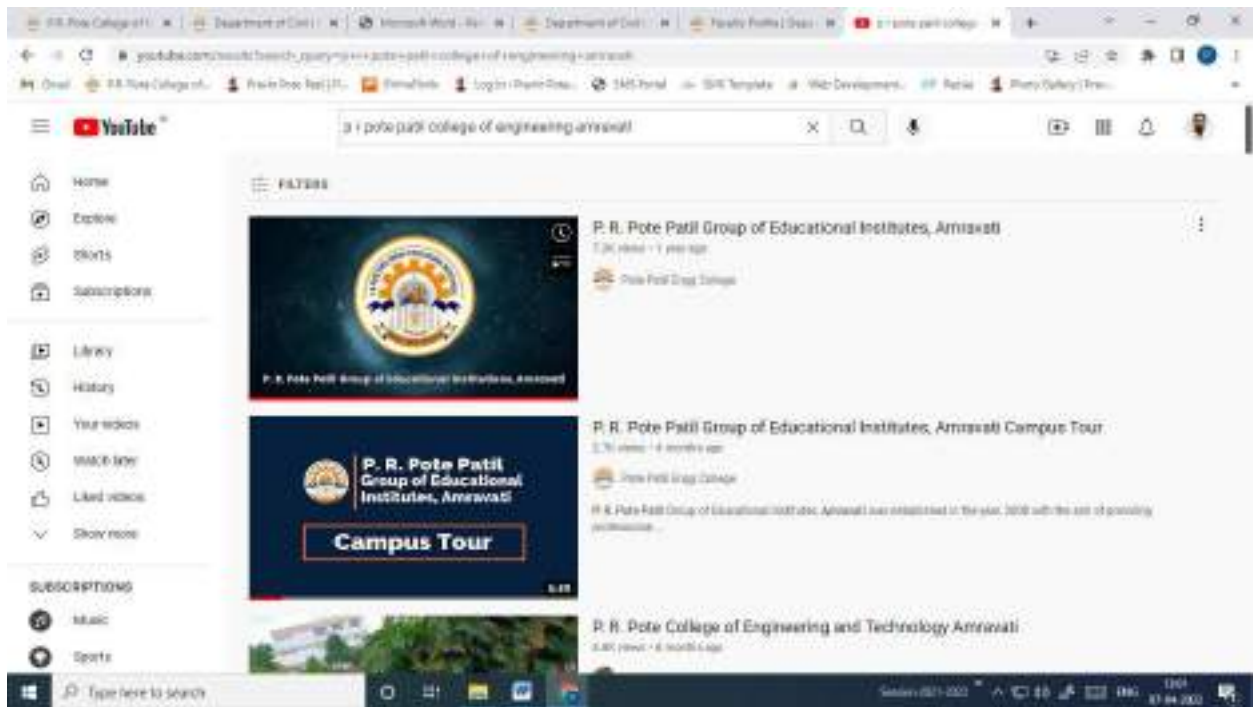


## 17. Open Shot Video Editor

## 18. YouTube

YouTube is an American online video sharing and social media platform headquartered in San Bruno, California. It was launched on February 14, 2005, by Steve Chen, Chad Hurley, and Jawed Karim. Owned by Google, it is the second most visited website, right after Google itself. YouTube has more than one billion monthly users who collectively watch more than one billion hours of videos each day. As of May 2019, videos were being uploaded at a rate of more than 500 hours of content per minute.





## 19. Zoom

Zoom Meetings is a proprietary videotelephony software program developed by Zoom Video Communications. The free plan allows up to 100 concurrent participants, with a 40 minute time restriction. Users have the option to upgrade by subscribing to a paid plan



## 20. WebEx

Webex by Cisco is an American company that develops and sells web conferencing, videoconferencing, Unified communications as a service, and contact center as a service

applications. It was founded as WebEx in 1995 and taken over by Cisco Systems in 2007. Its headquarters are in San Jose, California.



(Dr. S. B. Warkad)  
IQAC Coordinator



(Dr. A. V. Kale)  
Principal



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### List of ICT Tools Used by Faculty for Effective Teaching Learning Process

Sr. No.	ICT Tools	Sr. No.	ICT Tools
1	Google Classroom	14	Microsoft OneNote
2	Google Meet	15	Microsoft Open Drive
3	Google Slides	16	Open Broadcaster Software (OBS)
4	Google Forms	17	Open Shot Video Editor
5	Google Sheets	18	YouTube
6	Google Docs	19	Zoom
7	Google Drive	20	WebEx
8	Google Jam board	21	VS Code Editor
9	Microsoft Teams	22	Paint
10	Microsoft PowerPoint	23	Screen Recorder
11	Microsoft Word	24	Virtual Lab (IIT Bombay)
12	Microsoft Excel	25	IIT Spoken Tutorial
13	Microsoft Forms		



*(Signature)*  
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***Electrical Engineering Department***

Name Of Faculty	ICT Tool Used	Remark
Prof.D.A.Shahakar	Google Sheets , YouTube, Google Meet, Zoom, WebEx	<ul style="list-style-type: none"><li>• Academic</li><li>• Subject Lecture</li><li>• Discussion session</li><li>• Guest Lecture</li><li>• Online Meeting With Student ,staff&amp;Other</li></ul>
Dr. S.B.Warkhad	WebEx, Screen Recorder, Open Broadcaster Software (OBS), Google Slides	<ul style="list-style-type: none"><li>• Academic</li><li>• Subject Lecture</li><li>• Discussion session</li><li>• Formation of Subject Video</li></ul>
Dr A.S Telang	YouTube, Google Meet, Zoom IIT Spoken Tutorial	<ul style="list-style-type: none"><li>• Academic</li><li>• Subject Lecture</li><li>• Discussion session</li><li>• STDP,FDP</li></ul>
Prof.A.A.Ghute	Microsoft Excel, Open Broadcaster Software (OBS), Zoom	<ul style="list-style-type: none"><li>• Academic</li><li>• Subject Lecture</li><li>• Discussion session</li><li>• Formation of Subject Video</li></ul>
Prof. P.R.Rane	Paint, Open Shot Video Editor, Zoom	<ul style="list-style-type: none"><li>• Academic</li><li>• Subject Lecture</li><li>• Discussion session</li><li>• STDP,FDP</li></ul>
Prof. Y.D.Shahakar	Paint Screen Recorder . WebEx, Screen Recorder,	<ul style="list-style-type: none"><li>• Academic</li><li>• Subject Lecture</li><li>• Discussion session</li><li>• STDP,FDP</li></ul>





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Prof.S.A.Jalit	Google Classroom Google Meet Google Slides Google Forms	<ul style="list-style-type: none"><li>• Academic</li><li>• Subject Lecture</li><li>• Discussion session</li><li>• Formation of Subject Video</li></ul>
Prof.P.M.Mankar	Microsoft OneNote, Microsoft PowerPoint, Google Jam board, Microsoft Open Drive	<ul style="list-style-type: none"><li>• Academic</li><li>• Subject Lecture</li><li>• Discussion session</li><li>• Formation of Subject Video</li></ul>
Prof.A.K.Duchakke	Paint Screen Recorder . WebEx, Screen Recorder	<ul style="list-style-type: none"><li>• Academic</li><li>• Subject Lecture</li><li>• Discussion session</li><li>• Formation of Subject Video</li></ul>
Prof.A.P.Pundkar	Virtual Lab (IIT Bombay), WebEx	<ul style="list-style-type: none"><li>• Academic</li><li>• Subject Lecture</li><li>• Discussion session</li><li>• Virtual Lab</li></ul>
Prof. S.V.Kalmegh	Microsoft Teams YouTube, Google Meet, Zoom	<ul style="list-style-type: none"><li>• Academic</li><li>• Subject Lecture</li><li>• Discussion session</li></ul> Formation of Subject Video

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



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The list of various ICT enabled pedagogical initiatives used by the faculty members are as follows

1] White board and marker (Lecture Method):



Prof. Aparna Bhande HoD of MCA department explaining the topic for the session 2021-22

To convey basics, critical information, history, background, theories and equations.



Prof. A. P. Dhande, Assistant Professor, EXTC department explaining "Power Electronics" subject to BE EXTC 6<sup>th</sup> Semester students by using Green board for the session 2018-1



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Prof. Y. D. Shahakar, Assistant Professor, EE Department taking class on the topic of "Numerical Methods" through whiteboard and PPT for the session 2021-22

2] Online Teaching: Faculty made as wifi transition from classroom to online teaching by using platforms like Google meet, Google classroom, ZOOM, CISCO WEBEX and You-Tube

**YouTube**

**P. R. Pote (Patil) College of Engineering & Mgmt., Amravati**  
**Department of Electrical Engineering**  
**High Voltage Testing of Surge Arrester**

In Table 10.1, the impulse current ratings of the High Voltage Testing of Surge Arrester in relation to their voltage are given, and the testing is usually done at these current ratings.

**Table 10.1 Surge Diverter Voltage and Current Ratings**

Diverter class	Diverter rating	Impulse current rating (8/20 $\mu$ s) (Amperes)	High current rating (4/10 $\mu$ s) (Amperes)	Long duration rating—duration is given in $\mu$ s (Amperes)
A	Low voltage (230 V to 600 V)	1500 2500	10,000 25,000	50 (500 $\mu$ s)
B	Distribution voltages (400 V to 33 kV)	5000	65,000	75 (1000 $\mu$ s)
C	Station type lightning arresters (11 kV and above)	10,000	100,000	150 (2000 $\mu$ s)

Prof. D.A.Shahakar, HOD, Department of EE is explaining the topic through ICT tool. (Using YouTube Lecture) for the session 2020-21



"Shri Gajanan Maharaj Prasanna"

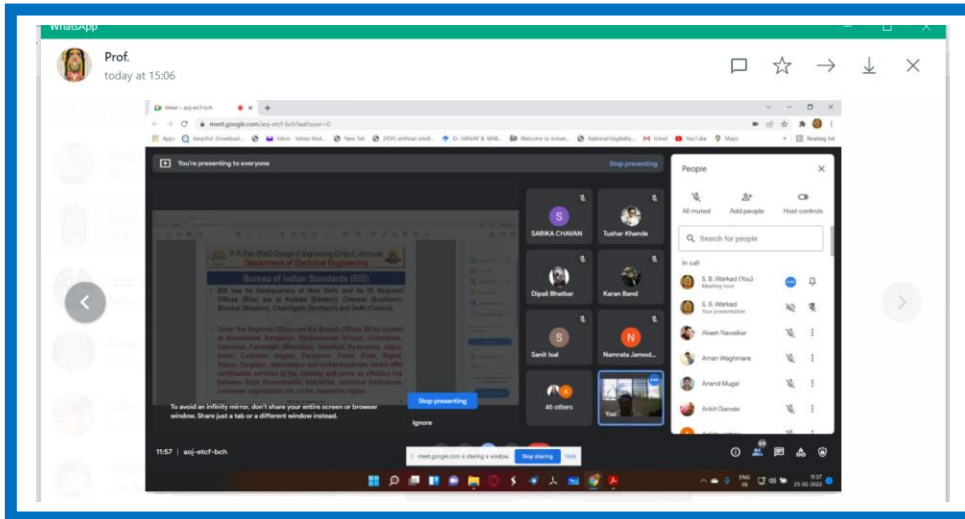
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**Dr.S.B. Warkad, Asso. Professor, EE is explaining about “Relays and Protection of Transmission lines” in Switchgear and Protection subject for B.E SGP–VII SEM students by using Google Classroom Environment for the session 2021-22**

**3] Course Handouts:** Course handout consists of Video lectures, Lecture Notes, Assignment questions, Tutorial questions and answers a model question paper sharing using ICT tools like Google Classroom, Edu-blogsetc.







"Shri Gajanan Maharaj Prasanna"

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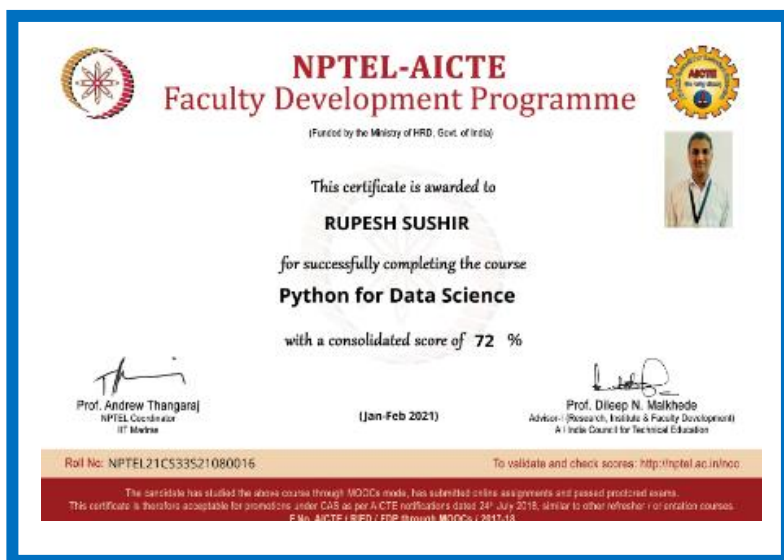
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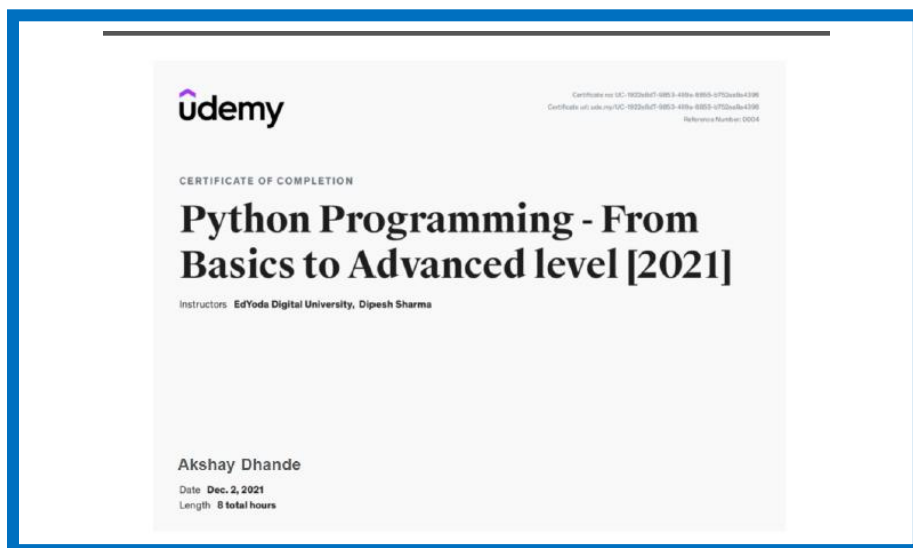


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- Web. : www.prpcem.org, www.prpateilcollege.org

4] 4] **Massive Open online course:** Faculty enroll for various courses like NPTEL, COURSERA, SPOKEN TUTORIAL, IEEE and other MOOCs for better understanding of the subject and encourages the students to get certified.



**Prof. R. D. Sushir, Assistant Professor completed NPTEL course on “Python Data Science” with the 72% score on Jan-Feb 2021.**



**Prof. A. P. Dhande, Assistant Professor completed Udemy online course on “Python programming” on Dec. 2021**



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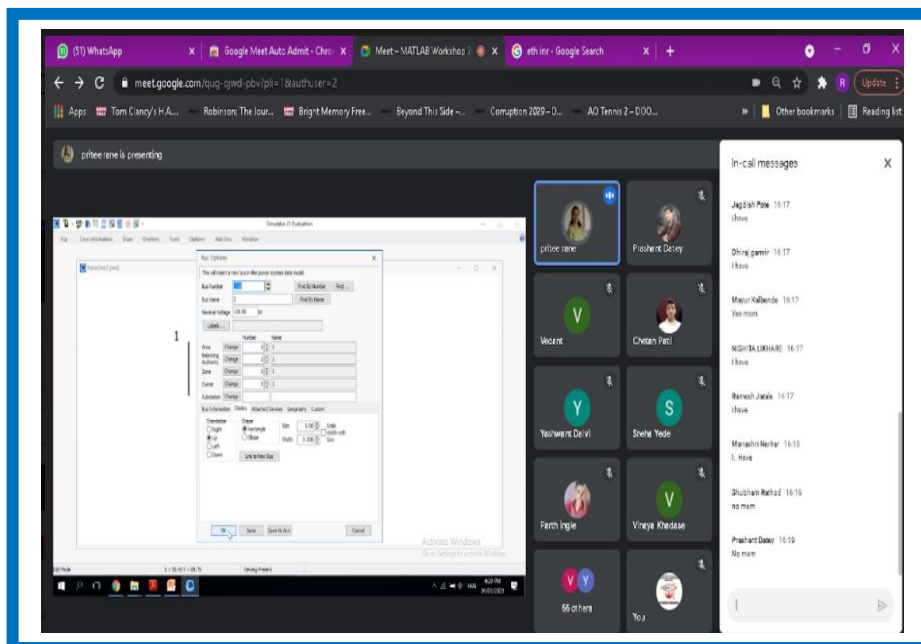
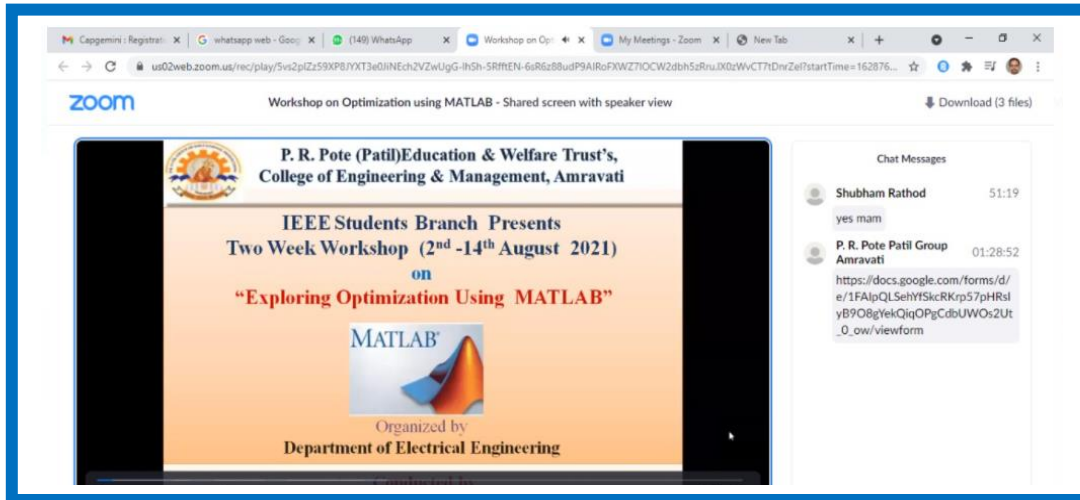
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**5] Courseware:** Various departments train the students in the use of subject specific software's like MATALAB, VLSI, Xilinx, e-sim, CAD CAM etc for executing laboratory experiments and also to implement innovative ideas.



**Prof.P.R.Rane, Assistant Professor, EE explaining the topic of “Exploring Optimization Using MATLAB” through ICT tool for the session 2021-22**



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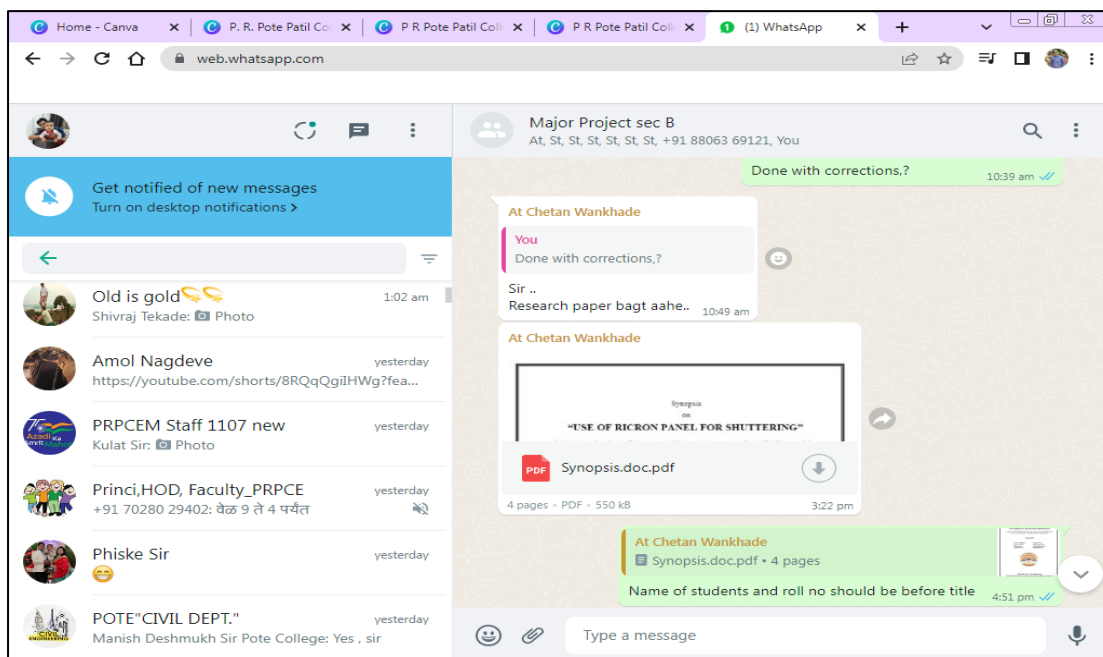
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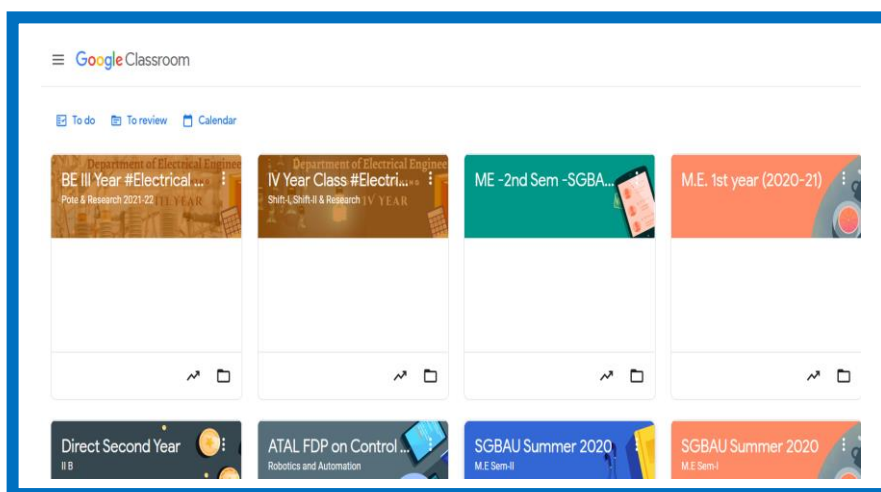
## 6] Social Media in Education:

Faculty members use the social media platforms like WhatsApp and Telegram to connect with the students for sharing information.



**Class coordinators of Civil Department shared technical and academic activities using WhatsApp as social media for the session 2020-21**

**7] Google Classroom: ME faculty using Google classroom for Create and manage classes, assignments, and grades online without paper and materials to your assignment.**



**As during the online classes it was not possible for the faculties to contact the students , but the data from the students were required so they started using google sheet which was shared with the students to fill the data online for the session 2021-22**





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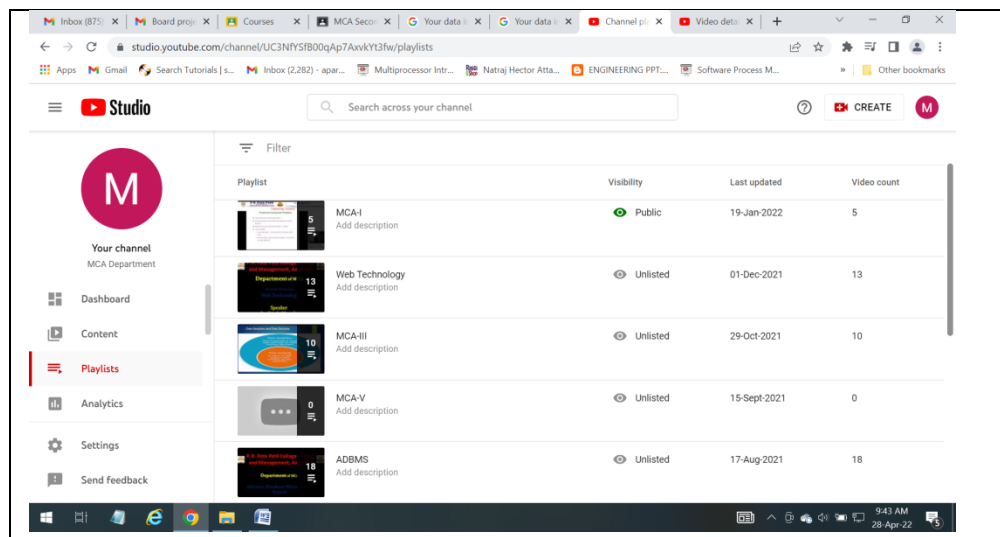
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## 10] You Tube – playlists for all subjects



Faculty of Each department prepared video lectures for all subjects & shared with students for the session 2020-21& 2021-22

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