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INSTITUTE OF INFORMATION TECHNOLOGY
ADDING VALUE TO ENGINEERING

Approved by AICTE New Delhi, Recognized by the Government of Maharashtra
and Affiliated to Savitribai Phule Pune University.
Accredited by NAAC with A grade



DEPARTMENT OF ELECTRICAL ENGINEERING

ELECTROGRAPH !

THE NEWS LETTER OF ELECTRICAL ENGINEERING

Program Education Objectives (PEOs)

-Equip students with skills to excel in academic and professional career.

-Inculcate ability in the students to investigate problems in engineering and provide effective solutions.

-Prepare graduates to engage in lifelong learning by developing in them professional social and Ethical attitude.

PROGRAM OUTCOMES (POs)

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

PO2. Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. [Problem analysis]

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

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

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

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

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

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

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

PO11. Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. [Project management and finance]

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

Students placed in academic year 2018-19

S N	Name of Student	Name of company
1	Akash Salunkhe	TATA Consulting Engineering Ltd.
2	Ghana Thakur	TATA Consulting Engineering Ltd.
3	Khomane Sagar	Prepka Eduserv Pvt. Ltd
4	Akshay Walke	Indian Navy
5	Akshay Walke	Amazon Development Centre (India) Pvt. Ltd.
6	Krisna Dhonddev	Amazon Development Centre (India) Pvt. Ltd.
7	Kshitija Patil	Amazon Development Centre (India) Pvt. Ltd.
8	Sayali Ghodke	Amazon Development Centre (India) Pvt. Ltd.
9	Ankush Deore	Amazon Development Centre (India) Pvt. Ltd.
10	Vishaldada Pamane	Prepka Eduserv Pvt. Ltd
11	Sayali Paraye	Amazon Development Centre (India) Pvt. Ltd.
12	Rahul Patil	TATA STRIVE, Pune
13	Sachin Bhanvas	TATA STRIVE, Pune
14	Kiran Rathod	TATA STRIVE, Pune
15	Ruturaj Bokil	Talentedge Education venture Pvt. Ltd, Pune
16	Durgesh Nikam	District Court, Pune

Activities

- **Soft Skill Training,**
- **PLC-SCADA Hands on Training Workshop,**
- **IE(I)activity: Electro-funda Competition,**
- **Consultancy under Power Quality & Energy Cell**
- **Renewable Energy Club Activity :Energy Conservation Drive**
- **T&P:GD,Debate Competition**
- **EESA: Extracurricular Activities**



Toppers

Shivani Shinde	(SE) 9.0 CGPA
Bhagyashree Patil	(TE) 9.65CGPA
Aditi Chimanpure	(TE) 9.65 CGPA
Anjali Phasale	(TE) 9.65 CGPA
Omkar Zanje	(BE) 9.5 CGPA



Accolades

- **Arpit Ghate(SE) Secured 1st Prize at COEP MakeAthon ,Mindspark Event .**
- **Rahul Patil (BE): Secured 1st prize at India International Science Festival, Model making Competition.**

Paper Publication (Journal)

Sr. No.	Name of the Teacher/ Author	Title of the Paper	Name of the Journal/ Proceeding/ Edited Books	Volume & Pages	Year of Publication	ISBN/ISSN No.
1	Mr.Sachin Shelar	Design and Development of Active-Power Factor Correction based Zeta-Converter for power quality enhancement in Brushless DC motor drive.	Journal of Emerging Technologies and Innovative Research	Volume 5 Issue 9	Sept 2018	ISSN: 2349-5162
2	Mrs. A.D. Shiralkar	Robust output Feedback control of electro-hydraulic System.	International Journal of Dynamics & Control -Springer	1-13	Jun 2018	ISBN: 2195-2698
3	Mrs. K.S.Gadgil	Implementation Of 15 Level 10 Switch Dc Source Switched Inverter-And Comparison Of Its Parameter-With 15 Level 16 Switch H-Bridge Inverter By Simulation.	Journal of Emerging Technologies and InnovativeResearch (JETIR)	5-9	Sept 2018	ISSN: 2349-5162

Books Publication

Sr. No	Name of the Author	Title of the Book	Name of the Publishers	Date of Publication	ISBN/ISSN NO.
1	Mr. S. M. Chaudhari	Measurement and Instrumentation	TECHMAX Publication	Sept 2018	ISBN 978-93-88314-18-3
2	Mr. S. M. Chaudhari	Electronics Measurements and Instrumentation	TECHMAX Publication	July2018	ISBN 978-93-87656-60-4

Resource Person

Sr. No	Faculty Name	Date & Place	Details
1	Mr. S. M. Chaudhari	04/10/2018 JSPM's Rajarshi Shahu College of Engineering , Tathawade , Pune	Invited to deliver an lecture and conduct mock practical on Electrical Measurements and Instrumentation
2	Sachin Shelar	03/10/2018 Trinity College of Engineering and Research, Pune	Delivered expert lecture on "Recent trends in Power Quality" to final year studetns of Trinity College of Engineering and Research, Pune.
3	Sachin Shelar	27 /11/ 2018 D Y Patil Institute of Technology, Pune	Resource person at D Y Patil Institute of Technology ,Seminar on "Art of Reading Revised Electricity Bill"
4	Mrs . K. S. Gadgil	23-24/11/2018 Sinhadgad Institute of Technology , Lonavala	Reviewer for 2 nd IEEE Global Conference on Wireless computing and networking. Track- Advanced Smart Grid and Power System.
5	Mr.Prashant Mahajan	31/07/2018 D Y Patil Institute of Engineering and Technology, Pune	Invited to deliver an lecture on Advance Microcontroller and it's Applications
6	Mrs.Sujata Powniker	12/09/2018 AISSMS COE, Pune	Invited as a Judge for Paper presentation competition for the ET Event.

The greatest threat to our planet is the belief that someone else will save it– Robert Swann

The nation that leads in renewable energy will be nation that leads the world-James Cameron

Vision : Contribute to the society by imparting quality education in the field of Electrical Engineering & prepare students to succeed in their professional career by inculcating in them high.

Teaching Staff who attended Workshops/ Seminars.

SN	Name of Staff	Event	Organized by	Date /Duration
1	Mrs.A.D.Shiralkar	IEEE Student Branch Meeting regarding Roadmap 18-19	TCS, under IEEE Pune Section	17 Jul 2018
2	Mrs . K. S. Gadgil	FDP on Counselling and Mentoring Skills	FDC SPPU	20 Aug- 26 2018
3	Mrs . K. S. Gadgil	STTP on “Outcome Based Pedagogic Principles for Effective Teaching”	NPTEL Online Certification-IIT Kharagpur	4 Weeks Aug- Oct 2018
4	Mr. S.S. Shingare	One week workshop on Advanced PLC Programming (Allen Bradley)	Government ITI Aundh, Pune	03- 07 Sept 2018
5	Mrs.S. M .Shaikh	FDP on “Microteaching”	FDC SPPU	07 days, 27Aug to 2 Sept. 2018
6	Mrs.S. M. Shaikh	STTP on “Introduction to Smart Grid”	NPTEL Online Certification-IIT Roorkee	8 weeks, Aug-Sept 2018
7	Mr. P P Mahajan	FDP on “Train the Trainer”	FDC SPPU	3-9 Sep 2018
8	Mrs. V. A. Yawale	STTP on “Outcome Based Pedagogic Principles for Effective Teaching”	NPTEL Online Certification-IIT Kharagpur	4 Weeks Aug- Oct 2018
9	Mrs. N M Rao	FDP on “Soft Skills for Teachers”	FDC SPPU	04 - 10 Sept 2018
10	Mrs. S N Powniker	STTP on Pedagogy for Online and Blended Teaching Learning Process	IIT Bombay NMEICT TK10	5 Weeks 13 Sept-18 Oct 2018
11	Mrs. S N Powniker	FDP on “Micro Electro mechanical Systems”	ISTE ,CMET,E & TC Dept	1 Week 25-30 June 2018

Non Teaching staff who attended Workshops.

Sr. No.	Name of Staff	Event	Organized by	Date and Event
1	Mrs.S. S. Ingle	ETAP Workshop	ETAP Automation,Pune	13-14 /06/ 2018
2		IOT based Affordable Agriculture and student transition and elevation Partnership Program	IEEE , Pune Section	27-29/09/2018
3		One day Student Solar Ambassadors Workshop	EED and IEEE Student Branch	2/10/2018
4	Mr. Rakesh Raut	One day Student Solar Ambassadors Workshop	EED and IEEE Student Branch	2/10/2018
5	Mr. Santosh Pawar	One day Student Solar Ambassadors Workshop	EED and IEEE Student Branch	2/10/2018
6	Mr. U. B. Waikar	One day Student Solar Ambassadors Workshop	EED and IEEE Student Branch	2/10/2018

Faculty Knowledge Forum

SN	Name of Staff	Date	Details of activities performed
1	Mrs.Saba Shaikh	03/08/2018	L & T Training activity details
2	Mr. S. M .Chaudhari	10/08/2018	Application of software tools for better understanding of the Technical concepts.
3	Mrs .A. D .Shiralkar	24/08/2018	Khodad visit, IEEE visit and project discussion
4	Mrs. K .S .Gadgil	14/09/2018	Counseling, motivation FDP knowledge sharing activity
5	Mr. P. P. Mahajan	21/09/2018	Train the Trainers-FDP knowledge sharing activity

Scientific progress is the discovery of a more & more comprehensive simplicity– Georges Lemaitre

The Best way to predict the future is to create it — Abraham Lincoln

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Industry Institute Interaction: Industrial Visits

N	Date	Class	Company	No.	Organized by/Attended by
1	06/07/2018	TE	MAHATRANSCO-220kV Parvati Substation, MSETCL EHV O&M DIVISION-1	41	1.Mrs.S.M.Shaikh, 2.Mrs. A. D. Shiralkar 3. Mrs. K. S. Gadgil 4.Mrs. S. S. Landge 5.Mrs V. A. Yawale, 6. Mr. P. P. Mahajan, 7.Mrs. N. M. Rao
2	10/07/2018	SE	Madhav Capacitors Pvt Ltd, Pune	50	1.Ms.Sujata Powniker 2.Mr. S. A. Asarkar
3	31/08/2018	BE	State Load Dispatch CenterThane – Belapur Rd ,Navi Mumbai 400708	51	1.Mr. S. S. Shingare 2.Mr. V. S. Kamble 3.Mrs. K. S. Gadgil
4	09/10/2018	BE	Akhilesh Electricals	35	1. Mr. S. S. Shingare 2. Mr. S. M. Chaudhari 3. Mr. P. P. Mahajan 4. Mrs. S. S. Landge 5. Mrs. V. A. Yawale 6. Mrs. N. M. Rao



BE Class Visit: Kalwa LDC



TE Class Visit: 220KV Parvati Substation, Pune

Professional Cell Activities

Date	Activity Details	Resource person/ Judge
2/10/18	IEEE Branch Student Solar Ambassador Workshop in association with IIT Bombay.	Mrs.A.D.Shiralkar,Mrs.V .A.Yawale Mrs.Saba Shaikh, Mrs.N M Rao Mr.Sanket Asarkar, Mrs.Suiata Pownikar
13-14/6/18	-Power Quality & Energy Cell ETAP Hands on Training. -PQ Cell-conducted 21 consultancy activities.	ETAP Automation, PQ Cell- Mr. S V Shelar
26-28/9/18	ISTE/IE(I) Branch A Three Day Practical Oriented Workshop on Industrial Approach in Electronics.	Mr. Chaudhari, Electronics Study Centre, Nashik.,Mr. V S Kamble
03-7/09/18	One week workshop on Advanced PLC Programming	Hi-Teh Training center, Government ITI Aundh, Pune, Mr. S S Shingare



SE Class Visit: MCPL Bhosari,



TE Class Expert Lecture:By Mr. Ashok Borgaonkar

Expert Lectures

Date	Activity Details	Speaker/ Judge	Organizer
24/07/18	"Electrical Safety and legal provisions in Electricity Act".-TE	Mr. Ashok Borgaonkar-Freelance Certified Energy Auditor,	Mrs.S.M.Shaikh
19/07/18	Gate preparation and Higher Education Opportunities-TE	Mr.K.L.Somani	Mrs. N M Rao
11/09/18	Interview skills and effective use of English language in communication. SE ,BE	Ms. Amrapali Aurangabadkar Shri Siddhivinayak Mahavidyalay , Pune	Mrs. K. S. Gadgil
26/09/18	Harmonic Case studies and New skills required by Today's Engineers-TE ,BE	Mr. Narendra Duvedi SAS Powertech Pvt. Ltd .	Mr. S. V. Shelar
01/10/ 18	Career as sales Engineer and Advanced measuring Instruments -BE ,SE	Mr. Guruprasad A Khaire Revine Tehnology Pvt. Ltd.Pune	Mrs. S. S. Landge Mr. S. M. Chaudhari
21/08/18	Importance of Control system-BE	Mr. Yogesh Ranga Senior Executive, Pune.	Mrs. V. A. Yawale



BE Class :PLC-SCADA Hi-Tech Advanced Vocational Training

Failure will never overtake me if my determination to succeed is strong enough– Dr. A. P. J. Abdul Kalam

**Edited By– Mr. S. M. Chaudhari, HOD Electrical Dept.
Composed By– Mrs. Sujata Powniker**