VIDYULATA

A Half Yearly Newsletter Issue/Vol. No. 7
December 2018

K.K. WAGH INSTITUTE OF ENGINEERING
EDUCATION AND RESEARCH
DEPARTMENT OF
ELECTRICAL ENGINEERING

CONTENTS

Title	Page No.
1.Vision and Mission	4
2.Program Educational Outcome & PSOs	5
3.Technical Article Trends in EVs and my journey to Tesla	8
4.Alumni Success Stories	9
5.Achievements: Students	10
6.Industrial Visits	11
7.Expert Lectures	12
8.Events Organised by Department	13
9.Events Attended by Students	13
10.Events Attended by Faculty	15
11.Editorial Board	17

CONTENTS

FROM THE DESK OF HOD

Friends,

It's immense pleasure to present this semi-annual newsletter "Vidyulata". Electrical Engineering Department is the dynamic and vibrant department with the blend of young and experienced Faculty.

Department is actively involved in academic as well as research work in current areas of Electrical Engineering and multi-disciplinary streams. The department has well equipped labs with the state-of-the-art software, hardware and machineries.

The faculty members are constantly publishing technical papers in National and International journals and conferences. Also, the department is offering consultancy services to many National/Multinational industrial organizations.

The department is fortunate to have dedicated teachers, devoted students, and committed supporting staff and expert technical staff.

Specially, I congratulate my students for participating in various extra-curricular activities, research work and competitive examinations. My best wishes to all for their bright carrier and successful life.

Dr. B. E. Kushare
Head of Electrical Engineering Dept.
bekushare@kkwagh.edu.in

VISION AND MISSION

Mission of the Institute

Committed to serve the needs of the society at large by imparting state-of-the-art Engineering education and to provide knowledge and develop ATTITUDE, SKILLS and VALUES, leading to establishment of quality conscious and sustainable research oriented Educational Institute.

Vision of the Institute

Empowering through quality technical education.

Vision of the Department

Development of all round, socially responsible, innovative electrical professionals and researchers leading to empowerment to serve needs of society, meet global challenges and emerge as Centre of Excellence.

Mission of the Department

M1: Establish vibrant learning environment to enable students for lifelong learning with ethical practices to face challenges of electrical engineering field and globalization by providing state-of-the-art infrastructural facilities.

M2: Promote active learning, critical thinking and engineering judgment coupled with business, entrepreneurial skills.

M3: Expose to recent technological advancements and industrial professional practices.

M4: Introduce PG Programs and establish recognized research centre.

M5: Provide conducive environment and promote intellectual (scholarly) pursuits for encouraging innovation, research, real world problems with multidisciplinary approach.

M6: Offer consultancy and R&D services to various social, educational, industrial and commercial organizations for self reliance.

M7: Establish centre of excellence in the field of power quality and energy management.

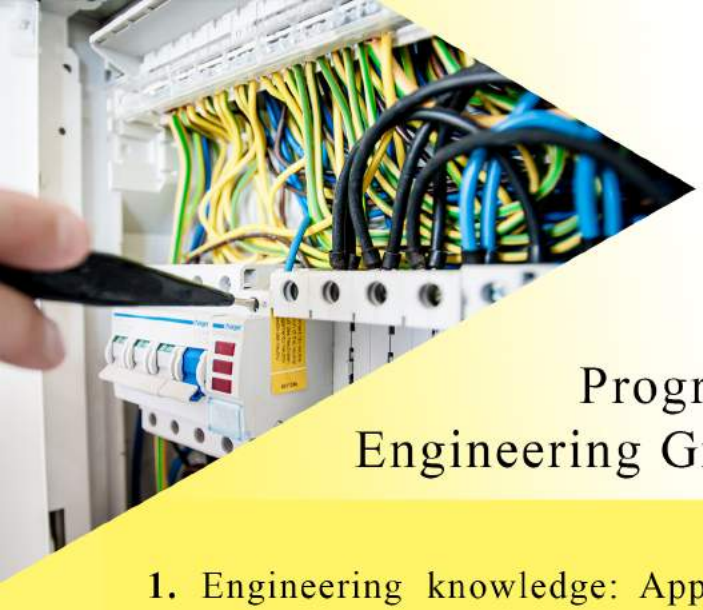
Program Educational Objectives

PEO1: To provide solid foundation in mathematics, science,humanity,environment and engineering fundamentals.

PEO2: To train students with wider electrical engineering concepts so as to comprehend, simulate, analyze, design, solve, draw inferences, realize and foster creativity, innovation and research to excel in technical field.

PEO3: To provide conducive academic environment to inculcate professional skills, ethical practices and soft skills leading to th entrepreneurship development, enhancement of employability, success in competitive examinations and life-long learning.

PEO4: To relate engineering issues to socio-economic context with multidisciplinary approach to address the problem of real world.



Program Outcomes:
Engineering Graduates will be able to:

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

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

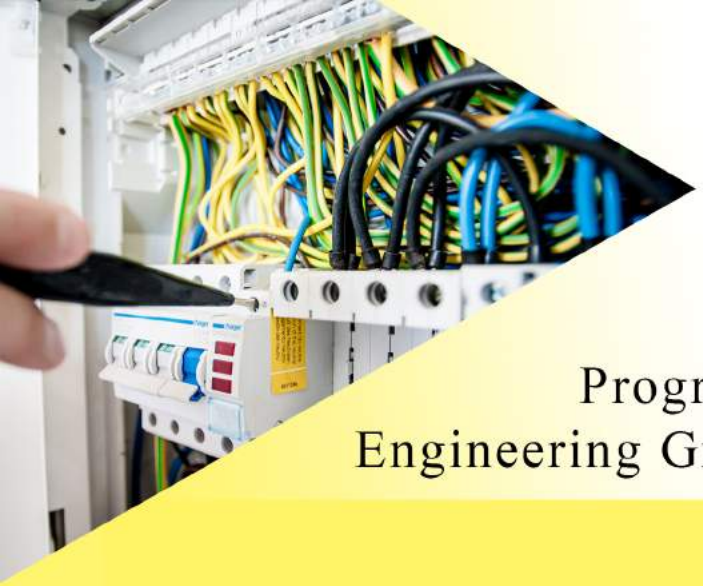
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

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

5. Modern tool usage: 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.

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

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



Program Outcomes:
Engineering Graduates will be able to:

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

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

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

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

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

Program Specific Outcomes (PSO)

Students will be able to:

PSO1: Apply fundamentals of Electrical Engineering to solve real time problems with social and multi-disciplinary approach.

PSO2: Model, simulate, analyze, critically evaluate and interpret the results with acquired professional skills and ethical practices, leading to enhancement of employability.

TECHNICAL ARTICLE

Trends in EVs and my journey to Tesla

Yashodeep C. Patil
(2015-16 Batch from Elect. Engg. Dept.
KKWIEE&R, Nashik)
Jr. Engg at Tesla Inc. USA

As we go closer and closer towards the depletion of fossil fuel, alternative fuels resources for human mobility gain significant importance. Hence electric vehicles play an important role in shaping the future of mankind. In recent times, a lot of startups have shown great EVs with promising specs and beautiful looks. In order to really make a difference, you have to sell them in large numbers and dethrone the 'Internal Combustion Engines' from people's lives. Ever since companies like Tesla Inc. started to stress the consumer market, every other giant car company emerged out of hibernation and started to take serious efforts towards harnessing these technologies.

As we approach towards a cleaner and sustainable mode of transportation, the need to mitigate its biggest hindering factor of having a limited range should be addressed. Hence investments in building charging infrastructures and improving the efficiency of EVs becomes crucial. Futuristic trends include charging the vehicles on the go by using reliable converter circuits which can charge and use the battery simultaneously. Use of electrical braking (engine braking) to decelerate and minimalistic mechanical braking (during emergencies) will allow for maximum regenerative braking and thereby improving the range of the vehicle. Smart grids utilizing solar energy to charge electric vehicles during the day and store the excess in batteries would make charging the vehicle cheaper. Tesla's supercharging station in Kettleman city, CA uses an array of solar panels to charge the vehicles during the day and store the excess in Tesla Powerwall to be used during nights or at times to supply energy to the grid or to people during disasters.

My journey to Tesla began with my previous internship at Ford. Being a part of the change Tesla is pushing the world to, was the biggest inspiration for me. After being rejected for multiple initial applications, finally an email I was waiting for appeared in my inbox. After an exam based on control systems theory and lot of interviews, I was pleased to join the company. I was awestruck on my first tour of the Tesla Gigafactory. The level of automation and use of futuristic technologies in unmatching. The fast-paced environment combined with Elon Musk's leadership is a key to the Model 3's production ramp up. Every time I see a Tesla on the street, I feel proud to be a part of its production process. Who knew that a back bencher, listening about the technological advances and about the greatness of Elon Musk in Prof. Shah's lecture, would one day work for Elon and see him in person! Indeed, I'm living a dream! ! !

ALUMNI SUCCESS STORIES

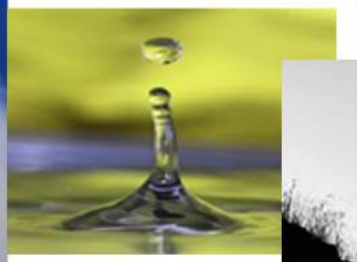
Shubhangi Patil
Working as Deputy Manager - Technology
Crompton Greaves Ltd. Mumbai

Experienced in design and development of Power Transformers and Reactors, Condition Monitoring and Diagnostics, Research on Electrical and Thermal insulation analysis, New product development.

Patent Details

- A method to determine the health of transformers and reactors :801/MUM/2009
- A Shunt Reactor: 940/MUM/2010
- An effective approach to estimate transformer circuit parameters: 837/MUM/2010
- Improved insulation arrangement for sandwiched type windings: 3682/MUM/2011
- Improved shunt reactor with auxiliary windings: 364/MUM/2012
- Online FRA system for power transformers: Applied
- Method to analyze the mechanical condition of power transformers: Applied
- Low permittivity paper / pressboard for power transformers: Applied
- Air core reactor: Applied

ACHIEVEMENTS: STUDENTS



Janhavi Patil
S. E. Electrical
IInd Shift
Intern at
National Geography

Only charity but also talent begins at home. I started photography by merely observing my dad and uncle. The way they held the camera and captured the nature's beauty or my stupidity fascinated me a lot. I couldn't keep my hands away from my Canon 6D and started self-practicing. After looking at my curiosity my uncle helped me in perfecting my angles and using right features.

I would keep practicing and uploading my clicks on Instagram which was appreciated. Working with Maharashtra times as college club reporter gave me an unexpected boost and I started looking for more opportunities. I knew this was just a start of a huge journey. I then got another opportunity to work with Radio Mirchi during Kumbh Mela. Capturing the vivid beauty of Nashik during this holy period not only help me practice but also, I made friends with people who shared same interest!

Kumbh Mela is one of the biggest event held in India and this attracted many professional photographers to Nashik. During this period, a photo walk was organized and I seemed this chance. I got to know many renowned professional photographers and I got more people to guide and mentor me.

Life was taking an unexpected turn and I got into engineering. I continued to practice and participated in many competitions. Even K.K.W.I.E.E.R gave me chances in various technical and non-technical events. Opportunities kept knocking and fortunately I kept improving.

After completing first year, during holidays I got to know about National Geographic Your Shot competition and I decided to take part in it. It was an online competition wherein we submitted our photographs based on subjects given and ultimately, I turned up to be the Second runner up All over India. This opened doors to 3 month internship with NatGeo under Mr. Sandesh Kadur and Ms. Priya Singh. Apart from photography something that synced with my soul was music. This motivated me to complete my Visharad in tabla. I also worked as an intern at 98.3 Radio Mirchi as radio jockey.

I still look forward too many more opportunities and grow and develop further. I thank everyone who supported me in this journey and guided me. It would have not been easy to do it without them.

INDUSTRIAL VISITS

S. E. Electrical Engineering

Sr. No.	Subject	Name of Industry	Date
1	Power Generation Technology	NTPS, Eklahare, Nashik	10/08/2018
2	Power Generation Technology	Suzlon Global Services, Sinner	29/08/2018
3	Electrical Measurement and Instrumentation	Quadrant Measurement Pvt. Ltd.	10/09/2018
4	Material Science	Om Insutech MIDC Ambad, Nasik	25/09/2018
5	Material Science	Deejay Capacitors	25/09/2018
6	Material Science	Om Insutech Composites LLP, Nashik	26/09/2018
7	Analog and Digital Electronics	Gogate Electrosystems Pvt. Ltd, Nashik	28/09/2018
9	Audit Course on Solar Thermal Systems	Arihant Jain Boys Hostel (Solar Heating System)	29/09/2018
10	Electrical Measurements and Instrumentation	Rishabh Instruments Pvt . Ltd, Nashik	09/10/2018
11	Audit Course on Solar Thermal Systems	Shree Sai Baba Sansthan Shirdi (Bhojnalaya)	02/10/2018
12	Electrical Measurement and Instrumentation	The Motwane Manufacturing Company Pvt. Ltd.	10/10/2018
13	Analog and Digital Electronics		10/10/2018

T. E. Electrical Engineering

Sr. No.	Subject	Name of Industry	Date
1	Electrical Machines II	Traction Machine Workshop (TMW), Nashik Road-Nashik	07/07/2018
2	Industrial and Technology Management	M/s Schneider Electric India Ltd., Baroda (MVI)	09/08/2018
3	Electrical Installation, Maintenance and Testing	M/s Schneider Electric India Ltd., Baroda (TBI)	09/08/2018
4	Electrical Machines-II	Traction Machine Workshop, Nashik	09/08/2018
5	Power Electronics	M.R. Electricals, Nashik	27/09/2018
6	Advance Microcontroller and its Applications	Fox Solutions, Gonde-Nashik	10/10/2018

B. E. Electrical Engineering

Sr. No.	Subject	Name of Industry	Date
1	Control System II	Mylan Laboratories Ltd, Sinnar, Nashik	28/07/2018
2	Power Quality	Times of India, Airoli, New Mumbai	30/07/2018
3	Power Quality	TDK Epcos, Nashik	10/08/2018
4	Electric and Hybrid Vehicles	COEP, Pune	24/08/2018
5	PLC and SCADA Applications	Essem Tecnopinz Pvt. Ltd. NICE, Satpur, Nashik - 422 007	27/08/2018
6	PLC and SCADA Applications	MSETCL Substation 220kV Satana and 132 kV Taharabad	08/09/2018
7	PLC and SCADA Applications	UKAY Metal industries Pvt. Ltd.	10/09/2018
8	PLC and SCADA Applications	220kV Substation Eklahare, Nashik	19/09/2018
9	Control System II	NPTS, Eklahare	26/09/2018
10	Power System Operation and Control	State Load Dispatch Center, Kalwa	03/10/2018
11	Electric Hybrid Vehicle	Jitendra EV Tech, Ambad, Nashik	03/10/2018

EXPERT LECTURES

Sr. No.	Name of Expert Person	Industry (or) Organization Name	Topic
1	Mr. Nitin Deshpande	Rishabh Instruments	Project Selection and Execution
2	Mr. Pradeep Deshpande	Gilbert and Maxwell, Nashik	Instrument Transformers
3	Mr. Aditya Gogate	Gogate Electricals	Entrepreneurship
4	Mr. Apurva Gokhale	WordsMaya	Importance of Communication in Professional life
5	Mr. Tushar Vaidya	Epcos India Pvt Ltd.	Power Quality
6	Mr. Ratankumar Bhavsar	MSEDCL (Retd)	Power Sector Basics and Reforms
7	Mr. Kiran Yeole	Epcos India Pvt Ltd.	Capacitor Basics', construction and application
8	Mr. Sushil Kumar	IIT, Roorkee	Opportunities after GATE/M.Tech
9	Mr. S. G. Pande	MSEDCL (Retd)	Types and Importance of Earthing Systems
10	Mr. Shrikant Jadhav	eL CAD Centre	Importance of learning Control Panel Design
11	Mr. N. S. Mhatre - Consultant	Oneirix Engineering Laboratories	Concepts of Machine Learning and associated challenges
12	Mr. Harshad Bele	Connect India	Guidance on Competitive Examinations
13	Mr. N. R. Toshniwal	Rishabh Instruments	Industrial Operations, Product Development Processes of meters and related power quality issues
14	Mr. Sachin Raskar	Mahindra and Mahindra	Processes and Researches I in vehicle technology
15	Mrs. Aurangabadkar	Principal, J.D.C Bytco I.M.S.R	Intellectual Property Rights
16	Mr. Nitin Deshpande	Rishabh Instruments	Project Selection and Execution
17	Mr. Rohan Kulkarni	Director, Grace Plast, Nashik	Entrepreneurship
18	Mr. Deepak Marathe	Partner, Vidyut Udhyag	Instrument Transformer
19	Mr. Apoorv Gokhale	Customer Success Manager, Words Maya, Pune	Importance of communication in Professional Life
20	Mr. Tushar Vaidya	R and D Manager,EPCOS India Pvt Ltd	Basics of Power Quality
21	Mr. R. B. Bhavsar	Executive Engineer,MSEDCL	Power Sector Basics and Reforms
22	Mr. Khushrow Irani	Director,S and K Associates,Nashik	Are careers made on the basis of academics or there is much more to it
23	Mrs. H. Patil	Assistant Engineer MSEDCL,Nashik	Electrical Safety Precautions and its Importance
24	Dr. Anand Patil	Psychiatrists 205, Dehburz, Bytco Point, Nashik Road	Stress Management
25	Mr. N. M. Gidghe	Dy.Executive Engineer, MSEDCL, Nashik	Overview of Distribution System
26	Mr. Harshad Bele	Ex. Gazetted Officer	Guidance on How to prepare for UPSC/MPSC and other competitive examination
27	Dr. Nitin Zope	Additional Executive Engineer, MSETCL	Circuit Breaker Testing
28	Mr. Ramesh Gaikwad	Trainer, TAACT, Nasik	Basics of HMI and SCADA
29	Mr. Chainesh Patil	Associate General Manager at Schneider Electric India Pvt Ltd	SCADA Ecosystem

EVENTS ORGANISED BY DEPARTMENT

Sr. No.	Title of Event	Dates of Event	Total No. of Participants
1	Hands-on Training of Project Based Learning	29th and 30th June 2018	48
2	Three days workshop on Hands on Training on PLC	25th and 27th July 2018	70
3	Recent Trends in Renewable Energy and Energy Storage	23rd and 24th Nov. 2018	36

EVENTS ATTENDED BY STUDENTS

Sr. No.	Name of Student	Title of Event	Name of event	Organizing Institute	Date	Prize / Award	Level
1	Varsha Dandekar	Nurturing Intelligence for Curious Engineers	NICE 2K18	IET Mumbai Local Network, Mumbai	13/10/2018	Winner	National
2	Gaikwad Shweta S.	Nurturing Intelligence for Curious Engineers	NICE 2K18	IET Mumbai Local Network, Mumbai	13/10/2018	Winner	National
3	Shelar Mayur B.	Electric and Hybrid Electric Vehicle	STTP	Fr. C. Rodriguez Institute of Technology, Mumbai	18-23/6/2018	Participation	National
4	Salve Radhika	Ethical Hacking	Workshop	Jetking Nashik Learning Center with N.S.D.C.	28/6/2018	Participation	Regional
5	More Pragati	Ethical Hacking	Workshop	Jetking Nashik Learning Center with N.S.D.C.	28/6/2018	Participation	Regional
6	Ghule Divya	Ethical Hacking	Workshop	Jetking Nashik Learning Center with N.S.D.C.	28/6/2018	Participation	Regional
7	Wankhedkar Yash H.	Ethical Hacking	Workshop	Jetking Nashik Learning Center with N.S.D.C.	28/6/2018	Participation	Regional
8	Patil Suraj	Ethical Hacking	Workshop	Jetking Nashik Learning Center with N.S.D.C.	28/6/2018	Participation	Regional
9	Rajole Meghana	Ethical Hacking	Workshop	Jetking Nashik Learning Center with N.S.D.C.	28/6/2018	Participation	Regional
10	Wasim Tadavi	Ethical Hacking	Workshop	Jetking Nashik Learning Center with N.S.D.C.	28/6/2018	Participation	Regional
11	Bhalke Akash	Ethical Hacking	Workshop	Jetking Nashik Learning Center with N.S.D.C.	28/6/2018	Participation	Regional
12	Jondhale Sachin B.	Startup India Maharashtra Yatra 2018	Competition	Maharashtra State Innovation Society, Govt. of Maharashtra	03/11/2018	Finalist	State

13	Shelar Mayur B.	Startup India Maharashtra Yatra 2018	Competition	Maharashtra State Innovation Society, Govt. of Maharashtra	03/11/2018	Finalist	State
14	Adhav Abhijit M.	Startup India Maharashtra Yatra 2018	Competition	Maharashtra State Innovation Society, Govt. of Maharashtra	03/11/2018	Finalist	State
15	More Hrishikesh Arun	Startup India Maharashtra Yatra 2018	Competition	Maharashtra State Innovation Society, Govt. of Maharashtra	03/11/2018	Finalist	State
16	Rajole Meghana	Intershala Students Partner	Workshop	Scholiverse Education Pvt. Ltd. Gurgaon	June-Aug 2018	Participation	State
17	Rajole Meghana	National Aerial Sports Championship -2018 Jhansi	Sports Aerial	Aerial Sports association Uttar Pradesh	13-15/6/2018	Participation	National
18	Salve Radhika	SPPU, Inter-Zonal Sports	Sports Athletics	Savitibai Phule Pune University	2018-19	Participation	Inter Zonal Sports
19	Rajole Meghana	SPPU, Inter-Zonal Sports	Sports Athletics	Savitibai Phule Pune University	2018-19	Participation	Inter Zonal Sports
20	Salve Radhika	SPPU, Inter-Collegiate Sports	Sports Javelin Throw	Savitibai Phule Pune University	2018-19	Second	Inter Zonal Sports
21	Rajole Meghana	SPPU, Inter-Collegiate Sports	Sports Rope Mallkhamb	Savitibai Phule Pune University	2018-19	Third	Inter Collegiate
22	Srivastava Adarsh	Speak for India	Debate	Ashoka Business School, Nashik	20/11/2018	Participation	State Level
23	Maurya Deepak S	WAC	Robotics & IoT Workshop	IIT Bombay	1-2/9/2018	Participation	Inter Collegiate
24	Maurya Deepak Shaukhlal	Effi-Cycle 2018	PARAM	LPU	9-13/10/2018	Participation	Inter Collegiate
25	Joshi Rohit Sanjayrao	Effi-Cycle 2019	PARAM	LPU	9-13/10/2018	Participation	Inter Collegiate
26	Dusane Mitalee Subhash	Inter collegiate Basket Ball Tournament	Basket Ball	Nashik Zone Local Sport Committee	2018-2019	Participation	State Level
27	Shegokar Pooja Ganesh	World Space Week - 2018	Poster Competition	KYF	2018-2019	Second Prize	National
28	Talukdar Rongeet Bhaskar	World Space Week - 2018	Power Point Presentation	KYF	2018-2019	Third	National
29	Talukdar Rongeet Bhaskar	WAC 2018	Robotics & IoT Workshop	IIT Bombay	1-2/9/2018	Participation	Inter Collegiate
30	Sonawane Ajinkya Vijay	WAC 2018	Robotics & IoT Workshop	IIT Bombay	1-2/9/2018	Participation	Inter Collegiate
31	Joshi Rohit Sanjayrao	WAC 2018	Robotics & IoT Workshop	IIT Bombay	1-2/9/2018	Participation	Inter Collegiate
32	Singh Raghvendra Pal Vijendra	WAC 2018	Robotics & IoT Workshop	IIT Bombay	1-2/9/2018	Participation	Inter Collegiate
33	Kiran S. Ganore	Electrical control panel design with PLC automation	Workshop	eLectric Control And Design Centre	Aug. 2018	Participant	State

36	Nikita D. Jadhav	Electrical control panel design with PLC automation	Workshop	eLectric Control And Design Centre	Aug. 2018	Participant	State
37	Rupesh A. Singh	Electrical control panel design with PLC automation	Workshop	eLectric Control And Design Centre	Aug. 2018	Participant	State
38	Rupesh A. Singh	Robotics & IOT workshop	Workshop	IIT Bombay	29-30/9/2018	Participatio n	State
39	Mohammad Shaikh	Startup India		Maharashtra State Inn. Society	October 2018	Participatio n	State
40	Akash Borase	A state level workshop on patents		COEP's Bhau Institute, Pune	31/8/2018	Participatio n	State
41	Himanshu Mahajan	A state level workshop on patents		COEP's Bhau Institute, Pune	31/8/2018	Participatio n	State
42	Patil Shubhangi	Inter Zonal Sports		SPPU University	October 2018	Participatio n	National

EVENTS ATTENDED BY FACULTY

Sr. No.	Name	Title	Organized by	Date	Duration
1	J. A. Mane	Power Electronics for Distribution System and Electric Drives	SVNIT Surat	26 Jun - 4 July 2018	2 Week
2	M. R. Rade	Power Electronics for Distribution System and Electric Drives	SVNIT Surat	26 Jun - 4 July 2018	2 Week
3	S. A. Sagare	Power Electronics for Distribution System and Electric Drives	SVNIT Surat	27 Jun - 4 July 2018	2 Week
4	Ruchi Kumari	Power Electronics for Distribution System and Electric Drives	SVNIT Surat	28 Jun - 4 July 2018	2 Week
5	S. G. Petkar	Power Quality Analysis and Improvement Techniques	NIT Warangal	19 - 23 June 2018	6 Days
6	S. K. Shinde	Power Quality Analysis and Improvement Techniques	NIT Warangal	19 - 23 June 2018	5 Days
7	S. S. Khairnar	Electric and Hybrid Electric Vehicle Technology	Rodriguez Institute, Vashi, Mumbai	18 - 23 June 2018	6 Days
8	J. P. Shah	Electric and Hybrid Electric Vehicle Technology	Rodriguez Institute, Vashi, Mumbai	18 - 23 June 2018	6 Days
9	M. M. Gokarn	Electric and Hybrid Electric Vehicle Technology	Rodriguez Institute, Vashi, Mumbai	18 - 23 June 2018	6 Days
10	N. N. Jangle	Flipped Learning	KKWIEER Nashik	13-14 June 2018	2 days
11	S. J. Shaikh	Flipped Learning	KKWIEER Nashik	13-14 June 2018	2 days
12	R. S. Mane	Flipped Learning	KKWIEER Nashik	13-14 June 2018	2 days
13	R. A. Ahire	Flipped Learning	KKWIEER Nashik	13-14 June 2018	2 days
14	A. N. Game	Hands-On Training of Project based Learning	KKWIEER Nashik	13-14 June 2018	2 days
15	J. D. Patil	Hands-On Training of Project based Learning	KKWIEER Nashik	13-14 June 2018	2 days

36	Nikita D. Jadhav	Electrical control panel design with PLC automation	Workshop	eLectric Control And Design Centre	Aug. 2018	Participant	State
37	Rupesh A. Singh	Electrical control panel design with PLC automation	Workshop	eLectric Control And Design Centre	Aug. 2018	Participant	State
38	Rupesh A. Singh	Robotics & IOT workshop	Workshop	IIT Bombay	29-30/9/2018	Participatio n	State
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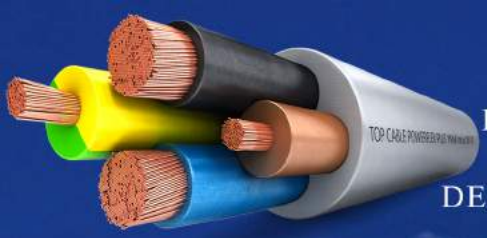
15	J. D. Patil	Hands-On Training of Project based Learning	KKWIEER Nashik	13-14 June 2018	2 days



Published on: Thursday, 27/12/2018

Published: Half Yearly in month of December and May

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This newsletter has covered all the events which organized in and by Electrical Engineering Department, K. K. Wagh Institute of Engineering Education & Research, Nashik. We are here going to invite suggestions, feedback and query for improvement in future newsletters, if any, with the warm regards.