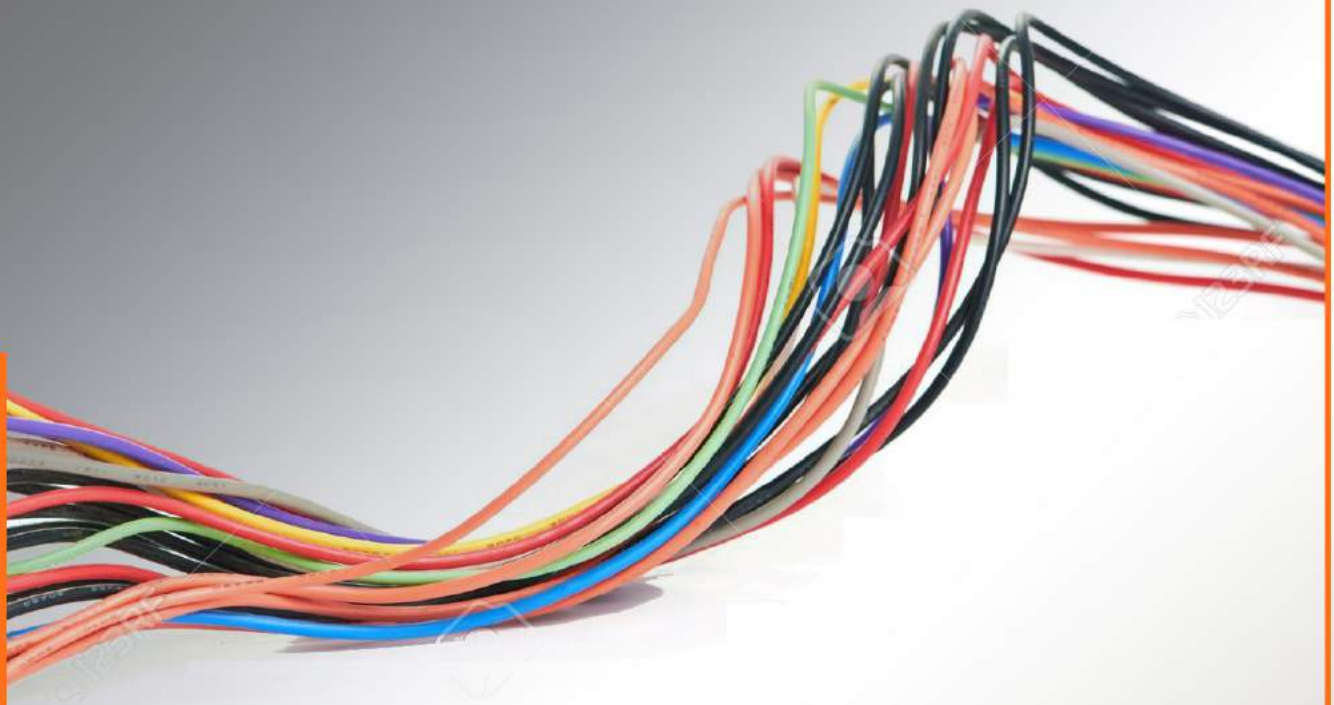
K.K. WAGH INSTITUTE OF ENGINEERING
EDUCATION AND RESEARCH

DEPARTMENT OF
ELECTRICAL ENGINEERING

VIDYULATA

A Half Yearly Newsletter Issue/Vol. No. 2
May 2016



NEWSLETTER

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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.

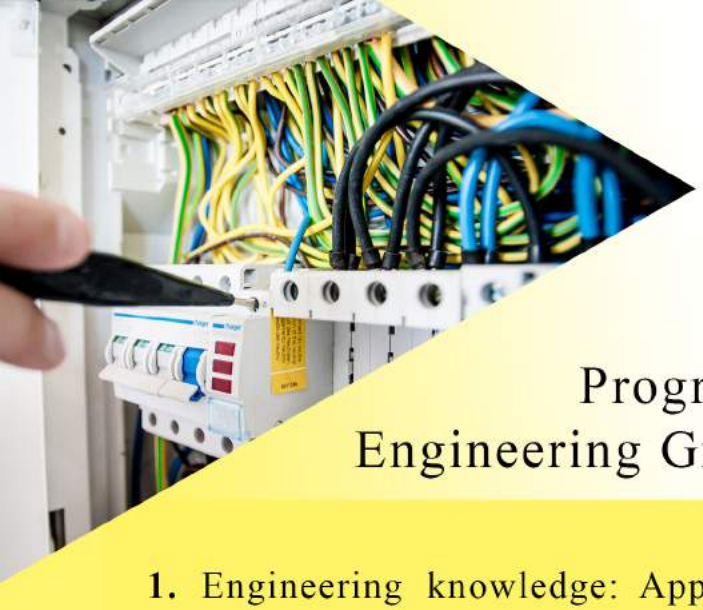
Program Educational Objectives

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.

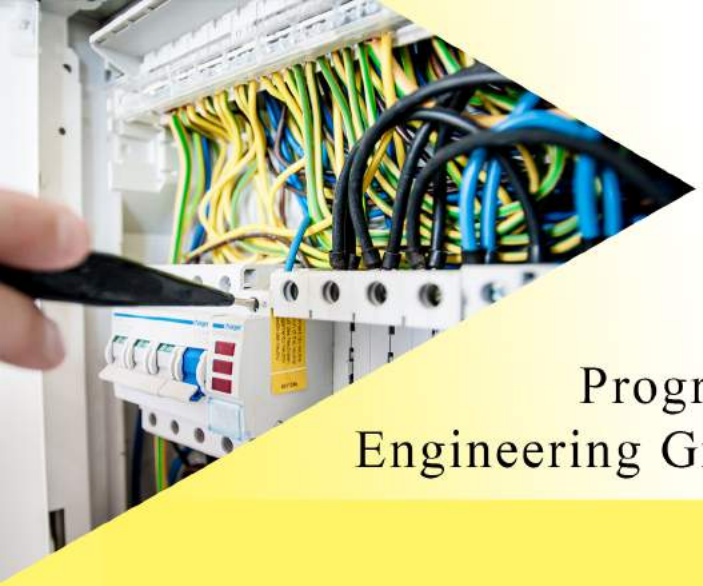
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

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

Virtual Synchronous Machine: Inertia Contributor to Future

Prannay Malu,
Alumni 2012-13 Batch

Greetings to all the readers and my fellow juniors. My name is Prannay Malu and I graduated from K. K. Wagh in 2013 from the Electrical Department. I went on to work for Taj Hotels in their Engineering Department for about two years. Like planned, I joined graduade school in 2015 and graduated in 2017 with MS Degree from Michigan Technological University.

Over the last one year, I have been working for a Design Engineering Firm in Chicago, where I am part of the Electrical Group which designs roadway lighting, traffic signals and intelligent transportation systems for various clients like the City of Chicago, Illinois Tollway, State of Illinois and many other municipalities and smaller villages. Roadways are a major infrastructure for any country and I have been lucky to be a part of this industry. There are a lot of technologically advanced resources used to maintain the traffic and enhance road safety in the US. Some of these include Smart signals which sense the presence of vehicles for traffic signal operation. These dynamic signals ensure smoother traffic flow and lesser backups. There are detector loops embedded in the roadway to detect vehicles and the cameras ensure speeding is under a check. No green signal will be given when there are no vehicles present travelling in that direction. Hence saving time for all other vehicles. Everyone is switching to LEDs and so are the street lighting systems. The City is also working on smart LED lighting systems where a photo-sensitive node on the street lights, having a specific IP address will turn on and off the street light as well as communicate with the control centre in case of maintenance need. There are other systems like the Dynamic Messaging System (DMS) – for giving information of delays or safety messages or road works or even cheering up the local sports team! Remote Weather Information System (RWIS), CCTV Camera, Microwave Vehicle Detection System (MVDS) to collect data of vehicles and analysis for future improvements, Flashing Beacons for warning of slowing traffic or backed up traffic, etc. which enhance the road safety.

TECHNICAL ARTICLE

Microwave Vehicle Detection System (MVDS) to collect data of vehicles and analysis for future improvements, Flashing Beacons for warning of slowing traffic or backed up traffic, etc. which enhance the road safety.

To get ready for professional life, I would like to share some things. Please understand concepts rather than studying only for exams – you will get tools later to help you, but you should be able to apply yourself to solve problems. Make the best use of the tools you have – books, internet, calculators and your teachers too. You will most probably work in teams – collaborate with others for group studies. Teach others - teaching is the best way of making sure you have understood concepts. Read better books, they would really help. DIY – Do it yourself – to master things. Please learn computer tools like MATLAB, PSCAD, drafting tools, etc. – they will help you the most in a job like mine. Most importantly, enjoy engineering and have fun! My best wishes to everyone.

If you would like to know more about my work, please feel free to contact me on prannaymalu@gmail.com

ALUMNI SUCCESS STORIES

Dr. Manoj Kisan Mandlik
Doctor of Philosophy (Ph.D.),
High Voltage Engineering
Working as General Manager - Research and Development
TDK EPCOS Ltd. Nashik

Over 17 years of experience in the field of High Voltage product development in domain of High voltage Gas insulated switchgears (GIS), Circuit breakers, Instrument transformers, Resin impregnated paper (RIP) bushings, High voltage and Insulation design, Condition monitoring and diagnostics of electrical power apparatus.

Title	Publication Number
Method and heater for uniformly curing a resin impregnated electrical bushing	WO 2011117893 A3
Resin impregnated electrical bushing	WO 2011117889 A2
A coil shield fixture for a high voltage winding of a transformer	1055/MUM/2011 A
An electrical bushing and method of manufacturing the same	676/MUM/2008 A

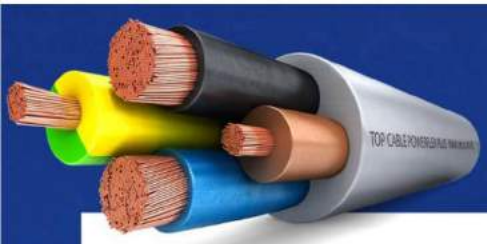
ACHIEVEMENTS: FACULTY

Dr. Ravindra Munje received Ph.D. Degree from Swami Ramanand Tirtha Marathwada University, Nanded on February 26, 2016, with the auspicious hands of vice chancellor Hon'ble Dr. P. B. Vidyasagar.

While receiving a degree from Hon'ble Vice-chancellor on Feb. 26, 2016.

PLACEMENT

Sr. No.	Name of the student placed	Name of the Employer
1	Abhishek Kumar Saxena	Indian Navy
2	Gujarati Ishan Sunil	Polycab Ltd.
3	Nadurdikar Pooja Laxmikant	Polycab Ltd.
4	Patil Akshay Sharad	Oberoi Group
5	Patil Priyanka Dhanraj	Glaxo Ltd.
6	Santoshe Shraddha Pradeep	Glaxo Ltd.
7	Pingle Sayali Ashok	Mahindra & Mahindra Ltd.
8	Kekade Sagar	Mahindra & Mahindra Ltd.
9	Gore Madhuli Vivek	Mahindra & Mahindra Ltd.
10	Gupta Kishan Sushil	Mahindra & Mahindra Ltd.
11	Potdar Anuja Neelkanth	Mahindra & Mahindra Ltd.
12	Salunkhe Kamini Sunil	Bosch Ltd. Nashik
13	Patil Suyash Pravin	Bosch Ltd. Nashik
14	Patil Akshay Arun	Amazon
15	Pedgaonkar Rohit	Amazon
16	Pujari Rajesh Ramesh	Rishabh Instruments Ltd.
17	Hatkar Deepali Krishna	Rishabh Instruments Ltd.
18	Deshmukh Kartik	FinIQ Consulting Pvt.
19	Bhonge Lalit	FinIQ Consulting Pvt.
20	Lokhande Abhishek Rameshwar	Portescap
21	Dandekar Mrunal Chandrashekhar	Torrent Power Ltd.
22	Chinchkotkar Sarthak Ashok	Torrent Power Ltd.
23	Barve Sudarshan Dhananjay	Torrent Power Ltd.
24	Kale Chaitanya Navnath	Torrent Power Ltd.
25	Nair Sudeesh Sethumadhavan	Torrent Power Ltd.
26	Khairnar Pranav	PHOENIX Sea Services Pvt. Ltd.



INDUSTRIAL VISITS

S. E. Electrical Engineering

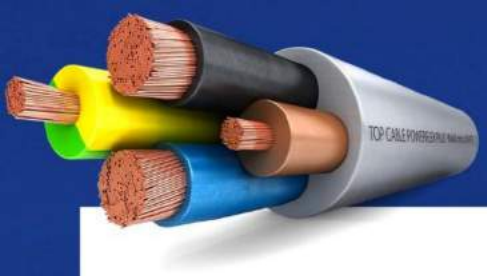
Sr.No.	Subject	Name of Industry	Date
1	Microprocessor Fundamental & Its Application	S. S. Tecnovation Pvt. Ltd.	08/03/2016
2	Electrical Machines-I	Link Servo Systems Pvt. Ltd. Ambad	10/03/2016
3	Microprocessor Fundamentals and its Applications	Spark Electricals	11/03/2016
4	Power System -I	MSETCL,400kV Substation, Babhaleshwar	23/03/2016
5	Numerical Methods and Computer Programming	Benett Coleman & Times of India, New Mumbai	29/03/2016
6	Network Analysis	Satyam Mechatronics, MIDC, Ambad	29/03/2016
7	Power System-I	132kV MSETCL Substation, Nashik	30/03/2016
8	Microprocessor Fundamental & Its Application	MSS India Pvt. Ltd, MIDC, Ambad	05/04/2016

T. E. Electrical Engineering

Sr. No.	Subject	Name of Industry	Date
1	Power Systems -II	132 kV Sub-station, Ambad, Nashik	03/02/2016
2	Utilization of Electric al Energy	Shamala Electroplaters, Ambad, Nashik	04/02/2016
3	Design of Electrical Machines	Fairdeal Transformers, Ambad, Nashik	14/03/2016
4	Power Systems-II	400kV Substation, Babhaleswar, Tal. Rahata, Dist. A.Nagar	15/03/2016
5	Utilization of Electrical Energy	POH, Central Railway, Bhusawal	21/03/2016
6	Control Systems-I	Bavesh Polymers Pvt. Ltd. Sinner MIDC, Nashik	26/03/2016
7	Design of Electrical Machines	Fairdeal Electrical Engineering Pvt. Ltd, Ambad, Nashik	01/04/2016
8	Control Systems-I	Technosys Control Solutions, MIDC, Ambad, Nashik	04/04/2016

B. E. Electrical Engineering

Sr. No.	Subject	Name of Industry	Date
1	EHV AC Transmission	Crompton Greaves Ltd. Bhopal	08/12/2015
2	Power System Operation and Control	ERDA, Bhopal	18/12/2015
3	High Voltage Engineering	Crompton Greaves Ltd. MIDC, Ambad, Nashik	11/02/2016
4	Switchgear and Protection		
5	Switchgear and Protection	Larson & Toubro Ltd. Ahmadnagar	07/03/2016
6	Power Electronic Controlled Drives	Sanjeevani Sugar Factory, Kopargaon	15/03/2016
7	Smart Grid	Sanjeevani Sugar Factory, Kopargaon	15/03/2016
8	Power Electronic Controlled Drives	Jawahar Shetkari Sahkari Soot Girani (Spinning Mill), Dhule	26/03/2016
9	Smart Grid	Sula Wines Rooftop Solar Installation, Pimpalgaon	02/04/2016
10	HVDC & FACTs	HVDC ±500 kV Terminal Station, MSCTCL, Padghe	05/04/2016



EXPERT LECTURES

Sr. No.	Name of Expert Person	Industry (or) Organization Name	Topic
1	Prof. A. M. Jain	K.K.W.I.E.E.&R.	Basics of Solar Energy
2	Prof. Dr. B. E. Kushare	K.K.W.I.E.E.&R.	Disruptive Technologies
3	Mr. B. B. Bhandekar	Retired Engineer from MSEB	Grid Control and Load Dispatch
4	Mr. Omkar Buva	L & T Ltd., Nagpur	Plant Electrical Systems
5	Dr. Mukesh Patil	RAIT, Navi Mumbai	Advanced Control Systems
6	Mr. Kaushal Kansara	L&T Ltd., Nashik	Switchgear and Protection
7	Mrs. Apurva Jakhadi	Entrepreneur	Digital India
8	Mr. Chainesh Patil	Schneider Electric, Nashik	RMU and Busway
9	Mr. Shailesh Joshi	Crompton Greaves Ltd., Nashik	UHV Lab, Testing, Layout and Equipment
10	Mr. Kaushal Bhagat	L&T Ltd., Nashik	AC Drives and Starters
11	Prof. P. Shiram	Director, UCD Centre, Nashik	Personality Development
12	Mr. J. P. Shah	K.K.W.I.E.E.&R.	Live Launch of Soyuz Rocket
13	Mr. J. P. Shah	K.K.W.I.E.E.&R.	Job Opportunities in Aero Space Sector
14	Kalyani Khodke	Entrepreneur	Innovation and You
15	Prof. A.M. Jain	K.K.W.I.E.E.&R.	Fundamentals of Solar Photovoltaic
16	Mr. S. B. Bhandekar	Ex Chief Engineer	Grid Control and Load Dispatch
17	Mr. Omkar Buwa	K.K.W.I.E.E.&R.	Plant Electrical Systems
18	Dr. Vishvesh Vyavhare	Professor,RAIT,Mumbai	Advance Control Systems
19	Mr. Mehra	E.T.S.	GRE TOEFL preparation
20	Mr. Girish Kangune	Entrepreneur	Digital Control System
21	Mr. Kaushal Kansara	L&T Ltd., Nashik	L&T Switchgear
22	Apurva Jakhadi	NASA Educator	Digital India
23	Shailesh Joshi	Crompton Greaves Ltd., Nashik	HV Testing & Lab Design
24	Mr. Rahul Bhat	ABB Ltd.	Job Experience & Higher Education
25	Mr. Kaushal Bhagat	L&T Ltd., Nashik	Industrial Drives
26	Prof. P. Sreeram	Director, UCD Centre, Nashik	Communication Skills

EVENTS ORGANISED BY DEPARTMENT

Sr. No.	Title of Event	Dates of Event	Total No. of Participants
1	Overview, Applications and Design of Solar PV System	21st - 22nd Jan. 2016	30
2	Disruptive Innovation And Recent Trends In Energy Research And Energy Storage Technologies	26th - 27th Feb. 2016	50
3	working model contest, IET Karmaveer Expo 2016	18th – 19th March 2016	331

IET- Karmaveer Expo 2016

March 18-19, 2016

Total Models presented in group-A: 35 and participants: 114
Total Models presented in group-B: 33 and participants: 111
Total Models presented in polytechnic group: 18 and participants: 74
Total Entries presented in IOT group: 11 and participants: 32
Total Models presented in Expo 2016: 97 and participants: 331
Total students participated from department of Electrical Engineering of K.K.W.I.E.E. & R., Nashik: 13
Total students participated from K.K.W.I.E.E. & R., Nashik: 53
IET students members participated: 18

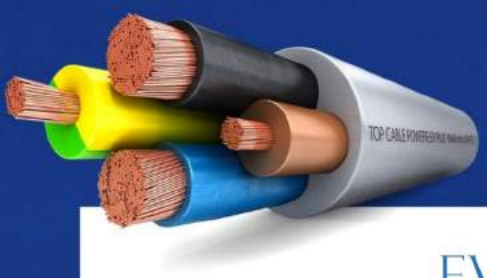
No of Participants form different states

States	No of Students	No of Groups
Karnataka	16	4
Kerala	1	1
MP	4	1
Tamilnadu	1	1
Orissa	1	1
Maharashtra	305	89
Total	**331**	**97**

EVENTS ATTENDED BY STUDENTS

Sr. No.	Name of Student	Title of Event	Name of event	Organizing Institute	Date	Prize / Award	Level
1	Gupta Mohan	Technovision -2016	Paper Presentation	JSPM NTC & TSSM BSCOE & P Narhe, Pune	8-9/2/2016	First	National
2	Gupta Mohan	Technovision -2016	Paper Presentation	JSPM NTC & TSSM BSCOE & P Narhe, Pune	8-9/2/2016	Participation	National
3	Saxsena Abhishek	Technovision -2016	Paper Presentation	JSPM NTC & TSSM BSCOE & P Narhe, Pune	8-9/2/2016	First	National
4	Saxsena Abhishek	Technovision -2016	Paper Presentation	JSPM NTC & TSSM BSCOE & P Narhe, Pune	8-9/2/2016	Participation	National
5	Pooja Thakare	SVIT Techfest	Poster Presentation	SVIT Chincholi	21-22/3/2016	Participation	State
6	Chavan Vinayak	Sanjivani Tech Fest	Paper Presentation	College of Engineering, Kopargaon	12-13/2/2016	Participation	Sate
7	Vikrant Kale	Sanjivani Tech Fest	Paper Presentation	College of Engineering, Kopargaon	12-13/2/2016	Participation	Sate
8	Bahirshet Nikita M.	Indian Engineering Olympiad	Indian Engineering Olympiad	Indian Engineering Olympiad	21/2/2016	Participation	National
9	Chavan Divyani	i-Trigger'16	Paper Presentation	Mech Engg, PVG College of Engg, Nashik	11-12/3/2016	Participation	State
10	Ambure Shubham	i-Trigger'16	Paper Presentation	Mech Engg, PVG College of Engg, Nashik	11-12/3/2016	Participation	State
11	Sagar Kekade	ICETE&T	Paper Presentation	National Inst. for Engg & Research, Mumbai	24/1/2016	Participation	International
12	Abhishek Lokhande	ICETE&T	Paper Presentation	National Inst. for Engg & Research, Mumbai	24/1/2016	Participation	International
13	Vaibhav Thakare	ICETE&T	Paper Presentation	National Inst. for Engg & Research, Mumbai	24/1/2016	Participation	International
14	Vinayak Chavan	Techxellance 2015-16	Paper Presentation	Sandip Foundation, Nashik	23/1/2016	Participation	National

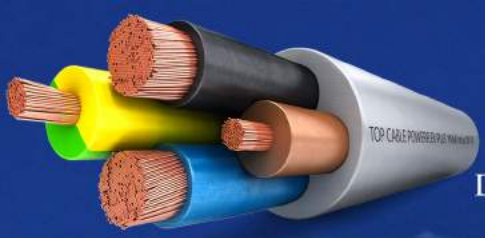
15	Vikrant Kale	Techxellance 2015-16	Paper Presentation	Sandip Foundation, Nashik	23/1/2016	Participation	National
16	Ghuge Gaurav	Vasant Smruti	Competition - Singing Group	KVN Naik, Nashik	2015-16	Third	Inter College
17	Suyog G. Konkar	Vasant Smruti	Competition - Singing Group	KVN Naik, Nashik	2015-16	Third	Inter College
18	Gupta Mohan	PRECision 2K16	Paper Presentation	Pravara Rural Engg College, Loni	16-17/3/2016	First	National
19	Divyani Chavan	MECHANZAA 2016	Technical Event - Paperanza	NDMVP KABGTCOE, Nashik	17/3/2016	Participation	National
20	Kasare Ajinkya T.	Aayaam 2016	Project	Sandip Foundation, Nashik	21-22/3/2016	Participation	National
21	Chavan Divyani S.	Swachhchh Bharat Abhiyan	Workshop	NSS, SPPU, Pune	10/3/2016	Participation	University
22	Kale Vikrant S.	NIMA-TAACT LCA Conference	Conference	NIMA-TAACT, Satpur, Nashik	11/3/2016	Participation	Regional
23	Kashid Shubham S.	NIMA-TAACT LCA Conference	Conference	NIMA-TAACT, Satpur, Nashik	11/3/2016	Participation	Regional
24	Ingale Deepak	NIMA-TAACT LCA Conference	Conference	NIMA-TAACT, Satpur, Nashik	11/3/2016	Participation	Regional
25	Tejas Sanjay Gavali	G.K. Quizz	G.K. Quizz	MET Bhujbal City	2015-16	Participation	National
26	Mohan Gupta	Technovision-2016	Paper Presentation	JSPM Narhe Technical Campus, Pune	8-9/2/2016	1st Prize	National
27	Mohan Gupta	Technovision-2016	Paper Presentation	JSPM Narhe Technical Campus, Pune	8-9/2/2016	Participation	National
28	Mohan Gupta	PRECision2K16	Paper Presentation	Pravara Rural Engg college	16-17/3/2016	1st Prize	National
29	Lokhande Abhishek	ICETE&T	Paper Presentation	National Institute for Engg & Research (NIER), Mumbai	24/1/2016	Participation	International



EVENTS ATTENDED BY FACULTY

Sr. No.	Name	Title	Organized by	Duration	Duration
1	S. S. Dhamal	TEQIP-II Sponsored 1 Week STTP on," Simulation & Modelling in Power System Engineering"	SVNIT, Surat	28 December 2015 -1 January 2016	5 days
2	N. L. Potdar	STTP on, " PLC,SCADA and HMI", sponsored under TEQIP phase II	Bharati Vidyapeeth Deemed University College of Engg. Pune	18-23 January 2016	5 days
3	S. S. Khairnar	TEQIP-II Sponsored 1 Week STTP on," Simulation & Modelling in Power System Engineering"	SVNIT, Surat	28 December 2015 -1 January 2016	5 days
4	N. N. Jangle	Elements of composing documents and presentation using LATEX.	MGM's JNEC Aurangabad	27 January-01 February, 2016	6 days
5	S. M. Akolkar	STTP on, " PLC,SCADA and HMI", sponsored under TEQIP phase II	Bharati Vidyapeeth Deemed University College of Engg. Pune	18-23 January 2016	6 days
6	M. R. Rade	One week STTP on, " Lifelong researcher (LLR 2016)", under TEQIP phase II	SVNIT, Surat	8 -12 February 2016	5 days
7	R. A. Ahire	STTP on, " PLC,SCADA and HMI", sponsored under TEQIP phase II	Bharati Vidyapeeth Deemed University College of Engg. Pune	18-23 January 2016	6 days
8	S. A. Sagare	Elements of composing documents and presentation using LATEX. (6 days)	MGM's JNEC Aurangabad	27 January-01 February, 2016	6 days
9	D. Y. Dubey	One week STTP on, " Lifelong researcher (LLR 2016)", under TEQIP phase II	SVNIT, Surat	8 -12 February 2016	5 days

10	R. K. Munje	AICTE Sponsored One week QIP W/s: "High Voltage & Partial Discharge"	AT 103, Electrical Engg. Deptt., VJTI Mumbai 400019	14-19 March 2016	6 days
11	S. J. Shaikh	ISTE Approved faculty development Program on Fractional-order Modelling, control and Application.	College of Engineering Pune	29 Feb 2016 - 4 March 2016	5 days
12	T. N. Date	A Short Term Course on Educational Technology for Engineering Teachers	IIT BombayX, CDEEP	07 January - 07 March 2016	8 weeks
13	G. N. Jadhav	A Short Term Course on Educational Technology for Engineering Teachers	IIT BombayX, CDEEP	07 January - 07 March 2016	8 weeks
14	G. N. Jadhav	A Short Term Course on Introduction to Computer Programming	IIT BombayX, CDEEP	04 January - 10 May 2016	12 Weeks
15	G. N. Jadhav	Principles of Research Methods	JNEC, Aurangabad	28-29 December, 2015	2 day
16	G. N. Jadhav	A One week short term course on Power electronics applications in microgrid	VNIT, Nagpur	6-10 April 2016	1 week
17	G. N. Jadhav	Power conditioning and distributed power generation	KKWIER, Nashik	26-30 December, 2016	5 days
18	J. D. Patil	Simulation and modelling in power system engineering	SVNIT Surat	28 December - 01 January, 2016	5 days



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Department of Electrical Engineering

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.