

Report of Three Day Workshop on “General Awareness of Electrical System and Soft Skill”

Department of Electrical Engineering has organized three days workshop for supporting staff of the institute on ‘**General Awareness of Electrical System and Soft Skills**’ from **13th Jan to 15th January 2021**.

The workshop helped the participants to learn about basics of electrical system, wiring connection, construction and operation of motor, Electricity bill calculation and concept of solar home system. Soft skills being the need of hour, sessions on Effective Communication, Positive thinking and Meditation techniques were conducted. One session on Financial management was conducted which helped them to manage and plan their expenses.

The workshop was attended by more than 20 supporting staff of the college. All participants enjoyed and gained the knowledge and in feedback they requested to repeat the same after every 6 months. Some of the speakers who delivered the sessions are Prof. N. M. Deshkar, Dr. M. M. Renge, Dr. S. B. Bodkhe, Dr. U. B. Mujumdar, Prof. J. S. Joshi, Dr. S. C. Rangari, Dr. SunitaDhote and Dr. KanchanNaidu .

Dr. S. .H Deshmukh and Dr P. V. Kapoor are the coordinators of the workshop and **Prof M.B Gaikwad** was co-coordinator.





Entrepreneurship Development Cell Seminar on "Why, What and How of startup"

The Entrepreneurship Development Cell has organised an online interactive seminar on "Why, What and How of startup", by Mr. Baldev Singh Rawat, Founder of Value Creation, Nagpur on **3rd April 2021 from 3 to 4.30 pm**

In this session, Mr. Rawat guided the students about how to develop various skills that are the foundation of a successful entrepreneur. Also he answered the students' queries about innovation, Entrepreneurship and Start-ups.

The program was attended by 70 students from Second and Third year. EDC Cell Students team worked hard for the successful arrangement of the program.



SHRI RAMDEOBABA COLLEGE OF
ENGINEERING AND MANAGEMENT



Department Of Electrical Engineering

ENTREPRENEUR
DEVELOPMENT CELL
presents

Why, What & How of Start-Ups ?



-- SPEAKER --
BALDEV SINGH RAWAT

3rd of April,
Saturday
3:00PM to 4:00PM.
Limited Seats

Founder-Value Kreation
Educator | Author
Public Speaker on
Entrepreneurship & Employability

Free Registration
Session's link will be
shared
with registered
participants.

OFFERING INTERNSHIPS

For details contact : Mayank Jain (7020250756)

Details of Workshop Organised

1. Workshop organised on “Introduction to PLC –SCADA & Its Applications in Electrical Engineering”



Department of Electrical Engineering had organized one day work shop on “Introduction to PLC–SCADA & Its Applications in Electrical Engineering” on 9-Feb-2019. The workshop was conducted as value added course for the students of 3rd year. This workshop was organized under banner of Electrical Engineering Student Association (EESA). Prof G. Goyal (Incharge EESA) & technical team of EESA had done hard work for organizing this workshop. Prof. P. R. Sawarkar conducted theory & Practical session in this one day workshop. Total 43 students had taken active participation in the workshop. Introduction to PLC, types of PLC, Ladder diagram, & designing of Ladder diagram were discussed in the workshop. Demonstration of start stop logic, star delta starting of induction motor & some more applications wear executed in front of student.

This value added course was conducted under the guidance of Prof.V.T. Barahate (HoD,EE), & all senior faculty members of Electrical Engineering Department.

2. Two day workshop on Ardiuno

Department of Electrical Engineering had organized a two day workshop on “Introduction to Ardiuno & Its Application in Electrical Engineering” on 21& 22-Feb 18. This workshop was conducted as a value added course for the students of 2nd year from Electrical Engineering Department. This workshop was organized under Electrical Engineering Student Association (EESA). Theory & Practical sessions on both the days were conducted by Prof. P. Sawarkar.

On the first day introduction to Arduino, Different Sensor & Discredit Programming was covered & Second day concluded by covering topics like Interfacing of Different Sensor & LCD for specific application. Total 22 students participated in this workshop. Every group had performed their allotted task in given time. On second day line follower and its programming was discussed with student. Total 4 groups have developed their own coding for line follower & tested it successfully on available line follower hardware. This value added course was conducted under the guidance of Prof.V.T. Barhate (HoD,EE), & all senior faculty members of Electrical Engineering Department.



3. One day Workshop on AUTOCAD Electrical

The Department of Electrical Engineering & Electrical Engineering Students' Association (EESA) has organized a one day workshop on "AUTOCAD ELECTRICAL" for the third year students in Electrical-Computer lab. The students were divided in two groups to conduct the workshop in two batches on 16/03/2018 from 10:00 am to 05:00 pm. The workshop was conducted by Mr. Praful Baid, CEO, Astral Informatics Pvt Ltd, Nagpur and trainers from Astral Informatics. For the workshop, Autocad Electrical 2014 version was used. Number of students attended the workshop in two batches were 73. From the workshop students got the basic knowledge to use the Autocad Electrical which will be useful for them to draw a single line diagram of the industry and 3-D structures. The workshop was coordinated by Prof.V.T.Barhate, HOD Electrical Department, Prof.(Mrs.).P.A.Salodkar and Prof. G.N.Goyal, EESA In-charge.

4. Two day workshop “EMPOWER-2018”

Team EMPOWER and Electrical Engineering department of Shri Ramdeobaba College of Engineering and Management organized unique two day mega event, technical exposition, EMPOWER-2018 on 17th and 18th February 2018 for students of Electrical Engineering in Central India.

The theme of this event is to have active engagement of industries of international and national repute with graduating students and make them aware of the latest developments in engineering products & technologies. Effort is made to bridge the gap between academics and the practices followed in industries. In this two day event, industry personals explained their technology trends & products to a small group of 25 students for one hour. The students got excellent opportunity to interact one-to-one and got their queries answered from the industry experts.

The program was inaugurated by Mr. *Shashikant Chaudhary*, Co-Founder Nagpur Angels and Ex-Managing Director Global Logic India Pvt. Ltd. *He* was accompanied by General Secretary Shri Govindlal Agarwal, Secretary Shri Rajendra Purohit, Principal Dr.R.S. Pande and Prof.V.T. Barhate, HOD Electrical.

Mr. Shashikant Chaudhary delivered expert lecture on “Entrepreneurship Opportunities for Young Engineers”. He enlightened the students with his experience and motivated the student to be an entrepreneur. All the dignitaries visited all the exhibition Halls and appreciated the efforts made by RCOEM in the area of Student-Industry interaction.





Around 70 Engineers from 22 industries, namely Crompton Electrics, Socomec, Brisk Electronics, Schneider Electric, Ashlok Earthing, Contact EAPL, L&T switchgears, KEI Cables, Excel Earthing, Hikvision, Cabletronic, Elesun Systems, Siemens, HAGER Electrotech, Mahindra Electric, Highrise Transformer , Sreeja Engineering Services, Greaves Cotton, D.V.Associates, HIGHRISE Transformers, WESTERN Engineers, Flinn Energy exhibited state of art technology based products in this event. Student delegates from about 17 institutes participated in this event. Function was attended by faculty from various educational institutes, Industries consultants & contractors and highly appreciated.

On day 2, a special event on “Fire Safety” was organised under EMPOWER. This event was conducted by the fire engineers from Fire Engineering College, Nagpur. In this event they demonstrated the different ways to extinguish the fire at household and also allowed the students to experience this ways. This program was appreciated by the students and company representatives.



Prof. Jayant Joshi, Prof.N.M. Deshkar, Prof. Uday Mujumdar along with Prof. Gaurav Goyal, Prof (Mrs) .S.H.Deshmukh, Prof (Mrs).S.C.Rangari, Prof (Mrs)P.A.Salodkar, Prof (Mrs)P.V. Kapoor, Prof(Mrs)V.A.Huchche, Prof Pankaj Sawarkar, Prof. Ameya Saonerkar, Prof. Piyush Khadke, Prof.Ms. Rupal Agrawal and Prof.Ms. Komal Ambhorkar, Mr.Manoj Kothekar, Mr.Prashant Tiwari, Mr. Abhijeet Sengupta and second year electrical students worked hard to make the event a grand success.

5. Workshop Organised on “Entrepreneurship in Solar Photovoltaic System”

Entrepreneurship Development(ED) Cell of Department of Electrical Engineering organized two day workshop on “Entrepreneurship in Solar Photovoltaic System” on 23rd and 24th September 2017 for the students of Shri Ramdeobaba College of Engineering and Management, Nagpur.

The objective of workshop was to ensure the comprehensive understanding of Solar Photovoltaic systems amongst the participants and make them aware about the various

business opportunities in this field. The workshop showcased the unique combination of Technical sessions, Sessions by Entrepreneurs, Business plan preparation and Hands on Training.

The program was inaugurated by Dr. Rajesh Pande, Principal, RCOEM, and was accompanied Prof.V.T. Barhate, HOD Electrical and Prof.U.B.Mujumdar, In-Charge ED Cell. Mr.Sudhir Budhe, Director Business Algorithms-Solar division, Nagpur provided the details about the various opportunities and scope for the young technocrats. The other expert speakers were Mr.Kapil Jangid, Solar Power Systems, Mr.Jay Khobrgade, Azur Power, Dr.Sunita Dhote and Prof.U.B.Mujumdar. In “Hands on Training session”, participants got hands on experience of working with Photovoltaic panels and various equipments used in PV system. Participants were also provided with PV System design guide and worksheets in this session.40 students from Electrical, Electronics, Electronics Design Technology and Mechanical department actively participated in the workshop. Prof. U.B.Mujumdar, Prof.Gaurav Goyal, Prof.(Mrs) S.H.Deshmukh, Prof. Pankaj Sawarkar, Prof.Ameya Saonerkar and Students Team of EDC electrical worked hard to make the event a grand success.



6. Workshop Organised on “RAJMUDRA 2.0: Dedicated to the Father of Indian Navy”

The Electrical Engineering Students’ Association (EESA) and Civil Engineering Students’ Association (CESA) organized an event “**RAJMUDRA 2.0:**

Dedicated to the Father of Indian Navy” on 21st March 2017 at Main Auditorium for all the students and faculties. The event comprises of *Fort Exhibition* by Mr. Atul Guru and Seminar on *“Personality Development: The Shivajian Way”* by Mr. Sumant Tekade. The event was conducted under the guidance of Dr. R.S.Pande, Principal RCOEM, Prof.(Mrs.).S. H. Deshmukh, Dean SRC, Dr.M.S.Kadu, HOD Civil and Prof.V.T.Barhate, HOD Electrical. The main faculty coordinators for the event were Prof. Gaurav Goyal, Electrical Department & Prof. S.U. Dhote, Civil Department. Around 350 students and 50 faculties attended the event and it was highly appreciated.

7. **Two day workshop on “Introduction to Arduino & Its Application in Electrical Engineering”.**

Department of Electrical Engineering has organized two day workshop on “Introduction to Arduino & Its Application in Electrical Engineering”. This workshop is conducted as value added course for the students of 2nd and 3rd year from Electrical Engineering department. This workshop was organized under Electrical Engineering Student Association (EESA). Prof.G.N.Goyal & Prof.P.R.Sawarkar conducted Theory & Practical session on both the days. On the first day introduction to Arduino, introduction of different sensor & discredit programming was covered & on second day interfacing of different sensor & LCD for specific application was covered. Total 19 students were participated in this workshop. Every group has performed their allotted task in given time. On second day line follower and their programming was discussed with student. Total 8 groups has developed their own coding for line follower & tested it successfully on available line follower hardware. Workshop was followed by certificate distribution by Prof. N. M. Deshkar (Associate Professor EE) & vote of thanks was given by Prof.G.Goyal. In this workshop Mr. Adnan Khan (Technical team Head EESA) work as organizing team member & Mr. A. Sengupta has done necessary venue arrangement.



8. One day workshop on “AUTOCAD ELECTRICAL”

The department of Electrical Engineering & Electrical Engineering Students' Association (EESA) has organized a one day workshop on “**AUTOCAD ELECTRICAL**” for the third year students in electrical computer lab. The students were divided in two groups to conduct the workshop in two batches i.e. on 16/02/2017 and 17/02/2017 from 10:00am to 04:00pm. The workshop was conducted by Mr. Praful Baid, CEO, Astral Informatics Pvt Ltd, Nagpur and trainers from Astral Informatics. For the workshop Autocad Electrical 2014 version was used. Number of students attended the workshop in two batches were 73. From the workshop students got the basic knowledge to use the Autocad Electrical which will be useful for them to draw a single line diagram of the industry and 3-D structures. The workshop was coordinated by Prof.V.T.Barhate, HOD Electrical Department, Prof. (Mrs.).P.A.Salodkar and Prof. G.N.Goyal, EESA Incharge.

9. STTP on Microcontroller dsPIC33EP256MC202

The Electrical Engineering Department of Shri Ramdeobaba College of Engineering and Management has organized a one week, I.E.E.E. Bombay Section Short Term Training Program (S.T.T.P.) on “Microcontroller dsPIC33EP256MC202 and its applications” for engineering college teachers and M.Tech students. The program was inaugurated on 19th December 2016 by hands of Principal Dr. Rajesh Pande, Professor. The inaugural program began with Saraswati Vandana followed by lighting of traditional lamp. Dr. Sanjay Bodkhe introduced the audience about the objectives of this workshop and informed that 28 faculty members & M. Tech students from other engineering colleges are participating in this workshop. The course content was designed to cover theory as well as practical aspects. The HoD, Prof. Barhate hoped that this workshop will benefit the participating teachers from other colleges in Nagpur to gain knowledge and consequently shall further enhance the quality of U.G. and P.G. projects guided by them. In his presidential address, Dr. R. S. Pande congratulated the organizing team and participants. He informed that during winter vacation period, the faculty members of various departments at RCOEM are utilizing their time for knowledge up-gradation and knowledge sharing by organizing such workshops which shows that the academic environment at RCOEM is truly vibrant.



Prof. M.B.Gaikwad delivered the vote of thanks. The inaugural program was hosted by Sakshi Shrivastava and Priyanka Kimmatkar.

Noted experts from and around Nagpur like Prof. Anurag Khergade, from S.B.J.I.T College, Prof. Rahul Chakole from KITS college, Ramtek, Dr.Snehal Gawande from YCCE, Prof. Bhavika Shah from YCCE, and Dr. D. P Kothari ,Director Research Of S.B. Jain Institute Of Technology, Management & Research shared their knowledge and experiences during this workshop. In addition, the in-house faculties Dr. M. M. Renge and Prof. U. B. Mujumdar also conducted their sessions during this program. Prof. R. G. Deshbhratar, Prof. M.B.Gaikwad, Prof. M.V .Palandurkar, Prof. Rupal Agarwal were the organizers of this event. The most outstanding feature of this workshop was that the P.G. Students of PEPS (Power Electronics Power System) program conducted the laboratory sessions to give hands-on experience to the participants.



10. One day A workshop on “Basics of Aptitude skills”

A workshop on “Basics of Aptitude skills” for third year students was organized by Electrical Engineering Students’ Association (EESA) on 5th August 2016. The workshop was conducted by Mr. Pravin, Alumni 2001 batch, Industrial and Mr. Ashis Diwan, Alumni 2009 batch, Electrical. This workshop was organized by Electrical Engineering Student Association (EESA) under the guidance of faculty advisor Prof. G. N. Goyal and HOD, Prof. V. T. Barhate. Total 55 students were benefitted from this workshop.

11. One day A workshop on “Concept of Group Discussion & Personal Interview”

A workshop on “Concept of Group Discussion & Personal Interview” for final year students was organized by Electrical Engineering Students’ Association (EESA) on 10th August 2016. The workshop was conducted by Mr. Sumit Totade, Ex Endorsement Dale Carnegie Trainer. This workshop was organized by Electrical Engineering Student Association (EEESA) under the guidance of faculty advisor Prof. G. N. Goyal, and HOD, Prof. V. T. Barhate. Total 58 students have attended the workshop and learnt the Do’s & Dont’s of Group discussion & Personal Interview which will be helpful for them in Campus recruitment process.

12. One day A workshop on “Career as Data Analavst”

A workshop on “Career as Data Analavst” for final year students was organized by Electrical Engineering Students’ Association (EESA) on 13th August 2016. The workshop was conducted by Mr. Soubhik Dasgupta, Alumni 2007 batch, Electrical. He is founder & CEO of SDG Statistics & Demographic Governance, Pune. This workshop was organized by Electrical Engineering Student Association (EEESA) under the guidance of faculty advisor Prof. N. M. Deshkar, Prof. G. N. Goyal, and HOD, Prof. V. T. Barhate. Total 55 students have attended the workshop and learn the opportunity as Data Analyst

13. one day workshop on “AUTOCAD ELECTRICAL”

The department of Electrical Engineering & Electrical Engineering Students' Association (EESA) has organized a one day workshop on "AUTOCAD ELECTRICAL" for the third year students in Electrical Computer Laboratory. The students were divided in two groups to conduct the workshop in two batches i.e. on 2^{5th} & 2^{6th} February. The workshop was conducted by Mr. Praful Baid, CEO, Astral Informatics Pvt Ltd, Nagpur and Ms. Ankita Jog, Trainer, Astral Informatics Pvt. Ltd, Nagpur and Mr. Vishal, Trainer, Astral Informatics Pvt. Ltd, Nagpur. Seventy seven students attended the workshop in two batches They benefited with the basic knowledge to use the Autocad Electrical which will be useful for them to draw a single line diagram of the industry and 3-D structures. The workshop was coordinated by Prof. G. N. Goyal, EESA In-charge, and Prof. Mrs. P. A. Salodkar under the guidance of Dr. S. B. Bodkhe, In-charge HOD Electrical Engineering Department.

14. STTP on Microcontroller dsPIC33EP256MC202

The Electrical Engineering Department of Shri Ramdeobaba College of Engineering and Management has organized a one week, I.S.T.E. short term training program on "Microcontroller dsPIC33EP256MC202 and its applications" for engineering faculty and M.Tech students. The program was inaugurated on 28th December 2015 by hands of Dr. M.V. Aware, Professor and Ex-HoD of Electrical Engineering VNIT, Nagpur. The inaugural program began with Saraswati-vandana sung by Ms. Bhavika Shah followed by lighting of traditional lamp. During this program, the Principal Dr. Rajesh Pande, the HoD Prof. V. T. Barhate, STTP coordinators Dr. M. M. Renge and Dr. S. B. Bodkhe were prominently present. Dr. M. M. Renge introduced the audience about the objectives of this workshop and informed that 30 faculty members from other engineering colleges are participating in this workshop. The course content was designed to cover theory as well as practical aspects. The HoD, Prof. V. T. Barhate hoped that this workshop would definitely benefit the participants from other engineering colleges in Nagpur to gain knowledge and consequently further enhance the quality of U.G. and P.G. projects guide by them. The principal Dr. R. S. Pande congratulated the organizing team and participants. He informed that during this winter vacation period, the faculty members of the department are utilizing their time for knowledge up-gradation and the knowledge sharing by organizing such workshops. It shows that the academic environment at RCOEM is truly vibrant.

Dr. M. V. Palandurkar introduced the chief guest to the audience and Prof. R. G. Deshbhratar delivered the vote of thanks. The inaugural program was hosted by Mr. Anurag Khergade and Ms. Bhavika Shah.

The chief guest Dr. M. V. Aware who was also the key note speaker on the first day highlighted the recent development in electrical drives. Noted experts from and around Nagpur like Prof. Hemant Diddee, Energy Auditor, Dr. P. P. Bedekar from Govt. College of Engineering, Amravati, Dr. H. M. Suryawanshi, Dean (R&D) from VNIT and Mr. Sandeep Sonaskar, Entrepreneur shared their knowledge and experiences during this workshop. In addition, the in-house faculties Dr. M. M. Renge and Prof. U. B. Mujmdar also conducted their sessions during this STTP. Prof. R. G. Deshbhratar, Prof. S. H. Deshmukh, Prof. S. C. Rangari, Prof. P. A. Salodkar, Prof. M. B. Gaikwad, Dr. M. V. Palandurkar, Prof. Rupal Agarwal and Prof. Manjula Sahu were the organizers of this event. The most outstanding feature of this workshop was that the P.G. Students of M.Tech (Power Electronics Power System) program name Aunrag V. Khergade, Manoj A. Waghmare, Medha R. Giri, Rahul V. Chakole, Shefali Wasnik, Bhavika Shah, Madhura S. Deshmukh, Aaisha Meraj Ali, Afsana S. Rehman, Abhishek R. Bagh, Kapil S. Jangid, Aniruddha V. Jadhav and Vinay M. Awasthi conducted the laboratory sessions to give hands-on experience to the participants.



STTP on Microcontroller

15. **Work shop on “Skill Development Program On Concepts of Electrical Systems and Computers”**

Department of Electrical Engineering has conducted Skill Development program for supporting staff on “Concepts of Electrical systems and Computers” from 14th Dec. 2015 to 18th Dec. 2015. The program was attended by supporting staff of

various departments like Mechanical, Industrial, Workshop, Electronics, Electrical, Mathematics, Electronics & Design Technology, Electronics and Communication, Computer Science, Information Technology and Civil. The total participants were 20. The five day program was included with lecture session, hands -on experience on hardware kits, Substation Visit of our college, basics of computers (word, Excel, Internet etc). The topics covered under the lecture sessions were about the domestic wiring, public safety, basics of Power System, basic principle of operation of AC/DC motor, Energy Bill Calculation

The sessions were conducted by Prof. N. M. Deshkar, Dr. M. M. Renge, Dr. D.R.Tutkane, ,Dr. S. B. Bodkhe, Prof. R.G. Deshbhratar, Prof. S. H. Deshmukh, Prof. Sonali Rangari, Prof. V. A. Huchche, Prof. P. A. Salodkar ,Prof M. B. Gaikwad and Prof. G. N. Goyal.

Prof. P.V. Kapoor has coordinated the Skill Development program in successful way with a kind support of Prof. V.T. Barhate, Head of Electrical Engineering Dept and organising committee members Prof. S.C. Rangari and Prof. M. B. Gaikwad.

The programme was inaugurated by a Prof. V.T. Barhate with his Key-note speech on motivational talk. The valedictory function was presided by Principal Dr. R. S. Pande. Registrar Mr. Narkhede was also present at the time of valedictory function.

