

Session: 2018-19

Events & Activities

FDP on “Embedded Systems and Interfacing Hands-on”

A Faculty Development Program on **“Embedded Systems and Interfacing Hands-on”** was organized at Department of Electronics and Communication Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur during 10th -14th June, 2019. The course was conducted by Electronics and ICT Academies setup and approved by Ministry of Electronics & Information Technology (MeitY). Under the scheme various IIT’s, NIT’s and IIIT’s come together for training with hands-on on basic and advanced level topics for Engineering streams. The E&ICT academies organize Faculty Development Programmes during summer (May - July) in core areas of Electronics and Information & Communication Technology (ICT) streams for faculty/mentor development and upgradation. The program was mainly organized by MNIT Jaipur and NIT Patna with RCOEM as one of the recognized remote centres.

The program concluded with 21 participating faculties attending and appreciating the course at the RCOEM remote centre. The participants appreciated the program and efforts of the organizing team. The course was locally coordinated by Dr. (Mrs.) B. A. Neole and Prof. P.R. Selokar.



Participants of the FDP on Embedded Systems and Interfacing Hands-on

FDP on “Robotics & AI”

A Faculty Development Program on “Robotics & AI ”was organized at Department of Electronics and Communication Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur during 24th – 28th June, 2019. The course was conducted by Electronics and ICT Academies setup and approved by Ministry of Electronics & Information Technology (MeitY). Under the scheme various IIT’s, NIT’s and IIIT’s come together for training with hands-on on basic and advanced level topics for Engineering streams. The E&ICT academies organize Faculty Development Programmes during summer (May - July) in core areas of Electronics and Information & Communication Technology (ICT) streams for faculty/mentor development and upgradation.

The program concluded with 20 participating faculties attending and appreciating the course at the RCOEM remote centre. The participants appreciated the program and efforts of the organizing team. The course was locally coordinated by Prof. Ashlesh Jaiswal and Dr. D G Khushalani.



Participants of Robotics & AI

Workshop for Students on “IoT (Internet of Things) and Python Programming”

The five day workshop on “IoT (Internet of Things) and Python Programming” was scheduled during 27th – 31st May 2019 for second, third and final year students of EC department. The objective of this workshop was to enhance the programming skill of students in Python and also to provide knowledge of and exposure to Raspberry Pi as an IoT platform. Around 47 number of students attended this workshop. The resource person for this workshop was Ms. Pratyaksha Jha (Alumni), Prof. Ashlesh Jaishwal and Prof. Manoj Sarve.



Workshop for Students on “IoT (Internet of Things) and Python Programming”

Workshop for Students on “Programming Test Questions – Recent Trends in Campus Recruitment exams”

One week refresher course on “**Programming Test Questions – Recent Trends in Campus Recruitment exams**” was scheduled during 24th – 28th June, 2019 for students of EC department. The objective of this workshop was a part of Training & Placement activity for hands on training in C, C++ and Database Programs was conducted to enhance the programming and technical skill of students for placements in IT/core companies. Around 50 number of students attended this workshop. The resource person for this workshop was Mr. Makarand Pandharipande, PG-CS, Nagpur University, Proprietor, Pandharipande Computer Center, Nagpur and Prof. N. M. Borkar.



Refresher course for Students on “Programming Test Questions - Recent Trends in Campus Recruitment exams”

Workshop on “Meditation techniques for stress relief”

Three days’ workshop on “**Meditation techniques for stress relief**” was organized for the faculty members of Electronics and Communication Engineering department during 2nd - 4th August 2018. Prof. M.A. Jethwa & Mrs. Sudha, of Shree Ramchandra Mission, Nagpur was the resource person for this workshop.



Glimpses of the workshop on “Meditation Techniques for stress relief”

Guest Lecture organized by Industry Person

- 1) Guest lecture on “IoT and Cloud Computing” was delivered by Mr. Advait Upadeo and Ms. Alekha Puranik, TCS, Nagpur, on 1st June 2019.



Guest lecture on “IoT and Cloud Computing” by Alekha Puranik on 1st June 2019

- 2) Mr. Ajit Kumar Singh, Project Engineering at Cerium Systems and Alumni of RCOEM, delivered a guest lecture on “Opportunities in Core Companies ” for students of third year on 18th March 2019.



Guest Lecture on “Opportunities in Core Company” by Mr. Ajit Kumar Singh on 18th March 2019

- 3) A Guest lecture on “3D Printing” by Abhijit Raut, Executive Director, 3D Innovators was organized on 16th March 2019.
- 4) Guest lecture on Career Opportunities in Embedded Systems was delivered by Ms.Swati Naidu, Eminent Alumni of RCOEM, Embedded systems and Smart Meters Consultant, Career Guide, Lifeskills Trainer For Professionals on 2nd January 2019.



Guest lecture on Career Opportunities in Embedded Systems by Ms.Swati Naidu

- 5) Guest lecture on “GATE & Career opportunities through GATE” was delivered by Mr. Abhinav Dandare, Alumni RCOEM, EX-IITM (Now EO- AAI), which was organize for second and third year students on 1st December 2018.

- 6) Mr.Pankaj Dhakate, Eminent Alumni of RCOEM and Head of Engineering, RCS, India delivered a guest lecture on Guest lecture on “Career Opportunities in Core Companies” on 24th December 2018.



Guest lecture on Career Opportunities in Core Companies by Mr.Pankaj Dhakate, Eminent Alumni of RCOEM, Head of Engineering, RCS, India

- 7) Dr. Biswajeet Mukherjee, Assistant Professor, IIT Jabalpur, deliver a Guest lecture on “Antenna Arrays and Practical Antennas” on 29th December 2018.



Guest lecture on Antenna Arrays and Practical Antennas by Dr. Biswajeet Mukherjee

- 8) Under the Entrepreneurs cell a guest lecture was organized on “Mantras for Successful Entrepreneurs” by eminent Entrepreneur Mr. Nitin Biyani, Founder, Chai Villa, Nagpur on 28th July 2018.



Guest lecture on “Mantras for Successful Entrepreneurs” by Mr. Nitin Biyani

- 9) Mr. K. M. Paithankar, Director, Konverge, AI, Pune delivered a guest lecture on Advances in Computer Communication Network to final year students on 12th October 2018.

Awards received by Faculty of department

1. Dr. S. B. Pokle, received **RCOEM Researcher Award 2018-19** for **outstanding research work** during valedictory function of Pratishruti-2019 on 1March 2019.



Dr. S. B. Pokle, received **RCOEM Researcher Award 2018-19**

2. Dr. R. B. Raut has received certificate of “Top performing Mentor” by NPTEL for the NPTEL course on “Joy of Computing using Python”. He has received the certificate at the hands of Chief Guest of valedictory function of Pratishruti-2019 on 1March 2019.



Dr. R. B. Raut has received certificate of “Top performing Mentor”

3. Dr. Deepak Khushalani received Indian Nano-electronics Users' Program (INUP) “Best Project Award 2018” at Indian Institute of Technology Bombay (IITB) for 2018-19 of topic “Fabrication & Characterization of MEMS Cantilever Switch for Power Applications”, whose principal investigator was Dr. Rajesh Pande, Principal and Co-Principal Investigator was Dr. Deepak Khushalani, Assistant Professor, RCOEM with active inputs from Dr. R.M. Patrikar.



Award received by Dr. Rajesh Pande and Dr. Deepak Khushalani

Industrial Visit

One day industrial visit was organized for the Students of department of Electronics and Communication Engineering Third year (Section A and B) to Doppler Radar Station (Regional Metrological centre) situated at Dr. Babasaheb Ambedkar International Airport, Nagpur on 8th March 2019. Around 80 students were accompanied by four faculty members namely Dr. Jagdish Kene, Prof. Prashil Thakre, Prof. Divya Shrivastav and Prof. Suvarna Gosavi.



Industrial Visit at Doppler Radar Station, Dr. Babasaheb Ambedkar International Airport, Nagpur

Parents Meet

PTM 2018-19 (Even Semester)

Department of Electronics and Communication Engineering organized a Parent-Teacher Meeting for the session 2018-19 (Even Semester) on **9th February 2019**. Parent-Teacher Meeting coordinator welcomed the parents and emphasized on the need of developing an enhanced communication between parents and faculty to serve as a bridge in fulfilling expectation of parents and students. Dr. R. B. Raut, HOD EC addressed the gathering conversing about the happenings and recent developments in the department. The meeting witnessed nearly 30 parents from all the semester and sections combined and shared their valuable suggestions. The meeting was coordinated by Prof. D. D. Shrivastava.



Dr. R. B. Raut addressing the parents

PTM 2018-19 (Odd Semester)

Department of Electronics and Communication Engineering organized a Parent-Teacher Meeting for the session 2018-19 (Odd Semester) on **8th September 2018**. Parent-Teacher Meeting coordinator welcomed the parents and emphasized on the need of developing an enhanced communication between parents and faculty to serve as a bridge in fulfilling expectation of parents and students. Dr. R. B. Raut, HOD EC addressed the gathering conversing about the happenings in the department. A brief review of the various activities related to student

placements, student counselling and extra-curricular activities in the department formed a segment of this discussion. Parents were also made aware about the modifications in academic and exam rules, guidelines and provisions of the college by the HOD during the interaction. The enthusiastic parents showed keen interest in the meeting. Parents disclosed their satisfaction regarding the culture and atmosphere prevailing in the department and talked about their queries related to the academics and personal growth of their ward. The parents profoundly enquired for the new credit transfer policies for the development of their wards.

The meeting witnessed nearly **50 parents** from all the semester and sections combined and shared their valuable suggestions. The meeting was coordinated by **Prof. D. D. Shrivastava**.



Dr. R. B. Raut addressing the parents

1. Any Other

- i. **Dr. Sanjay Pokle**, published an **idea patent** on, “Peak to average power ratio (PAPR) reduction in OFDM system using Hybrid approach”. Application Number: 201721036658. Published on date: 19-4-2019
- ii. **Dr. Sanjay Pokle**, submitted **research proposal** to SERB-DST, Title: Development of a platform for designing and testing Reconfigurable Antennas for various Wireless Communication applications with improved parameters for grant of Rs.3842400/-.
- iii. **Dr. Sanjay Pokle** was invited as a **Chief Guest** for Inaugural function of AICTE-ISTE approved one week STTP on “Advanced Course in Machine Learning & Artificial Intelligence”, dated on 22 April 2019 organized by Suryodaya College of Engineering & Technology, Nagpur.
- iv. **Prof. Ankita H. Harkare**, successfully Completed **NPTEL Online Certification Course** in Modern Digital Communication Techniques, conducted by Indian Institute of Technology (IIT) Kharagpur from Jan to April 2019 funded by Ministry of HRD, Govt. of India.
- v. **Dr. S. B. Pokle**, appointed and served **as a reviewer** for International Journal, The Journal of Indian Geophysical Union, NGRI Campus, Uppal Road, Hyderabad. Reviewed 01 research paper on 30 January 2019.
- vi. **Dr. S. B. Pokle**, appointed and served **as a reviewer** for 2nd International Conference on Communication and Cyber physical Engineering ICCCE-2019, organized by GHRCEM, Pune on 1-2 Feb.2019.

- vii. **Dr. S. B. Pokle, session chair** for National Conference on advances in Engineering, Technology and Applied Sciences ‘**SPANDAN-2019**’, held on 26-26 March,2019 at YCCE Nagpur.

- viii. **Dr.S.B. Pokle**, Professor EC dept,RCOEM Appointed as a **Chairman of Local Enquiry Committee** by RTM Nagpur University for continuing affiliation of V.M. Institute of Engineering &Technology, Nagpur on 24-11-2018.

- ix. **Dr.S.B. Pokle**, Professor EC dept, RCOEM **Reviewer** for 2nd International Conference on Electronics systems, Signal Processing &Computing Techniques (ICESC-2018), Organized at R.C.O.E.M., Nagpur,7-8 Dec.2018.

- x. **Prof. Ankita H. Harkare**, successfully Completed **NPTEL Online Certification Course** in Digital Circuits, conducted by Indian Institute of Technology (IIT) Kharagpur from Jan to April 2019 funded by Ministry of HRD, G.o.I.

- xi. **Prof. Prashil Thakre**, successfully Completed **NPTEL Online Certification Course** in Digital Circuits, conducted by Indian Institute of Technology (IIT) Kharagpur from Jul to Oct 2018 funded by Ministry of HRD, G.o.I. with ELITE grading.

- xii. Prof. Puja Agrawal, successfully Completed **NPTEL Online Certification Course** in Digital Circuits, conducted by Indian Institute of Technology (IIT) Kharagpur from Jul to Oct 2018 funded by Ministry of HRD, G.o.I. with ELITE grading.

- xiii. **Dr. (Mrs.) Mridula Korde** attended "**4th World Summit on Accreditation (WOSA 2018)**" organized by National Board of Accreditation at New Delhi during **7-9 September 2018**.

- xiv. **Dr. Jagdish D. Kene** received the grant of **Rs. 1,80,000/-** under **RCOEM – Young Faculty Research Funding Scheme (YFRF)** for the project **“Controller for drone based pesticide sprayer for agricultural crops”**. The grant is sanctioned for the duration of 1 year.
- xv. **Prof. Ankita H. Harkare** presented a paper **“Automatic Control of Electrical Appliances using Bluetooth”** in **ICW 2018** conference at **Yogyakarta, Indonesia** held from **18th September to 21st September, 2018**.