

- Mr. Chetan Agrawal, an alumnus of RCOEM and an entrepreneur, delivered a guest lecture on "Software Industry Work Ethics" for students of third and final year on 7<sup>th</sup> October 2017.
- Mr. Abhay Kochar, Founder and CEO of Webgile Solutions Pvt. Ltd., delivered a talk on "Entrepreneurship" for students of Department of Computer Science & Engineering organized by the department's Entrepreneurship Development Cell on 11<sup>th</sup> October 2017.
- Workshop on "Python"- was arranged for the students conducted by Mr. Anup Kelkar Data Analyst, Entrepreneur & Technical Speaker, Python Academy, Nagpur on 24th and 25th January 2018.
- Workshop on "Angular JS"- was conducted by Mr. Hitesh Goyal, on 24th and 25th January 2018. He is an entrepreneur and Analyst at Infocepts, Nagpur, as well as an alumnus of SRCOEM, Nagpur.
- Guest lecture on "Recent Trends in Business Analytics and Data Science." was delivered by Shashank Garg, Founder and Director of Infocepts, Nagpur, on 24th January 2018.
- Mr. Ravishankar Rajagopalan, Co-founder and Consultant - Software Development, Cralina delivered an expert lecture on the topic "What you really need to know about software!" for VI semester students on 16th February 2018.
- Ms. Kehkashan Fazal, an alumna of the department delivered a guest lecture for students of IV semester on "Entrepreneurship" dated 24<sup>th</sup> March 2018.



*Ms. Kehkashan Fazal interacting with students of second year*

## **Summer Courses by E&ICT Academies**

Ministry of Electronics and Information Technology [MeitY] under the Government of India Initiative for Employability Enhancement has established seven Electronics and ICT [E&ICT] Academies. Department of Computer Science and Engineering, being the Local centre for Summer Courses organized under this initiative by MeitY, Govt. of India, successfully conducted three Faculty Development Programmes of one week each under the supervision of Dr. Manoj B.Chandak, Head, CSE Department.

These courses were conducted by Electronics and ICT Academies through National Knowledge Network under the “Scheme of Financial assistance for setting up of E&ICT Academies” by Govt. of India. No registration fee was charged for participation in the course. Dr. Rajesh S. Pande, Principal, RCOEM was the NKN Facility In-Charge for the courses.

## **FDP on AI and Machine Learning**





*Dr. M. B. Chandak, Head, CSE, Prof. Dilipkumar A. Borikar, Coordinator, FDP on AI&ML and other Participants at Local Center, RCOEM Nagpur.*

Department of Computer Science & Engineering, RCOEM, organized a 5-Day FDP on “AI and Machine Learning” during June 04-08, 2018. The course was delivered by E&ICT Academies, Indian Institute of Technology, Roorkee and Malaviya National Institute of Technology [MNIT], Jaipur as coordinating and co-coordinating academies respectively. In all 31 teaching faculty members participated in the FDP from different engineering institutes of the region.

The course focused on data pre-processing, supervised & un-supervised learning, feature engineering for computer vision and recommendation systems using microblogs. The laboratory sessions were conducted under supervision and assistance from IIITDM Jabalpur using Python 3.6 and SKLearn under Anaconda IDE environment. The course was coordinated by Prof. Dilipkumar A. Borikar and Prof. Heena Agrawal.

## FDP on ANN and Deep Learning



*Participants receiving course contents delivered using NKN Mode at Local Center, RCOEM Nagpur*



*Participants of 'ANN and Deep Learning' along with the coordinators.*

FDP on “ANN and Deep Learning” was conducted from 11<sup>th</sup> June to 15<sup>th</sup> June 2018 by E&ICT academy IIITDM, Jabalpur. Faculties from IIT Roorkee, IIITDM Jabalpur, NIT Warangal, IDRBT Hyderabad and University of Hyderabad delivered the online lectures on the various fields, challenges and applications of ANN & Deep learning with some hands-on practices.

The FDP was attended by 24 participants from all over Maharashtra. Dr. S. S. Aote and Prof. Neha Tirpude coordinated the workshop under the guidance of Dr. M. B. Chandak, HOD, CSE.

### **FDP on Internet of Things**



*Dr. M. B. Chandak, Coordinator, FDP IoT, and all participants at RCOEM, Nagpur*

The department conducted a FDP on “Internet of Things” from 18<sup>th</sup> June to 22<sup>nd</sup> June 2018 by E&ICT academy IIT Roorkee. Faculties from IIT Kharagpur, IIT Kanpur, NIT Warangal, IIIT Hyderabad delivered the online lectures on the various topics such as Fog Computing, AWS IoT Platform, IoT Communication Protocol Stack and various security issues in Online Networks. XTrans Solutions Pvt. Ltd. conducted the session on creating a cloud platform, Data Analytics and Data Harvesting. The theory sessions were followed by lab sessions which consisted of hands-on practice with Raspberry Pi3 and AWS Cloud. 21 participants had registered for the FDP from all over Maharashtra. Dr. M. B. Chandak and Prof. Vasundhara Rathod coordinated the workshop.

### **Expert Talk on “Amazon Web Services”**

An expert talk on “Amazon Web Services” was organized by Department of Computer Science and Engineering. 55 students from third year and final year CSE attended the workshop. Mr. Ajinkya Soitkar, Trainer and Strategy Implementer, Amazon, India delivered the lecture from 11 a.m. to 1 p.m. on 22<sup>nd</sup> June 2018. He briefed the students about creation of cloud servers, data nodes and their replication. He also demonstrated data management on cloud, data access strategies, cloud security and hardware management. The expert talk was organized under the guidance of Dr. M. B. Chandak.

## Workshop On “Basic Programming Using Python”

Department of Computer Science and Engineering organized a free Remote-assisted Three days workshop on “Basic programming using Python” for students of second year and third year conducted by IIT Bombay. The workshop was organized for third year students of the department from 23<sup>rd</sup> to 25<sup>th</sup> May 2018, and for second year students from 29<sup>th</sup> to 31<sup>st</sup> May 2018. The workshop comprised of interactive sessions and hands-on experience in Python programming with many practice sessions and quizzes. Graded Certificates were provided to the students.



*Participants from third year attending the workshop broadcasted from IIT Bombay*



*Participants of second year with the coordinators ( L-R: Prof. S. Jain, Dr. R. Hablani, Dr. M. B. Chandak, Prof. K. Kalyani and Dr. S. S. Aote)*

A total of 32 participants from third year registered for the programme, which was coordinated by Dr. S. S. Aote & Prof. A. R. Raipurkar, whereas 33 students from second year attended the workshop which was coordinated by Dr. Ramchand Hablani, Prof. Kanak Kalyani and Prof. Sweta Jain under the guidance of Dr. M. B. Chandak, HOD, CSE.