



- Flexible Choice Based Credit System (Liberty To Design Your Own Degree)
- New Academic Model at par with renowned International Universities
- 1 Million+ sq. mtrs. (265 acres) Green Campus
- Collaborations with 25+ Universities of US & Europe

**OUTSTANDING UNIVERSITY IN RAJASTHAN**  
-CEGR AWARD 2019

**THE MOST INNOVATIVE UNIVERSITY CAMPUS OF INDIA-2018**  
-ABP NEWS

**THE MOST ECO FRIENDLY CAMPUS OF INDIA**  
-ABP NEWS



## Workshop organized

1. The workshop on “Ethical Hacking” associated with “Make Intern” was organized at CET by Computer science & engineering Department with Makeintern.com & Kshitij (IIT KGP Event) recently, Mody University during January 11 & 12, 2018. The workshop was successful under the guidance of Ms. Aditi Kajala. The objective of the workshop was to make the students aware about Ethical Hacking techniques & Information Security and how to implement them in positive manner. Mr. Sahil, senior research engineer which had a tie up with Makeintern.com taught and gave hands on training the students during the two days of workshop.

2. A workshop on Android Application Development was organized at CET by Computer Science & Engineering Department with Makeintern.com & Kshitij (IIT KGP Event) recently. It was organized from January 11, 2018 to January 12, 2018 under the guidance of Ms. Aditi Kajala. This workshop was interesting as it was completely practical. Mr. Adarsh Rawat, senior research engineer at Entrench Electronics which had a tie up with Makeintern.com taught and gave hands on training the students during the two days of workshop.

The participants were provided with Abstract Developer, software for app development just like NetBeans and Android Studio. It also

included JDK 2.0 with it which is important for Java programs. Students were told how to put simple elements in the application with the help of just drag and drop. Simple buttons were inserted in the application. Also there was a layout view of how the application will be visible on mobile phone.



## Workshop on Industry Oriented Software & Hardware Training

Department of Biomedical Engineering in association with Pamtrons Healthcare Devices, Mumbai organized Two-day Workshop on Industry Oriented Software & Hardware Training for Biomedical Engineers during January 29-30, 2018 at CET, Mody University of Science and Technology. The objective of the workshop is to provide information and hands on training about latest trends in Healthcare hardware and Software Engineering Industry to the students and faculty.

### Day -1

The workshop was inaugurated at 10 AM. The inaugural function was attended by Prof. V. K. Jain, Dean CET, Mr. Paresh Modh, CEO Pamtrons Healthcare Devices Mumbai, Dr. V. K. Manohar, Chief Executive Officer at TechMaven private limited and Vice President at TechMahee Pvt. Ltd. Hyderabad, Dr. Sandeep Jaiswal, Faculty and Students of ECE and BME Department. Dr.

Sandeep Jaiswal, coordinator of the workshop started the session by briefing about workshop. Dr. V. K. Jain, Dean CET Welcomed all the guests and dignitaries by presenting his opening remarks and with welcome note.

### Session 1:

Dr. V.K Manohar delivered a lecture on Importance of Biomedical Engineering, Scope and Challenges. Mr. Paresh Modh and Milind Thorat demonstrated CARDIOPULMONARY RESUSCITATION (CPR) Technique and provided hands on training to the students.



### Session 2:

Mr. Paresh Modh and Milind Thorat provided hands on training on clinical and ICU hardware and Dr. V.K. Manohar delivered lecture on Matlab application in biomedical signal processing and Image Processing.



## Day 2

Session 1: Dr. V. K. Manohar provided hands on training on Biomedical Signal and Image processing software programming. Mr. Paresh Modh and Milind Thorat demonstrated android based critical care biomedical equipment and Diabetic foot care equipment.

Session 2: A discussion held about Career and Job Opportunities in biomedical Engineering field. After discussion Pamtrons Healthcare Devices, Mumbai had one to one interaction with students of Biomedical Engineering. All third year Biomedical Students received offer of summer internship and chance to get absorb in industry after successful training. Certificates were distributed among the participant by Prof. V.K. Jain, Dean CET and Dr. V.K. Manohar, Chief Executive Officer at Tech Maven private limited and Vice President at Tech Mahee Pvt. Ltd. Hyderabad and Vote of Thanks given by Dr. Sandeep Jaiswal Coordinator of Workshop. The 2-day workshop was appreciated by all the participants and feedback has been taken for future improvements



## Visit of Medical Fair (March 16 -18, 2018), Mumbai

Healthcare has become one of India's largest sectors - both in terms of revenue and employment. Healthcare comprises hospitals, medical devices, clinical trials, outsourcing, telemedicine, medical tourism, health insurance and medical equipment. The Indian healthcare sector is growing at a brisk pace due to its strengthening coverage, services and increasing expenditure by public as well private players. Deloitte Touche Tohmatsu India has predicted that with increased digital adoption, the Indian healthcare market, which is worth around US\$ 100 billion, will likely grow at a CAGR of 23 per cent to US\$ 280 billion by 2020. The healthcare market can increase three fold to US\$ 372 billion by 2022.

The MEDICAL FAIR INDIA is a trade fair that forms part of the "MEDICALAlliance" family of trade fairs and is organized by Messe Düsseldorf India, a subsidiary of Messe Düsseldorf, in close cooperation with the team at Düsseldorf's No. 1 trade fair MEDICA.

On the Behalf of CET, Mody University of Science and Technology, Dr. Sandeep Jaiswal got opportunity to visit MEDICAL FAIR INDIA 2018 during March 16 -18, 2018 at Bombay Convention

& Exhibition Centre Mumbai, India. It was a great experience for him to attending 24th edition of the MEDICAL FAIR INDIA. There are almost 550 exhibitors from some 20 nations. Targeted Groups for this fair were:

Visitor target groups: Distributors / Traders, Doctors, Biologists / Microbiologists / Biochemists / Chemists, Laboratory Managers, Physiotherapists / Ergotherapists, Pharmacists,

Hospital Administrators / Hospital Directors / Hospital Managers, Visitors for Academies and Medical Colleges, Medical Trade, Medical Industry, Medical Associations, Ministry and State Health Department, Private / Government Hospital, Private Clinic / Medical Centre / Nursing Homes

Main product categories: Medical Technologies, Hospitals / Health Centers / Clinics Equipment and Products, Laboratory and Analytical Equipment and Products, Pharmacy and Dispensary Equipment and Furniture, Rehabilitation, Components, Service Providers, Hospital Infrastructure.

He has seen various modern Technologies, instruments, furniture's of hospital utility especially for the purpose of ICU, Operation Theater and emergency care, equipment for rehabilitation for persons with disabilities. He has also seen various human model for teaching medical and biomedical students and real time practice models.

He has interacted with companies and manufactures from China, Taiwan, India, United Kingdom, Poland, Denmark etc. at the Medical Fair. Following companies like BORSAM Biomedical Instruments CO. Ltd, China, Kangli medical group, China, Niscomed electro medical device, India, Vcomin technology limited China, Hwatime group Co. Ltd., Honkon, Yyxing Medical device import and export company ltd. Shanghai, Jerry Medical Instruments co. ltd. China, Doctor Medicinae Model manufacturing Company, China, Desh biological works India, Polish

Medical Equipment's, Poland, CHUNGWOO, South Korea, Cybermedic Rehabilitation and Health care, South Korea, Star Health Products, India, and Aranbans exporters Pvt. Ltd, India discussed about technologies and opportunity for biomedical engineers.

This fair was really beneficial for him. It's really helping for him to increase his academic and professional growth which can be utilized to develop the department. He is very much thankful to Prof. V.K. Jain, Dean CET for giving him such wonderful opportunity and support for the trip.



## Achievements of Faculties in IC3NS Conference

- Ms Purnima Sharma was awarded with Best Paper Award in the open category.
- Ms Satyajit Anand was First Runner-Up in the open category.
- Ms. Ranjana Thalore won Best M.Tech Thesis Award.

## Students Project Proposal shortlisted

Following projects submitted have been selected for final presentation (DST New Gen IEDC) at EDI Ahmadabad on June 21, 2018.

1. Cheap Air Purifier to filter allergens from air guided by Ms. Jeetu Sharma
2. Advanced Biomedical signal based system guided by Mr. Satyajit Anand

## Advanced Radio Access Network Course

Ericsson has successfully conducted Elective Course on "Advanced Radio Access Network" for 3rd Year ECE / EE students. The course was also attended by our ECE Faculty Members - Mr. Satyajit Anand, Mr. Vikas Raina and Ms. Purnima Sharma.



## Workshop on AI and Deep Learning at Bennett University

Mody University of Science and Technology is a one of the Lead Partner of a nationwide initiative on "AI and deep learning Skilling and Research" funded by Royal Academy of Engineering, UK under Newton Bhabha. University College, London, Brunel University, London and Bennett University, India are collaborators of the project. NVIDIA and AWS Educate, Videoken and Edvantics are industry partners. Project has the potential to change the landscape of AI Research in India. Due to the Interdisciplinary nature of applications in this domain, the impact will percolate to all the departments of the institutions. Outcome of the project will be tangible in terms of its impact to Engineering community and general public. On the merit of this initiative AICTE has recommended all of its 10000 approved institutions to associate with the project.

On the Behalf of Mody University Dr. Sandeep Jaiswal and Mr. Satyajit Anand attended the workshop on AI and Deep Learning at Bennett University, Greater Noida, U. P. during June 5, 2018 to June 7, 2018. In this three-day workshop first two day devoted on Deep Learning and last day

NVIDIA Deep Learning Institute offers hands on training for developers, data scientists and researchers, looking to solve challenging problems with deep learning.

Workshop started at 9 AM followed by registration. There were around 170 participants from different colleges and universities participated in the workshop from various parts of India. Professor Deepak Garg, Director leadingindia.ai started the session. In the first half of the Day 1

Prof. Garg delivered lectures on Fundamentals and Need of Deep Learning, Machine Learning Basics, Linear Regression, Logistic Regression Gradient Descent. After Lunch Prof. Garg delivered a talk on Designing & Optimizing Neural Network Model, Building Deep Models and Hyper Parameter Tuning & Deep Learning Hacks.

In Second day session started with discussion of Convolutional Neural Network & Computer Vision with CNNs by Dr. Vinit Jakhetiya and in second session following topics Recurrent Neural Network Sequence Modelling with RNNs, Auto encoders, generative modelling in Deep Learning were discussed by Prof. Deepak Garg.

Apart of these lecture series a good hand on training on different types of deep learning networks and computer vision techniques using Python was provided by Dr. Sridhar Swaminathan.

In the evening of second day we had a meeting with Prof. Deepak Garg. In this meeting we discussed the role of Mody University in promoting the deep learning initiative and contribution in future research.

Day three Started with a quiz session. An online questionnaire containing 65 questions was given to participant of this workshop. We both cleared the examination successfully. After quiz session Hands on training Image Classification, Object Detection & Neural Network Deployment with DIGITS and TensorRT (lab) provided by Nvidia.

This workshop was really great experience for us. We gained lots of information about new techniques and tool in deep learning. We hope such initiative definitely make the India as a leading country in Artificial intelligence and Deep learning in near future.

