

The buzzzing electron

INSIDE THIS ISSUE:

- *Vision, Mission & PEO ECE*
- *Leading Story & Success Story*
- *MOUs*
- *Expert Lecture Organized*
- *Our Recruiters*
- *Event Organized*
- *Faculty Outreach*
- *Research Publications*
- *Other Activity*

Vision ECE

To impart latest knowledge and skills so as to kindle innovation & creativity among students, to develop and sustain a culture of research while promoting values, ethics and professionalism, leading to a progressive career in industry & academia globally.

Mission ECE

To engage modern education aids, laboratories and competent faculty ensuring effective teaching learning process to meet the ever growing and changing industrial and business environment.

To continuously challenge the young minds with ideas so as to carry out innovative research through interaction with the research organizations & industry and to provide them avenues for recognition by participation in challenging platforms.

To develop responsible citizens and professional leaders with high ethical and moral values, who contribute in dissemination of universal science and technology.

Lead Story Headline

Electronics and Communication Engineering deals with electronic devices and software interfaces. It has a wide range of applications that helps to make our life comfortable and more convenient. It helps to increase productivity in various industries such as oil, energy, agriculture, and telecommunication media including television, radio and computers. The course is also applied to many other important sectors such as steel, petroleum and chemical industries; healthcare industry; and transportation industry.

The opportunities are galore for electronics and communication engineers as they are employed in variety of sectors such as Indian Telephone Industries, Civil Aviation, Development Centers in various States, Defense,



NPL, A.I.R., Posts and Telegraph Department, Railways, Bharat Electronics Limited, D.R.D.O, Telecommunication, Software Engineering/IT, Power sector, Hardware Manufacturing, Home Appliance and VLSI design, Television Industry and Research & Development. In coming years electronics and communication

engineers will be in greater demand for sectors like industrial automation & Robotics.

For More Information Visit:
<https://navbharattimes.indiatimes.com/career/it-engineering/electronic-and-communication-engineering/articleshow/47343431.cms>

Success Story

Anudeep Durishetty, topping the Civil Services exam - 2018. The achievement, however, was not an easy one to come by. It took the 28-year old Indian Revenue Service

Officer five attempts to make it to the top. "This is my fifth attempt. I have failed thrice before, and the journey was not easy for me," said the UPSC topper who comes from Telangana. Currently serving as an Assistant Tax Commissioner in Hyderabad. He used to

study along with his job and did not take any coaching to prepare for the prestigious examination.

For More Information Visit:
<https://www.ndtv.com/india-news/upsc-topper-durishetty-anudeep-journey-to-civil-services-exam-first-rank>

Program Educational Objectives (PEOs) of B.Tech Program in ECE are:

PEO 1: To prepare Graduates with sound foundation in fundamentals of basic sciences and to assist them exhibit strong, independent learning, analytical & problem solving skills in Electronics and Communication Engineering domain.

PEO 2: To facilitate learning in the core field of Electronics and Communication Engineering so as to integrate technological progression and software & firmware skills to produce high impact, energy efficient and futuristic solutions.

PEO 3: To prepare Graduates to effectively use modern equipment and programming tools to solve real life multi-disciplinary problems that are technically sound, economically feasible and socially acceptable.

PEO 4: To assist and enable individuals acquire skills to imbibe life-long learning in the field of Electronics and Communication, related research & innovation so as to have progressive careers as Managers or Entrepreneurs.

PEO 5: To inculcate professional and ethical attitude, team spirit, leadership qualities and effective communication skills in Graduates and to make them aware of their social responsibilities.

National & International Tie-ups for Hands on Training



Futuristic Collaborations



To Set CoE / HANA (Huawei Authorized Network Academy)

Remote / Physical access to Huawei Lab on IP, Telecomm, Transmission & Cloud Computing PDP Program, Corporate Seminars, TTT, LMS.



Mindteck is a global IT company, specializing in corporate IT Services, IoT services, Mobility solutions, Healthcare and Medical devices, Semiconductor, Energy etc. Will collaborate with Mindteck for Industry oriented curriculum design (ECE with IOT program) and Student live projects.



To Set NI LabVIEW Academy wherein Certification courses can be designed to validate skills acquired at professional level.

To Set Centre of Excellence for Robotics
To Set Antenna Design and Measurement Lab
To Set PCB Design & Fabrication Lab



Has been accredited twice by NBA; Applied for NBA again, NAAC Accredited; QS Star rated: 5* in Teaching, Learning, and Social Responsibility, 4* for Employability.

Tie ups with Organizations of National & International repute : (INTEL – IOT Centre, Reliance Jio, SAP, Microchip, Cogenda, Edgate - Texas Instruments, Huawei Telecommunications-Learning services)

Our Major Recruiters



Snippets of Expert Lecture Workshop/Quiz/Paper Presentation

Expert lecture was given by Mr. Sujeet Shrivastav from BDN on " Project development Tool". On 9.1.2018.



Talk by Mr. Tushar Mehta alumni of 2011-2015 batch organized on 9.2. 2018 for the students of 4th and 6th Semester.



Minor Project displayed on 6.2.18. Student display their previous semester project.



One Week ICT based STC on Embedded Systems organized for faculty of ECE from 19.3.2018-23.3.2018.



Expert Talk on Awareness Drive on SAP by Mr.Manoj Nazare Gen Mgr Sales SAP was organized for the students and faculty members of ECE deptt on 13.4.2018.



Expert talk by Mr. Sahil on "Digital Marketing and Latest Trends in Information Technology" was organized on 02.04.2018.

Snippets of Project Presentation/Industrial Visit

Department of Electronics & Communication

Engineering had organized "Project Technovation" and invited first year enthusiasts students as hobbyists to present simple and interesting solutions that could come in handy in real life scenarios on 29.3.2018.



A visit to 66kV Sub-Station Sector-31, HVPNL, Faridabad, on 5.4.2018 was organized for B Tech ECE 1st year students. Er. Ashish Garg and Mr. Diwakar Jain give a brief of HVPNL. They explain production and distribution process from initial stage to the final stage.



A visit True Chip, Noida on 25.4.2018 was organize for student of ECE 6th Semester .This visit enhance students to accelerate their knowledge to design, lowering the cost and the risks associated with the development of ASIC, FPGA and SOC.



Our Major Recruiters



Faculty Outreach

One day workshop on “Drug Designing and Applications of Machine Learning attended by Dr. Geeta Nijhawan on 10.1.2018.

One week workshop on Advanced Excel attended by Ms. Romika and Ms. Prerna from 15.1.2018-19.1.2018.

Three days workshop on 'Basics of Python' attended by Dr. Vimlesh Singh, Ms. Priyanka Bansal, Ms. Shweta Thakral, Ms. Pratima, Ms. Jyoti and Ms. Vibha 18.1.2018-20.1.2018.

One day workshop on CST software for antenna design attended by Dr. Abhiruchi on 19.1.2018.

One week short Term course on Numerical methods and optimization of EM wave organized by MITS Gwalior attended by Dr.Shruti & Dr. Vimlesh from 27.1.2018 to 31.1.2018.

Two days workshop on Prevention of Sexual Harassment of Women at Workplace at Hotel Claremont, Mehrauli Gurgaon Road, conducted by Linking Tree attended by Dr. Deepali Bansal from 27.2.2018-28.2.2018.

Three days workshop on Creative Writing attended by Dr.Sunanda Gupta from 15.2.2018-17.2.2018.

One week workshop on Train the Trainers program organized by SAP Global at Otto-von- Guericke University, Magdeburg, Germany attended by Dr.Dipali Bansal from 5.2.2018-11.2.2018.

One week FDP on Enhancing Teaching Learning Quality attended by Dr.Vimlesh and Ms.Priyanka from 15.3.2018-21.3.2018.

One day seminar on Block chain Technology and Cryptocurrencies attended by Ms.Shaveta, Ms.Pratima, Dr.Sunanda and Dr.Jyoti on 17.3.2018.

Two days seminar on comprising hands-on problem solving on linear, transport, assignment and evolutionary programming. computational technology using SOLVER TOOL of excel attended by Dr. Sunanda and Dr.Jyoti from 29.3.2018-30.3.2018.

Alumni Desk



The curriculum of our College provides high flexibility and massive learning opportunities. It provided highly challenging but equally stimulating environment for me to help shape my career direction. Thanks to the excellent faculty, my encounter with various courses invoked in me excitement and fascination for electronics field.

Dikshant Malik
(Entrepreneur)
(2010-2014)



As a student in Electronics and Communication I was heavily trained in basic domain knowledge, from theoretical courses to practical courses using various hardware and software tools. My consequent years of study were mainly focused on writing term papers where I also reaped benefits of being a part of multi-cultural student body. I continuously learned how to share ideas with people from different backgrounds and perspectives.

Tanuj Garg
(Entrepreneur)
(Batch 2008-2012)

Student Chapter News

Students and faculty enrolled as volunteer in the Vittiya Saksharta Abhiyan for teaching the concepts of digital economy in January 2017.

Student of ECE participated in National Voters day was celebrated on 25.1. 2017.

Students and faculty registered themselves for the Swachh Survekshan-2017.

Students participated in the Cycle Rally 2017, which was an initiative towards social agenda of Digital India & Beti Bachao Beti Padhao in association with Jamia Milia Islamia on February 14, 2017.

Students of ECE participated in the Feed india campaign drive and fed the people at different slum areas and shelter homes on 5.2.18 and 12.2.18.

Students of ECE participated in the Times of India campaign drive for Organ Donation Drive at Manav Rachna organized on Campus 9.5.2018.



Techkins from MRIIRS won first prize in IESA Makethon Awards 2018 held at Bangalore on 27.2.18 and 29.2.18. The team members were Devdutt, Ishlok Dhruv of 6th sem ECE and Shubhi Saxena of 2nd Sem ECE.

Ms. Jyoti Verma assistant professor ECE submitted her Ph.D on 8.3.2018.

To know your domain

<http://central-library.mriu.edu.in>

<http://www.newelectronics.co.uk>

<https://electronicsforu.com>

<https://www.sciencedaily.com>

<https://www.electronicweekly.com>

<https://www.engineering.com>

Team News Letter

Dr.Dipali Bansal, HOD (ECE)

Dr. Viimlesh Singh,
Associate Professor

Dr. Abhiruchi Passi,
Associate Professor

Ms. Priyanka Bansal,
Assistant Professor

Ritu Halder
Student Coordinator

Research Publication

1. Priyanka Bansal, Syed Akhtar Imam "Performance of speaker recognition system using shifted mfcc,delta spectral cepstral coefficient(DSCC) and Fuzzy techniques" InternationalJournalof Engineering & Technology, UAE, Vol.7.pp278-283, March 2018.
www.sciencepubco.com/index.php/IJET
2. 1. Priyanka Bansal, Syed Akhtar Imam "A probabilistic Feature Based SVM Model for Hindi/English Speech Recognition" InternationalJournalof Engineering & Technology, UAE, Vol.7.pp271-277, March 2018.
www.sciencepubco.com/index.php/IJET
3. Vimlesh Singh, Priyanka Bansal & P.K.Singhal "Microstrip line Antenna fabrication material" InternationalJournalof Engineering & Technology, UAE, Vol.7.pp340-344, March 2018.
www.sciencepubco.com/index.php/IJET
4. Umesh Dutta, M.K Soni & Manisha Pattanaik "Design and Analysis of Tunnel FET for Low Power High Performance Applications" in I.J. Modern Education and Computer Science, Hong Kong, Vol -1, pp 65-73, January 2018.
DOI: 10.5815/ijmecs.2018.01.07
5. Jyoti Madaan & Indu Kashyap "A Novel Handoff Necessity Estimation Approach Based On Travelling Distance" in International Journal Intelligent Systems and Applications , Vol-1,pp-46-57, January 2018.
<http://www.mecs-press.org/>
6. Abhiruchi Passi & Deepak Batra "Future of internet of things(IoT) in 5G Wireless network" International Journal Of Engineering & Technology(UAE), Vol 7, No 1.8 January 2018.
<https://www.sciencepubco.com/index.php/ijet>
7. S. Gayathiri, Deepak Batra & Jyoti Verma "Study & Comparison Analysis of SRAM at 65nm and 90nm Technology" in International Journal of Advanced Research in Electronics and Communication Engineering, Vol.7,Issue 2,pp.101-105, January 2018.
8. Ritu Halder, Risha Goel, Vimlesh Singh , Priyanka Bansal & Lalit Gupta Presented paper "Microwave Effect on Human : A brief Review" in 2nd International Conference on Recent Trends of Computing in Mathematics, Statistics and Information Technologies at Bundelkhand University Jhansi from 9.3.2018-11.2.2018.
9. Vishesh Tyagi,Himanshu Kukreja, Kush Kumar, ShavetaThakral presented paper "An Overview of Qualitative Comparative Analysis of Multipliers" in International Conference on "Computing for Sustainable Global Development-2018 at Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi on 18.3.2018.
10. Kush Kumar , Vishesh Tyagi , Himanshu Kukreja , Shaveta Thakral , Mohit Verma Presented paper "A State-of-The-Art Study on Multipliers: Advancement & Comparison" in IIOAB Engineering Technology, Vol 9, PP. 66-77 in May 2018.
11. Vaishali Mittal , Snigdha Pokhriyal , Harshita Srivastava, Shruti Vashist , Mohit Verma Presented paper "Location Based Protocols in WSN: A Review" in IIOAB Engineering Technology, Vol 9, PP. 54-66 in May 2018.
12. Pratima Manhas & Shaveta Thakral "Comparative analysis of different wavelet filters and image enhancement using Histogram equalization" in International Conference on Materials,applied physics & Engineering, in Indore ,Madhya Pradesh, June 2018.