

TECH COGNIZANCE

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Department of Electronics and
Communication Engineering

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DREAM INSTITUTE OF TECHNOLOGY

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TECH COGNIZANCE



This Issue

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— HODs Message —



It is a pleasure for me to write few words for our newsletter “Tech-Cognizance”. As the new semester has been commenced, we are thrilled to share some exciting updates and announcements from our Electronics and Communications Engineering Department through this newsletter.

We are proud to announce here significant breakthroughs in several challenging areas of research by our faculty members. To foster knowledge exchange and professional growth, a number of seminars (under the flagship of “Dream Popular Lecture Series”) and Faculty Development Programs have been organized throughout the semester which are

highlighted here in this newsletter. It is also a platform for our student to showcase their achievements. Most importantly in this edition we are delighted to announce a pioneering development within our department - the formation of an official IEEE Student Branch.

Our department has more than fifteen years of experience for creating trained manpower to serve our society. Many of our former students have been placed in reputed industry and academic institutions and they have been carrying out their duties with utmost responsibilities. In each edition of our newsletter, we spotlight on successful alumni who are making significant contributions in their careers.

So stay tuned and feel free to reach out to us with any suggestions or feedback you may have. Together, we can create an inspiring and collaborative learning environment.

Wishing everyone a fantastic start to the semester!

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ACHIEVEMENTS OF THE DEPARTMENT

PUBLICATIONS DONE BY OUR RESPECTED FACULTY MEMBERS

Sl. No.	Title	Author Name	Publication Details
1.	Higher Efficiency and Stability in Planar Homo Junction Hybrid Antimony (MA3Sb2I9) Based Perovskite Solar Cells	Prithick Saha, Sangeeta Singh, Sanjib Bhattacharya	IEEE Journal of Quantum Electronics, 2023, DOI: 10.1109/JQE.2023.3283521
2.	Efficient and Lead-Free Perovskite Solar Cells Based on Defect-Ordered Methyl Ammonium Antimony Iodide	Prithick Saha, Sangeeta Singh, Sanjib Bhattacharya	IEEE Transactions on Electron Devices, 2023, DOI:10.1109/TED.2023.3235870
3.	Application of a Trellis Coded Modulation to Ameliorate the 5G Communication for Tropical Regions	Trilochan Patra, Swarup Kumar Mitra	Indian journal of Science and Technology, Volume 16, Issue 1, 2023 pp. 37-46, https://doi.org/10.17485/IJST/v16i1.2079
4.	IoT based human body parameters and surrounding toxic gas monitoring system	Sharmistha Roy	International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume:05/Issue:03/March2023, (open access journal), DOI: https://www.doi.org/10.56726/IRJMETS35155

PATENT PUBLICATIONS DONE BY OUR RESPECTED FACULTY MEMBERS

Sl.No.	Title	Author Name	Publication Details
1.	FPGA based sigma delta modulator design for bio-medical Application using VERILOG HDL.	Dr. Dipankar Sarkar, Abhishek Saha	Application No. 202331018631 A Publication Date: 31/03/2023
2.	A novel Artificial Intelligence based Earthquake Simulator for Investigation and Disaster Response Prediction.	Abhishek Saha, et. al.,	Application No. 202311014383 A Publication Date: 17/03/2023

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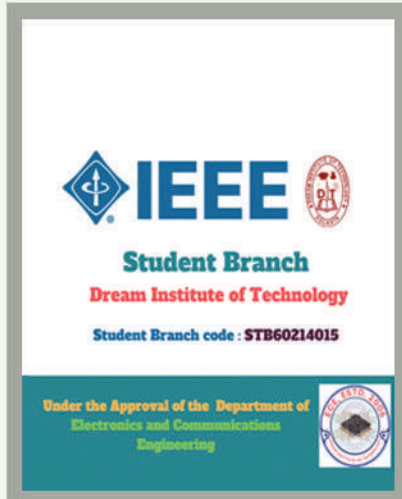
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ACHIEVEMENTS OF THE DEPARTMENT



We are proudly conveying that the Electronics & Communication Engineering Department of Dream Institute of Technology is now have a IEEE Student Branch where our students are able to contribute and share their knowledge and excellence with the international engineering community.



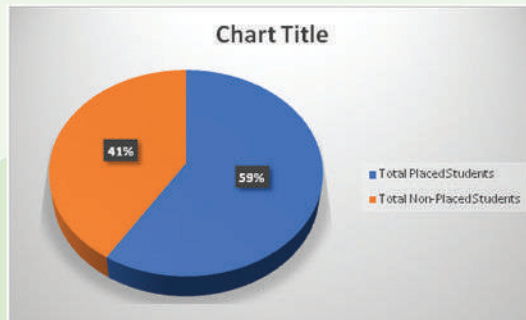
Our department was nominated as the Nodal center for NITTTR, Chandigarh for organizing the STC on “MATLAB Techniques for solving Engineering Problems” which is another great achievement of ECE department.



Our department has arranged a one-day seminar on “OUTCOME BASED EDUCATION” by Prof. (Dr.) Arijit Saha, ECE, B.P. Poddar Institute of Management & Technology.

OUR ALUMNI ACHIEVEMENTS

This year, our students have showed a good performance in terms of placements. Where 59% of our students are hired by some very well-known, large-scale industries, some students are going for entrepreneurship and others for higher studies.



Subhrakanti Bose
COMPANY – Mantra Labs
PACKAGE OFFERED – 5L / A



Aaisha Podder
COMPANY – Reliance SMSL Ltd.
PACKAGE OFFERED – 4.5L / A



Shirshendu Panja
COMPANY - Alstom Manufacturing Pvt. Ltd.
PACKAGE OFFERED – 2.2L / A



Sayantan Debnath
COMPANY – Hindustan National glass & Industries Ltd.
PACKAGE OFFERED – 2L / A



Shantanu Sahoo
COMPANY – JSW Steel Ltd.
PACKAGE OFFERED – 2.8L / A



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