

Department of Electronics and Communication Engineering

ELECTRO PLUS

2022-23 | VOLUME 1 | MAGAZINE



ABOUT ECE

The Department of Electronics and Communication Engineering, under School of Engineering and Technology of I.T.S Engineering College was established in the year 2006 with an aim to produce globally competitive and socially sensitized engineering graduates along with a passion to bring out quality research in the frontier areas of Electronics and Communication Engineering. The Department offers four years Bachelor of Technology (B.Tech.) programme (comprising eight semesters

in Electronics & Communication Engineering, affiliated to Dr. A. P. J. Abdul Kalam Technical University, Lucknow (formerly UPTU) and has been accredited by NBA (National Board of Accreditation), New Delhi. The NI Innovation Centre focuses on the Virtual Instrumentation & Automation and is in collaboration with renowned MNC, National Instruments. The student activity club "Envision" and

students technical society "(IEEE student Branch)" of the departments also includes ethical and professional skill development programs which includes workshop, webinar, technical quiz, technical rangoli, poster presentation etc. that helps students to grow their overall personality along with technical skills.



Dr Monica Jain (H.O.D. ECE)
FROM THE DESK OF H.O.D.
(ECE DEPARTMENT)

Dear Readers,

Last three decades have been very significant as far as the impact of Technology on Society is concerned. Ability to send information of any type, anywhere, and anytime has altered the way societies live and transact their businesses, be it education, production of goods, selling of goods, entertainment, managing house hold, education, information transaction between individuals, individual to masses, health care, governance etc. Every aspect of social order is getting affected, this is only the beginning of changes in a Technology driven Society. Some of the scientists and thinkers have tried to predict what science and technology holds for us, say by 2030. Michio Kaku (Great Physicist of our time) expresses in his book 'Physics of the Future' and video lecture 'The world in 2030' (You Tube), a glimpse of technology driven society and our role in it. This is just decade plus away.

PEO, PSO And PO

Program Specific Outcomes (PSO)

PSO1: An Ability to apply the knowledge of Analog and Digital electronics to solve, analyze and design electronic circuits and systems.

PSO2: An Ability to synthesize, evaluate and analyze communication systems and networks for multidisciplinary tasks.

Program Educational Objectives (PEO)

- PEO1: Graduates of the program will have multifaceted competency for greater employability and accomplished professional career.
- PEO2: Graduates of the program will emerge as leaders and entrepreneurs and will be able to pursue higher education.
- PEO3: Graduates of the program will have thorough knowledge and skill set to deal with real-time complex problems.
- PEO4: Graduates of the program will be able to adjust to a fast changing world with socially responsible and ethical mindset.

Program Outcomes

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Vision And Mission

Vision of Institute

“To be a leading educational institution that provides a transformative education to create technically competent and socially responsible professionals and innovators”.

Mission of Institute

- To accomplish excellence in the field of Technical Education through rigorous coursework and by providing an understanding of the needs of society and industry.
- To impart advanced and contemporary technical skills to turn students into potential professionals.
- To develop potential Engineers and Managers by enhancing their technical skills and research capabilities to become successful innovators and entrepreneurs.
- To inculcate professionalism, leadership and business acumen amongst students in a dynamic business environment.
- To induce high ethical standards and moral values to our make students socially responsible professionals.
- To promote our students to learn technological advancements and encourage them to keep updating their knowledge and skills by inculcating their habit of continuous learning.

Vision of Department

“To become a department of academic excellence that would produce technically competent and socially responsible professionals in the field of Electronics, Communication and related domains”.

Mission of Department

- M1: To achieve an educational excellence through effective teaching-learning processes.
- M2: To create a conducive atmosphere for self learning to face contemporary challenges.
- M3: To foster an environment for nurturing the spirit of creativity, innovation and entrepreneurship with industry participation.
- M4: To imbibe professional ethics, social responsibilities and moral values in students and faculty members.

PEO, PSO And PO

Program Outcomes

5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

WORKSHOPS , INDUSTRIAL VISITS AND EVENTS



Workshop on “Scope and applications of LabVIEW and e-Yantra in LIVE Industrial Projects”



An Industrial Visit for students of B.Tech. 2nd Year & 3rd Year ECE at neuroscience laboratory I.I.T. Delhi.



Teachers’ day Celebration on 5th September, 2022



Industrial visit at EV India 2022 Expo (Electric Motor Vehicle Show).India Expo Centre, Greater Noida UP

WORKSHOPS , INDUSTRIAL VISITS AND EVENTS



2 Days Hands on Workshop on “Internet of Things”



Expert Talk on “Interview Preparation of SDE Jobs” by Mr. Sandeep Jain (Founder and CEO GeeksforGeeks)



International Webinar on Reverse Engineering of Human Brain



1Day Workshop on “Industrial Python Programming and its Applications in Machine Learning”

WORKSHOPS , INDUSTRIAL VISITS AND EVENTS



ORGANIZED BY: Department of Electronics & Communication Engg

ONLINE WORKSHOP

**PYTHON PROGRAMMING:
LIVE PROJECTS**

SPEAKER
MR. KUSHAL PATHAK
Software Engineer, Verve Gen Tech Pvt. Ltd.

MODERATOR
DR. MONIKA JAIN
IEEE STU Branch Counsellor,
Prof & HOD- ECE, ITS Engineering College

FACILITATOR
MS. PRAGATI TRIPATHI
IEEE Member
Assistant Professor-ECE
ITS Engineering College

SUNDAY
6 NOVEMBER 2022

TIME
11: 00 AM

1DayWorkshop on “Python Programming: LIVE Projects”



An Auto Expo Visit for students of B. Tech. 2nd ECE at India Expo Centre – Greater Noida (Auto Expo-23, 13-18 January 2023).



ITS ENGINEERING COLLEGE, GREATER NOIDA
(NBA & NAAC Accredited)

Workshop on
“Industrial Robotics & Control”

Mr. Ravindra Mishra
R & D Engineer
Sofcon India Pvt.Ltd.

Organised by ECE & EEE Department

Greater Noida, Uttar Pradesh, India
ENGINEERING & ACADEMIC BLOCK, ITS ENGINEERING COLLEGE,
Knowledge Park III, Ruhallapur, Uttar Pradesh 201310, India
Lat 28.468211°
Long 77.488115°
30/11/22 10:28 AM GMT +05:30

Workshop on “Industrial Robotics & Control”



Expert Talk on "NEP2020: A revolution in Indian Education System" to celebrate National Education Day.

WORKSHOPS , INDUSTRIAL VISITS AND EVENTS



Two days workshop on Firebird V Robot



An Expo Visit for students of B. Tech. 3th Year & 4th Year ECE at India Expo Centre, Greater Noida- ELECRAMA-2023(18-22 Feb'2023).



E-YANTRA SYMPOSIUM 2023 AT IIT BOMBAY

The poster features logos for I.T.S. ENGINEERING COLLEGE, INSTITUTION'S INNOVATION COUNCIL, IIT Bombay, eYantra, and IEEE. The text reads: Department of Electronics & Communication Engineering, I.T.S ENGINEERING COLLEGE, GREATER NOIDA (NBA & NAAC Accredited). Organizes Hands on Workshop : Python and Data Analytics. Ms. Avneet Kaur, Senior Corporate Expert, Cetpa Infotech Pvt. Ltd.

1 Day Hands on Workshop: "Python Programming & Data Analytics"

WORKSHOPS , INDUSTRIAL VISITS AND EVENTS



1 Day Workshop on “Emerging Trends in Embedded



Seminar on “Career Opportunities after B.Tech”



Seminar on “Unlocking New Possibilities using Technology” to celebrate National Technology Week



Two Days Hands on Workshop on “Industrial to Robotics” by e-Yantra IIT Bombay.

A Farewell of ECE Department “Despedida -2K23”



“Despedida-2K23”- Farewell program for batch 2019-23, engineering graduate of Electronics & Communication Engineering Department of I.T.S. Engineering College, Greater Noida. This event was organized by ECE-3rd year students to pay respect and best wishes to their seniors, under Envision Club on 18th May 2023. The faculty coordinator of this program was Ms. Manju Singh & Mr. Prabhakar Sharma and students coordinators Divya, Kavita Yadav , Aman and whole ECE 3rd year students. At the end of the program Mr. & Ms. Farewell were selected on the basis of few parameters . Mr. Farewell- Suyash Shukla and Ms. Farewell – Ms. Plakshi Tomar

Faculty Achievements

- Dr. Setu Garg , Associate Professor, Department of ECE, participated in the two-day workshop on “Introduction to Embedded Systems and Robotics” conducted on 27th & 28th January, 2023 held at Raj Kumar Goel Institute of Technology, Ghaziabad, Uttar Pradesh.
- Ms. Pragati Tripathi, Assistant Professor, Department of ECE, participated & completed successfully AICTE Training And Learning (ATAL) Academy Blended/Hybrid FDP on "Integration of WSN & IOT for agriculture" from 2nd January, 2023 to 13th January, 2023 at JSS ACADEMY OF TECHNICAL EDUCATION.
- Mr. Prabhakar Sharma, Assistant Professor , Department of ECE, presented a paper on “A Review on design techniques of Two-stage CMOS Op-Amp” in the 2nd International Conference held on 24th & 25th February 2023, at IEC Group of Institutions, Greater Noida
- Mr. Prabhakar Sharma, Assistant Professor , Department of ECE, presented a paper on “Design factors affecting performance of solar PU module” in the 2nd International Conference held on 24th & 25th February 2023, at IEC Group of Institutions, Greater Noida.
- Dr. Setu Garg , Associate Professor, Department of ECE, Published a book “Machine Learning: Enabling Health Care”
- Mr. Shahid Khan , Assistant Professor , Department of ECE, presented a paper on “A Review on design techniques of Two-stage CMOS Op-Amp” in the 2nd International Conference held on 24th & 25th February 2023, at IEC Group of Institutions, Greater Noida
- Mr. Agha Asim Hussain , Assistant Professor , Department of ECE presented, a paper on “Real-time & autonomous Object- Detection based tracking using DeepSORT & transfer learning Technique ” in the 2nd International Conference held on 24th & 25th February 2023, at IEC Group of Institutions, Greater Noida
- Ms. Pragati Tripathi, Associate Professor, Department of ECE, participated in the two-day workshop on “Introduction to Embedded Systems and Robotics” conducted on 27th & 28th January 2023 held at Raj Kumar Goel Institute of Technology, Ghaziabad, Uttar Pradesh
- Ms. Pragati Tripathi, Associate Professor, Department of ECE, served as reviewer for “The 2023 international conference on Cyber Management & Engineering” Organized virtually and in –person on 26th & 27th January 2023, at Bangkok , Thailand .
- Ms. Pragati Tripathi, Associate Professor, Department of ECE, participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on 30th January, 2023 .

Placement Summary

ITS Engineering College-Greater Noida

Students Placement Summary (ECE) 2023 Batch

SL. No.	STUDENT'S NAME	NAME OF THE EMPLOYER/ INSTITUTIONS
1	AINUL HASAN	Satyam Software Solutions Pvt. Ltd
2	AISHWARYA SENGAR	Collabera
3	ANUSHREE BHUI	HIC Global Solutions
4	BALRAJ SINGH	Ramy Infotech
5	DEEPAK SHARMA	Chetu India
6	DHRUV GUPTA	HIC global solution
7	GOVIND KUMAR JHA	Bryka electrosystems & Software Pvt. Ltd.
8	KSHAMA SHAKTI	Integer Telecom Services India Pvt. Ltd
9	KSHITIJ UPMANYU	Phando
10	MADAN MOHAN KUMAR	CANTIK TECHNOLOGIES PRIVATE LIMITED
11	MD ADIL HUSSAIN	Hexaware Technologies
12	MD ARKAM	Sazio Electronics
13	MUHAMMAD SAKIB	Xonier Technology Pvt Ltd
14	NAVEEN KUMAR GUPTA	Satyam Software Solutions Pvt. Ltd
15	PLAKSHI TOMAR	Planetspark
16	PRAGATI RAI	Integer Telecom Services India Pvt. Ltd
17	RAVI KUMAR SHAH	Accenture
18	ROSHAN KUMAR	Ebix Software India

Placement Summary

ITS Engineering College-Greater Noida

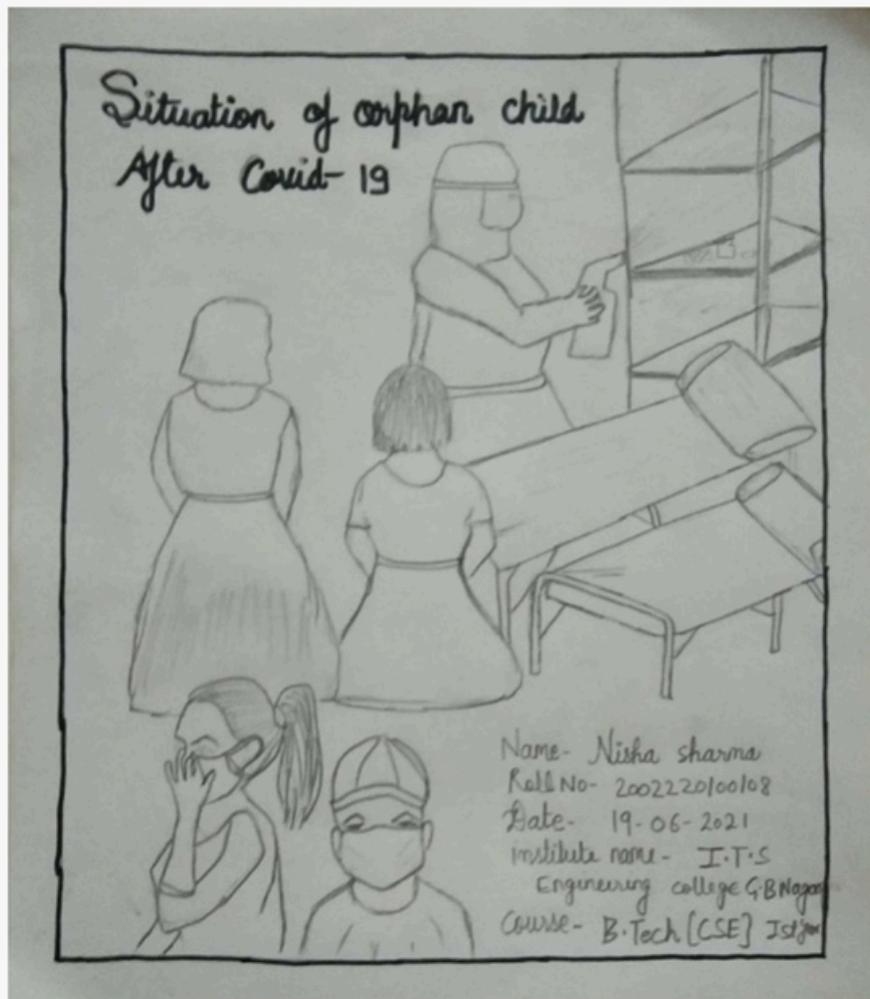
Students Placement Summary (ECE) 2023 Batch

SL. No.	STUDENT'S NAME	NAME OF THE EMPLOYER/ INSTITUTIONS
19	SACHIN	Satyam Software Solutions Pvt. Ltd
20	SACHIN KUMAR SINGH	Integer Telecom Services India Pvt. Ltd
21	SAUMYA	Ebix Software India
22	SHAGUN BENIWAL	AAA Technologies Ltd
23	SHASHI KANT	Integer Telecom Services India Pvt. Ltd
24	SHASHWAT PANDEY	Navrachana Foundation
25	SHIVAM RAJPOOT	Begapt Tech Solutions Pvt. Ltd
26	SIDDHI SINGH	Satyam Software Solutions Pvt. Ltd
27	SONAL SOURAV	Ramy Infotech
28	SUNIL KUMAR PATEL	Oppo Mobile
29	SUYASH SHUKLA	Ebix Software India
30	UTKARSH SRIVASTAVA	Integer Telecom Services India Pvt. Ltd

Students Posters



By- Pragati Rai



By- Nisha Sharma

FACULTY EDITORS



Ms. Manju Singh

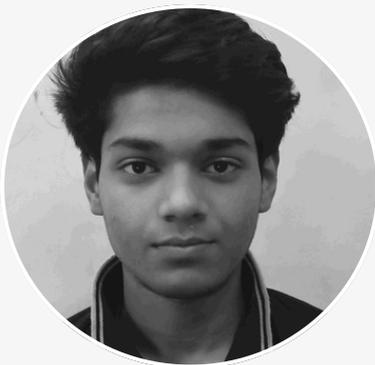
Assistant Professor
ECE Department



Mr. Prabhakar Sharma

Assistant Professor
ECE Department

STUDENT EDITORS



Mr. Aditya Yadav

1st year B.Tech
ECE Department



Ms. Archi Mishra

1st year B.Tech
ECE Department



INDUSTRIAL VISITS@ I.T.S



CELEBRITIES @ I.T.S



COURSES OFFERED BY I.T.S. - THE EDUCATION GROUP

CAMPUS - I
Mohan Nagar
(ESTD. 1995)

COURSES OFFERED
PGDM/ MBA/ MCA
/ BBA/ BCA

CAMPUS - II
Murad Nagar
(ESTD. 2000)

COURSES OFFERED
Ph.D (Pharmaceutical Science) /
MDS/BDS/BPT/MPT
D. Pharma/B.Pharma/M.Pharma

CAMPUS - III
Greater Noida
(ESTD. 2006)

**MBA, B.Tech - ME CSE,
CE, E&CE, SE-AI&ML
CSE-DS, BBA, BCA
BPT**

CAMPUS - IV
Greater Noida
(ESTD. 2006)

MDS/BDS

CAMPUS - V
CHADHA PUBLIC SCHOOL
Meerut - 250501

ITS ENGINEERING COLLEGE
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