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# CHAKSHU

A Bi-annual Newsletter

**Electronics &  
Communication  
Engineering**

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## From The Head of Department



Dear Readers,  
It gives me immense happiness to release the newsletter "CHAKSHU". It was quite inspiring to watch and witness the potential of our student's achievements at various stages. We always believe that "Hard Work has no shortcuts". Here, at ABESec, we continuously strive for excellence. We develop an ecosystem where every human being is motivated to align towards their goal. I must say that a student must be focused and alert to achieve his target. He/ She must know the "More from less" strategy to maximize available resources. All the geniuses have one thing in common they are always in "Learning Mode", the same applies to students as well. Once the students develop an attitude of this level then even failure becomes learning to them, and they fall under the category of "bound to succeed". Best wishes and blessings to ECE Team. Congratulations to the editorial team for their determined efforts in bringing out this newsletter.

**Dr. Rohit Sharma**  
HOD-ECE

## From The Editor

Hello Readers,



It is with great pride and pleasure that we present to you the next edition of the Newsletter "CHAKSHU" on behalf of the Department of ECE. The newsletter is an impressive culmination of facts, achievements, opinions, and information surrounding our ECE department. It particularly highlights the experiences of students, staff, and alumni in curricular, co-curricular and extra-curricular walks of collegiate life. The newsletter has an array of articles spanning from interviews of our best and most successful, to write-ups about the latest buzz in the tech world, We encourage our readers to scour through these pages as we truly believe there is something here for everyone! As Editors, we would be remiss if we fail to touch upon our gratitude to the faculty coordinators and the faculty in charge, whose help and care greatly contributed to the creation of this newsletter. In the same breath, we would also like to thank our team including incredible writers, designers and editors who poured in their hours to make this newsletter possible. There is a saying, "If you want to go fast, work alone. If you want to go far, work together" So if there is one message, we wish to leave to our readers is that it is to never underestimate the power of unity in the face of adversity.

**Ranjeeta Yadav**  
Assistant Professor-ECE



# WHATS INSIDE

## CONTENTS

<b>VISION-MISSION</b>	<b>1</b>
<b>PO-PSO-PEO</b>	<b>1-2</b>
<b>1. EVENTS</b>	
<b>1.1 FDPs</b>	<b>3</b>
<b>1.2 Guest Lectures</b>	<b>4</b>
<b>1.3 MOUs</b>	<b>5</b>
<b>1.4 Workshops</b>	<b>6</b>
<b>1.5 Trainings (Domain Specific)</b>	<b>6</b>
<b>1.6 Industrial Visits</b>	<b>7</b>
<b>2. RESEARCH &amp; INNOVATION</b>	
<b>2.1 Publications: Indexed Journals</b>	<b>8</b>
<b>2.2 Publications: Indexed Conferences</b>	<b>8</b>
<b>2.3 Patents</b>	<b>9</b>
<b>2.4 Funding</b>	<b>9</b>
<b>3. FACULTY ACHIEVEMENTS</b>	
<b>3.1 FDPs Attended Outside the College</b>	<b>10</b>
<b>3.2 Reviewers in Conference/Journals</b>	<b>11</b>
<b>4. STUDENT ACHIEVEMENTS</b>	
<b>4.1 Academic Achievers</b>	<b>11</b>
<b>4.2 Training Certification</b>	<b>12</b>
<b>4.3 Competitions/Events /Hackathon/Ideathon</b>	<b>13</b>
<b>4.4 Certifications (Nptel, Coursera Etc.)</b>	<b>14</b>
<b>5. PLACEMENT</b>	<b>15</b>
<b>5.1 Star Performers</b>	<b>16</b>
<b>5.2 Testimonials of Placed Students</b>	<b>17</b>
<b>6. ALUMNI CONNECT</b>	<b>19</b>



## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### VISION

To contribute to India and the world through excellence in education and research in the field of Electronics & Communication Engineering and serve as valuable resource for the industry and the society at large.

### MISSION

To create an environment, which shall encourage the development of innovative professionals and researchers in the cutting-edge technologies of Electronics & Communication Engineering, in line with industry requirements and to impart professional ethics with a positive attitude.

### Programme Educational Objectives (PEOs)

**PEO1:** To impart the students sound technical knowledge and skills in the core & related science & mathematics subjects of Electronics & Communication Engineering so that they graduate as professionally competent engineers, capable of applying & implementing the acquired skills.

**PEO2:** To inculcate in students a desire to be innovative and passionate about excelling in the field of Electronics & Communication Engineering.

**PEO3:** To develop managerial and soft skills so that they become confident and competent enough to take challenging responsibilities & leadership roles in the industry & corporate.

**PEO4:** To equip them with solid foundation in ECE engineering so that they can pursue higher studies in the subject.

**PEO5:** To groom the students to acquire professional ethics, moral values and devotion to duty so that they prove to be worthy citizens of India with an international outlook.

## Program Outcomes (POs)

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

**PO 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.

**PO 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.

**PO 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.

**PO 5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

**PO 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.

**PO 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.

**PO 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO 9. Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse exams, and in multidisciplinary settings.

**PO 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.

**PO 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.

**PO 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.

## Programme Specific Outcomes (PSOs)

**PSO 1:** An ability to design and analyze the concepts and applications in the field of communication/ networking, signal processing, embedded systems, and semiconductor technology.

**PSO 2:** An ability to comprehend the technological advancements in the usage of modern design tools to analyze and design subsystems/processes for a variety of applications.

**PSO 3:** An ability to learn the courses related to Microelectronics, Signal processing, Microcomputers, Embedded and Communication Systems to develop solutions to real world problems.

**PSO 4:** An ability to communicate in both oral and written forms, the work already done and the future plans with necessary road maps, demonstrating the practice of professional ethics and the concerns for social and environmental impact.

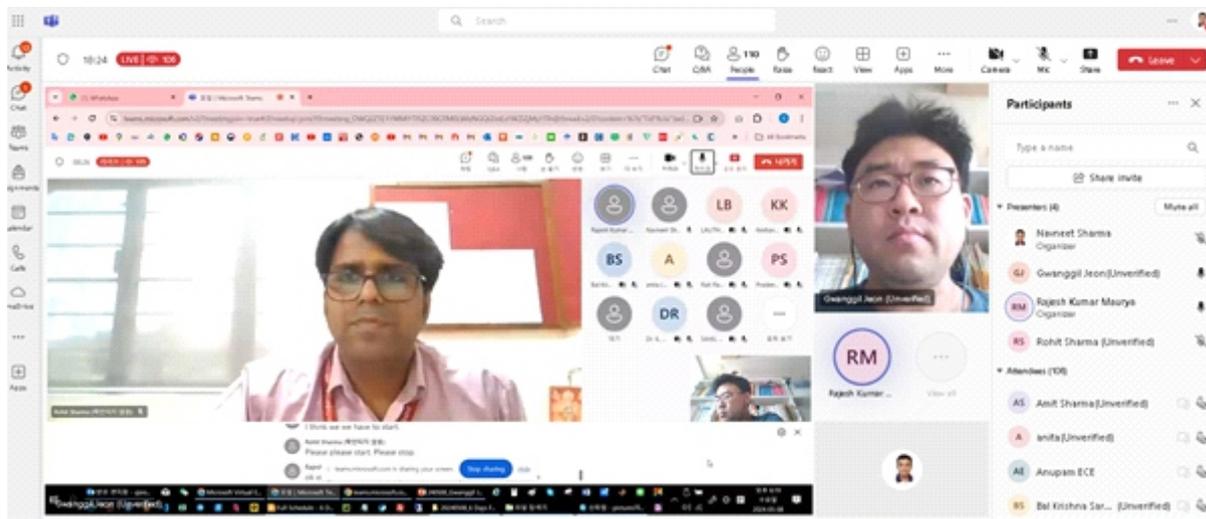


# 1. EVENTS

## 1.1 FDPs

1. The Department of Electronics & Communication Engineering organized a Faculty Development Program on “Research Papers, IPR and Project Proposal Writing” from May 6th to May 11th, 2024.

- **Highlights of the Event:**
- **Expert Guidance:** Eleven Internationally Renowned scholars and experts in the respective fields led the sessions, sharing invaluable insights and practical knowledge.
- **Case Studies and Best Practices:** Through case studies and real-world examples, attendees gained a deeper understanding of the application of theoretical concepts in practical scenarios, fostering a holistic learning experience.
- **Certificate Distribution:** As the program concluded, participants would be awarded certificates, recognizing their dedication and successful completion of the Faculty Development Program.



2. The Department of Electronics & Communication Engineering organized the Faculty Development Program on “Advancements in Antenna and Wireless Technologies” from 22nd April- 26th April 2024.

### Highlights of the Event:

- New radio technology
- Cognitive radio network
- Non-orthogonal multiple access
- MIMO antenna 3D printed antennas
- ML in wireless Communication etc.

## 1.2 Guest Lectures

**Guest Lecture - 1** The Department of Electronics & Communication Engineering organized the interactive session on the **Intricacies of Research Publications**, led by **Mr. Aninda Bose, Executive Editor at Springer Nature Group, London (U.K.)** on **12th of April, 2024 at 11.00 AM.**



**Guest Lecture - 2** The Department of Electronics & Communication Engineering organized a lecture on **“Campus to Corporate in VLSI Design”** on **4th April 2024** by **Ms. Apurva Gupta (Silicon Engineer, Microsoft & Gold Medalist, IIIT Delhi) & Mr. Rajat Kumar Singh (Founder & CEO at VLSI).**

**Guest Lecture - 3.** The Department of Electronics & Communication Engineering organized a Lecture on **“Significance of IPR and its transition”** on **7th March, 2024** by **Ms. Reema Mediratta, Head, Innovation-Technology Transfer Office, FITT, IIT Delhi.**

**Guest Lecture - 4.** The Department of Electronics & Communication Engineering organized a webinar on the topic **“A pathway for preparing budding Engineers to unlock corporate world options”** by **Speaker Mr. Saurabh Srivastava, Senior Design Engineer, "NXP Semiconductors”** on **21st March, 2024.** **Mr. Saurabh Srivastava is currently working as 'Senior Design Engineer' at NXP Semiconductors, Noida.**

**Guest Lecture - 5.** The Department of Electronics & Communication Engineering organized Webinar on the topic **“Strategic Preparation to Excel in Academics”** for all ECE Students **Speaker Devanshi Chauhan.** She had completed her B. Tech in Electronics and Communication Engineering from ABESec, Ghaziabad and secured top position in college with 10 CGPA in First year, Top positions in Second year and Third year ECE Department, **Secured Rank-06 in AKTU.**

## 1.3 MOUs

- **MOU-1** A Memorandum of Understanding (MoU) has been signed between **ABES Engineering College, Ghaziabad** and **JKSD INFOTECH Pvt. Ltd. Noida** hosted by Department of ECE on 27th May, 2024.

The MoU was delivered and signed on behalf of ABES Engineering College, Ghaziabad by **Prof. (Dr.) Priyanka Bhardwaj (HoD ECE)** and **Mr. Jitesh Mathur (Director) JKSD Infotech Pvt. Ltd. Noida** in the presence of **Ms. Ranjeeta Yadav, Ms. Pooja Pathak, Ms. Anupam Singh** from ABES Engineering College, Ghaziabad and **Mr. Devansh Raghav (CTO)** from JKSD Infotech Pvt. Ltd. Noida.



- **MOU- 2** A Memorandum of Understanding (MoU) has been signed between **ABES Engineering College, Ghaziabad** and **NEXTUP ROBOTICS Pvt. Ltd. Ghaziabad** hosted by Department of ECE on 22nd May, 2024.

The MoU was delivered and signed on behalf of ABES Engineering College, Ghaziabad by **Prof. (Dr.) Priyanka Bhardwaj (HoD ECE)** in the presence of **Dr. Manish Zadoo (Associate Professor, ECE)** and **Mr. Kirat Singh (Director & Founder) & Mr. Shubham Singh (Director & Founder) NEXTUP ROBOTICS Pvt. Ltd. Ghaziabad.**



## 1.4 Workshops



Workshop on Embedded & IoT

- 1. The Department of ECE organized a Technical workshop on 2nd Feb. 2024 as part of the '**Embedded & IoT**' domain training for the students of ECE & EN 2nd year (Only registered students under the mentioned training) to gain industrial exposure and develop the practical aspects and utilization of this training. The session was conducted by invited speaker **Er. Kaushlendra Singh Sisodia**, Founder of UniConverge Technologies Pvt. Ltd. and The IoT Academy, **Mr. Devansh Raghav**, Technical Business Manager, UniConverge Technologies Pvt. Ltd. and their team.

## 1.5 Trainings

Provide training & guidance to students on the various aspects of building a career in the domain of ECE. Assist the students in exploring new opportunities & new technologies. Guide them in developing skills & job search strategies required to achieve their career objectives. Organize various types & levels of in-house training programs & extension programs to achieve the goals. Help the students to get placed in the core companies.

Session	Name of the Training	Name of the Trainer	Area of Training	No. of Students
2023-24 (2 <sup>nd</sup> Year)	Electronics Circuit Design	1. Ms. Unnati Mehta 2. Mr. Kamal Bhatia	Microelectronics & VLSI	53
	Microcontroller & Embedded Systems	1. Ms. Ranjeeta Yadav 2. Ms. Anupam 3. Ms. Pooja Pathak 4. Ms. Rakhi Kumari	Embedded Systems	50
	Advanced Communication using MATLAB	1. Ms. Ritu Aggarwal 2. Ms. Geetanjali Raj	Communication	59
	Industrial Automation	1. Mr. Vivek Kumar Verma 2. Ms. Geetika Aswani	Automation	18
	Electric Vehicle Technology	1. Mr. Vikas Tiwari 2. Mr. Ankur Dixit 3. Mr. Saurabh Awasthi	Electric Vehicle	21

Session	Name of the Training	Name of the Trainer	Area of Training	No. of Students
2023-24 (3 <sup>rd</sup> Year)	Design and Verification using Verilog & Xilinx Tools (Level 1 & 2)	Dr. Raman Kapoor	Microelectronics & VLSI	29
	Schematic and Layout Design of VLSI Circuits	Mr. Shailendra Bisariya	Microelectronics & VLSI	31
	Embedded Systems and IOT (Level 1 & 2)	1. Ms. Ranjeeta Yadav 2. Ms. Anupam 3. Ms. Pooja Pathak	Embedded Systems	44
	Automation Advanced Course by National Instruments (Image Processing)	Mr. Manish	Automation	28
	RF & Microwave Devices	Dr. Manidipa Roy	Communication	5

## 1.6 Industrial Visits

1. The Department of Electronics and Communication Engineering had organized an Industrial visit to VVDN Technologies Private Limited, Gurugram for the students of ECE-II Year Section-B on 05th February 2024.

### The Outcomes of the Industrial Visit are as follows:

- Students got Exposure in Designing hardware platforms for different requirements from small factor designs to complex PCB designs and from power optimized designs to ruggedized designs for IoT, Networking, Industrial, and Automotive sector.
- Students are able to Understand designing, building and deploying customized FPGA based solutions.
- Students got the Basic Concept of RF circuit evaluation, embedded design, customization & placement of antennas in the devices for optimum performance.



VVDN Technologies Private Limited, Gurugram



## 2. RESEARCH & INNOVATION

The Research & Innovation activity of the ECE department integrates Publications, Patents, Incubation and Startup. The purpose behind this is to improve upon the quality and several publications. Every project group in the final year is advised to have at least two publications (Review & Implementation) out of their project in an academic session. Apart from this, every faculty member must have a maximum number of publications in reputed national/Internationals journals/Conferences.

- Any innovative and novel ideas from projects are further encouraged for a patent.
- The department provides support to students who are interested in their own startups/ business opportunities. It provides expert/ resource persons and helps in the registration of startups etc.

### 2.1 Publications: Indexed Journals

- Kumar R., Singh S., Chaudhary B., Kumar S. (2024). Black Phosphorus-Based Surface Plasmon Resonance Biosensor for DNA Hybridization. IEEE Transactions on Plasma Science ., 561358, 16047 - 16054. <https://doi.org/10.1109/JSEN.2024.3386395>.
- Singh S., Chaudhary B., Kumar R., Upadhyay A., Kumar S. (2024). A Numerical Analysis of Rectangular Open Channel Embedded TiO<sub>2</sub>-Au-MXene Employed PCF Biosensor for Brain Tumor Diagnosis. [IEEE Sensors Journal ., 24\(10\), 16047 - 16054. https://ieeexplore.ieee.org/abstract/document/10500330](https://ieeexplore.ieee.org/abstract/document/10500330)
- Bisariya S., Afzal N.(2024). BDCDTA-based Reconfigurable Frequency Selective Filter Structures for Medium Wave Communication and Biomedical Signal Processing Applications. 0975-0959. <https://nopr.niscpr.res.in/handle/123456789/63700>.
- Vasimalla Y., Singh S., Reddy G.R., Kumar R., Maloji S., Kumar S. (2024). Titanium Dioxide-Graphene-Black Phosphorus-Based SPR Sensor for Helicobacter Pylori Bacteria Detection. 558-1748 <https://ieeexplore.ieee.org/abstract/document/10552658>.
- Sharma R., Alferaidi A., Yadav K., Alharbi Y., Alreshidi E.J., Alreshidi A., Aboshosha B.W., Alkhayyat A., Aray D.G.(2024). A Novel Hybrid, BERT and Deep Learning Model Network Intrusion Detection System for Healthcare Electronics 1558-4127. <https://ieeexplore.ieee.org/abstract/document/10553415/authors#authors>

### 2.2 Publications: Indexed Conferences

- Suri A, Goswami P., Pandey P., Singh D., Proceedings - 2024 5th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks, ICICV 2024. Implementation and Framework for Virtual Reality Integration in Real Estate Industry Application. <https://ieeexplore.ieee.org/abstract/document/10511244>
- Zadoo M, Kumar V, Upmanu V, Chauhan R.P.S, Sharma N , Kumar BV 3rd International Conference on Sentiment Analysis and Deep Learning (ICSADL). Environmental Monitoring and Control for Ensuring Optimal Temperature and Humidity Conditions for Patient Comfort and Medical Equipment Integrity. <https://ieeexplore.ieee.org/abstract/document/10601479>
- Sharma D.K., Garg D., Lecture Notes in Networks and Systems.Schmitt Trigger Leakage Reduction Using MTCMOS Technique at 45-Nm Technology. [https://link.springer.com/chapter/10.1007/978-981-99-9562-2\\_62](https://link.springer.com/chapter/10.1007/978-981-99-9562-2_62)

## 2.3 Patents

S.No.	Title of Invention	Applicant / Inventors from ABESEC	Status	Application No.
1	TRANSFORMING LEARNING WITH SYSTEMATIC EYE-TRACKING TECHNIQUES	Kavita Chaudhary Pooja Pathak Manidipa Roy Priyanka Bhardwaj Sanjay Kumar Singh	Published	202311081657
2	INNOVATIVE ASSISTANCE SYSTEM FOR ENHANCING EDUCATION AMONG PHYSICALLY CHALLENGED INDIVIDUALS	Anupam Singh Shivam Singh Geetanjali Raj Manidipa Roy Jugul Kishor Manish Zadoo Priyanka Bhardwaj Sanjay Kumar Singh	Published	202311081831
3	AN INTELLIGENT SYSTEM FOR RESIDENTIAL PROTECTION FROM WILD ANIMALS	Geetanjali Raj Anupam Singh Ranjeeta Yadav Ritu Agarwal Ajay Suri Manish Zadoo	FER Submitted	202211075301
4	A REAL-TIME BASED REMOTE SENSING SYSTEM FOR LANDSLIDE PREDICTION AND MONITORING WITH GEOSPATIAL ANALYSIS	Pooja Pathak Rajeev Pandey Anupam Singh Hitesh Tomar Ritu Agarwal Ajay Suri Manish Zadoo	Published	202311081936
5	WATERPROOF IOT BASED SYSTEM FOR REMOTE WATER QUALITY AND LEVEL MONITORING	Kavita Manidipa Roy Jugul Kishor Manish Zadoo Priyanka Bhardwaj Sanjay Kumar Singh	Published	202311081937

## 2.4 Funding

The purpose of the funding cell is to fetch projects from Industries, MSME, DST, AKTU and Government-funded projects. With the help of funding, different curriculum labs are modernized like **Communication Lab, VLSI Lab** etc. and new advanced labs are developed like WSN, Wireless sensor network, RF and Microwave etc.

**Dr Rohit Sharma received a grant of 2000 Euro from the European Council.**



## 3. FACULTY ACHIEVEMENTS

The Department of Electronics and Communication Engineering proudly informs that our Faculty Members **Ms. Ranjeeta Yadav (Assistant Professor)**, **Ms. Pooja Pathak (Assistant Professor)** and **Ms. Anupam Singh (Assistant Professor)** have successfully completed 30 Hours "Embedded and Internet of Things (IoT) Certification Programme" from JKSD Infotech Pvt. Ltd. Noida.



### 3.1 FDPs Attended Outside The College

- **Dr. Mandipa Roy** attended a One-week FDP on “**Advancements in Emerging Technologies in Electronics & Communication**” organized by Department of Electronics & Communication Engineering, **G.B. Pant Institute of Engineering & Technology, Pauri-Garhwal, Uttarakhand** from 29th May 2024 – 3rd June 2024
- **Dr. Ritu Aggarwal** attended One-week FDP on "**Holistic Professional Development for Academicians and Researchers**" from 25th June to 29th June 24 organized by **MIMT, Greater Noida**
- **Dr. Ritu Aggarwal** attended One week of FDP on “**Recent Advances in Electrical, Electronics and Communication Engineering**” from 6th-10th May 24 in online mode organized by **Galgotias University**.
- **Ms. Pooja Patak** attended a One-week FDP on "**Holistic Professional Development for Academicians and Researchers**" from 25th June to 29th June 24 organized by **MIMT, Greater Noida**.
- **Ms. Pooja Patak** attended a One-week FDP on “**Advancements in Emerging Technologies in Electronics & Communication**” organized by the Department of Electronics & Communication Engineering, **G.B. Pant Institute of Engineering & Technology, Pauri-Garhwal, Uttarakhand** from 29th May 2024 to 3rd June 2024.
- **Dr. Navneet Sharma** attended the **UHV-II Workshop** from 3rd June to 8th June 2024 in Online Mode.
- **Mr. Mudit Saxena** attended the “**Symposium on Antenna & Microwave (SAM) 2024: 5G Antennas from fundamental to Implementation**” conducted by the Department of Electrical Engineering, **IIT Kanpur** from April 19th to April 21st 2024.
- **Mr. Kamal Bhatia** attended the FDP on “**Recent Advances in Electrical, Electronics & Communication Engineering (REECE 2024)**” held from 6th May to 10th May 2024 at **Galgotias University**

- **Ms. Anupam Singh** attended FDP on “Recent Advances in Electrical, Electronics & Communication Engineering (REECE 2024)” held from 6th May to 10th May 2024 at **Galgotias University**
- **Ms. Anupam Singh** attended One-week FDP on “Advancements in Emerging Technologies in Electronics & Communication” organized by Department of Electronics & Communication Engineering, **G.B. Pant Institute of Engineering & Technology, Pauri-Garhwal, Uttarakhand** from 29th May 2024 – 3rd June 2024.
- **Ms. Shilpa Srivastava** has participated in the **CeNSE Summer School on Semiconductor and Microfabrication 2024**, conducted online by the **Centre for Nano Science and Engineering, IISc Bangalore** from 3rd to 14th June 2024.
- **Ms. Shilpa Srivastava** attended FDP on “Recent Advances in Electrical, Electronics & Communication Engineering (REECE 2024)” held from 6th May to 10th May 2024 at **Galgotias University**

### 3.2 Reviewer of Conference/Journals

- **Dr. Raman Kapoor** has received a certificate of appreciation for his valuable contribution as Reviewer in **5th IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT-2024)** organized by **Galgotias University, Greater Noida, Uttar Pradesh** held on 9th and 10th February, 2024.
- **Ms. Pooja Pathak** has received a certificate of appreciation for his valuable contribution as a Reviewer in **1st International conference on Electronics, Communication and Signal Processing (ICECSP – 2024)** organized by the **National Institute of Technology, Delhi** held on 8th to 10th August, 2024.
- **Dr Shivam Singh** has received a certificate of appreciation for his valuable contribution as a Reviewer of many renowned (**SCI/SCIE/SCOPUS**) Journals namely: - IEEE Sensors Journal, IEEE Access, Plasmonics, Journal of Computational Electronics, Physics Scripta, Optical & Quantum Electronics, Scientific Reports, Engineering Research Express.



## 4. STUDENT ACHIEVEMENTS

### 4.1 Academic Achievers

- **Ms. DEVANSHI CHAUHAN** received the **Chairman Silver Medal & Rs. 21000** for securing **6th rank and CGPA of 9.19** at the University Level in the session (2022-23) in Final Year.
- **Ms. DEVANSHI CHAUHAN** received the **Director's Gold Medal** for securing **1st rank (in ECE) and CGPA of 9.19** at the College Level in the session (2022-23) in Final Year.
- **Ms. SAKSHI GUPTA** received the **Director's Silver Medal** for securing **2nd rank (in ECE) and CGPA of 9.05** at the College Level in the session (2022-23) in Final Year.
- **Ms. ANSHIKA SINGH** received the **Director's Merit Certificate** for securing **1st rank (in ECE) and CGPA of 8.58** at the College Level in the session (2022-23) in Third Year
- **Ms. MANVI PANKAJ** received the **Director's Merit Certificate** for securing **2nd rank (in ECE) and CGPA of 8.53** at the College Level in the session (2022-23) in Third Year
- **Mr. KAVYA KUMAR TAYAL** received the **Director's Merit Certificate** for securing **1st rank (in ECE) and CGPA of 8.19** at the College Level in the session (2022-23) in Second Year
- **Ms. TANU RAI** received the **Director's Merit Certificate** for securing **2nd rank (in ECE) and CGPA of 8.17** at the College Level in the session (2022-23) in Second Year

## 4.2 Training Certification

The 30 Hrs. training has been accomplished and JKSD Infotech Pvt. Ltd. has Felicitated the 43 students who completed the training. JKSD Infotech Pvt. Ltd. conducted a Hands-on Training Program as part of the 'Embedded & IoT' Domain Training for the students of ECE 3rd year to gain industrial exposure and develop the practical aspects and utilization of the training.



## 4.3 Competitions/Events /Hackathon/Ideathon

Mr. **UTKARSH KUMAR** of B.Tech Second Year (Batch 2022-2026) had participated and secured First position in the event "Squad of IoT" of Hack-A-thon 2K24 organized by Department of Computer Science, IMS Ghaziabad held on 18th April, 2024.



**1. B.Tech ECE Second-year (Batch 2022-2026)** Students had Participated, Received Certificates & Award in "**Technophilia - A Technical Project Expo 2024**" organized by the Department of Electrical, Electronics and Communication Engineering of DVSJET, Meerut held on 29th April 2024.

Detail of the Student's Group are as follows:

Group I

Student Name: Antriksh Saraswat, Aditya Dhar Dubey, Ansh Kumar and Gaurav Sharma.

Prize: Secured 3rd rank with cash prize of Amount 2100/- INR

Group II

Student Name: Bhargavi, Gaurav Sharma

Prize: Cash prize of Amount 2100/- INR





2. Ms. AARADHYA GARG, B.Tech ECE First Year student (Batch 2023-27) recently got promoted to a **BETA Microsoft Learn Student Ambassador (BETA MLSA)** at Microsoft. After becoming BETA MLSA she got swag kit from Microsoft and LinkedIn premium voucher.

3. Five students of B.Tech ECE Second-year namely **UTKARSH KUMAR, SARTHAK SHARMA, TANMAY NAYAK, TANYA NAYAK, VIDUSHI SRIVASTAVA & one student of ELCE KANISHKA** has participated in "HackWithDelhi" Event held at G.L. Bajaj Institute of Technology and Management, Gr. Noida, on 20 May 2024, organized by **Abhyudaya Club & CodeSpace** in collaboration with **HackWithIndia and Upcoming Fest** and secured **Third Position**.



4. Four students of B.Tech ECE Second Year (Batch 2022-26) namely **NITIN PANDEY, PIYUSH AGARWAL, KHUSHI TOMAR, HARSHIT TYAGI , KHUSHI SINGH** participated & earn cash prize of 3000/- INR in **Smart India Harkaton (Internal)**. This group was in the top 10 and achieved rank no. 1 in hardware problem.



5. ECE Second Year Students **Mr. HARSHIT TYAGI** and **Ms. KHUSHI RAGHUVANSHI** participated & received certificates in **SCROLLS'24 (A National Level Technical Paper Presentation Contest)** organized by **AKGEC, Ghaziabad** on 8th May, 2024.

- **TANU RAI & SHREYA** of B.Tech ECE III Year (Batch 2021-25) participated & received Certificate in **Dance Competition**.
- **UDBHAV SHARMA** B.Tech ECE III Year Student (Batch 2021-25) participated, won certificates & Rank **Top 10 , 3rd, 2nd** in **Singing Competition** at **Sharda University, Amity University, Lloyd College** respectively.
- **SHIVAM SINGH**, student of B.Tech ECE IV Year (Batch 2020-24) was **Runner's up in Fest Cricket** at **KIET Annual Intercollege Sports (RANN'24)**
- Second-Year Student (Batch 2022-26) **YASH CHAKERTI** has completed Internship of period 2 months from 11th December 2023 to 10th February 2024 at **"LVLALPHA private limited"** as an **"EEE System Design Associate"** and got stipend Amount of Total 6000/- INR.

#### **4.4 Certifications (NPTEL, Coursera)**

- **Ms. TANYA NAYAK** of B.Tech ECE II Year (Batch 2022-26) has successfully completed the NPTEL Course on **"Developing Soft Skills & Personality"** with **ELITE Status**.
- **Mr. TANMAY NAYAK** of B.Tech ECE II Year (Batch 2022-26) has successfully completed the NPTEL Course on **"Developing Soft Skills & Personality"** with **ELITE Status**.
- **Mr. HARSHIT TYAGI** of B.Tech ECE II Year (Batch 2022-26) has successfully completed the NPTEL Course on **"Developing Soft Skills & Personality"** with **ELITE Status**.
- **Ms. KANIKA AGGARWAL** of B.Tech ECE II Year (Batch 2022-26) has successfully completed the NPTEL Course on **"Developing Soft Skills & Personality"** with **ELITE Status**.
- **Mr. UTKARSH KUMAR** of B.Tech ECE II Year (Batch 2022-26) has successfully completed the NPTEL Course on **"Cloud Computing"**.
- **Ms. SHRUTI MOHANTY** of B.Tech ECE II Year (Batch 2022-26) has successfully completed the NPTEL Course on **"Introduction to Internet of Things"**.
- **Mr. ADITYA PANDEY** of B.Tech ECE II Year (Batch 2022-26) has successfully completed the NPTEL Course on **"C Programming & Assembly Language"**.



# 5. PLACEMENT

B.Tech.(ECE), 2020-2024



## 5.1 Star Performers

Name of the Student	Package	Company
SNEHIL SACHDEVA	₹ 10,20,000	ZenTrades India Pvt. Ltd
KOPAL SRIVASTAVA	₹ 10,00,000	Hiremi
PARIDHI PANDEY	₹ 8,10,000	Centilytics
MOHD ARSH ALI	₹ 7,85,000	Datatrained Education Pvt. Ltd.
SHREYA TYAGI	₹ 7,20,000	MATQCODE Internet Labs Pvt. Ltd.
RITIKA SAINI	₹ 7,00,000	Weskill Edutech Private Limited
APARNA MITTAL	₹ 7,00,000	Weskill Edutech Private Limited
ARPIT SRIVASTAVA	₹ 7,00,000	Weskill Edutech Private Limited
PIYUSH GOSWAMI	₹ 7,00,000	Weskill Edutech Private Limited
PIYUSH PANDEY	₹ 7,00,000	Weskill Edutech Private Limited
SHIVESH MEHTA	₹ 7,00,000	Weskill Edutech Private Limited
TANMAY SRIVASTAVA	₹ 7,00,000	Weskill Edutech Private Limited
UTKARSH DHAR DUBEY	₹ 7,00,000	Weskill Edutech Private Limited
VAISHALI AGRAWAL	₹ 7,00,000	Weskill Edutech Private Limited
YASH SARIN	₹ 6,50,000	PlanetSpark
AKASH VERMA	₹ 6,42,000	Hike Education
AMIT BHATT	₹ 6,00,000	Hexaware Technologies Ltd.
TAPESH PRATAP SINGH	₹ 6,00,000	SKLR EDTEC PVT. LTD.
AYUSH	₹ 6,00,000	SKLR EDTEC PVT. LTD.
RAJ KESARWANI	₹ 5,50,000	SMS group
GEETIKA PARASHAR	₹ 5,24,688	Lutron GL Sales & Services Pvt. Ltd.-1
SHIKHAR SRIVASTAVA	₹ 5,24,688	Lutron GL Sales & Services Pvt. Ltd.-2
RITIKA JAIN	₹ 5,24,688	Lutron GL Sales & Services Pvt. Ltd.-2
SHUBHANSH MAHAWAR	₹ 5,00,000	Prisha Insurance Brokers Pvt. Ltd.

Three students of B.Tech Final Year (Batch 2020-2024) have received a paid internship from Sofcon India Pvt. Ltd.



AKRITI



PRAJJWAL JAISWAL



SANDEEP SHARMA

- **Ms. KOPAL SRIVASTAVA**, B.Tech Final Year student (Batch 2020-24) has been selected On Campus as “Business Development Executive” at “HireMi” with an annual CTC of Rs. 10,00,000/-.
- **Mr. SNEHIL SACHDEVA** (Roll No. 2000320310171) **B.Tech Final Year student** (Batch 2020-24) has been selected as a "Business Associate Intern" at 'ZenTrades'.
- **7 students of B.Tech Final Year (Batch 2020-2024)** have received a paid internship from **Sensation Systems Pvt. Ltd.**

## 5.2 Testimonials of Placed Student

### Ritika Jain

As an Electronics and Communication Engineering student at ABES Engineering College, my journey has been both challenging and immensely rewarding. The curriculum is perfectly designed to cover a wide range of topics, from circuit design and signal processing to communication systems and embedded systems. The department's labs are well-equipped, allowing me to work on exciting projects that deepened my understanding of engineering. Additionally, the faculty at ABES EC have been incredibly supportive and inspiring.

Thanks to the combined efforts of the ECE department and the placement cell, I feel confident and ready to begin my professional journey with \*LUTRON.



**Lutron Electronics**  
Technical Support Representative



**ACCENTURE**  
Associate Software Engineer

### Kirti Bindal

I am truly grateful to have completed my graduation from ABES Engineering College, where the journey has been both enriching and transformative. The professors here are not only knowledgeable but also deeply committed to nurturing each student's potential, providing a robust academic foundation. The college environment is conducive to learning, encouraging innovation, collaboration, and personal growth. I would like to especially highlight the SEEP Training and Learnys teams, whose focused efforts were instrumental in guiding us towards successful placements. Their comprehensive training programs, combined with personalized support, ensured that we were well-prepared to meet industry expectations. The dedication and support of the entire faculty and training teams have played a crucial role in shaping my career. I also want to express my appreciation for the Electronics and Communication Engineering Department, whose rigorous curriculum and practical learning opportunities were vital to my success. I am proud to be an alumnus of such a prestigious institution.

### Rachit Aggarwal

ABES Engineering College has provided me with best-in-class education and placement programs to prepare me for the industry. The ECE department has been the backbone in my preparations. The teaching faculty has not only helped me with academics but also have guided me throughout my graduation journey to choose the right path. The CCPD cell has also been of great help in notifying the students about the latest opportunities and organizing recruitment drives hassle-free.



**Tata Consultancy Services**  
System Engineer

### Kopal Srivastava

I am thrilled to share that I have been placed at Hiremi as a Business Development Associate (BDA) with a package of 10 LPA. This achievement marks a significant milestone in my career, and I owe it to the unwavering support and guidance I received during my time at ABES.

I would like to express my sincere gratitude to the entire ECE department, particularly our Head of Department, whose encouragement and leadership have been pivotal in my academic and professional growth. The faculty members have been exceptional, providing us with not just technical knowledge but also mentoring us to tackle real-world challenges.

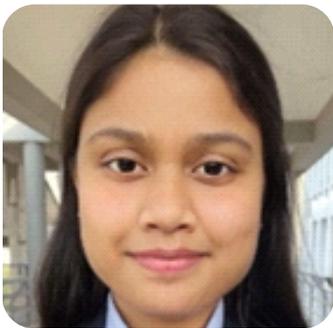
I am also immensely thankful to the CCPD department for their relentless efforts in preparing us for the placement process. The comprehensive training programs, mock interviews, and continuous feedback sessions were crucial in helping me secure this role. The emphasis on developing both technical and soft skills was invaluable in boosting my confidence and readiness for the corporate world.

ABES Engineering College has provided me with a nurturing environment that fostered my growth both personally and professionally. As I step into this new chapter with Hiremi, I carry with me the knowledge, skills, and values that ABES has instilled in me.

Thank you to everyone in the ECE department, the HOD, all the faculty members, and the CCPD department for being an integral part of my journey. I am excited to apply everything I've learned and contribute meaningfully to my new role!



**Hiremi**  
BDA



**Accenture**  
Associate Software Developer

### Vidhushi

ABES Engineering College has been instrumental in developing my skills and helping me become the best version of myself, making me industry-ready. It allowed me to discover my true potential and my field of interest. As an ECE student, balancing core subjects with coding for placements was challenging, but the supportive faculty made it manageable. The CCPD cell has been an invaluable resource, providing constant support with placement details, mentorship, and encouragement, boosting the morale of every student.



## 6. ALUMNI CONNECT

### Alumni's Achievements

- **Mr. PRATIK ANAND** Alumni of B.Tech ECE had taken admission in **Master of Science in ECE by Research at the International Institute of Information Technology, Hyderabad.**
- **Mr. SAURABH KUMAR JOSHI** Alumni of B.Tech ECE, ABESec Ghaziabad had taken admission in **M.Tech VLSI Design at National Institute Of Technology, Surathkal, Karnataka.**
- **Ms. SHIVANGI**, an Alumni of B.Tech ECE (Batch 2019-23), **Revolutionizes Tech Industry with Startup Jotasi Technovations Private Limited.**



#### Tanishk Mishra

I've received offers from Wiley Edge for a Site Reliability Engineer position at 9.5 LPA, IBM for an Associate Professional role at 4.75 LPA, and TCS for an Associate System Engineer role at 3.96 LPA. Currently, I'm working with IBM as an Application Developer.

ABES Engineering College has provided exceptional education and placement programs that have thoroughly prepared me for the industry. The ECE department has been instrumental in my preparation. The faculty not only supported me academically but also guided me throughout my graduation to make the right career choices. Additionally, the CCPD cell has been invaluable in keeping us informed about the latest opportunities and organizing recruitment drives seamlessly.

#### Tushar Tegwani

I completed my graduation in B.Tech from the ECE department in the year 2023. During my final year, I was fortunate to receive multiple job offers from reputable companies such as HCL, IBM, and KeyIdeas. However, I chose to pursue an off-campus opportunity at Synopsys, where I have been working for the past year.

In my role at Synopsys, I have honed my skills in software development, focusing on delivering high-quality solutions to complex technical challenges. My experience has allowed me to develop a strong proficiency in various programming languages and frameworks, and I have consistently demonstrated my ability to adapt to new technologies and methodologies.

Working at Synopsys has been an enriching experience, and I am eager to continue growing in the software development field, applying my skills and knowledge to new and exciting challenges.



# GLIMPSES OF EVENTS



**Holi Celebration**



**Diwali Celebration**



**Department Get-Together**

## TOP RECRUITERS @ ECE (Batch 2020-24)



Batch 2020-24

### TEAM MEMBERS

Patron  
**Sh. Shashwat Goel**  
General Secretary

Chief Patron  
**Sh. Neeraj Goel**  
Chairman

Patron  
**Prof. (Dr.) Devendra Kr. Sharma**  
Director

Chair, Publication  
**Dr. Rohit Sharma**  
HOD-ECE

Editor & Compiler  
**Ms. Ranjeeta Yadav**  
Asst. Prof., ECE Dept.

Reviewer  
**Ms. Rakhi Kumari**  
**Ms. Geetanjali Raj**  
**Ms. Kavita Chaudhary**

Student Co-ordinators  
**Ms. Sneha Poddar**   **Mr. Utkarsh Kumar**  
**Mr. Arpit Mishra**   **Mr. Prince Rai**

## ABES Engineering College

### APPROVAL|AFFILIATION|ACCREDITATIONS



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