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CHAKSHU

A Bi - annual Newsletter

**Electronics &
Communication
Engineering**

July - Dec., 2023
Volume 4, Issue 1

From The Desk Of Editor-in-Chief

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 bring the most out of 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.

Sincerely,
Prof. (Dr.) Priyanka Bhardwaj
HOD-ECE

From The Desk Of 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. For your viewing, we have put together 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 because 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 dearly 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.

Sincerely,
Ranjeeta Yadav | Assistant Professor-ECE



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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)

PO1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2. 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.

PO3. 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.

PO4. 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.

PO5. 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.

PO6. 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.

PO7. 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.

PO8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9. Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10. 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.

PO11. 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.

PO12. 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)

PSO1: An ability to design and analyze the concepts and applications in the field of communication/ networking, signal processing, embedded systems, and semiconductor technology.

PSO2: 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.

PSO3: An ability to learn the courses related to Microelectronics; Signal processing, Microcomputers, Embedded and Communication Systems to develop solutions to real world problems.

PSO4: 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.

ABOUT THE DEPARTMENT

The Department of Electronics & Communication Engineering at ABES Engineering College Ghaziabad was established in the year 2000. The department runs a four-year full-time B.Tech program and a two-year full-time M.Tech program in Electronics & Communication Engineering with a total intake of 180 students in B.Tech and 6 students in M.Tech. The B.Tech program is accredited by the National Board of Accreditation (NBA). The department has well-qualified, experienced, and dynamic faculty members.

The Department has well-equipped labs with the necessary hardware and software to meet the curriculum and industry requirements. We have state of art Project Lab, Advanced Lab, and CoE's to harness the creative and innovative aspiring minds to put their imagination into reality.

The Department has an Employability Enhancement Cell (EEC) to develop high-quality, technically compliant students who become confident in the Electronics and Communication engineering field with a focus on research and socially responsible. The main objective is to enhance the student employability skills through in-house training, workshops, guest lectures from industry & projects based on student interest.

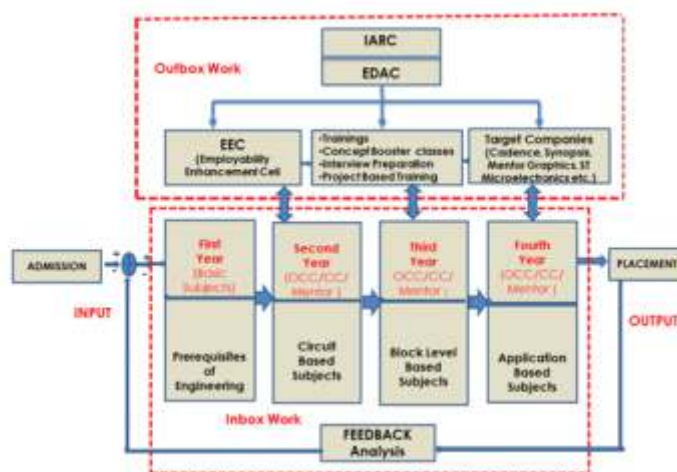
The Department also has Industry Collaboration Cell/ Industry-Academia Relationship Cell (IARC) to provide a platform for our students to develop a relevant skill set and know-how for better placement related to skill set industries.

The Department has Electronic Design and Consultancy (EDAC), the purpose is to design & develop products based on ideas received from industries and create an in-house ecosystem encouraging industrial exposure to students' product development at the college level to make them industry ready and globally competent.

Students in the Department undergo In-house industrial training to bridge the gap between Industry and Academia. Department of ECE has recently signed MoUs with Strolar Power, Systems Infra Solution Pvt. Ltd, Associated Electronics Research Foundation, The TAG Factory etc. for industry-based consultancy and projects.

ECE Department runs the research and consultancy projects funded by various government and non-government funding agencies with an aim to offer our students, the opportunity to work on real-time problems & projects.

ECE DEPARTMENT WORKING PROCESS





1.INBOX WORKING PROCESS

1.1 ACADEMICS

- **Program Leaders (PL's):** The concept of this initiative was to have double-checked on the working of class coordinators and students. The PL's keeps close coordination between all the class coordinators of a particular year and removes any gap between them. He also works as a bridge between class coordinators and students so that any grievance or problem related to administration or academics can be sorted out. He also handles discipline issues of that year for which he/she is designated. Program leaders, class coordinators and mentors take care of various aspects of co-curricular activities (Academic, Counseling and Discipline) to maintain complete decorum.
- **Mentor-Mentee Program** was introduced to counsel, motivate, and guide the mentees & encourage them to achieve their potential in terms of growth & development. To make mentees aware of the resources & opportunities available for professional development. To motivate the mentees to work in emerging areas & identify their areas of strength & concern. To encourage them to take active participation in research activities and get it published. To provide observation & feedback of mentees to the next higher level.
- **Remedial classes** for short attendance and academically needy students had started.
- **Attendance Monitoring:** The list of students having attendance < 75% will be posted every Friday on the departmental boards. Short Attendance letters are posted fortnightly.
- **Buddy Classes:** In the class, there are slow learners and fast learners, to handhold the slow learners this initiative is undertaken. The fast learners of the class handhold some of the slow learners in academics through notes, explaining the topics, solving numerical etc. This initiative will help slow learners to come at the same platforms as others.
- **Student Research papers,** it has been made suggested for project groups to publish two Research Paper in a Scopus / UGC indexed Journal and in an International Conference.
- **Placement Tracker** was introduced to monitor the record of the interview process held that the data may be analyzed further, and effective steps may be taken to enhance the skills of the students for the upcoming interviews.
- **Training Tracker:** The 3rd year students go for industrial training for 4 to 6 weeks in some industry of their choice. The student brings a certificate after completion of training. To understand what he /she has learned day-wise a tracker was introduced. This training tracker consists of day-wise monitoring of training like in which department and under whose guidance he/she is doing training etc. After completion of training, the student will bring the tracker for evaluation.
- **Project Tracker:** Project Tracker tracks the interaction details of the project supervisor & the team.
- **Electronics ICU:** Under this initiative, the department offers maintenance and repairs of various electronic equipment at the college level.
- **Department Level Placements:** Under this initiative, the department has developed linkages with several renowned industries for MoUs which will help in internships & placements.

1.2 Research & Innovation

Research & Innovation activity of ECE department integrates Publications, Patents, Incubation and Startup. The purpose behind this is to improve upon quality as well as 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 is required to have a maximum number of publications in reputed Nationals/Internationals journals/Conferences.

- Any innovative and novel ideas from projects are further encouraged for a patent.
- Department provides support to the students who are interested in their own startups/ business opportunities. It provides expert/ resource person and helps in registration of startup etc.
- Department has initiated to set up an incubation center to develop new ideas into products.

1.2.1 Publications

- Jha, P., Kumar, A., Sharma, N. (2023). A Metamaterial Inspired Split Ring Resonator Accomplished Multiband Antenna for 5G and Other Wireless Applications. *Rev. Roum. Sci. Tech. - Électrotech. Énerg.*, 68(2), 127–131. <https://doi.org/10.59277/RRST-EE.2023.68.2.2>
- Kumar, A., Saxena, D., Sharma, N., Jha, P. (2023). Compact Two-Port Antenna with High Isolation Based on the Defected Ground for THz Communication. *Results Opt.* doi: 10.1016/j.rio.2023.100522.
- Almawgan, A.H.M., Alhamss, D.N., Taya, S.A., Hindi, A.T., Upadhyay, A., Singh, S., Colak, I., Pal, A., Patel, S.K. (2023). Theoretical Analysis of a Refractive Index Sensor based on a Photonic Crystal Fiber with a Rectangular Core. *Opt. Quant. Electron.*, 55, 881. doi: 10.1007/s11082-023-05172-2.
- Srivastava, S., Singh, S.K., Tiwari, U. (2023). Optimization of Metamaterial Unit Cell using Radial Basis Function Neural Network. *Opt. Mem. Neural Networks*, 32, 204–218. doi: 10.3103/S1060992X23030098.
- Tyagi, P., Singh, S.K., Dua, P. (2023). Ultra-Low Power 8-Transistor Modified Gate Diffusion Input Carbon Nano-Tube Field Effect Transistor Full Adder. *IETE J. Res.*, 69(8), 5518–5531. doi: 10.1080/03772063.2021.1962746.
- Alhamss, D.N., Taya, S.A., Almawgani, A.H.M., Hindi, A.T., Upadhyay, A., Singh, S., Colak, I., Pal, A., Patel, S.K. (2023). Numerical Analysis of a Photonic Crystal Fiber-Based Biosensor for the Detection of *Vibrio Cholera* and *Escherichia Colibacteria* in the THz Regime. *Phys. Status Solidi A*. doi: 10.1002/pssa.202300622.
- Saxena, G., Alam, M., Roy, M., Barnawi, A.B., Khan, T.M.Y., Yadava, R.L., Chintakindi, S., Jain, R., Singh, H., Awasthi, Y.K. (2023). CSRR Loaded Multiband THz MIMO Antenna for Nano-communications and Bio-sensing Applications. *Nano Commun. Networks*. doi: 10.1016/j.nancom.2023.100481.
- Agarwal, R., Bhatia, R. (2023). Multipath Routing using Genetic Algorithm in an Elastic Optical Network. *J. Opt.* doi: 10.1007/s12596-023-01395-4.

1.2.2 Patents

S.No.	Title of Invention	Applicant / Inventors from ABESEC	Status	Date	Application No.
	DIGITAL LOCK OF ENERGY SYSTEM	Mr. Manish Mr. Rajeev Kumar Pandey Mr. Mudit Saxena	FER Submitted	2023	202111062203
2	LORA BASED WEATHER STATION SYSTEM	Prof. (Dr.) Priyanka Bhardwaj Dr. Manidipa Roy Prof. (Dr.) Sanjay Kr Singh Divya Yadav Jalaj Biswas Karan Gupta	FER Submitted	2023	202211074292
3	ADVANCED SURVEILLANCE AND PROTECTION SYSTEM FOR WOMEN(PRRS) AND DEVICE THEREOF	Dr. Manish Zadoo Prof (Dr.) Sanjay Kr Singh Dr.Ajay Suri Mr. Ayush Singh Ms. Diksha Gupta Mr. Bhavya pandey	FER Submitted	2023	202211075301
4	VOCALIZER SYSTEM FOR DUMB PEOPLE	Dr. Himani Garg, Ankit Jha, Akash Maurya, Aman Singh	FER Submitted	2023	202211076572

1.2.3 Incubation and Startups

A session on "Role and support of Incubator/Accelerator for faculties and students".22nd July 2023 || 10:00 AM
Onwards
Speaker: Mr. Mahendra Kumar Gupta, CEO, INurture Incubation Foundation



2. OUTBOX ACTIVITIES

2.1 EMPLOYABILITY ENHANCEMENT CELL (EEC)

The purpose of EEC is to minimize the gap between academia and industry. 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.

Step1:- Employability Enhancement Cell (EEC) has been formulated in the Dept. with the following objectives:

- To segregate the students, domain wise depending upon their skills and interest.
- To provide training and guidance to students on the various aspects of building successful a career by meeting the demand of the industries.
- To assist them in exploring new opportunities and new technologies.
- Guide the students in developing skills and job search strategies required to achieve their career objectives.
- To organize various types and levels of in-house training programs and extension programs to achieve the goals.

Step2:- Employability Enhancement Cell (EEC) follows the following procedure to fulfill the above objectives.

- The students get promoted to the Second Year of ECE.
- The EEC gives a presentation to introduce the objectives and procedure of EEC.
- The students fill up an EEC data form in which they write about their interests and the skill set acquired (if any).
- It is followed by counseling and interview session of students by HOD and EEC Members.
- As per their interest, the students are segregated into IT Domain & EC Domain.
- After the required training is completely up to the 3rd year, the students are allocated major projects depending upon their selected domain and it is mandatory for them to do at least one publication.

A. IT Domain:-

1. All students are allotted "IT Domain" training and they are trained in different fields (Ex- C, C++, Python etc.) during the Second year.
2. In the "IT domain", they are trained in advanced languages (Ex- JAVA, AI, ML etc.) during the third year.
3. At the end of 3rd year, the students are required to develop a project based on acquired skills.
4. The following are the target companies like TCS, Infosys, Wipro, Capgemini, Cognizant, IBM etc. for the IT domain.

B. EC Domain:-

If the student falls under "EC Domain", then they are further classified into the following subdomains:

S. No.	Training Code	Core Domain	Name of the Training	Trainer(s)	Student Count
1	TEC401	Microelectronics	VLSI Design using PSPICE	1. Mr. Kamal Bhatia 2. Ms. Urmil Mehta	55
2	TEC402	Embedded System and IoT	Microcontroller and Embedded Systems - II	1. Mr. Ranjeeta Yadav 2. Ms. Rakhi Kurnani 3. Ms. Pooja Pathak 4. Mr. Anupam Singh	50
3	TEC403	Advanced Communication	Advanced Models using MATLAB	1. Mr. Ravi Agarwal 2. Ms. Geetanjali Raj	57
4	TEC404	Industrial Automation	Pneumatics and ElectroPneumatics	1. Mr. Vivek Koria 2. Mr. Geetika Bhatia	38
5	TEC405	Electric Vehicle Technology	Electric Machines and Power Electronic Converters	1. Mr. Vikas Tiwari 2. Mr. Akash Dixit 3. Ms. Sneha Anand	23

S. No.	Training Code	Core Domain	Name of the Training	Trainer(s)	Student Count
1	TEC601	Microelectronics	Design and Verification using Verilog & Xilinx Tools - II	Dr. Raman Kapoor	29
2	TEC602	Microelectronics	Layout Design of VLSI Circuits	Mr. Shalendra Bhatia	31
3	TEC603	Embedded System and IoT	Embedded Systems and IoT - I	1. Mr. Ranjeeta Yadav 2. Ms. Anupam 3. Ms. Pooja Pathak	43
4	TEC604	Signal Processing	Automation, Advanced Course by National Instruments (Image Processing)	Mr. Manish	25
5	TEC605	Advanced Communication	RF & Microwave Devices - II	Dr. Mandipa Roy	6

2.2 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.

- Prof. (Dr) Priyanka Bhardwaj received a grant of Rs 150000 from the Science and Engineering Research Board (SERB) under the Department of Science and Technology, [Government of India for the International Conference on Sustainable Emerging Innovations in Engineering and Technology \(ICSEIET\) 2024.](#)
- Prof. (Dr) Priyanka Bhardwaj received a grant of Rs 150000 from the Ministry of Electronics and Information Technology(MeitY), [Government of India for the International Conference on Sustainable Emerging Innovations in Engineering and Technology \(ICSEIET\) 2024.](#)

2.3 WEBINARS

- Webinar-1 of Webinar-series on the topic "A pathway for preparing budding Engineers to unlock corporate world options" on 3rd September, 2023. (Resource Person : Ms. Bhumika Sharma, Advanced Application Engineering Associate, Accenture India)
- Webinar-2 of Webinar-series for Placement Drive of NEC Technologies on the topic "A pathway for preparing budding Engineers to unlock corporate world options" on 29th September, 2023.

2.4 Industrial Visits

- The "Department of Electronics and Communication Engineering" has successfully organized an Industrial visit to "Akshat Autoline Pvt. Ltd", Meerut for the students of ECE-II Year Section-C on 3rd November 2023.

The Outcomes of the Industrial Visit are as follows:

Students can Understand the operation and maintenance of complete solutions for an entire range of LED lighting products, and got Exposure to Design, Development & Testing for Exclusive LED lighting products.



Akshat Autoline Pvt. Ltd", Meerut



3. DEPARTMENT ACHIEVEMENTS

IEEE CONFERENCE

- The Department of Electronics and Communication Engineering organized a Two days 1st International conference on Sustainable Emerging Innovations in Engineering and Technology (ICSEIST-23), technically sponsored by IEEE, funded by Meity & SERB, Govt. of India on September 14th & 15th, 2023.



Inaugural Ceremony of ICSEIST-23

REQUIZA CLUB

- Requiza the Technical Society of Department of Electronics & Communication Engineering successfully organized the event “Teaserevia” on 18th November 2021. It was a teaser-making competition on the topic “Innovations in engineering domains” open for students of all branches. Participants had to upload a teaser of 1-minute duration before the closing hours of 21st November. Students within ABES-EC participated in the event with full enthusiasm. Out of 70 registered students, 20 students submitted the video.
- Inaugural Ceremony of WIE (Women in Engineering) in collaboration with ABESEC OPTICA and REQUIZA – THE TECHNICAL SOCIETY OF ECE DEPARTMENT, Expert Lecture and BRAIN-O-RACE 2.0,” on 13th December 2023. The spokesperson Ms. Neha Goel (IPR Practitioner) had delivered the expert talk on Topic: “Patent Protection of Innovation”(The Department of Electronics and Communication has successfully organized a series of events: Inaugural Ceremony of WIE(Women In Engineering) in collaboration with ABESEC OPTICA and REQUIZA – THE TECHNICAL SOCIETY OF ECE DEPARTMENT, Expert Lecture and BRAIN-O-RACE 2.0,” on 13 December 2023.)
- The Department of Electronics and Communication Engineering conducted various Core domain training throughout the session 2022-2023 and trainers have been facilitated by the Head of the Department for recognizing their Efforts in Training.
 - Professor (Dr.) Priyanka Bhardwaj Dr. Manidipa Roy
 - Dr. Jugul Kishore Mr. Shailendra Bisariya
 - Dr. Raman Kapoor Ms. Ranjeeta Yadav
 - Mr. Manish Patel Ms. Tania Gupta
- Core Domain Training Orientation Programme for the 2nd year students, on 20th September 2023.

PTM

- "Parent-Teacher Meeting" for First and Second Year –ECE in online mode, on 7 July 2023.
- "Parent-Teacher Meeting" for Third Year –ECE in online mode, on 22 Dec 2023.



Inaugural Ceremony of WIE (Women in Engineering)



Facilitation ceremony for Core Domain Trainers



4. FACULTY ACHIEVEMENTS

- Prof. (Dr) Priyanka Bhardwaj has received the Director's Nomination Award in recognition of his research during session 2022-23.



Director's Nomination Award



Distinguished Scientist Award in the field of Bio Medical Electromagnetics from ICSRR, New Delhi.

- Dr. Navneet Sharma has received the prestigious Distinguished Scientist Award in the field of BioMedical Electromagnetics from ICSRR, NewDelhi.

- Dr. Navneet Sharma has received Best paper award for presenting his paper in the International Conference on Sustainable Emerging Innovations in Engineering & Technology (ICSEIET) held at ABES Engineering College in September 2023.
- Dr. Shivam Singh has received the Research Excellence Award in recognition of his research during session 2022-23



Research Excellence Award

AS A REVIEWER :

- Dr. Jugul Kishore Gupta of ECE department has been serving as a reviewer of International Journal of Communication Systems and received certificate of reviewing 3 manuscripts in 2023.
- Dr. Jugul Kishore Gupta of ECE department has been serving as a reviewer of ETRI journal and received certificate of reviewing manuscripts in 2023.
- Dr. Jugul Kishore Gupta of ECE department has been serving as a reviewer of HINDAWAI portfolio of journal and received certificate of reviewing manuscripts in 2023.

AS A SESSION CHAIR

- Dr. Jugul Kishore Gupta of ECE department has chaired a technical session in the 3rd International Conference on Advancement in Electronics and Communication Engineering (Technically sponsored by IEEE) held on 23rd-24th November organized by Department of ECE and CSE at Raj Kumar Goel Institute of Technology, Ghaziabad, UP.

AS A RESOURCE PERSON:

- Dr. Jugul Kishore Gupta of ECE department has received a certificate of appreciation for serving as a resource person during 5 days International Online Faculty Development Programme on “Advancement in RF, Microwave, Antenna and 5G Application” organized by the Department of Electronics and Communication Engineering, Atria Institute of Technology, Bangalore, in association with MTT/AP society Bangalore Joint Chapter, Mathworks and Keysight (Knowledge Partner), and IEEE Atria Student Chapter during 27th-31st March 2023.

PhD AWARDED: -.

- Dr. Navneet Sharma: Completed his PhD Degree from Shobit University, Meerut. His research work is in the field of “BioMedical Electromagnetics”.
- Dr. Ritu Agarwal: Completed his PhD Degree from GGSIPU, Delhi. Her research work is in the field of “Elastic Optical Networks”.





5. STUDENT ACHIEVEMENTS

ACADEMIC ACHIEVERS: -

UNIVERSITY TOPPERS for SESSION 2022-23					
S.No.	STUDENT NAME	BRANCH	AKTU RANK	CGPA	AWARD
1	Ms. DEVANSHI CHAUHAN (1900320310057)	B.Tech. ECE	6th	9.19	Chairman Silver Medal & Rs 21,000



DEVANSHI CHAUHAN

B.Tech-ECE
(Batch 2019-2023)

RANK - 06

Mr. VIPUL MITTAL

ALL INDIA RANK-29

UPSC, IES - 2023

**B.TECH, ECE
ALUMNUS (BATCH 2011-15), ABESEC**



- SAKSHI GUPTA secured 2nd rank with 9.05 SGPA in B-Tech (ECE) 4th Year) in Session 2022 – 2023.
- ANSHIKA SINGH secured 1st rank with 8.58 SGPA in B-Tech (ECE) (6th Sem) in Session 2022 – 2023 (EVEN).
- MANVI PANKAJ secured 2nd rank with 8.53 SGPA in B-Tech (ECE) (6th Sem) in Session 2022 – 2023 (EVEN).
- RIDDHI GUPTA secured 3rd rank with 8.39 SGPA in B-Tech (ECE) (6th Sem) in Session 2022 – 2023 (EVEN).
- KAVYA KUMAR TAYAL & KESHAV SHARMA secured 1st rank having 8.48 SGPA in B-Tech (ECE) (4th Sem) in Session 2022 – 2023 (EVEN).
- ISHITA BHATNAGAR & TANU RAI secured 2nd rank having 8.29 SGPA in B-Tech (ECE) (4th Sem) in Session 2022 – 2023 (EVEN).
- ADITYA ASTHANA secured 3rd rank having 8.19 SGPA in B-Tech (ECE) (4th Sem) in Session 2022 – 2023 (EVEN).
- ANURAG YADAV secured 1st rank having 8.8 SGPA in B-Tech (ECE) (2nd Sem) in Session 2022 – 2023 (EVEN).
- UTKARSH PANDEY & TANMAY NAYAK secured 2nd rank having 8.7 SGPA in B-Tech (ECE) (2nd Sem) in Session 2022 – 2023 (EVEN).
- SHAURYA SINGH TOMAR secured 3rd rank having 8.6 SGPA in B-Tech (ECE) (2nd Sem) in Session 2022 – 2023 (EVEN).

CULTURAL ACHIEVERS: -

- Third Year Student UDBHAV SHARMA (Roll. No. 2100320310132) is a part Sargam Band of ABES Engg. College who has not only made to the top 10 Bands of Delhi, NCR but also has secured 4th position in the Battle-of-Bands by Amar Ujala at Sharda University, Greater Noida, held on 9th March 2024. They were awarded certificates and a cash prize of Rs. 2100.



4th position in the Battle-of-Bands by Amar Ujala at Sharda University, Greater Noida

COMPETITION WINNERS: -

- Second Year student Ayush Mishra (Roll. No: - 2200320310044) (Session 2022-26) is a Valorant tournament winner.
- Second Year Student Mrigank Vikram Pal (Roll. No: - 2200320310109) and Anshumaan Parashar (Roll. No: - 2200320310030) (Session 2022-26) jointly secured 1st Position in Duo-Singing Competition in the intra-college event, "MANTHAN" and secured 2nd Position in inter-college "Battle-of-Bands" held in IILM University, Greater Noida.
- Second Year Student Aditya Singh (Roll. No: - 2200320310014) and Anurag Chauhan (Roll. No: - 2200320310033) (Session 2022-26) won the best idea award at drone workshop in the ABES Engineering College.
- Third Year student Shivanshu Yadav (Roll. No: - 2100320310119) has participated in SMART INDIA HACKATHON 2023 (Internal) held from 25-26th September at ABES Engineering College, Ghaziabad.



2nd Position in inter-college "Battle-of-Bands" held in IILM University, Greater Noida.



COURSE COMPLETION: -

- Second Year Student Pratik Kumar Mishra (Roll. No: - 2200320310120) (Session 2022-26) completed "HTML5 - The Language" & "CSS3" course on August, 2023 conducted by Infosys.
- Second Year Student Shubhangam Tyagi Mishra (Roll. No: - 2200320310162) (Session 2022-26) has successfully cleared the assessment for the skill JAVA(BASIC) in August 23 conducted by HackerRank.
- Third Year Student Akansha Bhardwaj (Roll. No: - 2100320310009) has successfully completed Online Certification course on Front End Development on January 2024.

INTERNSHIPS: -

- Second Year Student Pallavi (Roll. No: - 2200320310117) (Session 2022-26) has got Internship in CODECLAUSE pvt. Ltd as Python Development Intern.
- Second Year Student Pallavi (Roll. No: - 2200320310117) (Session 2022-26) completed Java course from Infosys springboard.
- Second Year Student Archit Gupta (Roll. No: - 2200320310035) (Session 2022-26) is a student Ambassador in incubation centre, ABESEC, Volunteer in Alumni meet (25th dec 2023), Bennet Visit by E-cell ABESEC.
- Second Year Student Yash Chakerverti (Roll. No: - 2200320310198) (Session 2022-26) has got internship in LVLALPHA as "Embedded System Design Associate"



**Yash Chakerverti has got internship in
LVLALPHA as "Embedded System Design Associate"**

- Second Year Student Aditya Singh (Roll. No: - 2200320310014) (Session 2022-26) completed 28 days' internship at Aerosence in the drone manufacturing.
- Second Year Student Anurag Chauhan (Roll. No: - 2200320310033) (Session 2022-26) completed one-month drone internship manufacture, design, and flight in aerosence pvt ltd and one-month drone workshop at Incubation centre, ABESEC.
- Third Year Student Nikhil Mandoli (Roll. No: - 2100320310081) (Batch 2021-25) has received paid 6-month internship for the position of PCB Design Associate at LVLAlpha Pvt Ltd.

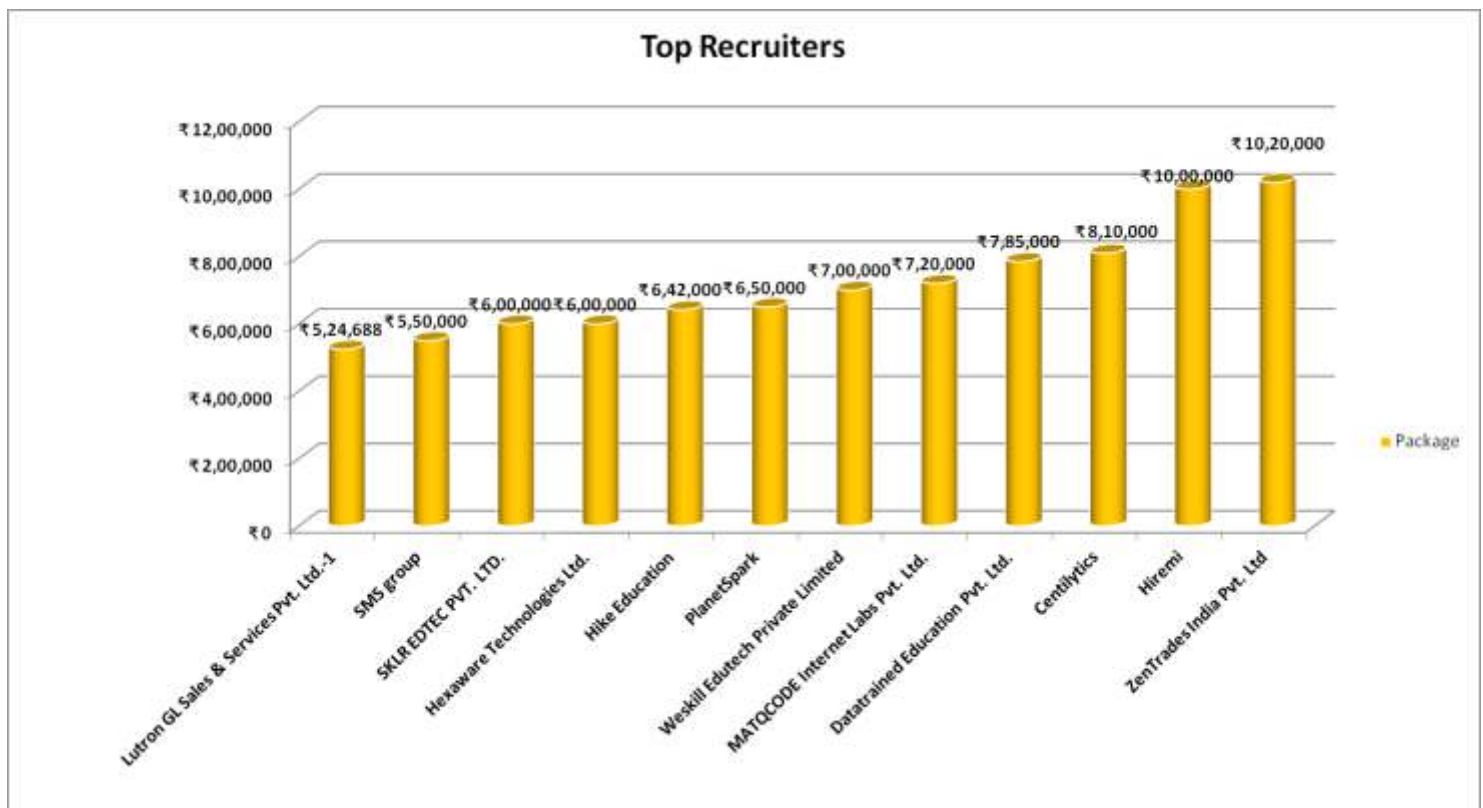


6. PLACEMENT

B.Tech.(ECE), 2020-2024

The Initiatives are taken by the Department to improve Placement Statistics are:

- Domain-based categorization of students in second year itself.
- Motivate the students about recruitment process, skill set and making them aware about the work culture, domain required for such type of companies.
- Preparing, updating, and regularly tracking of students with the help of Placement Tracker, formulated and devised in the department to keep the students on track of placement and getting reviews and feedback about each placement drive.
- Arranging Mentor-Mentee sessions for final year and third year students to improve their resumes and improve their technical, verbal and communication skills.
- Arrangement of company-specific technical and aptitude training for shortlisted students in association with SEEP and CCPD.
- Interaction of pre-final year students with already placed students for motivation and briefing.
- Apart from the placement provided by the CCPD, the Department also provide placement to unplaced Economically weaker students.



Current Placement Statistics

Star Performers of ECE Department

S. No.	Name of the Student	Package	Company
1	SNEHIL SACHDEVA	₹ 10,20,000	ZenTrades India Pvt. Ltd
2	KOPAL SRIVASTAVA	₹ 10,00,000	Hiremi
3	PARIDHI PANDEY	₹ 8,10,000	Centilytics
4	MOHD ARSH ALI	₹ 7,85,000	Datatraind Education Pvt. Ltd.
5	SHREYA TYAGI	₹ 7,20,000	MATQCODE Internet Labs Pvt. Ltd.
6	RITIKA SAINI	₹ 7,00,000	Weskill Edutech Private Limited
7	APARNA MITTAL	₹ 7,00,000	Weskill Edutech Private Limited
8	ARPIT SRIVASTAVA	₹ 7,00,000	Weskill Edutech Private Limited
9	PIYUSH GOSWAMI	₹ 7,00,000	Weskill Edutech Private Limited
10	PIYUSH PANDEY	₹ 7,00,000	Weskill Edutech Private Limited
11	SHIVESH MEHTA	₹ 7,00,000	Weskill Edutech Private Limited
12	TANMAY SRIVASTAVA	₹ 7,00,000	Weskill Edutech Private Limited
13	UTKARSH DHAR DUBEY	₹ 7,00,000	Weskill Edutech Private Limited
14	VAISHALI AGRAWAL	₹ 7,00,000	Weskill Edutech Private Limited
15	YASH SARIN	₹ 6,50,000	PlanetSpark
16	AKASH VERMA	₹ 6,42,000	Hike Education
17	AMIT BHATT	₹ 6,00,000	Hexaware Technologies Ltd.
18	TAPESH PRATAP SINGH	₹ 6,00,000	SKLR EDTEC PVT. LTD.
19	AYUSH	₹ 6,00,000	SKLR EDTEC PVT. LTD.
20	RAJ KESARWANI	₹ 5,50,000	SMS group
21	GEETIKA PARASHAR	₹ 5,24,688	Lutron GL Sales & Services Pvt. Ltd.-1
22	SHIKHAR SRIVASTAVA	₹ 5,24,688	Lutron GL Sales & Services Pvt. Ltd.-2
23	RITIKA JAIN	₹ 5,24,688	Lutron GL Sales & Services Pvt. Ltd.-2
24	SHUBHANSH MAHAWAR	₹ 5,00,000	Prisha Insurance Brokers Pvt. Ltd.



7. TESTIMONIALS OF PLACED STUDENT

Geetika Parashar

I am immensely grateful to express my heartfelt gratitude to my esteemed college, Head of Department, faculty members, mentors, and the meticulous Placement Cell-CCPD for their unwavering support and guidance, which have culminated in the fruition of a promising placement opportunity for me at Lutron GL Sales & Services. The academic rigor, coupled with the industry-oriented training and nurturing environment provided by the Electronics and Communication Department, has equipped me with a repertoire of indispensable for the professional realm.

CCPD also played a pivotal role in shaping my career trajectory. The dedicated team consistently organized various trainings, tests, mock interviews, and regular classes that were instrumental in enhancing my skills at large. I am grateful for the efforts put forth by the faculty members, placement coordinators, and the placement cell, for motivating students and bringing numerous job opportunities for students even in this tough time of recession.

Holistic education and placement assistance have been pivotal in starting my career, and I am confident that the foundation laid here will continue to guide me in my professional journey. Thank you once again for being instrumental in this achievement of mine.



Lutron GL Sales and Services Pvt. Ltd.
5.24 LPA
Graduate Engineer Trainee



Hexaware Technologies Limited
6.00 LPA
Premier Software Engineer Trainee

Amit Bhatt

My experience at ABES Engineering College is great and memorable. The mentors helped me to enhance my academic and interpersonal skills. Despite being from the Electronics and Communication branch, I got opportunities to exhibit my talent in the IT sector. I am very thankful to my Head of Department, Faculty Members, Mentors and Placement Coordinators for their support. I am also grateful to the CCPD department for providing a platform to enhance my skills and an opportunity to showcase them. It was they who guided me at every step of my placement journey by providing me with the appropriate resources, time, and preparation strategy. Further, the entire departmental placement coordinators and placement tracker faculty leave no stone unturned to shape one's future and they helped me to get placed in Hexaware Technologies limited.

Naveen Tripathi

I am thrilled and honored to be a part of ABES Engineering College, which has provided me with an abundance of opportunities to explore and expand my horizons. The support from the faculty members and career development counselors has been invaluable, consistently motivating and guiding us throughout our journey. Despite the challenges posed by the global pandemic, I am delighted to share that our college has successfully facilitated numerous placement opportunities on campus. The dedication of the Career Counseling and Placement Division (CCPD) and the Employability Enhancement Cell is evident in their personalized approach, conducting mock interviews and offering guidance tailored to individual needs. Their efforts have not gone unnoticed, instilling confidence in us as we navigate the interview process. I am grateful to have received placement offers from two reputable companies, a testament to the holistic development fostered at ABES-EC. As I bid farewell to my college days, I wholeheartedly recommend ABES-EC to aspiring students seeking to shape their future with a supportive and nurturing environment.



Vodafone Idea Ltd.
4.50 LPA | GET

8. ALUMNI CONNECT

Anmol Singh



I've been placed in Cisco Systems (India) Pvt. Ltd. at 18lpa as a Technical Consulting Engineer, in DXC Technology at 4.2lpa as an Associate Professional, in Cognizant at 4lpa and in Capgemini at 4.25lpa as a Software Engineer. Currently, I'm working with Cisco as a Technical Consulting Engineer.

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 have 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.

Vritti Mehrotra

I am thrilled to share my gratitude for the incredible opportunity college has provided me by connecting me with an organization as prestigious as Cisco. Being placed at Cisco has been a dream come true, and I owe it all to the excellent education and support I received at the institution. The knowledge and skills imparted during my time here have undoubtedly prepared me for this success. Thank you for shaping my career and paving the way for a bright future.



Anshita Yadav

I am placed in Synopsys India Pvt. Ltd. at 15 LPA and currently working as an Application Engineer.

I want to give a big thanks to the HOD sir, all the faculty members, mentors, the ECE Department and the CCPD cell of my college for helping us in placement and for guiding us. My 4 years at ABES Engineering College were truly amazing. My college helped me in every aspect to groom myself and made me believe in myself that I can achieve everything that I have dreamt of. I cherish the moments spent under the guidance of the mentors which were valuable and helped me to excel. It was a wonderful experience at ABES Engineering College.



DIKSHA GUPTA

At present, I am working in Synopsys as an intern and will be working as an Application Engineer as a full-time employee. Joining ABES seems like a correct step taken towards building my engineering background. The college has provided us with all the resources, guidance and support required to face the fast-paced corporate life that awaits us after stepping out of college. The various training and project-based evaluation provided by the department helped us make a strong base, which is needed to withstand various interviews. The graph of learning has only grown exponentially in all these 4 years. The bonds made here with the teachers and friends helped to make this journey an exciting and learning one.



Vishal Kumar Rana

I am honored to provide this testimonial for the Electronics and Communication Engineering (ECE) department at ABES Engineering College. Having been closely associated with this department for several years, I can confidently attest to the excellence and dedication that define it.

The ECE department at ABES Engineering College stands out for its commitment to academic excellence and innovation. The faculty members, without exception, are highly knowledgeable, passionate, and committed to nurturing the talents of their students. Their relentless pursuit of academic rigor, combined with a genuine concern for the students' growth, creates an environment conducive to learning and personal development.



TOP RECRUITERS @ ECE (Batch 2020-24)



Batch 2020-24

TEAM MEMBERS

Chief Patron

Sh. Neeraj Goel

Chairman

Patron

Sh. Sachin Goel

Vice President

Patron

Sh. Shashwat Goel

General Secretary

Patron

Sh. Raghunandan Kansal

Advisor

Patron

Prof. (Dr.) Devendra Kr. Sharma

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ABES Engineering College

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