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CHAKSHU

A Bi-annual Newsletter

**Electronics &
Communication
Engineering**

July-Dec., 2021
Volume 2, 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, in 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 is applicable 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.) Sanjay Kr. Singh
Director (Officiating) & 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

WHAT'S INSIDE



CONTENTS

VISION-MISSION

PO-PSO-PEO

ABOUT THE DEPARTMENT

ECE DEPARTMENT WORKING PROCESS

1. INBOX WORKING PROCESS

1.1 ACADEMICS

1.2 RESEARCH & INNOVATION

2. OUTBOX WORKING PROCESS

2.1 EMPLOYABILITY ENHANCEMENT CELL(EEC)

2.2 ELECTRONICS DESIGN & CONSULTANCY (EDAC)

2.3 FUNDING

3. DEPARTMENT ACHIEVEMENTS

4. STUDENT ACHIEVEMENTS

5. FACULTY ACHIEVEMENTS

6. PLACEMENT

7. TESTIMONIALS OF PLACED STUDENTS

8. ALUMNI CONNECT



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.

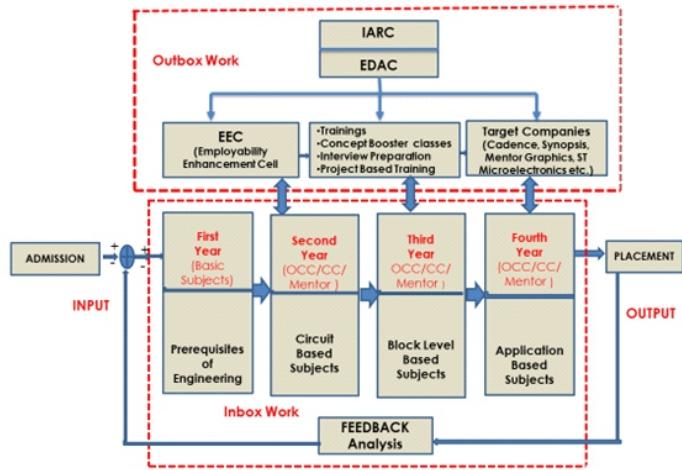
The Department also has Industry Collaboration Cell/ Industry-Academia Relationship Cell (IARC) to provide a platform for our students to develop a relevant skill set and know-how for better placement related to skill set industries.

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 Stolar 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

1.1.1 Department Academic Activities

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

- **Overall Class Coordinator (OCC):** The concept of this initiative was to have double-checked on the working of class coordinators and students. The OCC 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. Overall class coordinators, 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.
- **Extra classes** for short attendance and academically needy students had started from the starting of the semester.
- **Daily 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.
- **Concept Booster Classes (CBC)** for in-depth study for core companies/PSUs/ IES. The classes are taken by senior faculty members of the department.
- **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.
- **Tie-ups with Reputed Academic Universities & Institutions for Start-ups, Intellect Transfer & Faculty Development.**
- **GATE Classes and Content Preparation for Core Field Companies.**

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 (Faculty)

1.2.1.1 JOURNALS: -

- **Himani, Arpita Johri, Manidipa Roy, Sanjay Kumar Singh, "Review Of Technologies And Protocols Used In Low-Cost Air Pollution Monitoring System", Indian Journal of Environmental Protection, Vol.41, ISSN:0253-7141, pp.1152-1159, Oct. 2021.**
- **Nishu Gupta, Priyanka Bhardwaj, Surjeet Balhara, "Designing of Defected Ground Structure Patch Antenna for Vehicular Safety Applications at 5.9 GHz", Volume 121, pp. 95-106, July 2021.**
- **Surjeet, Priyanka Bhardwaj, Raghavendra Pal, Nishu Gupta, "An Intelligent Scheme for Slot Reservation in Vehicular Ad Hoc Networks", China Communications, Volume 18, issue 7, pp. 223-235, July 2021.**
- **Priyanka Bhardwaj, Manidipa Roy and Sanjay Kumar Singh, "Gold Coated VO₂ Nanoratings Based Plasmonic Switches", Trends Sci. 2022; Vol.19(1), 1721, Jan 2022.**
- **A. Choudhary, M. Nizamuddin and M. Zadoo, "Body Node Coordinator Placement Algorithm for WBAN Using Multi-Objective Swarm Optimization," in IEEE Sensors Journal, vol. 22, no. 3, pp. 2858-2867, 1 Feb.1, 2022, DOI: 10.1109/JSEN.2021.3135269.**
- **Sumer Singh Singhwal, Ladislau Matekovits, Binod Kumar Kanaujia, Jugul Kishor, Saeed Fakhte, Amit Kumar, "Dielectric Resonator Antennas: Applications and Developments in Multiple-Input, Multiple-Output Technology", IEEE Antennas and Propagation Magazine, Early access, ISSN 1045-9243, pp., 2-15, August 2021**
- **Navneet Sharma, Anubhav Kumar, Asok De and Rakesh K. Jain, " Compact Circular Polarized CPW Antenna For WLAN And Biomedical Applications", Frequenz Under DE GrUYTER, November 2021.**
- **Navneet Sharma, Anubhav Kumar, Asok De and Rakesh K. Jain, " Design of Compact Hexagonal Shaped Multiband Antenna for Wearable and Tumor Detection Applications" Progress in Electromagnetics Research- M, Volume 105, pp. 205-217, November 2021.**
- **Hishan S. Sanil , Deepmala Singh, K. Bhavana Raj , Ranjeeta Yadav , Kamal Gulati, "Role Of Machine Learning In Changing Social And Business Eco-System – A Qualitative Study To Explore The Factors Contributing To Competitive Advantage During COVID Pandemic", World Journal of Engineering, ISSN1708-5284, Sept 2021.**
- **Pallavi Tyagi and Sudhanshu Choudhary, "Tuning The Electronic And Optical Properties Of Molybdenite (MoS₂) By Adsorption Of Alkali Metals And Halogens", Optical Materials, Vol. 118 (111248), ISSN 0925-3467, pp. 1-8, Aug 2021.**

1.2.1.2 CONFERENCE: -

- Sanjeev Kumar Saini, Rashmi Gupta, "Mental Stress Assessment using Wavelet Transform Features of Electrocardiogram Signals", IEEE International conference: ICIERA-2021, December 2021.
- Navneet Sharma*, Anubhav Kumar, Asok De and Rakesh K. Jain," Circularly Polarized CPW-Fed Antenna for ISM (5.8 GHz) and Satellite Communication Applications", 8th International Conference on Signal Processing and Integrated Networks (SPIN), August 2021.
- Navneet Sharma*, Anubhav Kumar, Asok De and Rakesh K. Jain," Circularly Polarized Antenna for ISM (5.8 GHz), Satellite Communications and UWB Applications", 8th International conference on Signal Processing and Integrated Networks (SPIN), August 2021.
- Upasana Sharma, et. al, "Performance of NOMA for 5G Radio Access", First International Conference on Recent Trends in Parallel and Distributed Processing Techniques, July 2021.
- Tania Gupta, Richa Bhatia, "False data injection attack Detection using Machine Learning in Smart Grid: Approaches, Datasets and Comparative study", Sustainable Technology and Advanced Computing in Elec. Engg., Springer, SVNIT, Surat, November 2021.
- Tania Gupta, Dheeraj Singh, Akshay Mishra, "Intelligent Energy Efficient Smart Street Light System", ICCAE 2021, July 2021.
- Dheeraj Singh, Deva Nand, Atul Kumar," Newly Realized grounded capacitance multiplier using single CFDITA", International Conference on Signal Processing and Communication (ICSC), July 2021.
- Anjana Bhardwaj, et. al, "Design and Performance Enhancement of Vertical Nanowire TFET using Triple Metal Gate Technique", IEEE International conference: CENTCON 2021, pp. 112-117, Nov 2021.

1.2.1.3 BOOK CHAPTERS: -

- Priyanka Bhardwaj, Manidipa Roy and Sanjay Kumar Singh, "Simulation and Design of Mach-Zehnder Interferometer", Micro-Electronics and Telecommunication Engineering, ISBN978-981-16-8720-4.
- Priyanka Bhardwaj, Manidipa Roy and Sanjay Kumar Singh, "Atmospheric Turbulence Effects on Bit Error Rate in Lognormal and Negative Exponential Channel in FSO Link", Micro-Electronics and Telecommunication Engineering, Springer Nature, ISBN978-981-16-8720-4.
- Ashish Gupta, Rajesh Kumar and Devvrat Tyagi, "Book Chapter-10_Wireless sensor network for IoT based ECG monitoring system using NRF and LabVIEW", Multimodal biometric system: security and applications, CRC Press, Volume 1, pp 125-134, ISBN 978-0-367-68557-7, 2022.
- Shalabh K. Mishra, Dharmendra K. Upadhyay, Maneesha Gupta, "Chapter Three - Approximation Of Fractional-Order Elements For Sinusoidal Oscillators", Fractional-Order Design Devices, Circuits, and Systems, Emerging Methodologies and Applications in Modelling, Volume 3,pp. 63-88, ISBN 978-0-323-90090-4, 2022.

1.2.2 Publications (Student)

1.2.2.1 JOURNALS: -

- Priyanka Bhardwajet.al. "IoT Based Soldier Health and Position Tracking System using GPS and GSM", Zeichen Journal, Vol. 7 (7), July 2021.
- Ranjeeta Yadav, Surekha Ghangas, Divyanshu Joshi, Harshit Yadav, Anmol Dev, "Implementation Of Efficient Fir Filter", Kalyan Bharti, Vol.36 (XX), ISSN:0976-0822, Aug. 2021.
- Ayush Kumar Malan, Ashutosh Tandon, Himani Garg, Dr. Ashish Gupta, "Patient Monitoring System Using IOT", International Journal of Recent Scientific Research, Volume 12, issue 7, pp. 320 – 324, July 2021.
- Arsh Meharwal, Anurag Sharma, Ankit Kumar, Anshul Singal, "Air Quality Monitoring System", IRJET, Vol. 8(8), pp. 525-531, ISSN: 2395-0056, doi:10.3233/apc210178, Aug 2021.
- Ishita, Mansi Kaushik, Palak Khare, "Personal Health Tracker", IASTE, Vol. 10(1), ISSN: 2278-990 pp.53-58, June 2021.
- Surekha Ghangas, Arpita Johri, Abhishek Singh, Abhishek Singh, Jaideep Singh, Akash Kumar Tiwari, "Detection of Temperature In A Server Room Using WSN", IJCRT, Vol. 9(8), ISSN. 2320-2882, pp. 416-424, August 2021.

1.2.2.2 CONFERENCE: -

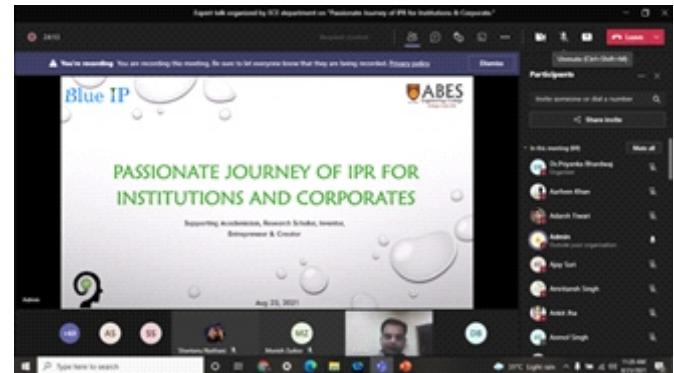
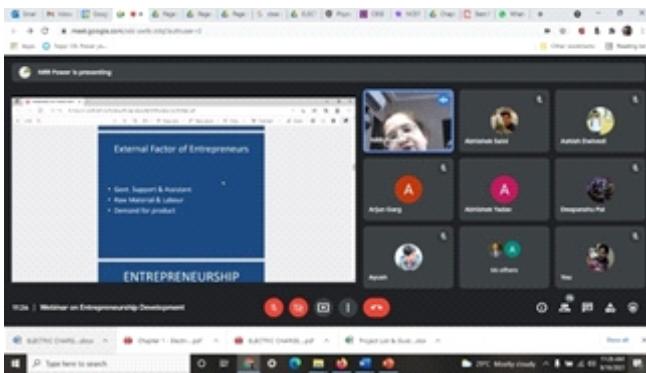
1. Devesh Sonker, Aakansha, Ranjeeta Yadav, "Smart Medical Robotic kit", Springer International conference: ICMETE-2021, Sept 2021.
2. Ranjeeta Yadav, Divyanshu Joshi, Harshit Yadav, Anmol Dev, "FIR Filters Using Different Adders and Multipliers Based on Vedic Mathematics: Review", IEEE International conference: SASM-2021, Aug. 2021.
3. Sparsh Gupta, Vidhi, Tanisha Mittal, Varun Goel, Pallavie Tyagi and Mudit Saxena, "Smart -Shop Cart", International Conference on Computer and Applied Technology, July 2021.
4. Upasana Sharma, Abhishek Singh, Aayush Kumar Agarwal, Deepanshu Chandra, "Ultrasonic Navigation For The Blind With GPS Enabled", First International Conference on Recent Trends in Parallel and Distributed Processing Techniques, July 2021.
5. Shristi Tiwari, Tanvi Sharma, Tanya Anand, Tanvi Agarawal, "Design and Development of RF Detector", International Conference on Emerging Trends in Engineering and Technology ICETET 2021, July 2021.
6. Diksha, Arpit Pal, Dhruv Gupta, Avishka Gupta, Tania Gupta "Home Automation system: By Eye Blinking for Paralyzed and Disabled people", ICCAE 2021, July 2021.
7. Vishal Gupta, Sanskriti Goyal, Tania Gupta, "4-bit signed calculator Implementation using UART", ICCAE 2021, July 2021.
8. Aditi Dhar, Anushi Jindal, Aashi Gupta, Himani, "Remote Monitoring Real-Time Air Pollution – IoT Cloud Based", ICCAE 2021, July 2021.
9. Saksham Jain, Sanya Aggarwal, Satakshi Tiwari, Siddharth Srivastava, Khushbu Bansal, Sanjay Kumar Singh, "Android Controlled Robot", ICCAE 2021, July 2021.
10. Dheeraj Singh, Nandani Choudhary, Mayank Sinha, Harsh Tiwari, Raghav Aggarwal, "A review of 1-bit full adder design using different dynamic CMOS technique" ICCAE 2021, July 2021.
11. Dheeraj Singh, Manan Gupta, Ishika Singhal, Keyuri Gupta, "Prosthetic arm with microcontroller" ICCAE 2021, July 2021.
12. Divyanshu, Ekansh, Lakshya, Varun Goel, "Comparative Analysis of MUX Using Various CMOS Circuit Style under Nanometer Technology" ICCAE 2021, July 2021.

1.2.3 Patents

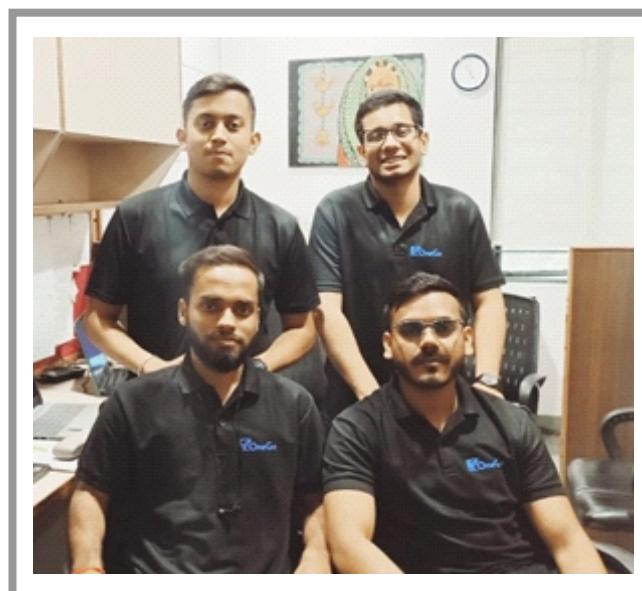
S. No.	Title of Invention	Applicant / Inventors from ABESEC	Status	Date	Application No.
1	RFID BASED SCRAPPED VEHICLE DETECTION	Ms. Geetanjali Raj Ms. Ranjeeta Yadav Mr. Shrey Bhardwaj Ms. Shivangi Singh	Published	31/12/21	202111060093 A
2	SYSTEMS AND METHODS FOR CONTROL AND MANAGEMENT OF RAILWAY CROSSING	Ms. Anjana Bhardwaj Ms. Upasana Sharma	Published	24/12/21	202111058292 A
3	ARDUNIO BASED AIR POLLUTION MONITORING SYSTEM	Mr. Rajeev Kumar Mr. Sanjeev Kumar Mr. Adarsh Chauhan Ms. Divyanshi Pal Mr. Vineet Singhal Mr. Daksh Trivedi	Published	31/12/21	202111059521 A
4	DEFECTED GROUND STRUCTURE PATCH ANTENNA FOR VEHICULAR SAFETY APPLICATIONS.	Dr. Priyanka Bhardwaj Dr. Manidipa Roy Prof. (Dr.) Sanjay Kr. Singh	Published	31/12/21	202111058581 A
5	CIRCULARLY POLARIZED METAMATERIAL-BASED MICROSTRIP PATCH ANTENNA WITH SURFACE WAVE SUPPRESSION CHARACTERISTICS MAPS	Dr. Manidipa Roy Dr. Priyanka Bhardwaj	Published	24/12/21	202111058291 A
6	METHOD FOR PERFORMANCE OF INTERCONNECTS SPACING ON CROSSTALK FOR MULTI-LAYERED GRAPHENE NANORIBBON	Mr. Vijay Rao Kumbhare Prof. (Dr.) Sanjay Kr. Singh Dr. Priyanka Bhardwaj Dr. Manidipa Roy Dr. Shalabh Kumar	Published	31/12/21	202111059573 A
7	METHOD FOR PERFORMING GOLD (AU) COATED VANADIUM DIOXIDE (VO ₂) NANOGRATINGS BASED PLASMONIC SWITCHES	Dr. Priyanka Bhardwaj Dr. Manidipa Roy Prof. (Dr.) Sanjay Kr. Singh Dr. Shalabh Kumar Mr. Vijay Rao Kumbhare	Published	31/12/21	202111059049 A
8	CIRCULARLY POLARIZED RADIATION CHARACTERISTICS SURFACE WAVE SUPPRESSED PATCH ANTENNA	Dr. Priyanka Bhardwaj Dr. Manidipa Roy Prof. (Dr.) Sanjay Kr. Singh Dr. Shalabh Kumar Mr. Vijay Rao Kumbhare	Published	31/12/21	202111059051 A
9	METHOD FOR PERFORMING A SMART AUTOMOTIVE VEHICLE IN MODERN ROADWAYS	Mr. Mudit Saxena Ms. Arpita Johri Prof. (Dr.) Sanjay Kr. Singh Mr. Harish Pratap Ms. Ankita Singhal Ms. Muskan Mittal Ms. Nandini Tandon	Published	31/12/21	202111059050 A
10	AI-BASED SMART SHOPPING SYSTEM	Ms. Pallavi Tyagi Ms. Khushbu Bansal Ms. Tania Gupta Dr. Priyanka Bhardwaj	Published	31/12/21	202111059048 A
11	ATTENDANCE MONITORING SYSTEM EMPLOYING UHF	Dr. Priyanka Bhardwaj Dr. Manish Zadoo Ms. Geetanjali Raj Dr. Manidipa Roy	Published	31/12/21	202111059164 A

1.2.3 Incubation and Startups

- **The Research & Innovation Cell** of Department of Electronics & Communication Engineering, ABES Engineering College, Ghaziabad has successfully conducted a Webinar on the topic “**Entrepreneurship Development**” on **16th September 2021** for the students of B.Tech Second, Third and Fourth year, ECE.
- **The Research & Innovation Cell** of the Department of Electronics & Communication Engineering, ABES Engineering College, Ghaziabad has successfully conducted an Expert-Talk on “**Passionate Journey of IPR for Institutions & Corporate**” on 23rd August 2021. The Expert-Talk was delivered by **Mr. Tushar Kumar Srivastava, Senior Patent Attorney, Director Blue IP.**



- OneGo start-up is incorporated as a Private Limited Company named Aclix Technologies Private Limited. We are DPIIT certified start-up recognised by Start-up India. We operate in the B2B2C sector, with an emphasis on retail technology. So, by providing high-tech invoicing solutions for businesses and a substantially speedier checkout procedure for customers, OneGo promises to make traditional retail facilities more user-friendly.



Team Members: Ayush Singh, Gaurav Singh, Divik Yadav, Ayush Srivastava



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. After the segregation, the students under “IT Domain” are trained in different fields (Ex- C, C++, Python etc.) during the Second year.
2. Students are promoted to Third Year and again counseling session is conducted by HOD and EEC Member to ask whether the students want to pursue the same field or want to change.
3. If the students continue to the “IT domain”, they are trained in Advance Languages (Ex- JAVA, AI, ML etc.) during the third year.
4. At the end of 3rd year, the students are required to develop a project based on acquired skills.
5. 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:

1. Microelectronics Domain (SOC based software field)
2. Devices Domain
3. Communication Domain
4. Applications Domain (Embedded and IoT)
5. Sales & Service Domain
6. Operation & Maintenance Domain
7. Public sector and higher education Domain

2.2 ELECTRONICS DESIGN & CONSULTANCY (EDAC)

EDAC is a budding electronic consultancy group providing customized solutions to innovative thought processes obtained from Industry. We offer consultancy in the field of electronic designing, electromechanical system design & Industrial automation & Robotics.

Objectives:

- Design and development of products based on ideas received from Industries.
- Offering commercially viable solutions best suited for Industries in terms of cost, optimization and technological edge keeping in view various quality parameters.

COE-Optical, Antenna and Microwave Engineering Successfully completed two Consultancy project.

Sr. No.	Project Title	Session	Date of Completion	Duration	Year	Funding Agency	Amount (Rs.)
1	Fabrication and testing of 2.4GHz Sector and semi-circular Antenna	2021-22	27-12-2021	4 months	2021	AKTU	4000
2	Testing of pentagon-shaped patch antenna	2021-22	18-10-2021	1 week	2021	GGSIP University, Delhi	3500

2.3 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.

Recently Applied Projects

PROPOSALS SUBMITTED (July-Dec 2021)					
Date	Title	Funding Agency	Amount (INR)	PI	Co-PI
14.12.21	Adsorption based tuning of electric and optical properties of nanomaterials for biomedical applications	SERB CRG	37,70,000	Prof. (Dr.) Sanjay Kr Singh	Dr. Priyanka Bhardwaj, Dr. Manidipa Roy



3. DEPARTMENT ACHIEVEMENTS

REQUIZA CLUB

- **Requia** 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.
- **Requia** "The Technical Society of Department of Electronics & Communication Engineering" successfully organized the event “**HIT THE MIND**” on 11th and 12th December 2021 for students of all branches. The objective of the event was to help the students to explore different genres in visualising and analysing things and to groom their skills and make overall development. Students of all branches participated in the event with full enthusiasm. Out of 105 registered students, 95 students participated.



Teaserevia & Hit the Mind event under REQUIZA Club

- Two Memorandum of Understanding (MOU) has been signed between **ABES Engineering College, Ghaziabad** with "**Orix Technologies Pvt. Ltd**" and "**Envirozone Instruments & Equipment's Private Limited**".
- **Prof. (Dr.) Sanjay Kumar Singh (Incharge, ICC)**, **Prof. (Dr.) Priyanka Bhardwaj (Coordinator, ICC)** and **Dr. Manidipa Roy (Deputy Coordinator, ICC)** have signed MOU and articulation agreement as an international collaboration between **ABES Engineering and Oakland University, Rochester, Michigan, USA** under **International Collaboration Cell (ICC)**.
- Successfully started International Student Chapter with Optical Society of America (presently Optica) "**ABESEC OSA**" under International Collaboration Cell-ABESEC. The Initial Student Chapter Grant of \$ 350 (Rs. 25,349/-) has been received from the Optical Society of America.

The Department of Electronics and Communication Engineering

Welcomes you to the
Inaugural Ceremony of

ABES Engineering College - Optical Society of America Student Chapter

ABESEC OSA



ABESEC OSA

ABES

Engineering College

Established 2000

ABESEC OSA

The Optical Society

Brief Description Optical Society

The Optical Society's objective is to foster knowledge development, distribution, application, and archiving in Optics and Photonics. The society is involved in a variety of scientific and technical endeavors. The chapter hosts an annual optics and photonics conference, bringing renowned speakers to provide seminars and researchers to discuss their work. Several professionals are regularly invited to address a student chapter audience with fresh results in their particular academic pursuits, as well as trips to their workplace.



PROF. (DR.) SANJAY KR. SINGH
Director (Officiating) and HOD, ECE

CONVENER



TERENCE ROONEY
Senior Program Manager
OSA (USA)



PROF. (DR.) PRIYANKA BHARDWAJ
Professor, ECE

FACULTY ADVISOR

29 DECEMBER
11:30am onwards
2021



DR. MANIDIPA ROY
Associate Professor, ECE

FACULTY CO-ADVISOR

STUDENT OFFICERS

Ashi Aggarwal
President

Devanshi Chauhan
Vice-President

Nidhi Jha
Secretary

Sakshi Gupta
Treasurer

Shivanki Srivastava
Special Officer



International Student Chapter with Optical Society of America "ABESEC OSA"



4. STUDENT ACHIEVEMENTS

4.1 ACADEMIC ACHIEVERS: -

- Final year student, **NANDINI TANDON** (Session 2020 – 2021), secured **1st rank having 9.19 CGPA** in B-Tech (ECE) at the **college level** and **10th rank** in B-Tech (ECE) at the **university level**.
- Final year student, **MAYANK SINHA** (Session 2020 – 2021), secured **2nd rank** having **9.1 CGPA** in B-Tech (ECE) at the **college level**.
- Final year student, **NANDINI CHOUDHARY** (Session 2020 – 2021), secured **2nd rank** having **9.1 CGPA** in B-Tech (ECE) at the **college level**.
- Third-year student, **SANSKRITI SRIVASTAVA** (Session 2020 – 2021), secured **1st rank** having **9.05 YGPA** in B-Tech (ECE) at the **college level**.
- Third-year student, **KAUMUDI TYAGI** (Session 2020 – 2021), secured **2nd rank** having **9.03 YGPA** in B-Tech (ECE) at the **college level**.
- Third-year student, **PRAKHYAT MISHRA** (Session 2020 – 2021), secured **2nd rank** having **9.03 YGPA** in B-Tech (ECE) at the **college level**.
- Second-year student, **DEVANSHI CHAUHAN** (Session 2020 – 2021), secured **1st rank** having **9.16 YGPA** in B-Tech (ECE) at the **college level**.
- Second-year student, **SAKSHI GUPTA** (Session 2020 – 2021), secured **2nd rank** having **9.09 YGPA** in B-Tech (ECE) at the **college level**.
- Second-year student, **KRATIKA YADAV** (Session 2020 – 2021), secured **2nd rank** having **8.85 YGPA** in B-Tech (ECE) at the **college level**.

4.2 SPORTS ACHIEVERS: -

- ANUSHKA YADAV of 2018-22 batch had grabbed a **SILVER** medal in **DISCUS THROW** at AKTU Zonal.
- UTKARSH SRIVASTAVA of 2019-23 batch had grabbed **SILVER** medal in **4 X 400M RELAY** at AKTU Zonal.
- YATI JAISWAL of 2019-23 batch had grabbed a **SILVER** medal in **4 X 400M RELAY** at AKTU Zonal.
- KRITYANSI KUSHVANSI of 2019-23 batch had grabbed a **SILVER** medal in **4 X 400M RELAY** at AKTU Zonal.
- KRITYANSI KUSHVANSI of 2019-23 batch had grabbed a **BRONZE** medal in **HIGH JUMP** at AKTU Zonal.
- UTKARSH SRIVASTAVA of 2019-23 batch had grabbed a **BRONZE** medal in **4 X 400M RELAY** at AKTU Zonal.
- SHAILENDRA KUMAR of 2019-23 batch had grabbed **BRONZE** medal in **4 X 400M RELAY** at AKTU Zonal.



Winners of AKTU Zonals

4.3 COURSE COMPLETION:-

- **Pinkoo Gupta** of the **2020-24** batch had completed a course on “**Object localisation with the tensor flow**” from **Coursera**.
- **Rachit Agarwal** of **2020-24** batch had completed a course on “**Introduction to Web Development**” from **Coursera**.
- **Ehtesham Ahmed** of the **2020-24** batch had completed a course on “**Tweet emotion and recognition using tensorflow**” from **Coursera**.
- **Jatin Sharma** of **2020-24** batch had completed a course on “**Introduction and Programming with the IoT boards**” from **Coursera**.
- **Geetika Parashar** of **2020-24** batch had completed a course on “**Programming for Everybody (Getting Started with Python)**” from **Coursera**.
- **Parth Kumar Dhiman** of the **2020-24** batch had completed a course on “**Object Localization with tensorflow**” from **Coursera**.
- **Gaurav Chaudhary** of **2020-24** batch had completed a course on “**Object Localization with tensorflow**” from **Coursera**.
- **Keertika Singh** of the **2020-24** batch had completed a course on “**IoT- Communication Technologies**” from **Coursera**.
- **Paridhi Pandey** of the **2020-24** batch had completed a course on “**Object localisation with tensor flow**” from **Coursera**.
- **Priya Verma** of the **2020-24** batch had completed a course on “**Python Basics**” from **Coursera**.
- **Preeti Gupta** of the **2020-24** batch had completed a course on “**Python Basics**” from **Coursera**.
- **Kunal Singh Naruka** of the **2020-24** batch had completed a course on “**Introduction to programming with IoT boards**” from **Coursera**.
- **Gautam Garg** of the **2020-24** batch had completed a course on “**Object localisation with tensorflow**” from **Coursera**.
- **Jayan Kumar Goel** of the **2020-24** batch had completed a course on “**Introduction and programming with IOT boards**” from **Coursera**.
- **Nishant Bharadwaj** of **2020-24** batch had completed a course on “**Object localisation with tensorflow**” from **Coursera**.
- **Lakshay Dixit** of **2020-24** batch had completed a course on “**IoT Wireless & Cloud Computing Emerging Technologies**” from **Coursera**.
- **Priyanshu Sharma** of the **2020-24** batch had completed a course on “**Introduction and programming with IoT boards**” from **Coursera**.
- **Kartik Kaushik** of **2020-24** batch had completed a course on “**Introduction and programming with IOT boards**” from **Coursera**.
- **Prashant** of **2020-24** batch had completed a course on “**Object localisation with tensorflow**” from **Coursera**.
- **Pratham Maurya** of **2020-24** batch had completed a course on “**Object Localization with TensorFlow**” from **Coursera**.
- **Lagan Sharma** of the **2020-24** batch had completed a course on “**Internet of Things: Communication Technologies**” from **Coursera**.

- **Aakriti Sharma** of the **2019-23** batch had completed a course on “**Speak English Professionally**” from **Coursera**.
- **Mukesh Kumar Chauhan** of the **2020-24** batch had completed a course on “**Deep Learning with PyTorch-Generative Adversarial Network**” from **Coursera**.
- **Piyush Pandey** of the **2020-24** batch had completed a course on “**Tweet emotion and recognition using tensorflow**” from **Coursera**.
- **Naveen Tripathi** of **2020-24** batch had completed a course on “**Introduction to Data Science in Python**” from **Coursera**.
- **Fyona Vats** of **2020-24** batch had completed a course on “**Build your first Search Engine using AWS Kendra**” from **Coursera**.
- **Kanchan Kumari** of the **2020-24** batch had completed a course on “**Internet of Things: Communication Technologies**” from **Coursera**.
- **Neha Tiwari** of the **2020-24** batch had completed a course on “**Deep Learning with PyTorch-Generative Adversarial Network**” from **Coursera**.
- **Keshav Goel** of **2020-24** batch had completed a course on “**Introduction and programming with IoT boards**” from **Coursera**
- **Himanshu Pandey** of **2020-24** batch had completed a course on “**Build your first Search Engine using AWS Kendra**” from **Coursera**.
- **Manas Kumar Upadhayay** of **2020-24** batch had completed a course on “**Introduction and programming with IoT boards**” from **Coursera**.
- **Manvi Pankaj** of **2020-24** batch had completed a course on “**Build your first Search Engine using AWS Kendra**” from **Coursera**.
- **Nilesh Agarwal** of **2020-24** batch had completed a course on “**Introduction and programming with IoT boards**” from **Coursera**
- **Pankaj Singh** of the **2020-24** batch had completed a course on “**Deep Learning with PyTorch-Generative Adversarial Network**” from **Coursera**.
- **Nikhil Mishra** of the **2020-24** batch had completed a course on “**Deep Learning with PyTorch-Generative Adversarial Network**” from **Coursera**
- **Harsh Pratap Singh** of the **2020-24** batch had completed a course on “**Introduction to the Internet of Things and Embedded Systems**” from **Coursera**
- **Pushkar Chaubey** of **2020-24** batch had completed course on “**Tweet emotion and recognition using tensorflow**” from **Coursera**.
- **Harsh Singh** of **2020-24** batch had completed course on “**TCS iON Career Edge - Young Professional**” from **TATA Consultancy Services**.



5. FACULTY ACHIEVEMENTS

5.1 NATIONAL/ INTERNATIONAL AWARD:-

- Dr. Priyanka Bhardwaj: Felicitated with the prestigious "International Innovative Educator as a change maker Award (IEC Awards) 2021" on 16th October 2021 organized by "International Electrotechnical Commission (Asia)".



- Dr. Priyanka Bhardwaj: Felicitated with "Teacher Excellence award of Education" by Hon'ble Union Minister of State of Education, Dr. Subhash Sarkar and Prof. S.P. Singh Baghel Union Minister of state Law & Justice and other dignitaries on 22nd December 2021 at the Constitution Club of India New Delhi.

5.2 CONVENER/GUEST SPEAKER OF FDP:-

- Dr. Priyanka Bhardwaj: Contributed as Convener in Two-week FDP on "An Insight into NBA Accreditation Process" from 6th to 18th December 2021 organized by Department of Electronics and Communication Engineering, ABESEC in Collaboration with Internal Quality Assurance Cell (IQAC), ABESEC.
- Dr. Priyanka Bhardwaj: Contributed as a guest speaker in one-week FDP on "Emerging Trends in Electronics & Communication Engineering" from 12th to 16th July 2021 organized by the Department of Electronics and Communication Engineering, Bharati Vidyapeeth's College of Engineering, New Delhi.

5.3 SESSION CHAIR OF CONFERENCE:-

- Dr. Priyanka Bhardwaj: Contributed as Session Chair in 2nd International Conference on "Computational Intelligence & Energy Advancements" on 11th September 2021 organized by Vaagdevi College of Engineering, Warangal, India & Faculty of Computing, and Information Technology in Rabigh, King Abdulaziz University, Saudi Arabia from September 11-12, 2021.

5.4 REVIEWER:-

- Dr. Raman Kapoor: Served as a Reviewer for the Conference on International Conference on Innovation and Application in Science & Technology organized by the Department of Applied Sciences, Galgotias College of Engineering and Technology, Greater Noida, UP, India from 21st to 23rd December 2021.

5.5 CERTIFICATIONS (NPTEL, COURSERA etc.): -

- **Dr. Raman Kapoor:** Completed 8 Weeks Certification course on **System Design through Verilog (NPTEL)** in October 2021.
- **Ms. Arpita Johri:** Completed 8 Weeks Certification course on **Ethics in Engineering Practice (NPTEL)** in October 2021.
- **Mr. Deepak Garg:** Completed 8 Weeks Certification course on **Principles of Modern CDMA/MIMO/ OFDM Wireless Communications** in October 2021.
- **Mr. Deepak Garg:** Completed 8 Weeks Certification course on Awareness Programme on **Solar Water Pumping System** in October 2021.

5.6 BOOK AUTHOR/EDITED:-

- **Dr. Priyanka Bhardwaj:** Edited Book Titled “**A Complete Course in ISC Physics**” Vol II for Class XII published by Pitambar Publishing Company (P) Limited.
- **Dr. Priyanka Bhardwaj:** Edited Book Titled “**Learning mathematics volume 3,4 and 5**” published by Pitambar Publishing Company (P) Limited.

5.7 FDPs & WORKSHOPS ATTENDED OUTSIDE ABES:-

- **Ms. Ranjeeta Yadav:** Attended 5 days FDP on Nano Electronics and RF Engineering at SRM Institute of Management and Technology. Ghaziabad, UP, India, from 6th to 10th September 2021.
- **Ms. Upasana Sharma:** Attended 5 days FDP on Nano Electronics and RF Engineering at SRM Institute of Management and Technology. Ghaziabad, UP, India, from 6th to 10th September 2021.
- **Ms. Geetanjali Raj:** Attended 5 days FDP on Nano Electronics and RF Engineering at SRM Institute of Management and Technology. Ghaziabad, UP, India, from 6th to 10th September 2021.
- **Dr. Manish Zadoo:** Attended 5 days FDP on Smart City Technology at Gurukul Kangri, Haridwar, India, from 20th to 24th September 2021.
- **Dr. Manish Zadoo:** Attended 5 days FDP on Emergence of Reversible and Quantum Logic Circuits at ABES IT Ghaziabad, India, from 22nd to 26th November 2021.
- **Mr Ajay Suri:** Attended 5 days FDP on Smart City Technology at Gurukul Kangri, Haridwar, India, from 20th to 24th September 2021.
- **Mr Ajay Suri:** Attended 5 days FDP on Emergence of Reversible and Quantum Logic Circuits at ABES IT Ghaziabad, India, from 22nd to 26th November 2021.
- **Mr. Shailendra Bisariya:** Attended 1-day FDP on Information and Communication Technology in Higher Education at Uttar Pradesh Institute of Design, Noida, India, on 20th August 2021.
- **Mr. Shailendra Bisariya:** Attended 5 days FDP on Stress Management at Education and Educational Management Department NITTTR, Chandigarh, India, from 20th to 24th September 2021.
- **Mr. Rajeev Kumar Pandey:** Attended 5 days FDP on Innovation Entrepreneurship & Startup at National Institute of Technical Teachers' Training and Research, Bhopal, India, from 20th to 24th December 2021.
- **Mr. Sanjeev Kumar Saini:** Attended 5 days Workshop on Applications of Machine Learning in SiGnal, ImAge & CoMputer Vision (AMALGAM 2021) at IEEE (UP Section), India, from 27th to 31st December 2021.
- **Mr. Deepak Garg:** Attended 5 days FDP on VLSI and Microwave Engineering at SRM Institute of Management and Technology, India, from 6th to 10th October 2021.

- Mr. Deepak Garg: Attended 5 days FDP on Sensors Technology at University B DT College of Engineering (Constituent College of VTU Belagavi), India, from 20th to 24th September 2021.
- Mr. Deepak Garg: Attended 5 days FDP on A2Z of NBA Accreditation Process at SRM Institute of Management and Technology, India, from 6th to 10th October 2021.
- Ms. Arpita Johri: Attended 5 days FDP on Outcome-Based Education: A Paradigm for Assessment & Accreditation at Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, India, from 24th to 28th August 2021.
- Ms. Arpita Johri: Attended 5 days FDP on ATAL FDP on Signal Processing and Machine Learning Techniques: Emerging Trends at Sant Longowal Institute of Engineering and Technology, India, from 6th to 10th September 2021.
- Ms. Arpita Johri: Attended 5 days FDP on ATAL FDP on IoT: A Journey from Sensor to Server at A. P. Shah Institute of Technology, India, from 4th to 8th September 2021.
- Mr. Mudit Saxena: Attended 5 days FDP on ATAL FDP on IoT: A Journey from Sensor to Server at A. P. Shah Institute of Technology, India, from 4th to 8th September 2021.
- Mr. Mudit Saxena: Attended 5 days FDP on ATAL FDP on Signal Processing and Machine Learning Techniques: Emerging Trends at Sant Longowal Institute of Engineering and Technology, India, from 6th to 10th September 2021.
- Ms. Surekha: Attended 5 days FDP on Current Research Trends in VLSI Design and Device Modelling at Atria Institute of Technology, Bangalore, India, from 24th to 28th August 2021.
- Ms. Surekha: Attended 1 day FDP on Information and Communication Technology in Higher Education at Uttar Pradesh Institute of Design, Noida, India, on 20th August 2021.
- Ms. Surekha: Attended 5 days FDP on ATAL: Emergence of Reversible and Quantum Logic Circuit at ABES Institute of Technology, Ghaziabad, India, from 22nd to 26th August 2021.



6. PLACEMENT

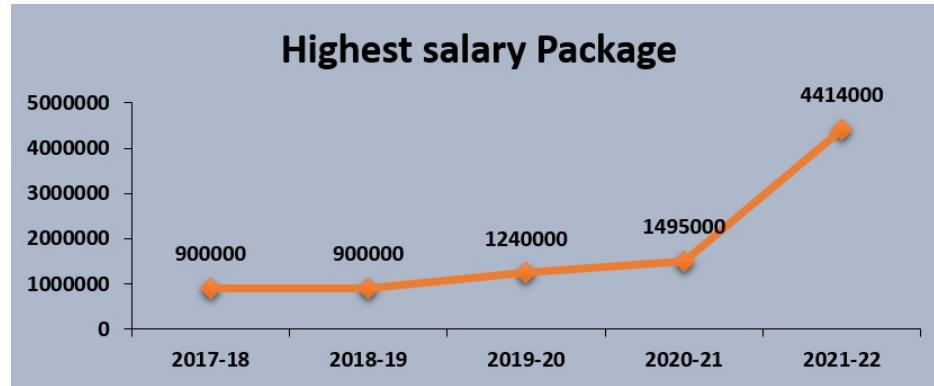
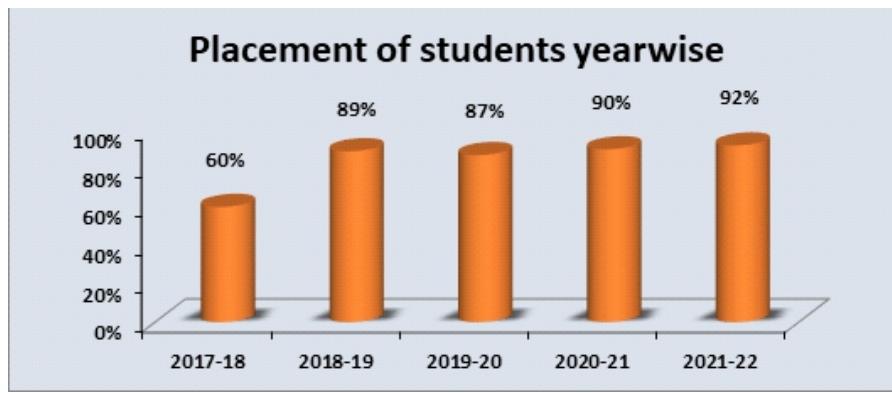
B.Tech. (ECE), 2018-2022

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

- Students are being encouraged as well as monitored by their respective mentors to submit their resumes on the “Career” options on the website of core companies of the ECE domain.
- Final year students are being encouraged to create a LinkedIn account so that they may connect to the people of their domain.
- Motivate the students about Recruiters and educate them about the work culture, domain and skill set required for such type of company.
- 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 every drive.
- Arranging Mentor-Mentee sessions for final year students to improve the resumes and overcome their technical, verbal and communication skills.
- Arrangement of company-specific technical and aptitude training for shortlisted students in association with SEEP and CBSE.
- Interaction of pre-final year students with already placed students for motivation and briefing.

DEPARTMENT PLACEMENT INITIATIVE

- The Department's target is to have 100% placement but due to some reasons there remain some unplaced students. To cover this unplaced student's gap, the dept. has initiated by its own to place the unplaced students through its own linkages. This step will help the unplaced students to get the Placement.



380

No. of Offers

183

Registered
Students

169

No. of
Placements

14

No. of
Unplaced Students**No. of Multiple offers package wise**

Sr. No	Package	No of Offers
1.	>25 Lacs	2
2.	20-25 Lacs	2
3.	15-20 Lacs	1
4.	10-15 Lacs	5
5.	5-10 Lacs	30
6.	2.5-5 Lacs	340

Star Achiever!!!



YASHI SRIVASTAVA

Hearty Congratulations!!!

for getting placements in

PACKAGE OF
₹20.00
LAKHS PER ANNUM



PACKAGE OF
₹19.34
LAKHS PER ANNUM



PACKAGE OF
₹14.95
LAKHS PER ANNUM



BATCH 2018-22

Star Achievers!!!



SOUMYA KANDARI

Hearty Congratulations!!!

Student of ECE Branch 2018-22
for getting placement in Walmart



PACKAGE OF
₹20.00
LAKHS PER ANNUM

Congratulations!

for getting placement in



PACKAGE OF
₹11.00
LAKHS PER ANNUM

Department of
Electronics & Communication Engineering



AYUSH AGGARWAL



AYUSH SRIVASTAVA



PRAKHYAT MISHRA



SHIVANGI AGGARWAL



SHIVANI SINGH



KUNAL GAUTAM



PARTHIKEY SINGH



DAKSH TRIVEDI



HARSHIT ARORA

Hearty Congratulations!!!

Students of ECE Branch 2018-22
for getting placement in Byju's



PACKAGE OF

₹10.00
LAKHS PER ANNUM

Star Achievers!!!



RAHUL DWIVEDI



KIRTIWARDHAN SINGH



SHUBH KRISHAN SAXENA

for getting placement in



PACKAGE OF
₹6.75
LAKHS PER ANNUM

Congratulations!!!

45 ECE Students
Selected

in



Department of Electronics & Communication Engineering

Electronics & Communication Engineering



7. TESTIMONIALS OF PLACED STUDENT

Yashi Srivastav

Placed In: Walmart Global tech, Lowe's India, Cisco, Medly Pharmacy, Infosys

It was a great experience studying at ABES Engineering College, a memory to cherish for a lifetime. My experience at ABES was full of learning and grooming. Being from an ECE branch. I got an opportunity to attend different programs lead by the Employability Enhancement Cell and learned many things from them. I am thankful to all the faculty, mentors, and the entire SET department for providing us with quality education. The Efforts of Department Placement Coordinators by helping on each step during placements, Faculty members by allowing to prepare for placements by managing academics as well. Different technical pieces of training in each semester helped to develop various skillsets. I am also grateful to the CCPD department for organising placements in this pandemic and helping me to get placed in 5 companies on Campus and off-campus including Walmart Global tech, Lowe's India, Cisco, Medly Pharmacy, and Infosys. Overall, it was a great experience and a lifetime memory at ABES-EC. If one wants to make a career through ECE as well, I will highly recommend you join ABES-EC.



Shivam Chauhan

Placed In: - Amazon, Cognizant, Capgemini, Infosys, TCS, DXC



ABES engineering college is a great contributor towards my learnings and personality development, being from the Electronics and Communication branch I got opportunities to showcase my talent which is being backed up by the constant support of mentors that surrounds me. I would like to thank faculty members, CCPD, and department's placement coordinators to give me the resources, time, and preparation strategy to make me to crack companies like Amazon, Cognizant, Capgemini, etc.

Special thanks to the CCPD team for giving On-Campus opportunities for various companies and Off-Campus hiring drives that I can apply to.

Soumya Kandari

Placed in Walmart Global Tech, Capgemini and DXC.

ABES Engineering College always provided me with the assistance that I required for overall development and to improve my technical skills. It gave me an opportunity to meet a different kind of people and learn a number of things.

The most I admire most is the support that I received from faculty members, CCPD and the Department of Electronics and Communication Engineering. The placement cell actively looked after both the personal and technical development of every individual and helped me gain confidence by conducting mock interviews and career-oriented seminars by alumni. They have been putting their best efforts to ensure that each and every student has a job in hand.

We were informed about the various on-campus and off-campus opportunities well in advance. I am happy to have been placed in the 7th semester itself with placement offer from Fortune no.1 company- Walmart.



Sakshi Gusain

Placed In:- Amazon, Cognizant, Capgemini, Infosys, TCS, DXC

It gives me immense pleasure to express my heartfelt gratitude to the Department of Electronics and Communication Engineering for providing such excellent guidance and support.

I would like to thank the department placement coordinators, the CCPD team, and all the faculty members for their time and efforts.

The technical training provided by our department and CCPD team was helpful in enhancing our skills and providing hands-on experience in the field. Tracker such as placement tracker, project tracker, etc. was proven to be a good initiative which helped a lot in maintaining the track of the progress. Mock interviews were provided to get familiar with the interview processes and the commonly asked interview questions. It kept me motivated and gave me the confidence to crack the interview of my dream company.



Daksh Trivedi

Placed in: Wipro as Project Engineer at 3.5LPA, Byjus at Sales position at 10LPA.

I am eternally grateful to ABES Engineering College for all the success in my life. It helped me in every aspect. The teachers were extremely generous in the process, they constantly steered us through. Though things were a little difficult in between due to Covid-19 our college and teachers didn't let that impact our career and performance. They were consistently tracking our performance and kept our morale high to work hard and harder. Placement cell, CCPD department made sure every student gets fair and equal opportunity. They paid attention to every student. I truly recommend every B.Tech aspirant to join ABES Engineering College for a bright future.





8. ALUMNI CONNECT

Shubham Malpani

The journey from the student phase to the corporate world was started at ABES Engineering College. It was really an amazing learning experience in my life. It is not only just for the education but, also for my personality development and interpersonal skills. It gave me a lot of opportunities to learn and grow. There were lots of training programs available for students to learn and start their careers with a good and reputed organization. I was placed in Accenture at 4.5LPA (one of the Top IT leads around the world). I am very thankful to all the faculty members, my mentors and the entire ECE Department. I am very grateful to our CCPD cell for the placement drives for us even in pandemic situations where jobs decreased continuously in the market. They were truly very helpful to us. I am very thankful to ABES Engineering College to make us from college students to corporate professionals.



Aditi Dhar

ABES Engineering College- this name holds a special value for me. More than the name it's an experience that I will cherish for the rest of my life. Despite being involved in many other activities like- photography I still managed to score well and yet explore life beyond academics. The faculty of the ECE department has always been supportive and took all the possible efforts to uplift their students. I got placed in multiple companies with good salaries and I am thankful to all the CCPD and faculty members for this achievement. Without their push and motivation, it would not have been possible.



Akansha

(Harman connected services as an Associate Software Engineer at 5.00 LPA and Cognizant as a Programmer analyst at 4.5LPA)

At present, I am working in Harman connected services and I am very delighted to share my experience as every day I get to learn new services and technologies which lead to an increment in my career profile graph. For this, I would like to thank the ECE department and CCPD department for my bachelor's degree at ABES Engineering College in the ECE branch, our CCPD cell organized placement drives that were truly very helpful. It gave me several opportunities to improve myself whether it is in the field of learning or personal development. It was a great journey, and I hope our college will keep up this work in the future as well.



Mohd Alam

(Cognizant Technology Solutions as Programmer Analyst Trainee at 4.5 LPA and Tata Consultancy Services as Assistant System Engineer at 3.36 LPA)



It was a wonderful experience at ABES Engineering College. The years spent here have been full of learning and fun. The College campus is also great and enthusiastic. Along with the academics, ABES also provides various platforms for co-curricular activities, and it helped me in boosting my confidence level by taking part in the activities. I am very thankful to our teachers, mentors as well as placement cell who helped me in my journey.

Star Achievers!!!



Sakshi Gusain



Shivam Chauhan

Hearty Congratulations!!!

Students of ECE Branch 2018-22
for getting placement in **Amazon**



PACKAGE OF

₹44.14

LAKHS PER ANNUM

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