ECE Department Overview

**Electronics and Communication Engineering**

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, 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 social responsibility. The main objective is to enhance the students' employability skills through in-house training, workshops, guest lectures from industries & projects based on student interest.
* The Department focuses on domain allocation from the second year onwards and starts working collaboratively on the projects.
* For the holistic development of students, we are nourishing our students in such a way that students can accept the technical challenges focused on by the outside world and the department provides concept-based learning, applied research, consultancy from the corporate, patents, and training in the field of Microelectronics Domain (SOC based software field), Application Domain (Embedded and IoT), Signal Processing using NI-LabVIEW, RF & Microwave Devices and Industrial Automation using PLC, HMI & Drives.
* Students in the Department undergo In-house industrial training to bridge the gap between Industry and Academia. Department of ECE has signed MoUs with True Chip, Automation Engineers A.B.Pvt.Ltd. Optimum Viking Satcom (India) Pvt Ltd, Marvel Innovative systems & Technology etc. for industry-based consultancy and projects.
* The Department guides the students to 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.
* ECE Department runs research and consultancy projects funded by various government and non-government funding agencies to offer our students, the opportunity to work on real-time problems & projects.

**WHY US**

ACADEMIC GROOMING

Our B.Tech. Program is accredited by NBA (National Board Accreditation), We offer 360° nurturing for the overall grooming of our students and to develop global competency through One-to-One mapping, domain allocation, direct academic monitoring by Program Leaders, Mentor-Mentee Program, buddy program, Concept Booster Classes, Training Trackers and In-house training.  Students are motivated to publish their project research work in UGC/ SCOPUS and journals of high repute, potential projects are stimulated for patent filling resulting in a high number of publications and patents. A good number of Startups have been initiated by our students.

INDUSTRIAL EXPOSURE

We have 11 State-Of-The-Art Labs, 3 Centres of Excellence (COE) and 4 Industrial Collaboration & Innovation Lab for R&D work. All COEs and Industrial Collaboration & Innovation Lab are tied up with reputed industries. Our COEs are corporate training centers for renowned Electronics industries like Truechip, Elbrus Labs, Optimum Viking, System Infra Solutions and AEAB Automation Pvt Ltd. We have industrial MOUs with leading electronics companies to bridge the gap between industry and academia. Based on inputs from Industries, we are running 6 In-house training programs to provide complete exposure of the Industries in the field of Microelectronics (SOC), Signal Processing, IoT & Robotics (Embedded Systems), Automation (PLC & SCADA) and Communication (Satcom, SMT, MATLAB, Antenna &Microwave design) Consultancy Projects providing a platform for students to work on live industry projects for Industries and colleges.

**Admission Procedure**

ABES Engineering College is one of the highest-rated and the most positively reviewed colleges among the Electronics & Communication engineering colleges in Ghaziabad. The admissions depend on entrance exams and certified evaluation tests like Joint Entrance Examination (JEE). A qualified student must get through counselling and in-person interviews before becoming eligible to take up studies at ABES Engineering College. The desired quality of class composition is never compromised for enrolling more students, for the stature of ABES built over years of consistency in terms of the quality of training to uphold the growth of its students.

#### Career Opportunities after B.Tech in Electronics & Communication Engineering

* Both the public and commercial sectors can be the source of employment for Electronics & Communication engineers with a degree from ABES embarking on an academic journey is also a possibility.
* An Electronics & Communication Engineer can enter different zones like Core Electronics, Telecommunication fields, Software/IT Sector & Public Sectors.

#### What makes ABES different from Other Colleges?

ABES ups the game with the experience achieved through a long and arduous journey. The focus is usually on training the best engineers with the help of the best possible technology, instead of making promises and failing to keep them. The student testimonials and faculty profiles only support this notion. The faculty is active and always pursuing knowledge. The publication frequency of the departments suggests positively regarding the research taking place at ABES. And a deeper dive into the same reveals the best intentions and hard work on the institute's behalf.

* Apart from preparing students and generating knowledge, ABES shines through its reputation and high standards. The institute, unlike other Electronics & Communication engineering colleges in Delhi/NCR, tries to put maximum attention to their skill development.
* ABES features a lot of recreational options on campus and the mental health of the students never takes a back seat.
* A long-standing reputation means strong collaborations. Which in turn, is translated to industry-standard internships and fruitful employment.

#### What should you expect from a degree in Electronics & Communication Engineering at ABES Engineering College?

A B.Tech degree from ABES demonstrates a lot while a student embarks on a job search. The unparalleled reputation of ABES automatically highlights a student and helps them stand out from the crowd. Employers understand what exposures a student might have got during their tenure at ABES in terms of skill development opportunities. A ECE graduate from ABES must have gone through rigorous training utilizing current technologies and with adept and passionate teachers. Industry readiness is the need of the hour, and ABES delivers on that front with remarkable finesse. Being the top B.Tech Electronics & Communication Engineering college in Ghaziabad, the expectations from ABES is high and the institute never fails to deliver on them.

**MOU's**

