



## SKS Educational and Social Trust

### Bengal College of Engineering & Technology

Approved By AICTE New Delhi and Affiliated to MAKAUT, West Bengal  
Department of EE/EEE (Provisionally accredited by National Board of Accreditation,  
2017-2020)

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#### In This Issue

- Message from the Director
- From the Principal's Desk
- From the HOD's Desk
- About the Department
- Vision of Department
  - Mission of Department
- Events
- Departmental Orientation Day Celebration
- Extra Curricular/ Co-curricular Activities
  - Charitable Works/ Social Awareness
- Word from Alumni

#### Message from the Director



Technically qualified manpower is the need of the hour, and that need is best faced through quality professional education and training. I have profound satisfaction to mention that the founding figures of our SKS Group of Institutions, our Chairman Shri. S.K. Sharma & Vice Chairman Shri. Mayank Sharma, have been visionaries in this field. They have provided consistent patronage to the noble cause of empowering young minds with technical education. The state-of-the-art infrastructure, the qualified and dedicated faculties, and the consistent and fruitful alliance of our collaborators have helped Bengal College of Engineering and Technology—the flagship college under the aegis of SKS Educational and Social Trust—emerge as the destination of excellence for technical education. The accolades like NBA Accreditation for our B. Tech Branches for two times, and consecutive five times felicitations like Outstanding Engineering Institute (East) Awards by ABP News – DNA and BBC, serve as testimonials to the above fact. Institute's recent noteworthy achievements also include winning of top prizes by the students in innovative project display competitions in IIT-Kharagpur, IIT-Mumbai and IIT-Kanpur and many other national events. This endeavor by the Dept. of EE/EEE shall further highlight the achievements accomplished by the students of the department and the institute as a whole in pursuing even greater heights and reaching the zenith of success in the future. I wish them all the very best.

#### From Principal's Desk



A vast majority of us nurse positive dreams. Few people initiate and start acting to realize them. And only those, too fewer-work hard to turn their dreams into daring and bold realities. It was about a decade and its half years' time from today at the precinct where BCET stands today that cherished dream fructified. It was to fortify young minds with value and outcome based technological and management education and there was birth of Bengal College of Engineering and Technology at Durgapur in the year 2001. All was possible due to our visionary and industrialist Chairman Shri S.K. Sharma who was determined to make BCET and a full set of its sister Institutions making the hub to hone prowess in technical education at the knowledge centers under SKS

Educational and Social Trust.

Bengal College of Engineering and Technology possesses a cohort of erudite faculty members with research and industrial experiences from renowned institutions to provide excellent instruction and mentoring for the students. Authorities like Department of Science and Technology and All India Council for Technical Education have entrusted several projects including research to our faculties and students with financial provisions. All these together have added to the firmness and cohesion to the several disciplines of technology to work forward together with the courses in engineering and management to

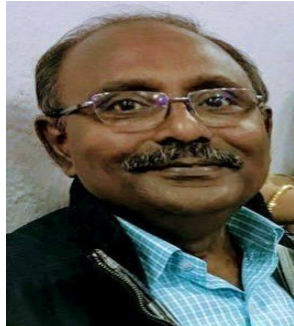
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cater Bachelor and Masters degrees.

It's a fact that Bengal College of Engineering and Technology which began its humble journey in the year 2001 has not only grown but also is perfecting itself to meet the challenges being faced at present and gets ready for the future era. Seminars-National and International, workshops, trainings, soft-skills development classes, educational tours, industrial project works etc. are some of our salient and regular features through which our students get prepared to get geared for a global technologists role. We are committed to retain the level of superiority already in our command and shall leave no stone unturned to get our pupils ahead of others in different spheres of life through further refinement.

### From the HOD's Desk



The department of EE/EEE started functioning from the year 2003 with an intake capacity of 60 students each. The department has well qualified and highly motivated faculty members with various specializations and the laboratories are well equipped with modern state of the art facilities for research work. It contains people from industry and academia young and old all coordinated into vibrant team. The department of EE/EEE and all its laboratories are integrated together in a single building occupying four floors. Apart from all experiments as per syllabus, the labs are aesthetically designed to ensure comfortable working environment along with some unique features. The electrical

drives laboratory contains modules with PC based PLC control. The power system lab contains computer based transmission line trainer and latest solid state digital relays for bus bar and transformer protection and generator protection which is capable of handling industrial workshops. It is proposed to upgrade the facility to a switchgear repairing workshop. The electrical machine design laboratory is being upgraded for motor winding / assembling unit apart from simulation and design.

### About the Department

Department of EE/EEE is functioning as a basic Engineering Department from the inception of the college to cater courses for B.Tech and has thereafter been continuing in imparting quality education in Electrical Engineering and Electrical and Electronics Engineering. The Department has been provisionally accredited (2017 – 2020) by the National Board of Accreditation.

### Vision of the Department

To develop as a Centre of fineness in the field of Electrical Engineering by relentless effort in improving the teaching-learning process by adopting the encroachments in this specialized field of engineering, thereby producing socially responsible and proficient professionals capable of working in multicultural global environment.

### Mission of the Department

1. To divulge eminent technical and professional education by integrating fundamental knowledge in science and engineering to produce skilled and accountable technocrats.
2. To afford coercive environment in national and global perspective for inculcating creative abilities, innovation, entrepreneurship with commitment to society.
3. To develop the Electrical Engineering Department into a silhouette of excellence in teaching, learning and R&D.
4. To improve on teaching and learning process by inculcating discipline, perseverance, effective communication skill, professional ethics for development in real life with an outlook for sustainable social and industrial needs and development.

### Departmental Orientation Day Celebration



Induction Program / Orientation day celebration was organized on during mid-november 2020 pertaining to the COVID-19 pandemic situation. All the events were carried out online with fruitful interaction of the students with the faculty members of the department. The students were also addressed by Director, Principals, Dean, Registrar and Head of all departments.

### Charitable Works/Social Awareness in Collaboration with NSS

During the pandemic the faculty members and staff of SKSGi actively participated in various social welfare programs to help the people in need with day to day essentials like food, clothing and daily rations. In addition the children were provided with necessary materials for studying purposes as well.

### Word from the Alumni

The department of EE/EEE has given immense knowledge related to various fields of electrical engineering. The department provides free GATE coaching classes for the betterment of students. I was associated with many other co-curricular activities like ROBOTICS, NSS etc. These extra works apart from my studies enhanced my interpersonal skills and technical skills. A good number of students get placed every year in several companies. There are certain core companies that visit the campus also. The students get opportunity to do internships in various reputed companies. The teachers are also very helpful and cooperative in almost all respects.

**Ramanuj Bhattacharya (2020 Batch)**