



## 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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#### 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

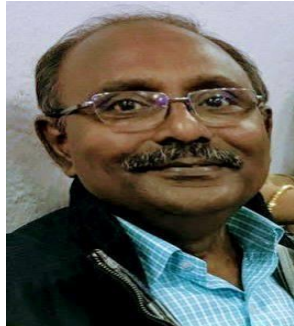
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cater Bachelor and Masters degrees.

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. Finally I wish my team all the very best for sustaining the future prospect of highlighting the achievements of the department via periodic issues of the newsletter.

### 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.

## One Day Seminar on AI



The department of EE/EEE, in the month of April 2019, organized a one day seminar on Recent trends and advancements in the field of Artificial Intelligence as applicable to the present day Engineering scenario.

Four speakers (three external and one internal) from academia and industry delivered their respective lectures so as to help the students comprehend the topic on a first hand basis.

## Teacher's Day Celebration



Teacher's Day is celebrated on the 5<sup>th</sup> of September 2019 on the birth anniversary of Dr. S. Radhakrishnan. The same was done in the Department of EE/EEE with great pomp and show wherein the students gratefully expressed their gratitude to the year-long strife of the faculty members towards shaping their future for the betterment of the society as a

whole. Students welcomed all the teachers with a traditional ritual of Tilak and garlanded the photo of Dr. S. Radhakrishnan.

## Foundation Day Celebration



Bengal College of Engineering and Technology has crossed one more milestone as it celebrated its 19th foundation day on 3rd September 2019 with great zeal and enthusiasm. The celebration started with 'Sarasawati Vandana'. Director, Prof. (Dr.) A. C. Ganguli addressed the dignitaries, faculties and the students highlighting the significant developments since the inception. Students of SKS Group had performed on different cultural activities.

## Orientation Day Celebration



"Induction Program / Orientation day celebration" was organized on 9th August 2019 which is an initiative to groom the overall personality of students and make them acquainted with the culture of the institute. The students were addressed by Director, Principals, Dean, Registrar and Head of all departments along with faculty members.

## Industrial Visits



An industrial visit to Neo Metaliks Limited was organized in November 2019 for the students to provide practical knowledge and exposure to real work environment. Mr. Saradindu Mondal, Assistant Prof. guided the students through the entire process.

## Guest Lecture



A guest lecture was organized by the Department of EE/EEE in the month of November 2019 wherein, Dr. Amit Patra of IIT Kharagpur delivered a talk on DC power processing using VLSI circuits. The students benefited immensely from the highly interactive session and were all praise for Dr. Patra.

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



## Word from the Alumni

As an alumni, I would like to express my heartiest gratitude to my college as well as the department. 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 inter personal skills and technical skills. The placement scenario of this department is also very good. Certain software companies visit our college campus to recruit the students. A good number of students get placed every year in several companies. There are certain core companies that visit the campus. The students get opportunity to do internships in certain reputed companies. The teachers are also very helpful and cooperative in almost all aspects.

**Subhadip Goswami (2011 Batch)**