

MENTORING
The Next_Gen
THINKERS



B.TECH, M.TECH, MCA
PROSPECTUS 2024

DR. B. C. ROY ENGINEERING COLLEGE 
Committed to Excellence in Education

Affiliated to MAKAUT | Approved by AICTE | NAAC
Accredited | NBA Accredited for 5 Courses



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18	Member	Prof (Dr) K. M. Hossain , Vice Principal. Dr. B. C. Roy Engineering College
19	Member Secretary	Prof. (Dr.)Sanjay S. Pawar , Principal, Dr. B. C. Roy Engineering College
20	Invitee Member	Prof. (Dr.) Arindam Mandal , Registrar , Dr. B.C.Roy Engineering College.

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Vision

To transform the institution into a global centre of learning through synergic application of creativity, innovation and discipline.



Mission

- Create ideal ambience for learning and growth.
- Help students inherit value-systems, be creative and agile thinkers.
- Establish discipline, Value-added education and Training & Placement as three core values.
- Building capabilities among students to lead from the front as also be a team player.
- Develop a symbiotic relationship between the institution, society and the community, for mutual betterment.
- Expand the Vistas of higher learning in Technology and Management Areas, including Post-Graduate Studies and Research.
- Encourage global vision and integration with International Best Practices for Local, Regional and National Development.

Quality Policy

Institute is committed to impart quality "Education and Training" that satisfy the requirements of our students in the fields of "Engineering and Computer Applications" and our aim is to be an Institute of Excellence in global terms in the field of quality technical education through continual improvement.

We facilitate our faculty and support staff to update their teaching and skill to match the dynamics of industrial and technological development.

Message from Chief Advisor

It gives me great joy to welcome you to Dr. B. C. Roy Engineering College!



We are a melting pot of cultures, languages and talents, which led the pioneering movement of private engineering education in West Bengal. Cradled on the banks of the Damodar and nestled in the Ruhr of India, BCREC is quietly moving on a steadfast path to national glory. Second only to a prestigious Government aided Institute of Technology in Durgapur, our self-financed institution boasts robust infrastructure, and dedicated erudite faculty and a strong industry connect!

India is poised at an enviable position in the world today. Initiatives like 'Make in India', 'Digital India', 'GeM', have contributed to a robust rupee, international regard. We are now an Autonomous Institute which, make us a top draw for world investment. Withstanding a recession that is sweeping many parts of the world, with sound economic growth, India in general and Bengal in particular makes itself a catchment area for top Tech talent.

There is no denying the role of engineers in shaping our future and as such, we consider it our national duty to help you nurture your passion for engineering.

Let us build a strong India together!

A handwritten signature in black ink that reads "Saikat Maitra".

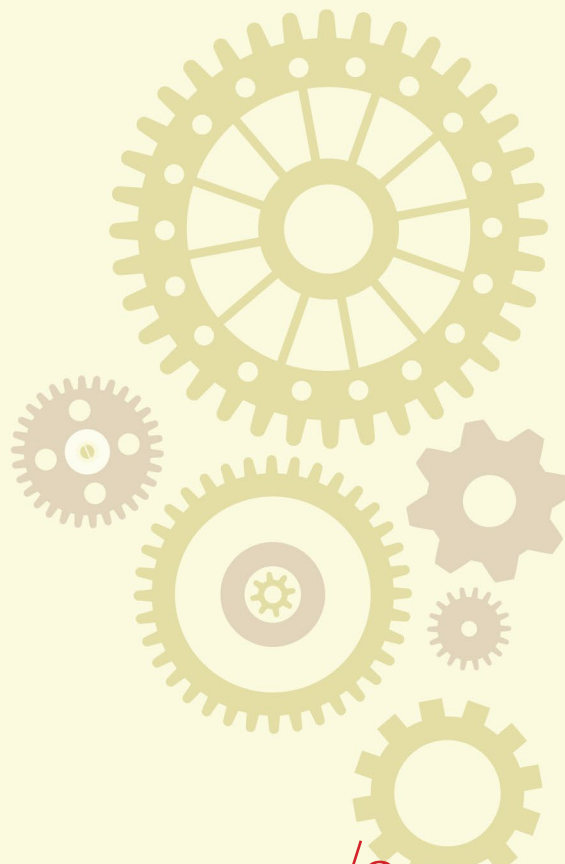
(Professor Saikat Maitra)

Chief Advisor,

Dr. B. C. Roy Society

Former Vice Chancellor

Maulana Abul Kalam Azad University of Technology



Message from The President



Dr. B. C. Roy Engineering College has more than two decades of rich teaching experience, alumni spread all over the world in key positions of top companies of the world, is NAAC & NBA Accredited across 5 disciplines. A strong and dedicated faculty instills a focus to inculcate a culture of research, along with an optimal mix of industry connect, soft, academic, entrepreneurial & core skills. With a 100% placement history across major disciplines over several years, we have introduced several modern courses like Artificial Intelligence, Cyber Security etc. synchronous with the most recent disruptions that have made the world a better place to live in. To keep our students ahead of their times, we are in the process of introducing Quantum Computing courses as an additional option.

Here's wishing you all the very best and God Bless for a bright and successful future to all students.

A handwritten signature in black ink that reads "Satyajit Bose". The signature is fluid and cursive, with a long horizontal line extending from the end of the name.

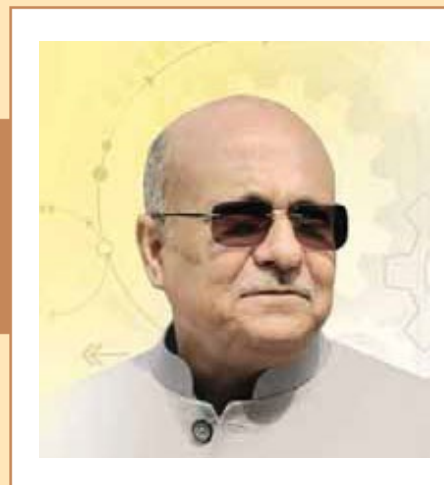
Dr. Satyajit Bose

President,

Dr. B. C. Roy Engineering College & Group of Institutions
& Chairman, The Mission Hospital, Durgapur



Foreword from The **General Secretary**



Dear Students,

Welcome to Dr. B.C. Roy Engineering College, a premier institution in Durgapur, known for its rich industrial heritage and entrepreneurial spirit. Founded in 2000, our college is now offering a wide range of cutting age industry oriented courses like CSE (AIML), CSE (Data Science), CSE (Cyber Security), CSE (CSD) apart from other core subjects. Postgraduate courses like MBA, MCA, and M. Tech are taught in the same campus.

We are proud to have received accreditation from NAAC and NBA for five programs. Our partnerships with industries and the establishment of an AICTE IDEA Lab provide our students with hands-on experience and opportunities for innovation. As we approach our silver jubilee in 2025, we are on the path to autonomy and establishing a new world class university which will be the first of its kind in South Bengal.

Beyond academics, our students engage in extracurricular activities like sports, gymnastics, and cultural performances for their intellectual and personal growth.

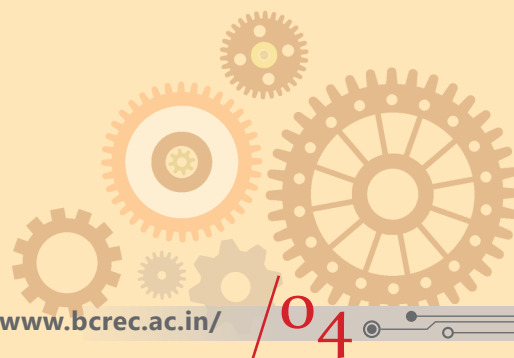
We look forward to welcoming you and supporting your success.

Warm regards,

Tarun Bhattacharya

General Secretary

Dr. B.C. Roy Engineering College



Message from The Principal

Dear Students and Parents,

I have the pleasure to invite you to the metaverse world of learning and professional Developments at Dr. B. C Roy Engineering College (BCREC) Durgapur, an organization known for its excellence in Technological Education. You have a desire for technical education in a particular field of interest and we offer you an opportunity to have a degree in engineering.

Opportunities to study M.Tech, MBA and MCA are available here under the same umbrella. The institution is growing and adapting itself to what is required to produce the best engineering graduates for society. Adaptation comes in the form of offering new technological courses such as Computer Science and Design, Artificial Intelligence, Data Science etc., and all other core engineering programs such as Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics and Communication Engineering, Computer Science and Engineering. All the departments have excellent laboratory facilities for learning and research activities. Adaptation also is in terms of offering an atmosphere to have professional growth to everyone in the Institute, the students as well as staff members. This has been acknowledged by the leading statutory institutions of the Government of India, such as NAAC, NIRF, NBA, and other media houses such as Zee 24 Ghanta.

Our quality in education reflects with NIRF Ranking 2022 and NAAC accrediting the BCREC. NBA has accredited five programmes. The Institute is now conferred autonomous by The University Grants Commission (UGC) & affiliating university, MAKAUT. This reflects and represents hard work and strive for the excellence in the work we do.

To develop freelancing and entrepreneur ideas, we have set up an AICTE IDEA (Innovation, Development, Evaluation and Application) Laboratory. This has various equipment and machinery such as LASER Cutter, CNR Router, 3D scanner, 3D Printer, etc, which can be used for the realization of the proposed products which can be launched in the market. The scheduled training is planned throughout the year for all the students to take benefit from the opportunity. Our approach towards technological growth has taken a new turn by setting up a BCREC Artificial Intelligence and Emerging Technology Foundation in campus. This will add a facility for all the students and faculties to be a part of live projects and training sessions for the Industry. It means we are not only looking for training in the emerging technology for the students but also the Industry professionals. This is a unique opportunity for all the students to experience a corporate culture on the campus itself. It is also expected that the Foundation will start offering the internship to all the students with respect to the projects undertaken in the Industry. The foundation is also ready to offer some of the startup seats in the setup. To inform you all, India is leading in the Unicorn startups, i.e these days India has been leading in the entrepreneur stage and providing solutions to the world. With an interest, desire, and ability to work hard, you could be one of them. The foundation will provide all required setup and mentors for the activities. What's more important is the



campus provides you to interact with the graduates from Management, Academy of Professional Colleges, Pharmacy, and Polytechnic Institute, where you can team up with them with a common interest to start a venture within a campus with the global reach. Zee 24 Ghanta has recognized us for all these efforts by awarding "Excellence in Education, Emerging Technology". This also reflects our commitment for the purpose.

Being an undergraduate/graduate at BCREC offers you various opportunities. Our exclusive placement team with corporate experience is always connected with top-notch companies and offers excellent placement opportunities. Every year we are breaking our own record in terms of placement, one of the important parameters in grading the Institute. You identify your interest in the companies and areas in which you feel interested and the opportunity available. The training team will have various programs to be offered in all domains, and its up to you to identify your interest and grab the opportunities. The training programs are in the area of soft skills and technical skills required in the market. Such programs are offered as per the guidelines and vision of the AICTE. The training department of the Institute is also working on the sessions on training activities of GRE, TOFEL, UPSC, Engineering Services, and many others.

The best student life comes, when you are staying in the best facility on campus. Campus is offering the opportunity with around 1000 students to stay with ultra modern facilities, of sports, Gym etc. Engineering graduates are known for their extracurricular activities in all the facilities and we provide facility and training in this area. It's a must to look into the facilities and grab the opportunity and be a role model Engineer to shine.

I welcome you all to this world of excellence in Education and be a part of the journey to serve the Nation.

Sanjay S Pawar, Ph.D
Principal

The Institute : Overview

Our Inspiration

Dr. B.C. Roy Engineering College Society (BCREC) is named after the legendary physician Dr. Bidhan Chandra Roy, [1882–1962], the second Chief Minister of West Bengal in India, who was a great visionary and a karma yogi. With steely determination, he worked like a crusader and took great pains to build a new West Bengal over the wrecks of a partition torn ravaged state. The Steel city of Durgapur is his dream child and a unique creation of his noble vision.

As a mark of our respect, Dr. B.C. Roy Engineering College is our humble tribute to him.

Brief Background

A Vibrant Centre for Scientific Learning and Growth

The journey began in August 2000 C.E and christened in the name of Bharat Ratna, Dr. Bidhan Chandra Roy, visionary leader of West Bengal.

Today, with around 5000 students in 10 B.Tech and 4 M.Tech programmes, along with MCA. BCREC is one of the most eminent place of learning and growth in the country. Students from different parts of the country, not to speak of West Bengal, select this institution for its unique teaching learning culture where faculty members, technical staff and students converge together in the most enlightened way of mutual trust and respect as contemplated by Tagore long long back and that transforms learning here into a spontaneous activity both in the fields of study and research.

Enriched with around 80 Ph.D holders out of a total of 179 faculties, main takeaway from BCREC is a mind, strong and trained enough for independent thinking, leading to innovation and research including, of course, the capacity to lead in industry situations. In a fast changing economic and industrial scenario, the forward looking, enlightened faculties are ready to adopt the nuances of New Education Policy .

E-Govt Campus

Dr. B.C. Roy Engineering College has been recognized as an e-Govt. Campus by the Engineering Watch (in association with National Informatics Centre, Govt. of India) as one among the 100 prestigious colleges nationwide.

Affiliations, Approvals & Accreditation

• Approved by AICTE, New Delhi • Affiliated to Maulana Abul Kalam Azad University of Technology, West Bengal (Formerly WBUT) • Approved by Department of Higher Education, Govt. of West Bengal • NAAC Accredited •

NBA Accredited for five programmes • AICTE IDEA Lab Approved Institute. • NIRF Rank 2022(201-250) Institute

Medium of Instruction

The medium of instruction and examination is English.

College Timings

Monday to Friday from 10 am to 5.30 pm.

BCREC CAMPUS

Location

Dr. B.C Roy Engineering College is located in a tranquil and conducive ambience creating an ideal learning environment to stimulate intellectual and personal growth. The city is now both an industrial hub as well as educational and health hub. The college is established in an eco-friendly and sylvan surrounding, easily approachable by land-route from tertiary areas of Asansol, Raniganj and Burdwan. Kolkata is 158 km by rail and 186 km by road. Air connectivity is there from Kazi Nazrul Airport located at Andal within a 15 km of Durgapur.

SALIENT FEATURES

- Sprawling Green Campus
- Qualified and Experienced Faculty
- AICTE Leadership in Teaching Excellence (LITE)
- AICTE IDEA Lab
- Need-based Scholarships
- Multipurpose State-of-the-art Auditorium (A.C.)
- Zero tolerance to Ragging
- Separate Standard Hostels for Boys & Girls
- Digital Library with MOOCS & NPTEL
- Virtual Classes & Lab. Sessions
- High achievement in campus placements
- IIT Mumbai Spoken Tutorial

AWARDS & ACHIEVEMENTS

Tech Fest of Kharagpur IIT - MEGALITH

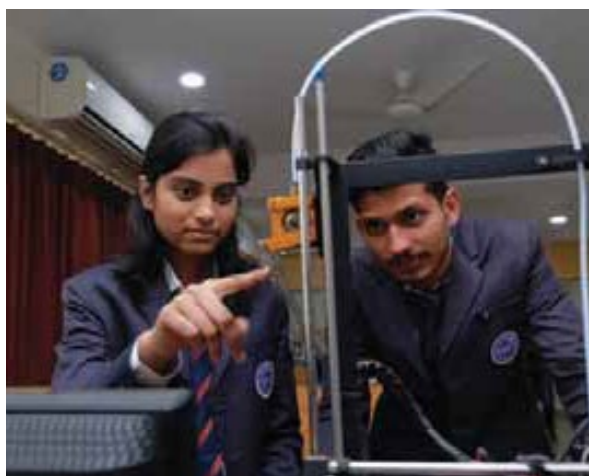
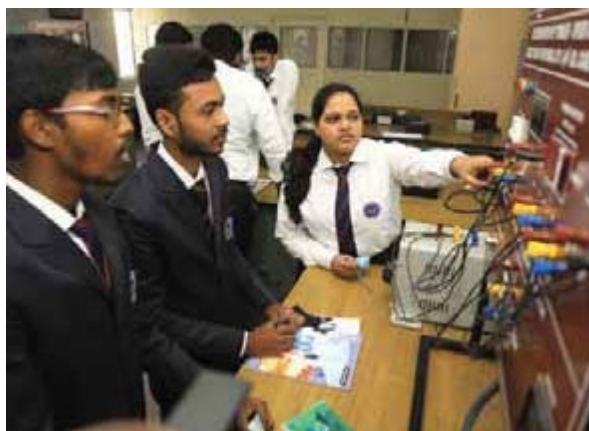
It is a matter of great pride that the students of Dr. B. C. Roy Engineering College have excelled in the Tech Fest of Civil Engineering Dept. of IIT, Kharagpur "MEGALITH" again in 2024 after that in 2023. Thirty students from from the 2nd year and 3rd year of the department of Civil Engineering of Dr. B. C. Roy Engineering College took part in the programme. Surprisingly 1st, 2nd and 3rd, all three positions in Model Competition were won by the students of BCREC in groups.

One group of the students won the third position in the event "INSTRIDGE".

B.TECH (UG programme) - 4 Yrs.		INTAKE
Computer Science and Engineering (NBA Accredited)		180
Computer Science and Engineering (Artificial Intelligence and Machine Learning)		60
Computer Science and Design		60
Information Technology (NBA Accredited)		60
Computer Science and Engineering (Data Science)		60
Electrical Engineering (NBA Accredited)		120
Electronics and Communications Engineering (NBA Accredited)		120
Mechanical Engineering (NBA Accredited)		60
Civil Engineering		60
Computer Science and Engineering (Cyber Security)		60

M.TECH (PG Programme) - 2 Yrs.		INTAKE
Electronics and Communications Engineering		18
Power Systems		18
Mechanical Engineering		18
Computer Science & Engineering		18

MCA (PG Programme) - 2 Yrs.		INTAKE
Masters of Computer Applications		60



COMPUTER SCIENCE AND ENGINEERING (CSE)

NBA Accredited B.Tech Department
(Re-Accredited from 2023 to 2026)

EMAIL
hod.cse@bcrec.ac.in

Contact
9233300909

Under-Graduate Course	Current Intake
B.Tech. in Computer Science and Engineering (4 years)	180

Post Graduate Course	Current Intake
M.Tech. in Computer Science and Engineering (2 years)	18

VISION

To transform the department into a centre of excellence for Computer Science and Engineering, through conscious, meaningful, devoted and determined effort of all the stake holders, by synergistic application of creativity, innovation, discipline and social consciousness.

MISSION

To prepare the students for direct employment in various computer science & computer engineering related careers, pursuit of higher studies and / or research, or entrepreneurship in the field, by imparting them quality and value based education as per the needs of the society.

OVERVIEW

The Department of Computer Science & Engineering (CSE) has been part of the institute since its inception in 2000. The department received its first NBA accreditation for the period 2009-2012 and obtained NBA accreditation for the second time for the period 2016-2019. It was re-accredited by the NBA for the period 2020-2023 and is currently accredited for the third time for the period 2023-2026. The pedagogy followed by the department is outcome-based education and an interactive teaching-learning method. The department offers both undergraduate and postgraduate programs in engineering, with an annual intake of 180 students for the undergraduate program and 18 students for the postgraduate program. The department's laboratories are well-equipped with PCs of the latest configurations. Additionally, the department has a separate library, seminar room, and digital classroom.

The department has well-qualified, highly experienced, and dedicated staff with qualifications from institutes of national and international repute. They possess a unique blend of academic and industry expertise, enabling them to provide students with a well-rounded education that prepares them for real-world challenges. The faculty members actively participate in research and scholarly activities, regularly publishing their findings in peer-reviewed international and national journals and conferences.

The department has an excellent placement record. Students from the department hold positions of responsibility in multinational companies across the globe. Our students are placed in various top MNCs such as Capgemini, TCS, Infosys, IBM, Tech Mahindra, Wipro, Accenture, and Mindtree, among others. Some students also pursue higher studies in India and abroad, with GATE and GRE scores every year. In addition to the academic curriculum, the department encourages students to participate in co-curricular and extra-curricular activities. It organizes symposia, exhibitions, conferences, seminars, and workshops for students and faculty from various technical educational institutions, research scholars, and industries across India. Overall, the department is dedicated to producing highly skilled and successful graduates who are ready to take on the challenges of the real world.



LABORATORIES

- Turing Fundamental Computing Lab
- Aryabhatta Inter-Networking Lab.
- Mahalanobis Software Design Lab.
- Pascal Advanced Programming Lab.
- Hollerith Information Technology Lab.
- Von Neumann Computer Organizationn Lab.
- Project Lab.
- Think-IOT Lab

RESEARCH AREAS

- Artificial Intelligence and Machine Learning
- Human-Computer Interaction and Information Visualization
- Computer Vision and Graphics
- Quantum Computing
- Internet of Things
- Cyber security
- Data Science and Analytics
- Biomedical Informatics
- Cyber-Physical Systems

CAREER SCOPE

Software Developers | Hardware Engineers | System Designer | System Analyst | Networking Engineers | DBA (Database Administrator) | Information Security Analyst

OUR PUBLICATIONS

Description	Total No.
Journal/s	95
Conference/s	152
Book Chapter/s	34
Patent granted/published	12

PROFESSIONAL BODIES

- IEEE Student Branch ■ Member of CSI & Student Chapter
- ACM Student Chapter ■ IE(I) Students Chapter



PROGRAM EDUCATIONAL OBJECTIVES

PEO1 : Graduates of the department are expected to excel in professional careers, and pursue higher education, research, and entrepreneurship by acquiring comprehensive knowledge in core engineering, primarily computer engineering, and also basic sciences and mathematics.

PEO2 : Graduates of the department are expected to abide by the professional code of conduct, follow the principles of financial management, have effective communication skills, be ready to accept leadership roles, and have enough tolerance to act as regular members of multicultural teams working on complex projects.

PEO3 : Graduates of the department are expected to become responsible citizens, conscious of the society, environment, values, and ethics, having the quality to adapt to the fast-changing world through lifelong learning.

PROGRAM SPECIFIC OUTCOMES

PSO1 : Graduates will have strong fundamental knowledge in core topics of each subject of the University curriculum of Computer Science and Engineering.

PSO2 : Graduates will have adequate training for recruitment tests and interviews for Computer Science and Engineering.

PSO3 : Graduates will have an exposure to higher-order problem analysis, and solving skills in core subjects of Computer Science and Engineering.

PSO4 : Graduates will be aware of the basic steps of entrepreneurship in Computer Science and Engineering.



FACULTY

Sl. No.	Name of Faculty	Designation	Highest Qualifications
01	Dr. Arindam Ghosh	Associate Professor & Head	Ph.D
02	Dr.Sanjay S.Pawar	Professor	Ph.D
03	Dr.Sumana Kundu	Associate Professor	Ph.D
04	Dr.Anirban Bose	Asst. Professor	Ph.D
05	Dr.Chandan Das	Asst. Professor	Ph.D
06	Dr.Anandapova Majumder	Asst. Professor	Ph.D
07	Dr. Deepa Naik	Asst. Professor	Ph. D.
08	Hiranmay Samaddar	Asst. Professor.	ME
09	Bappaditya Das	Asst. Professor	M.Tech
10	Suvobrata Sarkar	Asst. Professor	M.Tech
11	Saindhab Chattaraj	Asst. Professor	M.Tech
12	Amitabha Mandal	Asst. Professor	M.Tech
13	Sabbir Reza Tarafdar	Asst. Professor	ME
14	Kalpana Roy	Asst. Professor	M.Tech
15	Biswajit Mondal	Asst. Professor	M.Tech
16	Biswadeb Goswami	Asst. Professor	M.Tech
17	Sanjib Saha	Asst. Professor	M.Tech
18	Sayed Zahir Hasan	Asst. Professor	M.Tech
19	Ruma Ghosh	Asst. Professor	M.Tech
20	Rajib Kumar Mondal	Asst. Professor	M.Tech
21	Joyjit Patra	Asst. Professor	M.Tech
22	Parag Kanti Chattopadhyay	Asst. Professor	M.Tech
23	Susanta Karmakar	Asst. Professor	M.Tech

COMPUTER SCIENCE AND DESIGN

EMAIL
csd@bcrec.ac.in

Contact
9333336958

Under-Graduate Course	Current Intake
B.Tech. in Computer Science and Design (4 years)	60

VISION

To transform the department into a center of excellence for Digital System Design and Engineering by synergistic application of creativity, innovation, discipline and social consciousness of the stakeholders.

MISSION

1. To impart quality education in computer science, digital system design and engineering.
2. To impart ethics, values and a sense of social responsibilities.
3. To encourage creativity, innovative thinking and entrepreneurship.

OVERVIEW

With the penetration and growth of internet & machine intelligence in all realms of life, most industries are increasing their web presence and interactivity with their stakeholders and customers. The demand for incorporating good and intelligent interactive design with rich media is increasing in all enterprises. With increasing focus on user experience, the importance of Interactive Design and Design Methods are also increasing rapidly in IT products and services.

The B.Tech. in Computer Science and Design aims to develop graduates that are not only well versed with computing approaches, tools, and technologies, but are also experienced with Design approaches and new Media technologies and its uses. The program has a set of core courses in Computer Science and Design, and many electives in the emerging areas covering Machine Learning, Data Analytics, state-of-the-art web development, UI/UX design, Virtual/Augmented Reality, Animation/Games design, CAD/3D Printing, IoT/Robotics interfacing that cover almost all the skill domains in Computer Science, Interactive Design and Digital Media which are in high demand in the IT and allied industries. This programme enables the students to choose a curriculum suitable for them to be industry ready. The program will prepare students to work in the IT industry as well as the digital media industry like machine learning, robotics, IoT, animation, game development, virtual/augmented reality, web applications, blockchain, cyber security, etc. The programme will also allow students, who want to pursue higher studies, to take up higher studies in CS/IT or in Design.

To execute our mission with the objective of achieving our vision, we have a dedicated team of well qualified and student friendly faculty members, flexible academic schedule and regular industry-academia interactions.



LABORATORIES

- Graphics Design, Animation and Game Development Lab
- Virtual /Augmented Reality (AR/VR) Lab
- Computer Organization and Digital Lab
- Robotics / IoT Lab
- Programming / Algorithm / Data Structure Lab
- DBMS / Operating Systems Lab
- Python /Data Analytics / Visualization / Machine Learning Lab
- CAD/3D Printing Lab

RESEARCH AREAS

Augmented Reality | Virtual Reality | Digital Twin and Metaverse | Machine Learning applications | Robotics | IoT applications Projects

CAREER SCOPE

Software Developers | AR/VR Professionals | Game/ Animation Developers | Data Scientist | Graphics Designers | Web Designers | Hardware/Robotics Engineers | System/Product Designer | System Analyst | Full Stack Developers

OUR PUBLICATIONS

Description	Total No.
Journal/s	15
Conference/s	20
Book Chapter/s	01
Patent granted/published	00

PROFESSIONAL BODIES

- IEEE Student Branch
- I Member of CSI & Student Chapter
- ACM Student Chapter
- IE(I) Students Chapter

ACHIEVEMENTS:

- a) Landmark Achievements:
DEZINOVA - Students' Professional Club Formed
10 Students doing AICTE Training on Metaverse
- b) Last Year Achievements:
Vandana Verma won Runner Up in MAKAUT Women's TT

PROGRAM EDUCATIONAL OBJECTIVES

PEO1 : Graduates will be able to demonstrate their cognitive thinking in digital system design to cope-up with professional requirements of the Industry, societal needs and research.

PEO2 : Graduates will be able to work, manage and communicate effectively in a team, project and organization with professional values.

PEO3 : Graduates will be able to transform ideas into operational systems through entrepreneurial skills and attitude.

PROGRAM SPECIFIC OUTCOMES

PSO1 : Graduates will be able to demonstrate their skills in Coding, Data Analytics and Visualisation.

PSO2 : Graduates will be able to demonstrate their skills in Graphics design, Animation, Augmented/Virtual Reality, Games and App development and intelligent digital systems.

PSO3 : Graduates will have good exposure on design perspectives and interactive digital system design.

FACULTY

Sl. No.	Name of Faculty	Designation	Highest Qualifications
01	Dr.Raj Kumar Samanta	Professor & Head	Ph.D
02	Dr.Ardhendu Sekhar Chattopadhyay	Asst. Professor	Ph.D
03	Nasim Anjum Haque	Asst. Professor	M. Tech
04	Swadhin Mondal	Asst. Professor	M. Tech
05	Prasenjit Maji	Asst. Professor	M. Tech
06	Monalisa Chakraborty	Asst. Professor	ME
07	Koustav Roy	Asst. Professor	ME



COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

EMAIL

gour.mitrathakur@bcrec.ac.in

Contact

9732087097

Under-Graduate Course	Current Intake
B.Tech. in Artificial Intelligence and Machine Learning (4 years)	60

VISION

To become a leader in the field of Artificial Intelligence, nurturing innovative minds for ground-breaking research and development, fostering entrepreneurial spirit and ensuring employability, while making a positive impact on society through AI technology.

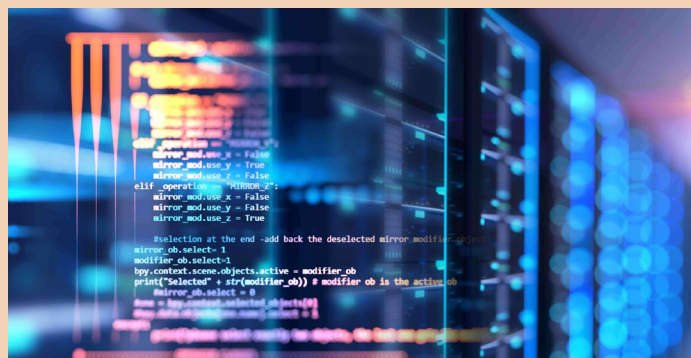
MISSION

- To foster an innovative academic environment that nurtures creative thinking, promotes ground-breaking research in Artificial Intelligence, and cultivates the next generation of global leaders in the field.
- To stimulate entrepreneurial spirit by providing opportunities and resources to develop, refine, and apply their AI skills in innovative and enterprising ways, while ensuring their readiness for an increasingly AI-driven job market.
- To commit to the responsible application of AI technology, ensuring our research and development efforts contribute to the betterment of society, and addressing the ethical, societal and environmental implications of AI.

OVERVIEW

B. Tech in Computer Science and Engineering (Artificial Intelligence and Machine Learning) is a four-year undergraduate programme to provide an advanced learning opportunity for enthusiastic aspirants who wish to contribute to society by satisfying the future industry demands for emerging skills and knowledge.

This course aims at developing a strong engineering foundation through different facets of Artificial Intelligence including statistical and probabilistic models, logics, knowledge engineering, and machine learning. After completion of this course, students will be able to design intelligent solutions for various problems of short-term and long-term societal needs. Students will also have the opportunity to explore the related areas like Natural Language Processing, Deep Learning, Robotics and Computer Vision.



LABORATORIES

- Artificial Intelligence Lab
- Machine Learning Lab
- Soft Computing Lab
- Programming Language and Data Structure Lab
- Modern Computer Organization Lab
- Computer Architecture Lab
- Data Science Lab

RESEARCH AREAS

- Artificial Intelligence
- Embedded AI
- Bio-informatics
- Computer Vision
- FinTech
- AR / VR

CAREER SCOPE

- Machine Learning Engineer
- Data Scientist ■ AI Engineer
- Business Intelligence Developer
- Research Scientist ■ Big Data Engineer
- Robotics Scientist

OUR PUBLICATIONS

Description	Total No.
Journal/s	14
Conference/s	21
Book Chapter/s	02
Patent granted/published	00

PROFESSIONAL BODIES

- Google Developers Student Club (GDSC)

Program Educational Objectives

After few years of graduation, the graduates of B. Tech. AIML will

PEO1 : Be in regular employment in core IT industries or AIML industries or will pursue higher studies or establish start-up companies.

PEO2 : Continue demonstrating life-long learning ability by acclimating to emerging technologies and accepting challenges to serve the nation by solving short-term or long-term societal problems as an individual or as a part of a team.

PEO3 : Demonstrate effective communication skills and exhibit leadership skills for achieving professional advancement without violating any professional code of conduct.

Program Specific Outcomes (PSO)

PSO1 : Graduates will gain a comprehensive understanding of the theoretical and practical principles underlying AI and Machine Learning.

PSO2 : Graduates will develop proficiency in using state-of-the-art tools, frameworks, and technologies such as Python, R, TensorFlow, PyTorch, and others, used in the field of AI and Machine Learning.

PSO3 : Graduates will understand the ethical considerations, societal impact, and legal aspects of AI and ML applications.

FACULTY

Sl. No.	Name of Faculty	Designation	Qualifications
01	Dr. Gour Sundar Mitra Thakur	Asso.Professor & Head	Ph.D
02	Biswajit Saha	Asst. Professor	ME
03	Arnab Banerjee	Asst. Professor	M.Tech
04	Suman Dasgupta	Asst. Professor	M.Tech
05	Atin Mukherjee	Asst. Professor	M.Tech



COMPUTER SCIENCE AND ENGINEERING (Data Science)

EMAIL
cseds@bcrec.ac.in

Contact
9832743350

Under-Graduate Course	Current Intake
B.Tech. in Computer Science and Engineering (Data Science) (4 years)	60

VISION

To better equip students for careers as researchers and experts in data analytics on a worldwide scale, as well as to increase their capacity to contribute to the field of data science by offering comprehensive solutions for societal problems.

MISSION

- To foster a conducive corporate environment by providing cutting-edge infrastructure to compete in a data-driven world.
- To enable students to offer creative and thoughtful solutions using their data analysis skills and the most recent developments in high performance computing
- By encouraging cross-disciplinary thinking that broadens competence in cutting-edge technology and acquires professional ethics, it is possible to construct data-intensive systems through socio-economic aspects.

OVERVIEW

The Department of Computer Science and Engineering (Data Science) has been established in the year 2022. The primary objective of this department is to prepare the students to be industry ready and also to build a quality within the students so that they can come out successfully by joining finest academia in top notch institutes and research/innovation labs. This department offers 4 year UG programme (B. Tech) and the curriculum of this course is designed by looking the foreign university courses so that the students can synchronize themselves with international standards.

This department is one of the finest departments in this region where most of the faculties have past degrees from Foreign Universities/IITs/NITs.

International Work Collaboration: The faculties of the department have active research work collaboration with the top notch universities in USA, Germany, Belgium, UK, Singapore and France.

National Work Collaboration: Apart from International connections, the department has strong research relationship with premiere Indian institutes like IISc Bangalore, ISI Kolkata, IIT Kanpur, IIT Kharagpur, NIT Calicut, NIT Tiruchy, NIT Durgapur, IIST Shibpur and Jadavpur University.

Higher Study Opportunities: Premiere Indian institutes like IITs and IISc have dedicated MS program for data science students. Most of the top-tier world universities including Stanford University, University of Michigan, Harvard University, Columbia University, University of Washington have standalone program in MS-PhD for data science students.



LABORATORIES

- Data Mining Lab
- Data Science Lab
- Big Data Technology and OLAP Lab
- Artificial Intelligence Lab
- Computational Programming Lab
- Data Communication and Computer Networks Lab
- Software Engineering Lab
- Operating Systems Lab
- Computer Organization

RESEARCH AREAS

- Quantum Computing
- Optical Circuit Design
- Evolutionary Algorithm
- Soft Computing
- Citation Network
- Machine Learning
- IoT
- Biomedical Engineering Projects

CAREER SCOPE

- Data Scientist ■ AI Expert| Data Architect
- DBA (Database Administrator) ■ Software Engineers
- Joining Research Innovation Labs ■ Higher studies in top-tier world universities

OUR PUBLICATIONS

Description	Total No.
Journal/s	39
Conference/s	49
Book Chapter/s	05
Patent granted/published	01

PROFESSIONAL BODIES

- ACM Club/Chapter

PROGRAM EDUCATIONAL OBJECTIVES FOR B.TECH.

PEO1 : PREPARATION: To make students competent for higher studies and employable, to meet industrial requirements.

PEO2 : CORE COMPETENCE: To develop students having core competence in science, mathematics and fundamentals of Data Science to address ever-changing industrial requirements globally.

PEO3 : BREADTH: To create academically conducive environment to learn engineering skills in the domains such as Data Analytics, Data Modelling, Data Visualization and Allied Technologies.

PEO4 : PROFESSIONALISM: To enrich students with professional ethics, leadership qualities, and entrepreneurial skills.

PEO5 : LIFE LONG LEARNING: An ability to engage in lifelong learning for effective adaptation to technological developments.

PROGRAM SPECIFIC OUTCOMES (PSOs)

On successful completion of the program, the graduates of B. Tech. CSE (Data Science) will be able to:

PSO1 : Develop the data science, data management, data security, and visualization principles in order to construct intelligent, predictive models,

PSO2 : Solving actual business challenges using understanding of analytics, statistics, and machine learning ideas.



FACULTY

Sl. No.	Name of Faculty	Designation	Highest Qualifications
1.	Dr. Chandan Bandyopadhyay	Associate Prof & Head	PhD, Pdf.
2.	Dr. Saibal Majumder	Asst. Professor	PhD
3.	Sovan Bhattacharya	Asst. Professor	M.Tech
4.	Banasree Chatterjee	Asst. Professor	M.Tech



CSE – CYBER SECURITY

Under-Graduate Course	Current Intake
B.Tech. in CSE-Cyber Security (4 years)	60

EMAIL
csecy@bcrec.ac.in

Contact
9433843907

VISION

Ignite and nurture young learners to provide a sustainable, humane, and research-centric educational platform in the domain of cyber security for building a robust, resilient, and attack-free digital universe.

MISSION

- M1:** Provide committed and competent faculty and educational infrastructure to impart the theoretical and practical foundation of cyber security in the emanating youth.
- M2:** Establish MoUs and Centre of Excellences (CoEs) with Information Technology Sector to provide industry-ready cybersecurity graduates with research instinct imbibed for the sustainable development of young learners.
- M3:** Build collaborative and teamwork-centric project-oriented learning environment, to address global challenges whilst preserving human and ethical values.
- M4:** Encourage young minds to educate society to restore nationwide human safety and security in digital world.

OVERVIEW

The Department of Computer Science and Engineering (Cyber Security) has been established in the year 2024. B.Tech in CSE (Cybersecurity) is designed to address the industry's increasing demand for skilled security professionals in the public and private sector, both in the Data Security and in the Network/Cloud Security domains.

The program covers core computer science subjects as well as cybersecurity specific courses. The emphasis of the program is to nurture students with the knowledge and skills required to secure computers, detect and analyse attacks and threats, respond to attacks, develop security policies, procedures, and standards.

The four-year undergraduate curriculum includes a sound preparation in Basic Sciences, Mathematical Foundations, Cybersecurity, Cryptography and Network Security, Secure Programming and Ethical hacking.

The designed imparts 21st century skills having the following component: Liberal education aspects for all round development, courses that trigger new age skills, project based learning, special topics (hands-on sessions on multiple topics with mentoring from expert), option for MOOC, UG Research Project/Product Development/Internships. The curriculum focuses on Liberal Art Courses, Foundation Courses, Professional Courses, and Electives that help them build expertise in some specialized areas. Curriculum developed, also emphasis on design oriented thinking, Communication, Collaboration and Creativity right from 1st year.

Stanford University, University of Michigan, Harvard University, Columbia University, University of Washington have standalone program in MS-PhD for data science

LABORATORIES

- Data Structure and Algorithms
- Analog and Digital Electronics
- Computer Organization
- IT Workshop (Python/Matlab/R)
- Data Communication and Networks Lab
- Design and Analysis of Algorithm Lab
- System Security Lab
- Operating System Lab
- Object Oriented Programming Lab
- Network Security Lab
- Database Management System lab
- Project lab

CAREER SCOPE

- The Bureau of Labor Statistics has established the demand rate of information security jobs to be 37% from 2012 to 2022.
- NASSCOM reported that India alone would need 1 million cybersecurity professionals by 2020.

A Degree in Computer Science & Engineering (Cybersecurity) can lead to roles in a variety of industries such as Banking & Finance, Education, Government Agencies, and Healthcare, Manufacturing and Retail.

- Information Security Analyst
- Information Risk Analyst
- Cybersecurity Analyst
- Internal Auditor
- Sales – Cyber Product and Services
- Technical Support Engineer
- Network Security Engineer

CAREER PROGRESSION

The career path initially starts as Cybersecurity Analyst whose responsibilities include: monitoring computer systems, looking for anomalies and potential abnormal events, and then escalating them to resolve those anomalies. An analyst monitors network systems and logs to root out anything of concern after which they route it to the appropriate individual on their team. After working as a Cybersecurity analyst for 2-5 years, most Cybersecurity professionals move up to mid-level Cybersecurity roles as architects. Cybersecurity architect roles include Penetration Tester (also known as Pen Testers), Certified Ethical Hacker, and Threat Hunter.

After working as a Cybersecurity Architect for 15 years, most Cybersecurity professionals move up to Senior-level Cybersecurity roles as Senior Manager of IT & Security Compliance, Director of IT Security, Senior Manager, and Senior Director, A Chief Information Security Officer (CISO).

PUBLICATIONS

Description	Total No.
Journals:	47
Conferences:	7
Book Chapters:	2
Patents:	1

PROGRAM EDUCATIONAL OBJECTIVES FOR B.TECH CSE (Cyber Security)

A graduate of Computer Science and Engineering (Cyber Security) will be able to:

PEO1: Be recognized as effective professionals for their applied skills, problem solving capabilities and professional skills in the field of cyber security.

PEO2: Develop themselves as effective communicators that help them for employment in the areas of cyber security and related fields.

PEO3: Incorporate ethical, legal and social implications as outcomes of their profession.

PEO4: Actively engage themselves in activities which

allow for the continuous development of their computing and cyber security skills.

PROGRAM SPECIFIC OUTCOMES (PSOs)

A graduate of Computer Science and Engineering (Cyber Security) acquires ability to:

PSO1: Develop secure software with vulnerability assessment, and security requirements, designed with the least privileges for the protection of digital applications.

PSO2: Evaluate the function of cyber security by identifying the tools and systems to minimize the risk to an organization's cyberspace.

PSO3: Apply machine learning models, methods, and techniques for data analysis, data handling, and data visualization for effective decision-making.



FACULTY

Sl. No.	Name of Faculty	Designation	Highest Qualifications
1.	Dr. Kushal Roy	Assistant Professor	PhD



INFORMATION TECHNOLOGY

NBA Accredited Program

EMAIL
hodit@bcrec.co.in

Contact
7908424838

Under-Graduate Course	Current Intake
B.Tech. in Information Technology (4 years)	60

VISION

To achieve excellence in education towards Employability and Social Responsibility of the graduates.

MISSION

To focus on:

- Continuous Feedback-and-Evaluation-based Teaching and Learning
- Graduate Attribute Mentoring of each student-Ethics and values

OVERVIEW

The Information Technology (IT) Department was established in 2000.

The primary objective is to provide a comprehensive and balanced education in line with the University's curriculum.

Our Specific Thrust areas are:

- Ensuring students excel in all areas of their studies through a maximum focus on an intensive teaching-learning-evaluation process.
- Encouraging highly state-of-the-art innovative projects that explore the latest technologies, and providing opportunities for students to participate in national and international competitive events with their projects.
- The faculty and staff are known for their warmth and readiness to support students.
- Prioritizing a conducive learning environment where every student feels valued.
- Importance of the mental and physical well-being of each student is emphasized.
- The Institute promote regular participation in physical activities such as exercise, sports, and athletics.
- Students are encouraged to practice self-care and maintain their health.
- The aim is to nurture not just academic skills, but also overall well-being, and strive to create authentic global citizens.



LABORATORIES AND OTHER MAJOR FACILITIES

- Programming Lab
- Project and StartUp Lab
- Artificial Intelligence and Data Science Lab
- Internet of Things Lab
- Data Structure and Algorithm Lab
- Database Management Systems Lab
- Computer Organization Lab
- Operating Systems Lab
- Computer Networks Lab

RESEARCH AREAS

- Artificial Intelligence and Data Science
- Wireless Networks and Internet of Things
- Cyber security

CAREER SCOPE

- Systems Analyst and Designer,
- Artificial Intelligence Engineer, Data Scientist
- Software Developer
- Networking Engineer
- Database Administrator

OUR PUBLICATIONS

Description	Total No.
Journal/s	53
Conference/s	52
Book Chapter/s	15
Patent granted/published	02

PROFESSIONAL BODIES

- CSI, Google Developers, IoE, IEEE, ACM, IETE, CodeChef

INDUSTRY INTERACTIONS

There are periodical interactions with industry personnel in online or physical mode on the latest employability skills and trends.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

PEO1: Graduates are expected to be in regular engagement in service / higher studies / entrepreneurship within one year of graduation.

PEO2: Graduates are expected not to violate values, ethics and professional code of conduct.

PEO3: Graduates are expected to have understanding and motivation about entrepreneurship.

PROGRAM SPECIFIC OUTCOMES:

PSO1: Graduates will have strong fundamental knowledge in core topics of each subject of the University curriculum of Information Technology.

PSO2: Graduates will have adequate training for recruitment tests and interviews for the Information Technology industry.

PSO3: Graduates will have exposure to higher-order problem analysis & solving skills in core subjects of Information Technology.

PSO4: Graduates will be aware of the basic steps of entrepreneurship in Information Technology.



FACULTY

Sl. No.	Name of Faculty	Designation	Highest Qualifications
01	Dr.Suman Bhattacharjee	Associate Professor & HOD	Ph.D
02	Dr. Moumita Pradhan	Asst. Professor	Ph.D
03	Dr. Dinesh Kr. Pradhan	Asst. Professor	Ph.D
04	Manas Kumar Roy	Asst. Professor	ME
05	Prabal Kumar Sahu	Asst. Professor	ME
06	Md. Keramot Hossain Mondal	Asst. Professor	M.Tech
07	Paramita Manna	Asst. Professor	ME
08	Priyanka Roy	Asst. Professor	ME
09	Ramprasad Chakraborty	Asst. Professor	M.Tech
10	Sandip Chakraborty	Asst. Professor	M.Tech
11	Amit Kr. Mukherjee	Asst. Professor	M.Tech



ELECTRICAL ENGINEERING

NBA Accredited Department

EMAIL

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Contact

9474538922

Under-Graduate Course	Current Intake
B.Tech. in Electrical Engineering (4 years)	120

Post Graduate Course	Current Intake
M.Tech. in Power Systems (2 years)	18

VISION

To create a strong teaching, learning, innovation and research environment with inclusive improvement of students and global participation so that the institute is regarded as global center of learning through meaningful, devoted and determined efforts of all stakeholders.

MISSION

- Excelling in professional career and/or higher education and research in developing innovative technologies by acquiring sound knowledge in basic sciences, professional cores and interdisciplinary subjects of electrical engineering.
- Imparting meaningful learning centric education in both professional core and inter disciplinary subjects with latest advancement to bridge the gap between industry and academia.
- Inculcating a deep sense of organizational behaviour, financial management, values, ethics, societal responsibilities and environmental awareness.
- Developing communication skills in the students to help them adopt and contribute more under diverse and dynamic working climates.

OVERVIEW

The Department was established in year 2000, and offers B.Tech. in Electrical Engineering and M.Tech in Electrical Power System. The department is equipped with seven hardware labs, four software labs, one project Centre (Tesla Project Lab.), a departmental library, lecture halls (including digital class room) and one conference room.

Department organizes technical seminars, Industrial training programs, (both online lectures by leading Technocrats from industry and actual practical training in industry) short visits to industry for technical exposure of students on regular basis. EE department has a team of highly qualified and experienced faculty members and technical assistants. Department provides an ideal ambience for learning and growth. The students are trained to face challenges of 21st century. They are well placed in leading industries, (Private, Government and MNCs) premier teaching Institutes, research labs and consultancies in India and abroad.



LABORATORIES

- Basic Electrical Engineering Lab
- Instrumentation Lab
- Power System Lab
- Control Systems Lab
- Electrical Machine Lab
- Electrical Drives Lab
- Power Electronics Lab
- Simulation Labs

RESEARCH AREAS

- Renewable Energy
- Magnetic Levitation
- Micro Grid
- Electric Vehicles
- Bio Medical Instrumentation
- Control & Power Electronics
- Power System Analysis

CAREER SCOPE

- Software Developers
- Hardware Engineers
- System Designer
- System Analyst
- Power Sector

OUR PUBLICATIONS (2023-24)

Description	Total No.
Journal/s	31
Conference/s	43
Book Chapter/s	22
Patent granted/published	03
Government Sponsored Project	02

PROFESSIONAL BODIES

- Institution of Engineers : Students Chapter

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1 : Empowering students with a comprehensive theoretical knowledge and practical skills to solve real life problem in the domain of electrical engineering and providing a conducive environment to ignite the creative minds to develop some state-of-the-art tools and technologies.

PEO 2 : To keep the students abreast with current trends and future frontiers of emerging technologies in order to adopt with changing industrial environment.

PEO 3 : To follow the professional code of conduct, inculcate values and ethics and to know the norms of financial management.

PEO 4 : To develop sound communication skills and to promote a cooperative spirit to work in group.

PEO 5 : To motivate and support students towards startups and entrepreneurship by starting a startup club/chapter in Department.

PROGRAM SPECIFIC OUTCOMES:

PSO 1 : Identify, formulate and solve various real time problems of Electrical Machines, Power System, Control System, Power Electronics and Electrical Drives, Microprocessor, Digital Signal Processing and other interdisciplinary subjects with the knowledge of basic science and engineering science as prerequisites, design various types of machine and power system components with cost

minimisation, explain Indian Electricity Rules, Energy Acts for safety of society, tariff and energy savings.

PSO 2 : Perform laboratory experiment in a group using various electrical technologies, both modern hardware and software tools like MATLAB, Mi-Power used in industry and prepare reports tabulating & analyzing the results/ data, drawing the circuit diagram & graphs to enable the documentation capability and solve engineering problems using programming languages like C, C++, JAVA which will help them in being recruited by software industries.

PSO 3 : Carry out project on new age technologies like renewable energy sources, power quality, energy management/savings, smart grid, wireless system, automatic control system, embedded systems based on modern technologies like IoT and defend their project work in front of experts which help in developing the capability of doing team work, satisfying the requirement of the present day working environment.

PSO 4 : Communicate; write term paper integrating various information in standard format to that of a research paper for effective & life-long learning, present seminar on recent developments in engineering & technology, fulfilling social, behavioural, managerial, ethical & cultural requirements.

FACULTY

Sl. No.	Name of Faculty	Designation	Highest Qualifications
01	Dr. Susanta Dutta	Professor & HOD	Ph. D
02	Dr. Arindam Mondal	Professor	Ph.D
03	Dr. Sumit Banerjee	Professor	Ph.D
04	Dr. Dola Sinha	Associate Professor	Ph.D
05	Dr.Sibendu Mahato	Associate Professor	Ph.D
06	Dr. Tapan Kumar Chattopadhyay	Asst. Professor	Ph.D
07	Dr.Chaity Sarkar	Asst. Professor	Ph.D
08	Dr.Tushnik Sarkar	Asst. Professor	Ph.D
09	Dr. Sourav Paul	Asst. Professor	Ph.D
10	Dr. Sanjoy Kumar Saha	Asst. Professor	Ph.D
11	Dr. Sneha Sultana	Asst. Professor	Ph.D
12	Dr. Bijoy Laxmi Koley (Midya)	Asst. Professor	Ph.D
13	Dr. Kamalika Tiwari	Asst. Professor	Ph.D
14	Dr.Ritu Rani De Maity	Asst. Professor	Ph.D
15	Dr.Soumen Mallick	Asst. Professor	Ph.D
16	Dr.Chandan Paul	Asst. Professor	Ph.D
17	Dr.Kingsuk Majumdar	Asst. Professor	Ph.D
18	Dr.Soumen Biswas	Asst. Professor	Ph.D
19	Dr.Soham Dey	Asst. Professor	Ph.D
20	Basudeb Mondal	Asst. Professor	M.E
21	Dipak Kumar Dhak	Asst. Professor	M.Tech
22	Siddhartha Ghosh	Asst. Professor	M.Tech
23	Sunil Kr. Choudhary	Asst. Professor	M.Tech
24	Snehashis Ghoshal	Asst. Professor	M.Tech
25	Mou Das Mahapatra	Asst. Professor	M.Tech
26	Saradindu Mondal	Asst. Professor	M.Tech
27	Adhit Roy	Asst. Professor	M.Tech

ELECTRONICS AND COMMUNICATIONS ENGINEERING

NBA Accredited Department
(Re-Accredited from 2023 to 2026)

EMAIL
hodece@bcrec.ac.in

Contact
9434334966

Under-Graduate Course	Current Intake
B.Tech. in Electronics & Communications Engineering (4 years)	120

Post-Graduate Course	Current Intake
M.Tech. in Electronics And Communications Engineering (2 years)	18

VISION

To aspire to be a premier department imparting world class technical education in tune with industry requirements, inculcate research motivation through academic excellence.

MISSION

- The mission of the department is to create and provide state-of-the-art infrastructure and a facilitating environment for quality education.
- It aims to promote high standards of professional ethics, transparency, and accountability, ultimately leading to a strong foundation in Electronics and Communication Engineering and the underlying mathematics and science.
- The department fosters an environment that combines engineering practice, encourages collaborative research, and cultivates partnerships with industries.

OVERVIEW

The department of ECE is going to celebrate its glorious 25th anniversary which started its journey from the inception of the institute in 2000. Since its establishment, the department has been dedicated to imparting quality education, training, and research in various areas of electronics and communication engineering. The first year B-Tech intake increased from 60 to 120 in 2009. The department also started a postgraduate (M-Tech) in Communication Engineering in 2007. The department is nationally recognized for being accredited by the NBA three times.

With the guidance of academically brilliant, dedicated, and experienced 30 professors (18 of them having PhDs) from Institute of eminence and having access to research in emerging fields, academically students acquire the skills necessary to excel and become competent at national and international level.

ECE students are placed in globally renowned companies across a wide range of domains because they are trained in well-equipped hi-tech laboratories (both hardware and software) with project incubation facilities and a course curriculum that closely matches industry requirements. Students' achievement coupled with a consistent and outstanding placement record, with a high package has always been the pride of the ECE department.

Students are motivated to do research activities in advanced technologies which enhance their passion to perform higher studies in India and abroad. Faculty and students frequently publish their research work in reputed journals, conferences, and book chapters, and have research collaborations with reputed industries and institutions in India and abroad.

Smart & ICT-based classrooms with Wi-Fi connectivity are the strong backbone of the ECE department that enables a high level of teaching and learning. Students are undergone proper career guidance and counselling through skill development programs such as value-added and industrial training offered by departmental training and placement coordinator and the central TPO cell. With this effort the department has always consistent and outstanding placement record with a high package. The number of placed students in ECE has been the highest over the last 3-4 years.



LABORATORIES

- Solid State Devices Simulation Lab
- Analog & Digital Electronics Lab
- Digital Signal Processing Lab
- Microwave Engineering Lab
- Analog Communication Lab
- Digital Communication Lab
- Digital System Design Lab
- Computer Network Lab
- Basic Electronics Lab
- RF & Microwave Lab
- Electronic Design Lab
- Project Lab

Advance Industry Sponsored/Research Lab:

- Texas Instrument Innovation Lab develop by Texas Instrument, USA.
- VLSI Center for Excellence in Association with Xilinx USA & CoreEL Technologies, Bangalore.
- Digital VLSI Simulation & Reconfigurable Computing Lab.

RESEARCH AREAS

- Analog & Digital VLSI Devices and Circuits
- 5G/6G
- Microwave Antenna & Devices
- Hardware Security
- Machine Learning
- Control System
- Wireless IoT
- Networking
- Digital Twin

CAREER SCOPE

- Wireless and Mobile Communication
- Embedded VLSI and Tera-HTz
- Microwave Devices

OUR PUBLICATIONS

Description	Total No.
Journal/s	24
Conference/s	35
Book Chapter/s	10
Patent granted/published	03
Books	03

PROFESSIONAL BODIES

- IEEE-Student Branch ■ IET Student Branch

ACHIEVEMENTS

- Toppers in NPTEL in all India based Examination
- Fund Raised from AICTE under MODROB Scheme in 2022-23

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1 : Core Proficiency & Technical Accomplishments

Graduates of Electronics and Communication Engineering department are expected to excel in professional career by acquiring knowledge in fundamentals in the field of Electronics and Communication Engineering leading to in-depth technological knowledge.

PEO 2 : Professional Development & Professionalism

Graduates of ECE department are expected to have skills in Mathematics, Science, Economics, Management, allied studies and abide by the sense of responsibility, professionalism, team work and ethical values which will help to develop a symbiotic relationship between the Institution, society and community.

PEO 3 : Learning Environment

Graduates of ECE department are expected to become a good citizen, conscious of society and environment with ethical attitude having quality to adapt in the fast changing society by lifelong learning through higher studies, quality technological research and career either in Industry or entrepreneurship

PROGRAM SPECIFIC OUTCOMES

PSO 1 : (Engineering Knowledge and Analysis): Analyze specific engineering problems relevant to Electronics & Communication Engineering by applying the knowledge of basic sciences, engineering mathematics and engineering fundamentals.

PSO 2 : (System Design): Design electrical, electronics and communication systems containing electrical/electronic devices, software, and hardware using the significant analytical knowledge in Electronics & Communication Engineering and Computer Sciences, and applying modern tools.

PSO 3 : (Application of the knowledge on society/ environment): Apply the contextual knowledge of Electronics and Communication Engineering to assess societal, environmental, health, safety, legal and cultural issues with professional ethics and function effectively as an individual or a leader in a team to manage different projects in multidisciplinary

FACULTY

Sl. No.	Name of Faculty	Designation	Highest Qualifications
01	Dr. Mrinmoy Chakraborty	Associate Professor & HOD	Ph.D
02	Dr. Narendra Nath Pathak	Professor	Ph.D
03	Dr.Khondekar Mofazzal Hossain	Professor	Ph.D
04	Dr. Tapas Mondal	Associate Professor	Ph.D
05	Dr. Tribeni Prasad Banerjee	Associate Professor	Ph.D
06	Dr. Aloke Saha	Associate Professor	Ph.D
07	Dr.Rajdeep Ray	Dean(SW) & Asst. Professor	Ph.D
08	Dr.Rajib Banerjee	Associate Professor	Ph.D
09	Dr.Sourav Moitra	Asst. Professor	Ph.D
10	Dr.Ankita Mitra	Asst. Professor	Ph.D
11	Dr.Abhijit Banerjee	Asst. Professor	Ph.D
12	Dr.Aritra Bhowmik	Asst. Professor	Ph.D
13	Dr.Anup Kr. Das	Asst.Professor	Ph.D
14	Dr.Anirban Chattopadhyay	Asst.Professor	Ph.D
15	Dr.Debipriya Dutta	Asst. Professor	Ph.D
16	Keka Hajra	Asst. Professor	M.Tech
17	Dipta Chaudhuri	Asst. Professor	M.Tech
18	Moutusi Mondal	Asst. Professor	M.S
19	Nilkamal Bhunia	Asst. Professor	ME
20	Pradipta Sarkar	Asst.Professor	M.Tech
21	Tapas Roy	Asst. Professor	M.Tech
22	Subhadra Deb Roy	Asst.Professor	M.Tech
23	Surajit Batayabal	Asst.Professor	M.Tech
24	Samujjal Ray	Asst. Professor	M.Tech
25	Moloy Mukherjee	Asst.Professor	M.Tech
26	Soumendra Pain	Asst.Professor	M.Tech

MECHANICAL ENGINEERING (ME)

NBA Accredited Department
(Re-Accredited from 2023 to 2026)

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chandan.chattoraj@bcrec.ac.in

Contact
9531591525

Under-Graduate Course	Current Intake
B.Tech. in Mechanical Engineering (4 years)	60

Post-Graduate Course	Current Intake
M.Tech. in Mechanical Engineering (2 years)	18

VISION

To produce professionally competent engineers to cater to the needs of the industry, society and nation.

MISSION

To provide excellent opportunity for producing professionally competent engineers with the sense of social and moral responsibility by creating value added teaching and motivation for research.

OVERVIEW

Mechanical Engineering Department, established in the year 2003, produces graduates who can meet the needs of rapidly changing industry which demands new skills and knowledge of modern technology. The Department offers B.Tech. in Mechanical Engineering and M.Tech in Mechanical Engineering. The Computer Laboratory was established for teaching computer aided design and analysis of devices using various software like AutoCAD, Creo, ANSYS etc. The department is facilitated with high-speed internet connection for acquiring knowledge from the web. Undergraduate students get opportunity to involve themselves in high-end research work to build skills beyond curriculum. In addition to classes, the Department organizes regular visiting lectures delivered by Industry Experts and arranges industrial visits for both faculty and students. Postgraduate scholars are engaged in high-end research and publication activities.

Mechanical Engineering Department is the stronghold of highly qualified and industry-experienced faculties having their degrees from IITs, NITs, IEST, Jadavpur University and other leading universities in India. The faculty members continuously update themselves through research, consultancy activities and through exposure visits, academic development programmes, etc.

Students of this department are placed in leading Industries and also in Government organizations like IOC, SAIL, BHEL, Indian Railways, etc. Some of the ME students are pursuing their higher studies in IITs, NITs, etc. through GATE and also in foreign universities through GRE and TOEFL



LABORATORIES

- Engineering Graphics Lab
- Fluid Mechanics & Fluid Machinery Lab
- Thermal Engineering Lab
- Applied Thermo Dynamics & Heat transfer Lab
- Measurement Lab
- Mechatronics Lab
- Internal Combustion Engine Lab
- Computer Lab
- Dynamics of Machine Lab
- Measurements & Instrumentation Lab
- Machine Drawing & Design Practice Lab
- Advanced Manufacturing Lab
- Applied Mechanics Lab
- Manufacturing Process Lab
- Material Testing Lab

RESEARCH AREAS

- Drone ■ Renewable energy lab
- Robotics ■ Composites ■ Electric Vehicles.

CAREER SCOPE

- Mechanical Engineer ■ Aerospace Engineers
- Automotive Engineers ■ Maintenance Engineers
- Hydraulic Engineers ■ Others in IT Industries too

OUR PUBLICATIONS

Description	Total No.
Journal/s	110
Conference/s	80
Book Chapter/s	20
Patents	3

PROFESSIONAL BODIES

- Institute of Engineers (India)
- Robotics Club



PROGRAM EDUCATIONAL OBJECTIVES

PEO 1 : To provide conducive learning environment and quality technical education emphasizing the mathematics and science fundamentals related to mechanical engineering program to achieve professional excellence.

PEO 2 : Graduates should prepare themselves for carrying out higher studies and quality technological research & development skills to keep pace with the current technological trends through out the career, either in industry or in entrepreneurship and be ready to take leadership roles & capable of working as a member of multi disciplinary team.

PEO 3 : To foster a sense of responsibility, professionalism, team work and ethical values by developing skills in, management and allied studies through well balanced courses which will help to develop a symbiotic relationship between the institution, society and the community.

PROGRAM OUTCOMES

- Graduate will possess strong fundamental knowledge on applied mathematics, applied sciences and foundational engineering concept for application in discipline.
- Graduate will develop confidence and will be able to design and conduct experiment on it as well as to analyze the problem and interpret data.
- Graduate will have the ability to design components, fluid & thermal systems, manufacturing processes and conduct testing experiment on it and interpret data for its development to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety.
- Graduate will possess fundamental knowledge and will have the ability to investigate complex problems with multi-disciplinary team effort.
- Graduate will possess knowledge of using modern tools eg. CAD/CAM and other Mechanical Engineering software

like inventor, Auto-CAD, CREO & ANSYS and have the ability to apply their knowledge from these for the solution of mechanical engineering problems.

- Graduate will be able to provide engineering solution, design solution which are society friendly and in this context graduates will also be able to analyze the local and global impact of engineering on society.
- Graduate will be able to develop an environment friendly and cost effective new system and also have serious concern for the society.
- Graduate will learn the ability to understand the professional and ethical responsibilities.
- Graduate will learn the ability to function individually and in multidisciplinary teams to solve complex engineering problems by mutually sharing the knowledge with other team members.
- Graduate will be able to communicate effectively in both verbal and in the written form.
- Graduate will possess managerial skills and also have the knowledge of contemporary issues and will be able to perform in a project team. Graduate will gather the ability to calculate the average cost of component, system and are capable of handling the project financially.
- Graduate will develop confidence for self and have the ability to engage in life-long learning.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO-1: Inspiring students and preparing them for successful professional careers by applying the knowledge of applied science and fundamental Mechanical Engineering core subjects and advanced Mechanical Engineering software.

PSO-2: Ability to co-ordinate and communicate in groups by diversifying their knowledge domain in different engineering disciplinary area.

FACULTY

Sl. No.	Name of Faculty	Designation	Highest Qualifications
01	Dr. Chandan Chatteraj	Professor & HOD	Ph.D
02	Dr. Kanchan Chatterjee	Professor	Ph.D
03	Dr. Subrata Samanta	Associate Professor	Ph.D
04	Dr.Arijit Banerjee	Associate Professor	Ph.D
05	Dr.Subhas Chandra Moi	Asst. Professor	Ph.D
06	Dr. Manoj Kundu	Asst. Professor	Ph.D
07	Dr.Rupali	Asst. Professor	Ph.D
08	Dr.Rajeev Ranjan	Asst. Professor	Ph.D
09	Dr.Pabitra Kr. Mandal	Asst. Professor	Ph.D
10	Suman Karmakar	Asst. Professor	M.Tech
11	Subhajit Bhattacharya	Asst. Professor	M.Tech
12	Chitta Sahana	Asst. Professor	M.Tech
13	Arka Banerjee	Asst. Professor	M.Tech
14	Siddhartha Bhowmick	Asst. Professor	M.Tech
15	Rakesh Biswas	Asst. Professor	M.Tech
16	Deepak Kumar	Asst. Professor	M.Tech
17	Koushik Chatterjee	Asst. Professor	M.Tech

CIVIL ENGINEERING (CE)

Under-Graduate Course	Current Intake
B.Tech. in Civil Engineering (4 years)	60

VISION

To excel as a premier global center for civil engineering education, fostering creativity, innovation and discipline, and producing highly employable, ethically responsible professionals who drive societal progress and field advancements.

MISSION

- To provide a great platform for learning by offering a variety of subject choices covering broad frontier areas of civil engineering.
- To inculcate in students a commitment to ethical and sustainable engineering practices, social responsibility and foster leadership qualities.
- To collaborate with industry and academia for achieving excellence in research, consultancy and entrepreneurship developments.
- To develop and maintain quality education through active collaboration with all stakeholders, including students, teachers, industry, alumni, and renowned academic and research institutions

OVERVIEW

The department of Civil Engineering was established in the year 2010 and the first batch graduated in the year 2014. The department has highly qualified faculty members who are dedicated for quality education to students. The laboratories of the department are well equipped for undergraduate level of studies. A project lab is being established looking at the recent needs in Civil Engineering where students will be able to do hands on project. Since its inception the department has produced quality students who are presently doing well in their professional life in different areas of Core Civil Engineering, Software Engineering, Government Services and different other allied sectors. Department encourages students to pursue higher studies in different areas of Civil Engineering after qualifying GATE examination, MBA and studying abroad. Department has MoU with NHAI where paid internship opportunities are available. Department has well connected established relationship with various other companies and Government organizations where internship/ industrial training opportunities are created for the students. Department organises regular site visit / industrial visit for students to provide the students with the feel of practical & industry exposure from second year onwards. There are established student chapters in the department where the students are encouraged to become member and showcase their technical and managerial skill through organising different events. Since its inception the department is trying its best to improve the quality of education such that the students get the best kind of placement opportunities..

EMAIL

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Contact

7908017716



LABORATORIES

- Solid Mechanics Lab
- Surveying and Geomatics Lab
- Fluid Mechanics Lab
- Engineering Geology Lab
- Soil Mechanics Lab
- Concrete Technology Lab
- Computer Aided Drawing Lab
- Water Resource Engineering Laboratory
- Environmental Engineering Lab
- Material Testing Lab
- Project Laboratory
- Highway & Transportation Engineering Lab

RESEARCH AREAS

- Structural Engineering
- Structural Health Monitoring
- Concrete Technology & Sustainable Development
- Geotechnical Engineering
- Transportation & Traffic Engineering
- Environmental Engineering ■ 3D Printing

CAREER SCOPE

Assistant & Sub-Assistant Engineer in Government Sectors | Site Engineer | Design Engineer | Quality Control in Civil Engineering Works | Estimation & Valuation | BIM & GIS Expert | Certified / Licensed Civil Engineer | Civil Infrastructure Auditor & Safety Manager | Software Developer | Higher Studies (M. Tech, MBA, MS etc.)

OUR PUBLICATIONS

Description	Total No.
Journal/s	87
Conference/s	84
Book Chapter/s	44

PROFESSIONAL BODIES

Institution of Engineers (Student Chapter) | Indian Earthquake Engineering Society (Student Chapter – formation under progress)

ACHIEVEMENTS:

Landmark Achievements:

- MoU with leading industries and Government bodies (e.g. NHAI, CSIR-CMERI)
- Student went to Columbia University for MS
- Students getting chance for admission to IITs, NITs, IIST for M.Tech after qualifying GATE examination
- Students get qualified various Government Jobs e.g. WBPSC, BPSC, RRB, JPSC etc.
- Associated with professional bodies e.g. IEI, IGS (Kolkata Chapter), Member of Indian Society for Earthquake Testing (ISET)

Last Year Achievements:

- More than 75% students are placed in core and software companies.
- 20% students received multiple job offers.
- Paid internship for 20 students offered by NHAI.
- First and Second Prizes in Model Competition of IIT Kharagpur Tech Fest Megalith 2024, India's biggest tech fest for Civil Engineering.
- The Students represented at Inter College Basketball Tournament at Imphal.

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1 : Graduates will be able to practice civil engineering in construction industry, public sector undertaking and Government sector or as an entrepreneur for successful professional career.

PEO 2 : Graduates will be able to pursue higher education for professional development.

PEO 3 : Graduates will be able to exhibit leadership qualities with demonstrable attributes in lifelong learning to contribute to the societal needs.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO 1 : Graduates will have strong fundamental knowledge in core topics of each subject of the University curriculum of Civil Engineering.

PSO 2 : Graduates will have the ability to describe, analyse, and solve problems using mathematics and systematic problem-solving technique for core subjects of Civil Engineering.

PSO 3 : Graduates will be able to patronize higher studies and technological practice in Civil Engineering.

PSO 4 : Graduates will be able to keep pace with the modern construction techniques and management tools of Civil Engineering, either in industry or through entrepreneurship.

FACULTY

Sl. No.	Name of Faculty	Designation	Highest Qualifications
01	Dr. Sanjay Sengupta	Professor & HOD	Ph.D
02	Dr. Shovan Roy	Asst. Professor	Ph.D
03	Dr. Sayantan Dutta	Asst. Professor	Ph.D
04	Dr. Arijit Kr. Banerji	Asst. Professor	Ph.D
05	Md. Hamjala Alam	Asst. Professor	M.Tech
06	Chanchal Das	Asst. Professor	ME
07	Amit Kotal	Asst. Professor	M.Tech
08	Anupam Kumar Biswas	Asst. Professor	M.Tech
09	Pranoy Roy	Asst. Professor	M.Tech
10	Soumyadip Das	Asst. Professor	ME
11	Koyndrik Bhattacharjee	Asst. Professor	M.Tech



BASIC SCIENCE AND HUMANITIES

EMAIL
bsh@bcrec.ac.in

Contact
9434353309

VISION

To transform the department into a global center of learning through synergic application of understanding, creativity, innovation and discipline.

MISSION

- Our core mission is to educate, inside and outside the classroom to achieve excellence in education and train the leaders of tomorrow.
- To encourage discipline, societal value system and sense of national glory.
- To provide supportive environment to nurture the creative and innovative ideas amongst the pupil.

OVERVIEW

The very foundation of an engineering student is laid with his/her knowledge in the basic science which includes mathematics, physics, and chemistry. Apart from technical knowledge base, an individual aspires to be an ideal professional through strengthening his ideologies to emerge as a successful human being. Alongside the knowledge of basic science application, humanities and communication make skills him a complete engineering professional in all aspects. The department of Basic Science and Humanities at BCREC provides the students an appropriate platform for enhancing their basic knowledge skills in mathematics, physics, and chemistry as well as train them in professional english communication and corporate business etiquettes which help them grow up and mature with an ideal ethical understanding and value judgement. The department provides well-equipped labs to make the students excel in the various applications of physics, chemistry and mathematics in engineering. The department caters to the basic need of language development of the students for excelling in communication through business communication classes and focusses on honing the soft skills of the students through specially equipped language laboratory to make them successful not only during campus recruitment but also in every sphere of their professional life.

History bears witness to the facts that mathematics is the most important area in natural sciences and engineering. Applied mathematics is a branch of mathematics that deals with the mathematical methods that find its application in science, engineering, business as well as corporate industrial sectors with a host of academically excellent faculty members; the department caters to the students with the application of advanced analytical methods through operations research to help them make better decisions.



Engineering Physics is the study of the combined disciplines of physics, engineering and mathematics in order to develop an understanding of the inter relationship of these three disciplines. The department of physics provides the platform to understand the broad applications of fundamental physics when combined with problem solving and engineering skills.

The department of chemistry engages in the application of chemistry in engineering by enriching the students with the knowledge of chemistry and chemical reaction that is required in the design and subsequent production of power generating equipment

LABORATORIES

- Physics Lab
- Chemistry Lab
- Numerical Lab
- Language Labs
- Khorana Research Lab

RESEARCH AREAS

- Natural Products
- Photovoltaic Cell
- Nanotechnology
- Polymer science
- Optimisation technic
- Renewable Energy
- Waste Management
- Linguistic and Soft Skills

OUR PUBLICATIONS

Description	Total No.
Journal/s	12
Conference/s	05
Book Chapter/s	02

ACHIEVEMENTS:

Landmark Achievements:

- MoU with leading Industries, Corporates and Government bodies.

Scope of Current Research Field into Khorana Research Lab :

1. A study of metal complex formation at various concentrations/pHs with the help of UV-Vis spectrophotometric determination. The objective is to detect various organic acids produced by fermentation of vegetable peels.
2. Extraction of natural pigments and using the same for the detection of toxic heavy metals into drinking water.
3. Organic acids produced by fermentation of vegetable peels will be used for the removal of Iron and Aluminium oxides from silica sand, which can be a value added product into glass manufacturing industries.

FACULTY

Sl. No.	Name of Faculty	Designation	Highest Qualifications
01	Dr. Saurav Ranjan Das	Associate Professor and Head	Ph.D
02	Dr. Sarit Paul	Professor	Ph.D
03	Dr. Jayanta Pal	Associate Professor	Ph.D
04	Dr. Suneeta De	Associate Professor	Ph.D
05	Koushik Senapati	Associate Professor	M.Tech
06	Dr. Arnab Bandyopadhyay	Associate Professor	PhD
07	Dr. Jaya Bhattacharjee (Mukherjee)	Asst. Professor	Ph.D
08	Dr. Shashi Bajaj Mukherjee	Asst. Professor	Ph.D
09	Dr. Santanu Kumar Patra	Asst. Professor	Ph.D
10	Dr. Taniya Chakraborty	Asst. Professor	Ph.D
11	Dr. Avijit De	Asst. Professor	Ph.D
12	Dr. Sukalpa Dey	Asst. Professor	Ph.D
13	Dr. Sourav Bhattacharya	Asst. Professor	Ph.D
14	Sarabjeet Lahiri	Asst. Professor	MA
15	Debadrita Sen	Asst. Professor	MA
16	Subhashish Pal	Asst. Professor	M.Sc
17	Sreejata Sen Sarma	Asst. Professor	M.Sc
18	Sudip Kr. Gorey	Asst. Professor	M.Sc, M.Phil
19	Sukarna Dey Mondal	Asst. Professor	M.S
20	Sreeparna Bhattacharya	Asst. Professor	MA
21	Sohini Ghosh	Asst. Professor	MA



MASTERS OF COMPUTER APPLICATIONS (MCA)

Post-Graduate Course	Current Intake
Masters of Computer Applications (MCA) 2 years)	120

EMAIL

mca@bcrec.ac.in

Contact

8637884323

VISION

To achieve excellence in quality teaching in Post-Graduate level

MISSION

- To make students well-competent with software market.
- To make a selected group of students well-competent with recent trends in higher research.
- To make students highly presentable with their attitude, communication and technical abilities.
- To provide a fully homely atmosphere to students coming to study far away leaving home.
- To provide strong mental support and encouragement to students with poor background in graduation level to remove any sort of inferiority complex.
- To accomplish the entire task of teaching-learning process amidst fully planned and systematic approach, so as to get recognition of national level in future.

OVERVIEW

The Department of Computer Applications established in 2005 is a pioneer department of the Dr. B. C. Roy Engineering College, Durgapur. Currently, the department offers a 2-year MCA (Master of Computer Application) with a wide variety of emerging fields in Machine Learning, Artificial Intelligence, Data Science, and Computer Vision. This department is bestowed with an experienced team of faculty members with an excellent academic track record and proficiency in data science, machine learning, and cyber security. In the last couple of years, the department has published more than 50 papers in reputed journals and conferences. The curriculum of the department provides a good theoretical foundation through high-quality teaching and extensive practical training to make them industry-ready. In addition to the regular curriculum, the department organises workshops, technical seminars, faculty development programmes (FDP), short-term training programmes (STTP), and conferences to expose the students to real-world problems catering to industrial and societal needs.

LABORATORIES

- Computer Programming Lab
- Database Lab
- Project Lab
- Web Technology Lab
- Soft Skill and Inter personal Communications Lab
- R & D LAB

RESEARCH AREAS

- Image Processing & Image segmentation
- Computer Vision
- Cognitive load theory
- Data Science
- Machine Learning



CAREER SCOPE

Software Application Architect, Data Scientist, System Analyst, Business Analysts, UX designer, Cloud Engineer, Software Tester, Project Manager, IT Architect, Cloud Architect

OUR PUBLICATIONS

Description	Total No.
Journal/s	31
Conference/s	25
Book Chapter/s	06

PROFESSIONAL BODIES

It is a honour for the Institute to host the SWAYAM NPTEL Local Chapter, the IEEE Student Branch Programme and being the member of the Institution of Engineers (India), The Computer Society of India.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO 1: Technical Expertise: Develop the ability to plan, analyze, design, code, test, implement and maintain the software product for real time systems that are technically sound, economically feasible and socially acceptable.

PEO 2: Successful Career: Exhibit professionalism, ethical attitude with updated technologies in Computer Application based career and capability to set up their own enterprise in various sectors of Computer Applications.

PEO 3: Soft Skills: Develop communication skills, team work and leadership quality in their professional multidisciplinary projects and adapt to current trends by engaging in lifelong learning.

PEO 4: Life Long Learning: Prepare the students to pursue higher studies by acquiring knowledge in mathematical, computing and engineering principles in the field of computing and related fields and to work in the fields of teaching and research.

PROGRAM SPECIFIC OUTCOMES (PSO)

The post graduates of Master of Computer Application Program will demonstrate:

PSO 1: Software System Design and Development: The ability to apply software development life cycle principles to design and develop the application software that meets the automation needs of the society and industry.

PSO 2: Computing and Research ability: The ability to employ modern computer languages, environments and platforms in creating innovative career paths in SMAC (Social, Mobile, Analytics and Cloud) technologies.

PSO 3: Professionalism and Ethics: Become efficient team leaders, effective communicators and capable of working in multi-disciplinary environment following ethical values.



FACULTY

Sl. No.	Name of Faculty	Designation	Highest Qualifications
1	Dr.Pabitra Kumar Dey	Associate Professor & Head	Ph.D
2	Dr.Falguni Chakraborty	Assistant Professor	Ph.D
3	Debasis Guha	Assistant Professor	M.Tech
4	Ansuman Mahanty	Assistant Professor	M.Tech
5	Subhrangsu Chandra	Assistant Professor	M.Tech
6	Uday Kumar Banerjee	Assistant Professor	M.Tech
7	Anupam Baidya	Assistant Professor	M.Tech
8	Pradipta Pal	Assistant Professor	M.Tech



ADMISSION PROCESS

B.Tech Admission Process

Admissions are made through the Joint Entrance Examination (WBJEE) conducted by the West Bengal Joint Entrance Examinations Board (WBJEEB) and Joint Entrance Examination (JEE-MAIN) conducted by Central Board of Secondary Education (CBSE), New Delhi. The candidates appearing in the qualifying examination in 2023, will be allowed to sit for JEM-2024 provisionally and their admission, if merit listed, will be subject to satisfying the minimum requirements of eligibility as specified below.

After allotment of seats in counselling, candidates are required to complete further formalities for admission in the college campus. Admission Kit, Checklist & Fees Structure will be provided to them in the college campus.

Age Restriction

Candidate must be 17 (Seventeen) years of age or above as on 31-12-2024. There is no upper age limit. A candidate born on or after 1-1-2007 is not eligible to appear in the WBJEE 2024.

Eligibility Criteria

- Candidate must have passed the qualifying examination i.e the '10+2' examination with Physics and Mathematics along with any one of Chemistry / Biotechnology / Biology / Comp.Sc / Comp. Application as compulsory subjects with individual pass marks (in both theory and practical where ever applicable) in all the three subjects as stated above in regular class mode.
- Must have obtained atleast 45% marks (40% in case of reserve category candidates) in the above three subjects taken together.
- Must have passed English in the '10+2' examination.

- The Board of the said qualifying examination must be recognised by the Central Government or State Government concerned.

Medical Fitness

Medical Certificate shall have to be produced during counselling from a Registered Medical Practitioner regarding physical and mental fitness as per prescribed format to be provided at the time of counselling.

Documents Required for Admission

Candidates will be required to produce the following documents before the Admission Committee / Selection Committee :

- Admit Card / Mark sheet of the qualifying examination showing the candidate's date of birth.
- Admit Card of JEE 2023/ JEE (Main) 2023, bearing candidate's Registration No. and Examination Centre.
- Mark sheet from the Board or the University showing detailed marks in all subjects of the qualifying examination (10+2). In case, mark sheet is not available at the time of selection, it must be produced at the time of admission.
- Character Certificate from Head of the Institution last attended.
- Discontinuity Certificate, if any.
- Medical Certificate from a Registered Medical Practitioner certifying that the candidate is of sound physical and mental health and is not suffering from any diseases, and has been recently inoculated against typhoid and cholera. For candidates, wearing glasses, the power of glasses should be indicated.
- 11 (Eleven) copies of recent passport size photograph.



- (h) Candidate will be required to submit a Migration Certificate if he/she passes qualifying examination from a Board other than West Bengal Council of Higher Secondary Education or a University other than West Bengal University of Technology. If the certificate is not submitted within the date specified by the University, the provisional admission of the candidate will stand automatically cancelled.
- (i) As per AICTE norms, affidavit in printed form (form will be provided by college) is to be submitted both from candidates and his / her guardian at the time of admission. Additional affidavit is required for candidates opting for hostel facilities.
- (j) Demand Draft in favour of "Dr. B.C. Roy Engineering College, Durgapur" on any nationalized bank payable at Durgapur.

B.Tech Lateral Entry

As a follow-up of AICTE scheme for admission of diploma holders to degree courses, Dept. of Higher Education, Govt. of West Bengal has introduced a scheme for lateral entry from Polytechnics directly to the 2nd year, subject to fulfillment of following conditions (subject to change from time to time).

- Diploma holder should be a bonafide student of West Bengal and a resident of the state for at least 10 years.
- Should have passed diploma courses from an AICTE approved polytechnic of the state with minimum 45% marks in the relevant discipline and learning Special Joint Entrance Examination of the state is the eligibility. B.Sc students are also eligible after qualifying JELET exam.
- Diploma holders will be admitted to degree courses in engineering in the same discipline the diploma was awarded (in case of IT Degree Course a diploma holder in Computer Engineering is eligible).
- Admission will be strictly on merit basis.
- Lateral entry to 2nd year 1st semester level is limited to 10% of sanctioned intake.

M.Tech Admission Process

Candidates interested in seeking admission to POST-GRADUATE COURSES IN ENGINEERING at Dr. B.C. ROY ENGINEERING COLLEGE, DURGAPUR, through WBUT PGET Entrance Exam, Both GATE qualified and Non-GATE candidates should appear for PGET Entrance conducted by WBUT as per regulations.

The application for admission is to be submitted online at the university website www.wbut.ac.in. (Details can be seen in university website) GATE qualified candidates are eligible for SCHOLARSHIP from AICTE as per AICTE norms (At present Rs. 12,400.00 per month).

Method of selection : WBUT PGET Exam followed by counselling. All M.Tech students are eligible for scholarship of Rs. 3,000.00 per month.

Eligibility Criteria for Admission

A relevant AICTE recognized Bachelor's degree in Engineering / Technology or in any final year of such programmes.

- M.Tech in Computer Science and Engineering : 1st Class BE/B.Tech/AMIE in CSE/IT or Master's degree Computer Applications (MCA) / Computer Sc. / Mathematics with Computer Sc. Specialization
- M.Tech in Mechanical Engineering: 1st Class B E/ B.Tech / AMIE in ME from any recognized university.
- M.Tech in Power System Engineering : 1st Class BE/B.Tech/AMIE in EE/Power Engg. from any recognized university.
- M.Tech in Electronics & Communication Engineering: 1st Class BE/B.Tech/AMIE in ECE/AEIE/EE or Master's degree in electronics from any recognized university.

Applicants may contact : Mr. Rajesh Chatterjee, General Manager (Admin) (Phone – 0343- 2504106 / 2501353, 9932245570)

MCA Admission Process

There are two ways you can get admission for the MCA course. Here is more information on the admission process:-

Entrance Exam:

Candidates must have passed the West Bengal Joint Entrance Examination Board's Joint Entrance Examination (JECA) and be recommended by the Board.

Merit-Based Admission:

You can directly apply for the MCA course by filling out an online application form and providing your bachelor's degree documents.

The application form is available along with this prospectus. The completed application form along with supporting documents should be submitted at the following address- Management House, Dr. B.C. Roy Engineering College, Jemua Road, Fuljore, Durgapur - 713206.

VISIT : www.wbut.ac.in for additional details



FEE STRUCTURE B. TECH (2024 - 28)

Payment to be made at the time of Admission (Fee as per Courses)

Semester Payment to be made by January / July of Every Year : { for B.Tech CSE / IT / ECE }

	1st Sem Jul 24-Dec 24	2nd Sem Jan 25-Jun 25	3rd Sem Jul 25-Dec 25	4th Sem Jan26-Jun 26	5th Sem Jul 26-Dec 26	6th Sem Jan27-Jun 27	7th Sem Jul 27-Dec 27	8th Sem Jan28-Jun 28
Tuition Fee	60,500=00	60,500=00	60,500=00	60,500=00	60,500=00	60,500=00	60,500=00	60,500=00
Devt. Fee	9,075=00	9,075=00	9,075=00	9,075=00	9,075=00	9,075=00	9,075=00	9,075=00
Examination Fee	1,200=00	1,200=00	1,200=00	1,200=00	1,200=00	1,200=00	1,200=00	1,200=00
Library Fee	750=00	750=00	750=00	750=00	750=00	750=00	750=00	750=00
Student Welfare Fund	500=00	500=00	500=00	500=00	500=00	500=00	500=00	500=00
Training Fee	--	--	--	--	2,000=00	--	--	--
Admission Fee	10,000=00	--	--	--	--	--	--	--
Caution Money Refundable	5,000=00	--	--	--	--	--	--	--
MAKAUT Student Dev. Fund	2,200=00	--	--	--	--	--	--	--
MAKAUT Registration Fee	500=00	--	--	--	--	--	--	--
Prospectus with Form	1,000=00	--	--	--	--	--	--	--
Dress Kit	6,100=00	--	--	--	--	--	--	--
Total (Without Hostel)	96,825=00	72,025=00	72,025=00	72,025=00	74,025=00	72,025=00	72,025=00	72,025=00
Seat Rent	10,000=00	10000=00	10,000=00	10,000=00	10,000=00	10,000=00	10,000=00	10,000=00
Mess Charge	25,000=00	25,000=00	30,000=00	25,000=00	30,000=00	25,000=00	30,000=00	25,000=00
Hostel Caution Money Refundable	2,000=00	--	--	--	--	--	--	--
Total (With Hostel)	1,33,825=00	1,07,025=00	1,12,025=00	1,07,025=00	1,14,025=00	1,07,025=00	1,12,025=00	1,07,025=00

**** Fees Structure is subject to change from time to time as per Govt. Decision**

Semester Payment to be made by January / July of Every Year : { for B.Tech EE/CSD/CSE(AIML)/CSE (DS)/CSE(CS) }

	1st Sem Jul 24-Dec 24	2nd Sem Jan 25-Jun 25	3rd Sem Jul 25-Dec 25	4th Sem Jan26-Jun 26	5th Sem Jul 26-Dec 26	6th Sem Jan27-Jun 27	7th Sem Jul 27-Dec 27	8th Sem Jan28-Jun 28
Tuition Fee	55,000=00	55,000=00	55,000=00	55,000=00	55,000=00	55,000=00	55,000=00	55,000=00
Devt. Fee	8,250=00	8,250=00	8,250=00	8,250=00	8,250=00	8,250=00	8,250=00	8,250=00
Examination Fee	1,200=00	1,200=00	1,200=00	1,200=00	1,200=00	1,200=00	1,200=00	1,200=00
Library Fee	750=00	750=00	750=00	750=00	750=00	750=00	750=00	750=00
Student Welfare Fund	500=00	500=00	500=00	500=00	500=00	500=00	500=00	500=00
Training Fee	--	--	--	--	2,000=00	--	--	--
Admission Fee	10,000=00	--	--	--	--	--	--	--
Caution Money Refundable	5,000=00	--	--	--	--	--	--	--
MAKAUT Student Dev. Fund	2,200=00	--	--	--	--	--	--	--
MAKAUT Registration Fee	500=00	--	--	--	--	--	--	--
Prospectus with Form	1,000=00	--	--	--	--	--	--	--
Dress Kit	6,100=00	--	--	--	--	--	--	--
Total (Without Hostel)	90,500=00	65,700=00	65,700=00	65,700=00	67,700=00	65,700=00	65,700=00	65,700=00
Seat Rent	10,000=00	10,000=00	10,000=00	10,000=00	10,000=00	10,000=00	10,000=00	10,000=00
Mess Charge	25,000=00	25,000=00	30,000=00	25,000=00	30,000=00	25,000=00	30,000=00	25,000=00
Hostel Caution Money Refundable	2,000=00	--	--	--	--	--	--	--
Total (With Hostel)	1,27,500=00	1,00,700=00	1,05,700=00	1,00,700=00	1,07,700=00	1,00,700=00	1,05,700=00	1,00,700=00

The entire above amount of Rs. 1,33,825=00 or 1,27,500=00 with hostel and Rs. 96,825=00 or 90,500=00 without hostel has to be paid at the time of admission by **Demand Draft** favouring **"Dr. B.C. Roy Engineering College, Durgapur"**. on any nationalized Bank payable at Durgapur. Or Pay by Debit / Credit Card Swiping.

**** Fees Structure is subject to change from time to time as per Govt. Decision**

Semester Payment for B.Tech ME/CE Branches

Admission Fee	10,000	-	-	-	-	-	-	-
Tuition Fee	41,250	41,250	41,250	41,250	41,250	41,250	41,250	41,250
Development Fee	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250
Examination Fee	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
Library Fee	750	750	750	750	750	750	750	750
Student Welfare Fund	500	500	500	500	500	500	500	500
Training Fee	-	-	2,000	-	-	-	-	-
Caution Money Refundable	5,000	-	-	-	-	-	-	-
MAKAUT Student Dev Fund	2200	-	-	-	-	-	-	-
MAKAUT Registration Fee	500	-	-	-	-	-	-	-
Prospectus with Form	1,000	-	-	-	-	-	-	-
Dress Kit	6,100	-	-	-	-	-	-	-
Total (Without Hostel)	76,750	51,950	51,950	51,950	53,950	51,950	51,950	51,950
Seat Rent	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Mess Charge	25,000	25,000	30,000	25,000	30,000	25,000	30,000	25,000
Hostel Caution Money	2,000	-	-	-	-	-	-	-
Total (With Hostel)	1,13,750	86,950	91,950	86,950	93,950	86,950	91,950	86,950

**** Fees Structure is subject to change from time to time as per Govt. Decision**



PAYMENT AT THE TIME OF ADMISSION

NB: The entire amount of **Rs.1,13,750** with Hostel and **Rs.76,750** without hostel has to be paid at the time of admission by **Demand Draft** favouring "**Dr.B.C.Roy Engineering College, Durgapur**" on any Nationalized Bank payable at Durgapur Or Pay by Debit/ Credit Card Swiping

BANK DETAILS FOR PAYMENT THROUGH NEFT (Axis Bank Ltd.)

NEFT Mode is allowed for **Education Loan** provided by Bank /Govt. Credit Card Dept.

College Name : **DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR**

Account No. **213010100111263** | IFSC : **UTIB0000213** | Branch : **CITY CENTRE, DURGAPUR - 713216**

NB: After payment students are requested to advise their respective bank (Providing Education Loan) to intimate college authority through bank official mail Id or Bank letter with the detailed of beneficiary i.e. Student Name, College Roll No, Stream, Semester Number, UTR Number, payment date and Bank details to the official main ID :accounts@bcrec.ac.in

Any query related to payment contact Accounts Department Mobile - 7001380141 / Phone - 0343-2501353 ext. 278

FEE STRUCTURE (B.TECH) (LATERAL) 2024-2027

	CSE/IT/ECE	CSD/CSE(AIIML)/EE / CSE(DS)	ME/CE
1. (a) Tuition Fee for 2nd /4th Year	` 1,21,000	` 1,10,000 (Per Annum)	` 82,500
(b) Development Fee for 3rd Year/4th Year [To be paid in January and July in two equal installments]	` 18,150	` 16,500 (Per Annum)	` 12,376
(b) Total Caution Money Deposit (one time) [Refundable]	` 7,000 with hostel facility ` 5,000 without hostel facility		
2. Library Fee [To be paid in January and July in two equal installments, every year]	` 1,500		
3. University Registration Fee (one time)		To be fixed by MAKAUT (at present ` 500/-)	
4. Hostel Fee (Semester wise) :			
i) Seat Rent	` 10,000*		
ii) Monthly Mess Charge	` 5,000*	P.M.	
5. University Examination Fee Per Semester		To be fixed by MAKAUT (At present ` 1200/-)	
6. MAKAUT Student Development Fund	` 1,650	One time	
7. College Students Welfare Fund	` 1,000	per year	

****Fee Structure is subject to change from time to time as per Govt. decision.**

*Seat Rent, Mess Charge and other amenities are also subject to change but will remain fixed for two semester periods.

PAYMENT AT THE TIME OF ADMISSION

NB: The entire amount of **Rs.1,33,275** with Hostel and **Rs.96,275** without hostel has to be paid at the time of admission by **Demand Draft** favouring "**Dr.B.C.Roy Engineering College, Durgapur**" on any Nationalized Bank payable at Durgapur Or Pay by Debit/ Credit Card Swiping.

**** Fees Structure is subject to change from time to time as per Govt. Decision**



FEE STRUCTURE (B.TECH) (LATERAL) 2024-2027

Semester Payment for B.Tech CSE/IT/ECE Branches

	3rd Sem. (Jul -Dec 2024)	4th Sem. (Jan-Jun 2025)	5th Sem. (Jul -Dec 2025)	6th Sem. (Jan-Jun 2026)	7th Sem. (Jul -Dec 2026)	8th Sem. (Jan-Jun 2027)
Admission Fee	10,000	-	-	-	-	-
Tuition Fee	60,500	60,500	60,500	60,500	60,500	60,500
Development Fee	9,075	9,075	9,075	9,075	9,075	9,075
Examination Fee	1,200	1,200	1,200	1,200	1,200	1,200
Library Fee	750	750	750	750	750	750
Student Welfare Fund	500	500	500	500	500	500
Training Fee	-	-	1,000	-	-	-
Caution Money Refundable	10,000	-	-	-	-	-
MAKAUT Student Dev Fund	1,650	-	-	-	-	-
MAKAUT Registration Fee	500	-	-	-	-	-
Prospectus with Form	1,000	-	-	-	-	-
Dress Kit	6,100	-	-	-	-	-
Total (Without Hostel)	96,275	72,025	74,025	72,025	72,025	72,025
Seat Rent	10,000	10,000	10,000	10,000	10,000	10,000
Mess Charge	25,000	25,000	30,000	25,000	30,000	25,000
Hostel Caution Money	2,000	-	-	-	-	-
Total (With Hostel)	1,33,275	1,07,025	1,14,025	1,07,025	1,12,1025	1,07,025

PAYMENT AT THE TIME OF ADMISSION

NB: The entire amount of **Rs.1,33,275** with Hostel and **Rs.96,275** without hostel has to be paid at the time of admission by **Demand Draft** favouring "**Dr.B.C.Roy Engineering College, Durgapur**" on any Nationalized Bank payable at Durgapur Or Pay by Debit/ Credit Card Swiping. **** Fees Structure is subject to change from time to time as per Govt. Decision**

Semester Payment for B.Tech EE/CSD/CSE(AIIML) /CSE(DS)/EE Branches

	3rd Sem. (Jul -Dec 2024)	4th Sem. (Jan-Jun 2025)	5th Sem. (Jul -Dec 2025)	6th Sem. (Jan-Jun 2026)	7th Sem. (Jul -Dec 2026)	8th Sem. (Jan-Jun 2027)
Admission Fee	10,000	-	-	-	-	-
Tuition Fee	55,000	55,000	55,000	55,000	55,000	55,000
Development Fee	9,075	9,075	9,075	9,075	9,075	9,075
Examination Fee	1,200	1,200	1,200	1,200	1,200	1,200
Library Fee	750	750	750	750	750	750
Student Welfare Fund	500	500	500	500	500	500
Training Fee	-	-	2,000	-	-	-
Caution Money Refundable	5,000	-	-	-	-	-
MAKAUT Student Dev Fund	1,650	-	-	-	-	-
MAKAUT Registration Fee	500	-	-	-	-	-
Prospectus with Form	1,000	-	-	-	-	-
Dress Kit	6,100	-	-	-	-	-
Total (Without Hostel)	89,950	65,700	67,700	65,700	65,700	65,700
Seat Rent	10,000	10,000	10,000	10,000	10,000	10,000
Mess Charge	25,000	25,000	30,000	25,000	30,000	25,000
Hostel Caution Money	2,000	-	-	-	-	-
Total (With Hostel)	1,26,950	1,00,700	1,07,700	1,00,700	1,05,700	1,00,700

PAYMENT AT THE TIME OF ADMISSION

NB: The entire amount of **` 1,26,950** with Hostel and **` 89,950** without hostel has to be paid at the time of admission by **Demand Draft** favouring "**Dr.B.C.Roy Engineering College, Durgapur**" on any Nationalized Bank payable at Durgapur Or Pay by Debit/ Credit Card Swiping **** Fees Structure is subject to change from time to time as per Govt. Decision**

Semester Payment for B.Tech ME/CE Branches

	3rd Sem. (Jul -Dec 2024)	4th Sem. (Jan-Jun 2025)	5th Sem. (Jul -Dec 2025)	6th Sem. (Jan-Jun 2026)	7th Sem. (Jul -Dec 2026)	8th Sem. (Jan-Jun 2027)
Admission Fee	10,000	-	-	-	-	-
Tuition Fee	41,250	41,250	41,250	41,250	41,250	41,250
Development Fee	9075	9075	9075	9,075	9,075	9,075
Examination Fee	1,200	1,200	1,200	1,200	1,200	1,200
Library Fee	750	750	750	750	750	750
Student Welfare Fund	500	500	500	500	500	500
Training Fee	-	-	2,000	-	-	-
Caution Money Refundable	5,000	-	-	-	-	-
MAKAUT Student Dev Fund	1650	-	-	-	-	-
MAKAUT Registration Fee	500	-	-	-	-	-
Prospectus with Form	1,000	-	-	-	-	-
Dress Kit	6,100	-	-	-	-	-
Total (Without Hostel)	74,138	49,888	51,888	49,888	49,888	49,888
Seat Rent	10,000	10,000	10,000	10,000	10,000	10,000
Mess Charge	25,000	25,000	30,000	25,000	30,000	25,000
Hostel Caution Money	2,000	-	-	-	-	-
Total (With Hostel)	1,11,138	84,888	84,888	84,888	89,888	84,888

PAYMENT AT THE TIME OF ADMISSION

NB: The entire amount of **Rs.1,11,138** with Hostel and **Rs.74,148** without hostel has to be paid at the time of admission by Demand **Draft favouring "Dr.B.C.Roy Engineering College, Durgapur"** on any Nationalized Bank payable at Durgapur Or Pay by Debit/ Credit Card Swiping. (Limited Single Room Occupancy available @Rs.30,000 per semester basis.)

**** Fees Structure is subject to change from time to time as per Govt. Decision**

Process for PAYING SEMESTER FEE

From 2nd SEMESTER for REGULAR and 4th SEMESTER for LATERAL STUDENTS

- Visit our Website (www.bcrec.ac.in)
- Click on **"Pay fee Online BCREC"**
- Enter College Roll No. and Password. (For the 1st time user college roll no. is the temporary password. Change the password immediately and log in with new password)

FOR PAYING AT COLLEGE CASH COUNTER (10.30 am to 4.00 pm ON COLLEGE WORKING DAYS)

- Click on "Offline Semester/Admission" (Button no - 3)
- Details will appear with Name, College Roll No. and Fee Amount)
- Fill-up the instrument details (either in DD or GCC)
- If the mode is DD then fill the details (i.e issuing bank name, DD number, DD date, amount)

OR

If the mode is GCC then fill only bank name, amount

N.B - If the Instrument is multiple number i.e combination of DD and GCC or more than one number of DD/Card then enter the details part by part as per number of instruments as written above.

- Click on **"ADD"** button followed by **"Submit"** button.
- A message will appear for payment to college cash counter. Go to College Cash Counter.

FOR PAYING ONLINE MODE (24 X 7)

Click on **"Online Semester/Admission"** (Button no- 1)

Details will appear with Name, College Roll No and Fee Amount. Check the payable amount and click on **"Submit"** button

You will be redirected to Bank Payment Gateway

Tick the Terms and Condition. Select the payment option

1. Internet Banking or Credit Card/Debit Card (For payment through **Rupay** Card click on **"Atom"** button
2. follow the instruction at webpage and be sure that you get the payment successful message at the college portal page

N.B – **Check payment status by clicking on "Payment statement (Regular Fee)**

Request for payment through Cash/ Cheque and direct fund transfer (by student) will not be granted

FEE STRUCTURE (M.TECH) 2024-2026

- | | | | |
|----|--|---|---|
| 1. | (a) Tuition and Development Fee** Per Semester
[To be paid in January and July] | : | `50,000 `25,000 |
| | (b) Total Caution Money Deposit (one time)
[Refundable] | : | `5,000 with hostel facility
`7,000 without hostel facility |
| 2. | Library Fee Per Semester
[To be paid in January and July] | : | `2,000 |
| 3. | University Registration Fee (one time) | : | To be fixed by MAKAUT (At present `500/-) |
| 4. | Hostel Fee (Semester wise) | | |
| | i) Seat Rent | : | `10,000* |
| | ii) Monthly Mess Charge | : | `5,000* P.M. |
| 5. | University Examination Fee Per Semester | : | To be fixed by MAKAUT (At present `1,200/-) |
| 6. | MAKAUT Student Development Fund | : | To be fixed by MAKAUT (At present `1,100/- one time) |
| 7. | College Students Activity Fund | : | `2,000 per year |

**** Fee Structure is subject to change from time to time as per Govt. decision.**

* Seat Rent, Mess Charge and other amenities are also subject to change but will remain fixed for a two semester periods.

Payment to be made at the time of Admission (Fee as per Courses)

Semester Payment to be made by January / July of Every Year : { for M.Tech CSE }

	1st Sem Jul 24-Dec 24	2nd Sem Jan 25-Jun 25	3rd Sem Jul 25-Dec 25	4th Sem Jan26-Jun 26
Tuition Fee	50,000=00	50,000=00	50,000=00	50,000=00
Examination Fee	1,200=00	1,200=00	1,200=00	1,200=00
Library Fee	1,000=00	1,000=00	1,000=00	1,000=00
Student Welfare Fund	1,000=00	1,000=00	1,000=00	1,000=00
Admission Fee	5,000=00	--	--	--
Caution Money Refundable	5,000=00	--	--	--
MAKAUT Student Dev. Fund	1,100=00	--	--	--
MAKAUT Registration Fee	500=00	--	--	--
Prospectus with Form	1,000=00	--	--	--
Total (Without Hostel)	65,800=00	53,200=00	53,200=00	53,200=00
Seat Rent	10,000=00	10000=00	10,000=00	10,000=00
Mess Charge	25,000=00	25,000=00	30,000=00	25,000=00
Hostel Caution Money Refundable	2,000=00	--	--	--
Total (With Hostel)	1,02,800=00	88,200=00	93,200=00	88,200=00

Semester Payment to be made by January / July of Every Year : { for M.Tech ECE/ME/PS }

	1st Sem Jul 24-Dec 24	2nd Sem Jan 25-Jun 25	3rd Sem Jul 25-Dec 25	4th Sem Jan26-Jun 26
Tuition Fee	25,000=00	25,000=00	25,000=00	25,000=00
Examination Fee	1,200=00	1,200=00	1,200=00	1,200=00
Library Fee	1,000=00	1,000=00	1,000=00	1,000=00
Student Welfare Fund	1,000=00	1,000=00	1,000=00	1,000=00
Admission Fee	5,000=00	--	--	--
Caution Money Refundable	5,000=00	--	--	--
MAKAUT Student Dev. Fund	1,100=00	--	--	--
MAKAUT Registration Fee	500=00	--	--	--
Prospectus with Form	1,000=00	--	--	--
Total (Without Hostel)	40,800=00	28,200=00	28,200=00	28,200=00
Seat Rent	10,000=00	10000=00	10,000=00	10,000=00
Mess Charge	25,000=00	25,000=00	30,000=00	25,000=00
Hostel Caution Money Refundable	2,000=00			
Total (With Hostel)	77,800=00	63,200=00	68,200=00	63,200=00

The entire above amount of Rs. 1,02,800=00 or 77,800=00 with hostel and Rs. 65,800=00 or 40,800=00 without hostel has to be paid at the time of admission by **Demand Draft** favouring **“Dr. B.C. Roy Engineering College, Durgapur”**. on any nationalized Bank payable at Durgapur. Or Pay by Debit / Credit Card Swiping.

FEE STRUCTURE (M.C.A) 2024-2026

1. (a) Tuition and Development Fee** per year : `90,000
[To be paid in January and July in two equal installments]
- (b) Total Caution Deposit (one time) : `7,000 with hostel facility
[Refundable] : `5,000 without hostel facility
2. Library Fee : `2,000
[To be paid in January and July in two equal installments, every year]
3. University Registration Fee (one time) : To be fixed by MAKAUT (At present `500/-)
4. Hostel Fee (Semester wise)
- i) Seat Rent : `10,000*
- ii) Monthly Mess Charge : `5,000* P.M
5. University Examination Fee Per Semester : To be fixed by MAKAUT (At present `1,200/-)
6. MAKAUT Student Development Fund : `1,100 One time
7. College Student Welfare Fund : `2,000 per year

****Fee Structure is subject to change from time to time as per Govt. decision.**

* Seat Rent, Mess Charge and other amenities are also subject to change but will remain fixed for two semester periods.

PAYMENT TO BE MADE AT THE TIME OF ADMISSION

	With Hostel	Without Hostel
i) Admission Fee	5,000	5,000
ii) College Fee (6 months)	45,000	45,000
iii) Library Fee	1,000	1,000
iv) Total Caution Money (Refundable)	7,000	5,000
v) Seat Rent (6 months)	10,000	-
vi) Mess Charge including breakfast & amenities	25,000	-
vii) Registration Fee (One time)	500	500
viii) College Student Welfare Fund	1,000	1,000
ix) MAKAUT Student Development Fund	1,100	1,100
x) Examination Charge of MAKAUT	1,200	1,200
xi) Prospectus with form	1,000	1,000
xii) Dress Kit	6,100	6,100
Total	1,03,900	66,900



* The entire above amount of ` 1,03,900 with hostel and ` 66,900 without hostel has to be paid at the time of admission by **Demand Draft** favouring "**Dr. B.C. Roy Engineering College, Durgapur**" on any nationalized bank payable at Durgapur.

All payment should be made by Demand Draft / Pay Order only, Net Banking, Debit / Credit Card Swiping.

No payment by cheque / cash will be accepted

Payment to be made at the start of Second Semester and each subsequent Semester * :

	2nd Sem. Jan'25 - June'25	3rd Sem. July'25 - Dec'25	4th Sem. Jan'26 - June'26
Tuition Fee	45,000=00	45,000=00	45,000=00
Examination Fee	1200=00	1200=00	1200=00
Library Fee	1000=00	1000=00	1000=00
College Student Welfare Fund	1000=00	1000=00	1000=00
Training Fee	-	2000=00	-
Total (Without Hostel)	48,200=00	50,200=00	48,200=00
Seat Rent	10,000=00	10,000=00	10,000=00
Mess Charge	25,000=00	30,000=00	25,000=00
TOTAL (With Hostel)	83,200=00	90,200=00	83,200=00

BANK DETAILS FOR PAYMENT THROUGH NEFT (Axis Bank Ltd.)

NEFT Mode is allowed for Education Loan provided by Bank /Govt. Credit Card Dept.

College Name : **DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR**

Account No. 21301010011263 | IFSC : UTIB0000213 | Branch : CITY CENTRE, DURGAPUR - 713216

NB: After payment students are requested to advise their respective bank (Providing Education Loan) to intimate college authority through bank official mail Id or Bank letter with the detailed of beneficiary i.e. Student Name, College Roll No, Stream, Semester Number, UTR Number, payment date and Bank details to the official main ID : accounts@bcrec.ac.in **Any query related to payment contact Accounts Department** Mobile - 7001380141 / Phone - 0343-2501353 ext. 278

DRESS KIT FEES

Boys (Dress Kit) – CHOICE - A

1. Trouser (Siyaram Suiting)	2 Sets @ `850	` 1,700
2. Full Sleeve Shirt (Duratex Shirting)	2 Sets @ `750	` 1,500
3. Blazer (Raymond Suiting)	1 Pc. @ `2,450	` 2,450
4. Tie & Emblem	1 Set @ `250	` 250
5. White Cotton Socks	2 Sets @ `100	` 200
Total		` 6,100



Girls (Dress Kit) – CHOICE - B

1. Skirt (Siyaram Suiting)	2 Sets @ `850	` 1,700
2. Full Sleeve Shirt (Duratex Arvind Shirting)	2 Sets @ `750	` 1,500
3. Blazer (Raymonds Suiting)	1 Pc. @ `2,450	` 2,450
4. Tie & Emblem	1 Set @ `250	` 250
5. White Cotton Socks	2 Sets @ `100	` 200
Total		` 6,100

Girls (Dress Kit) – CHOICE - C

1. Salwar Suit (Duratex Shirting)	2 Sets @ `1,375	` 2,650
2. Veil (Dopatta)	2 Sets @ `225	` 450
3. Blazer (Suiting)	1 Pc. @ `2,450	` 2,450
4. Tie & Emblem	1 Set @ `250	` 250
5. White Cotton Socks	2 Sets @ `100	` 200
Total		` 6,100



LATE FINE

	Fine (in `)
SEMESTER FEE PAID BY THE MONTH OF JANUARY / JULY	NO FINE
SEMESTER FEE PAID BY THE MONTH OF FEBRUARY / AUGUST	500/-
SEMESTER FEE PAID BY THE MONTH OF MARCH / SEPTEMBER	1,000/-
SEMESTER FEE PAID BY THE MONTH OF APRIL / OCTOBER	3,000/-
SEMESTER FEE PAID BY THE MONTH OF MAY / NOVEMBER BEFORE EXAM. FORM FILLUP	5,000/-
Excluding Bank / Govt. Holidays	

If any student fails to submit requisite fees within May/November, he/she shall not be allowed to appear in semester examinations.

BANK DETAILS FOR PAYMENT THROUGH NEFT (Axis Bank Ltd.)

NEFT Mode is allowed for Education Loan provided by Bank /Govt. Credit Card Dept.

College Name : **DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR**

Account No. 213010100111263 | IFSC : UTIB0000213 | Branch : CITY CENTRE, DURGAPUR - 713216

NB: After payment students are requested to advise their respective bank (Providing Education Loan) to intimate college authority through bank official mail Id or Bank letter with the detailed of beneficiary i.e. Student Name, College Roll No, Stream, Semester Number, UTR Number, payment date and Bank details to the official main ID : accounts@bcrec.ac.in **Any query related to payment contact Accounts Department** Mobile - 7001380141 / Phone - 0343-2501353 ext. 278

FACILITIES

The ambience of the campus is a fine blend of intellectuality and interactive cordiality, enriched with academic flavour and Indian ethos.

Classrooms

The institute is structured with well-furnished classrooms having latest teaching aids. All classrooms are well lit, airy with spacious seating arrangements. The lights, sound, and air circulation make the room physically comfortable to support the teaching / learning enterprise.

The institute also has dedicated smart classrooms for all courses.

A Smart Classroom is a presenter friendly classroom environment, conducive to the ICT enabled teaching-learning process. All smart classrooms are equipped with OHP, linked to a computer with high speed data networks and projection screen. The classrooms are acoustically built so as to prevent echo and reverberations. They are designed to promote maximum interaction between the faculty and the students.

Wi-Fi Facilities

The institute provides staff, faculty and students access to the wireless network in campus everywhere.

Multi Speciality Gymnasiums

Two Instructors come everyday to teach the students; one for girls and another for boys.

Health Centre and Medical Facilities

The college maintains a Medical Unit to provide medical aid to students under the expert supervision of our experienced resident physician in collaboration with The Mission Hospital, Durgapur. The MoU with The Mission Hospital provides for a Doctor positioned at the College premises from 12 noon to 5pm. Provision for ambulance services for admission in The Mission Hospital is available for 24 hours. In addition, a college car is always stationed for any medical emergency of any student during College hours and even beyond.

Reprographics / Photocopying Facility

Photocopying facilities are available within the campus at multiple points to cater to the reprographic needs of students.

Uninterrupted Power Supply/ Solar Power Plant

The institute, as an additional source of power supply, installed a 30KWp On-Grid Rooftop Solar Photovoltaic (SPV) Power Plant that generates on an average 120 unit (KWh) electricity per day has dedicated HT power supply, generator backup and 10 KVA UPS especially for the computer labs.

Banking Facilities

The campus has AXIS Bank ATM and SBI ATM attached with it, that provide 24 hrs. ATM Banking facility apart from the fully

operational SBI Bank branch within the premises to facilitate monetary transactions for students and faculty alike.

Educational Loan

The institute provides all assistance to avail easy and prompt educational loan for the eligible students. West Bengal Student Credit Card facility is also available.

Cafeteria and Food Station

The college has two food stations that provide good quality snacks and meals to satisfy the taste buds of the faculty and the students at a very reasonable price. Even guardians who visit their wards may avail of the facility.

Open Air Auditorium & Multipurpose AC Auditorium

BCREC has two auditoriums, namely the Nazrul Manch and a fully equipped modern AC-Auditorium named "Dulal Mitra Auditorium." Apart from that, the Institute also has one Seminar Hall named Albert Einstein Hall. The Albert Einstein Hall is fully air-conditioned and synchronized with sound systems and projection facility for conducting of guest lectures, seminars etc. Nazrul Manch is an open air auditorium that accommodates over 900 students for cultural activities, fests etc.



Departmental Computer Labs with High-Speed Internet

Institute has state-of-the-art computer labs with high speed leased line internet connections with powerful servers and 100% UPS backup. Each student is provided with personal email id and password with adequate storage space on the student's server. There are also high quality laser printers, DMP printers, scanners, OHP and multimedia projectors. Students are encouraged to maximize their learning and computer skills by constant use of internet for research, making notes, submissions of projects and presentations. Total computer resource is over 900 for entire BCREC. Proficient laboratory instructors are always there to help the students in the lab.

Laboratories and Workshops

This is an essential and major facility for all technology learning institutions and BCREC has a superb reputation for excellence in equipment, instrumentation and workshops. Facilities are upgraded continuously to keep abreast with the latest hardwares, equipment as well as softwares and maintenance is of the highest order.

Solar Photovoltaic (SPV) Power Plant

Being an eminent college of Science and Technology, the authorities of Dr. B. C. Roy Engineering College believes in tryst with the environment. It is undeniable that the mother Nature is being badly ravaged owing to the harnessing of the sources of energy from the core of its heart. A 30 KWp On-Grid Rooftop Solar Photovoltaic (SPV) Power Plant was installed in the college. The generation of electric power has been started from 06-01-2021. There are 80 solar panels (solar photovoltaic modules) and each panel contains 72 solar photovoltaic cells. It generates on an average 120 unit (kWh) electricity per day. Excess power is transmitted to the Grid. There is zero maintenance cost of the solar power plant.

Rain Water Harvesting is a Go-green initiative by the authorities of the Institute for recycling of the most valuable and scarce natural resource.



Safety and Security

Closed Circuit Television (CCTV) Monitoring and Recording activities in Campus Areas for Safety and Security:

The institute is committed to enhancing the quality of life of the campus community by integrating the security tools as a part of BCREC's continuing efforts to increase campus security and safety. The purpose is to monitor and record activities in campus areas in order to deter untoward incidents and to assist the Campus Administrator's Office in protecting the safety of students and property at the campus.

Fire Fighting System:

The institute is well equipped with functional Fire Detection System along with fire fighting cylinders/hosepipes etc., provided in strategic positions of the institute. Special fire fighting training is provided to all staffs as well as students to handle crisis situations.

Campus Administration and Security

The students enjoy a secured and peaceful atmosphere in the campus. They feel motivated to advance in their career when they find themselves in a disciplined campus. The law and order inside the campus is maintained by round-the-clock security and Institute's efficient Campus Administration. The Board headed by Dhrubajyoti Mukhopadhy, Campus Administrator and assisted by Santosh Kumar Paul keeps strict vigil to see that the peaceful environment is not disturbed and help students all the time. Stern action is taken against a student if found involved in any misconduct and in any activity that would harm the peaceful environment of the campus. Contact : Deputy Campus Administrator -Santosh Kumar Paul (M: 9563060931)

Grievance Redressal Cell

BCREC takes active steps to redress every student issues and has an online Grievance Redressal System popularly known as 'My Grievance'. It is an in-house developed software for uploading various grievances by the students as well as faculty & staff members of BCREC. They may lodge their grievances regarding food, hostel accommodation, canteen services, ragging, malpractices, and other relevant issues. For docketing grievances in the software, one has to register with the system by validating with OTP sent to his/her registered mobile number and e-mail id. The grievance lodged is kept confidential and taken care of by the Grievance Redressal Cell of BCREC. The status of the docketed grievance could be checked on web as well as in mobile app through notifications.

Place of Worship

The institute promotes harmonious relationship between the adherents of diverse religious persuasions. The various religious groups co-exist under a peaceful atmosphere and freedom of worship.

Yoga

One dedicated Yoga teacher comes everyday to teach the students for attaining healthy development of the body, mind and soul.

Parking Lots

Separate parking lots for faculty and students are available inside the campus. A hosteller, like a day scholar can avail parking facility for his/her vehicle if he/she chooses to keep one.

Recreation Point

An excellent Cafeteria with a modern look inside the campus is available wherein a diverse mix of palates are provided to the students/faculty members/visitors.



ACCOMMODATIONS

Halls of Residence (Hostels)

BCREC has well ventilated accommodations for boys and girls students within the campus that emote a pleasant feeling and enhance learning. Hostels are managed by female Matrons (Girls' Hostels) and male Wardens (Boys' Hostels), under the leadership of Hostel Superintendents, Professors, apart from 24 hrs. security provided in each of the hostel blocks. Each hostel offers complete facilities including boarding and lodging, common room, internet and Wi-Fi facilities etc. The following hostels (2-Boys / 2-Girls) are currently available.

Boys	
1.	Satyen Bose Hall of Residence Office Mobile No. : 7908394745 Total Residing Capacity : 376 students
2.	Chittaranjan Boys Hostel Office Mobile No.: 7908394747 Total Residing Capacity : 236 students

Girls	
1.	Mother Teresa Hall of Residence Office Mobile No.: 7029824374 Total Residing Capacity : 208 students
2.	Nivedita Girls Hostel Office Mobile No.: 7908394743 Total Residing Capacity : 244 students

Amenities

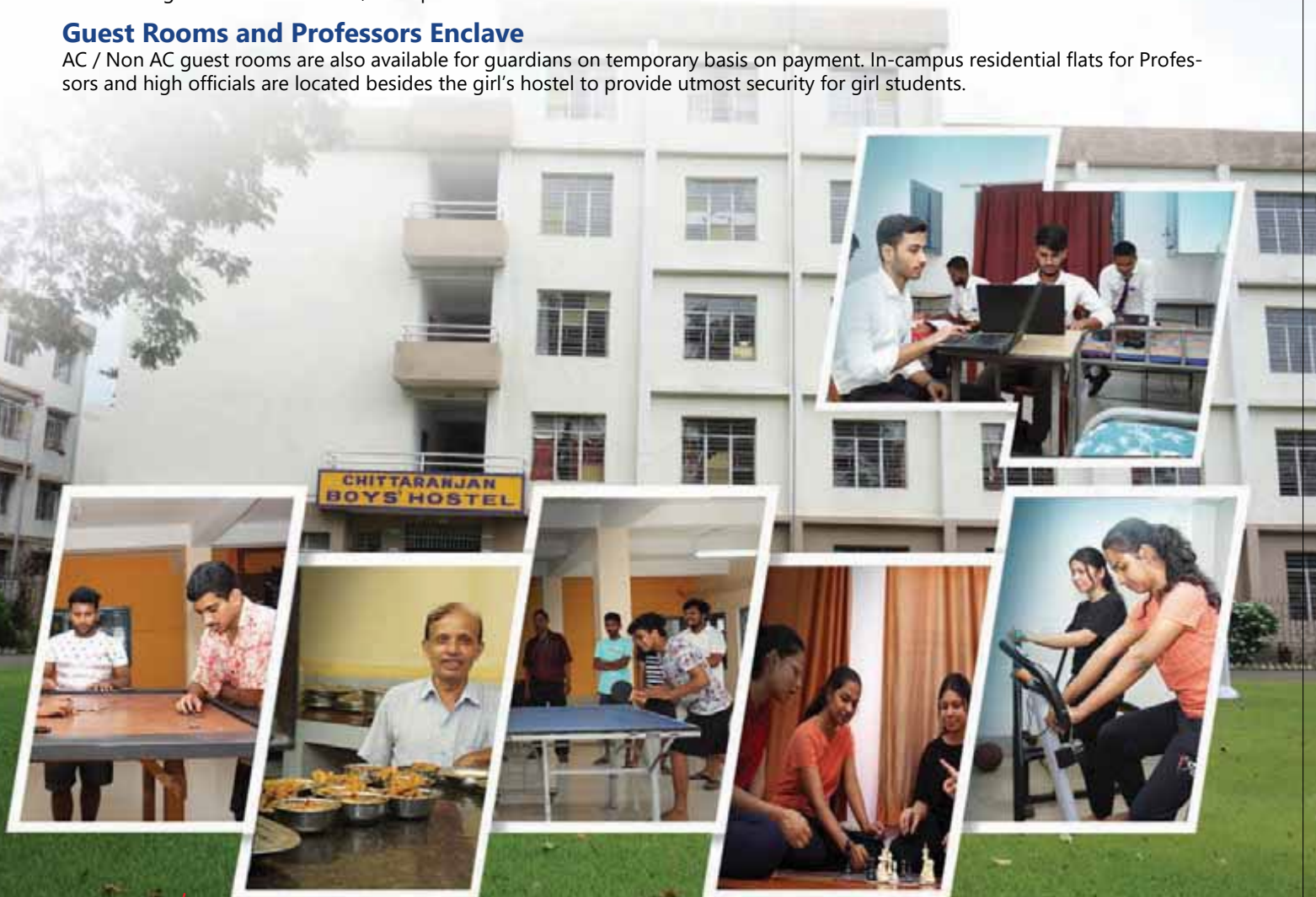
Single and Shared Room accommodation at boys' & girl's hostels, Modern Common Room with TV, Music Systems and Indoor games. First - Aid facilities with 24x7 vehicle for any Emergency | Visitors and Guests Rooms with AC and Generator Facilities | Dining room with hygienic food Security & CCTV Surveillance | Different and dedicated outdoor games for hostels | Dedicated Library for Hosteliers | High end Internet Connectivity (end-to-end OFC) | Cold Water Dispenser | Well-equipped Gymnasium.

Guidelines for Hostel Accommodation

Accommodation at boys' and girls' hostels, being limited, students are advised to apply immediately after admission in separate prescribed form available in our corporate office. Admission to hostels is for one year duration and is subject to renewal annually depending on good conduct. Accommodation is allotted to students based on need, financial position and other allied aspects. Hostel charges and seat rents etc., once paid cannot be refunded.

Guest Rooms and Professors Enclave

AC / Non AC guest rooms are also available for guardians on temporary basis on payment. In-campus residential flats for Professors and high officials are located besides the girl's hostel to provide utmost security for girl students.



INDUSTRY ACADEMIC SUPPORT

AICTE-IDEA LAB - RANK NO.1 IN INDIA

Established in 2021 AICTE - IDEA Lab is a flagship joint venture of AICTE, Ministry of Education, Govt. of India and Dr. B. C. Roy Engineering College, Durgapur. IDEA – Lab in Dr. B. C. Roy Engineering College is one among 104 such laboratories in India. The uniqueness of this laboratory is that it is not only institutional but regional which means any student from any institute of this region can access this laboratory and undertake research work under the guidance of BCREC faculties (Tech Gurus). Only 104 laboratories are there all across the country in institutions, approved and selected by AICTE. According to the evaluation of AICTE, based on the events organized in this laboratory, for the period of April 2022 - March 2023, BCREC AICTE - IDEA Lab has scored the performance point of 6530 securing rank 1 in the country and the record remains till 2024.

IDEA means Idea Development, Evaluation & Application. The objective of this laboratory is encouraging students for application of Science, Technologies, Engineering and Mathematics (STEM) fundamentals towards enhanced hands-on experience and learning by doing.

Idea Lab provides all facilities under one roof, for conversion of an idea into a prototype. It transforms technical education by empowering young minds with cutting-edge tools, processes and skills for ATMANIRBHAR BHARAT.

Academia - Industry relationship building is another feature of AICTE IDEA Lab. Industrial awareness programmes are organized by this laboratory involving local MSME industrialists to make them aware about modern tools which can be used to boost up their productivity.

In the period of 2023 - 2024, BCREC AICTE - IDEA Lab has organized 64 events involving more than 1445 beneficiaries from several educational institutions and industries of this region. With the regular relentless activities like Ideation Workshop, Boot Camps, FDPs, Professional Skilling Programmes, Industrial Awareness programmes BCREC AICTE - IDEA Lab is the best in the country.



AICTE Leadership in Teaching Excellence (LITE)

BCREC has been selected as an AICTE Brand Ambassador of Change, and its students as Change Agents under Leadership in Teaching Excellence Programme (LITE) to strengthen the elite National Engineering Leadership Cadre of Student Software Engineers and the National Education Policy (NEP) 2020 goal to disseminate the modern software engineering knowledge through the proven online teaching-learning methods to a larger cross section of Institutions, faculties and students. The faculty coordinator, Prof. (Dr.) Raj Kumar Samanta has completed all the courses successfully; right now the course structures/syllabi of the above program has been sent to the

University for getting approval for introduction of a Minor Degree Program.

Central Library and Departmental Library

The well-equipped Dr. Meghnad Saha Central Library is housed in a separate sprawling three-storied building with internet connectivity and collections of text books, reference books, CD-ROM/DVD discs and online databases.

The Central Library has a collection of over 97,000 books. It also accommodates a book bank from where students can borrow books for a longer duration. There are also departmental libraries attached to each teaching department. The composite holdings of all these libraries can be accessed from different corners of the college building on OPAC (Online Public Access Catalogue) run on time tested open source software. The library also provides reprographic and inter-library loan services.

DELNET (Developing Library Network)

Our institute is an Institutional Member of DELNET (IM-595). Students can access millions of Networked Library Resources through DELNET IP-Based Discovery Portal. It also avails facilities for DDS (Document Delivery Service)

NDL (National Digital Library of India)

Our college is an Institutional member of NDL (National Digital Library of India), an initiative of Ministry of Education under its National Mission on Education through Information and Communication Technology (NMEICT). National Digital Library (NDL) is a pilot project to develop a framework of virtual repository of learning resources with a single-window search facility. Filtered and federated searching is employed to facilitate focused searching so that learners can find out the right resource with least effort and in minimum time. It is developed and hosted at IIT Kharagpur.

The institute also subscribes to Springer Nature 530 e-journals in Engineering, Computer Science and Management, IEEE(ASPP) package which contains 219 online journals with back files access since 2005 in the fields of Computer Science & Engineering, Electrical, Electronics, Telecom & related disciplines.

NPTEL (National Programme on Technology Enhanced Learning) Local Chapter

BCREC is a Local Chapter of NPTEL (National Programme on Technology Enhanced Learning), an initiative by seven pioneer Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and IISc Bangalore and funded by MOE, Govt. of India. NPTEL provides E-learning through online Web and Video courses in Engineering, Science and Humanities. This initiative offers online courses and certification in various topics. Contents for the above courses are based on the model curriculum suggested by All India Council for Technical Education (AICTE) and the syllabi of major affiliating Universities in India. NPTEL has started offering online certification courses through its portal. There are 10 hours, 20 hours, as well as 40 hours courses offered twice a year.

Center of Excellence for VLSI and Embedded System

Department of Electronics & Communication Engineering (ECE), of Dr. B.C.Roy Engineering College, Durgapur had signed a joint MoU with Xilinx, USA and CoreEL Technologies India

Pvt. Ltd., for up gradation of infrastructure in VLSI, Embedded Domain and other IT related topics and also for research programmes, projects and student internships.

Nodal Center for IIT Bombay- for Spoken Tutorial

Dr. B.C.Roy Engineering College, Durgapur is a Nodal Centre (NC) of IIT- Bombay Spoken Tutorial Project, nominated by Maulana Abul Kalam Azad University of Technology (MAKAUT). This empowers all students pursuing Higher Education to learn a range of IT Skills, from General IT/ Computer Skills, Programming Software to lucrative job oriented software training. The courses are useful for both jobs (Skill focussed courses) and academics (Syllabus focus courses). The program is funded by MOE, Govt. of India and Part of NMEICT. Hence, the Courses, Training, Day to Day Guidance and Certificates are all completely FREE of COST for life.

Professional Society Chapters/Membership

1. Indian Society for Technical Education (ISTE) Chapter
BCREC has an ISTE Chapter (Chapter Code: WB-08) since 2008 with twenty five members.
2. The Institution of Engineers (India) Students' Chapter
BCREC has an IE(I) Students' Chapter (Chapter Code: ECSC/713206/BCRE) with more than hundred student members and twenty faculty members.
3. Computer Society of India (CSI) Membership
CSE & IT of BCREC has CSI membership with four members.
4. IEEE Student Branch
BCREC has IEEE Student Branch with 12 student members.

Research and Development Initiatives

The Research & Development (R & D) Cell is actively working in close association with all the departments to augment the process and helping the young faculty members in framing project proposals in collaboration with premier institutions and industry. Embedded with the existing infrastructure like modern computational facilities, Application Software, Machinery, Instruments and huge knowledge-resource of the faculty, motivational research impetus runs in full-swing in the college. The faculty members continuously update themselves through global research initiatives, consultancy activities, exposure visits, academic development programmes, etc. BCREC is surrounded by several industries like SAIL-DSP, ASP, ISP, Thermal Power Plants, etc., and research organisations like CSIR-CMERI, etc. BCREC fully explores possibility of liaising with them. Project work with SAIL-DSP has already started.

R&D Cell also encourages and organizes different Faculty Development Programs (FDP) and short term training program(STTP), applies for Research Promotion Scheme (RPS) and other projects such as MODROB scheme and helps faculty members to write proposals for receiving funds from different agencies.

● Online International Journal 'BEST'

Dr. B. C. Roy Engineering College (BCREC) published the second online issue of its peer-reviewed international journal, "BCREC Engineering & Science Transaction (BEST)" in June 2021 with ISSN number 2582-9068. This is a biannual journal (2 issues published in a year). The issues contained research articles covering different engineering and scientific fields such as Electrical Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Solid State Physics etc. Papers communicated to the journal are accepted

for publication on the basis of the peer reviewed reports received from potential reviewers in the concerned fields.

● Texas Instruments Innovation Lab

Department of Electronics & Communication Engineering (ECE), of Dr. B.C.Roy Engineering College, Durgapur had signed a joint MoU with Texas Instrument (TI), USA to set up TI Centre of Excellence and TI Innovation Lab for academic and research purpose. TI products are used worldwide by educators and researchers for analog and digital communication, analog circuit design, robotics, mechatronics, control and communication applications.

This TI Centre of Excellence gives students the opportunity to validate their knowledge and skills at a professional level. Hands on experience of work and wide exposure during study period not only enhances our students' chances for early placement but also creates and assures new opportunities for our students in the job market.

Moreover, in the lab, students have developed PCB (Printed Circuit Board) Fabrication Lab. Though it is not included in the University Syllabus but interested students gain the knowledge of fabrication techniques which help them in their future professional life.

MoU with NHAI & BCREC

A Memorandum of Understanding (MoU) was signed between Dr. B. C. Roy Engineering College, Durgapur (BCREC) and National Highways Authority of India (NHAI). This MoU outlined the initiative for mutual cooperation between the two parties. Post signing the MoU, BCREC has voluntarily adopted two stretches of NH; an 18 km stretch from Panagarh to Palsit (6- laning is under construction) and a 14 km stretch from Purulia to Chandil (under construction). NHAI has already provided first phase-wise internship for students of the Department of Civil Engineering with a stipend for two months duration under Institute Social Responsibilities (ISR). Along with this, students may also go for the site visit each month with prior notice.

MOU with CAPGEMINI

Dr. B. C. Roy Engineering College and Capgemini Technology Services India Limited entered into a Memorandum of Understanding for a wide spectrum of teaching, training, skill development and talent acquiring for two years effective from 13th April, 2022. The MOU was signed by the Vice President of CAPGEMINI, Mr. David Saldana and Prof.(Dr.) Sanjay S. Pawar, Principal, Dr. B. C. Roy Engineering College.

Under this Memorandum of Understanding, officials from CAPGEMINI will visit the college campus and hold training programmes for the students from their first year to make them job ready and absorb the successful candidates in the company. It is viewed as a new collaborative journey for converting engineering students to corporate professionals, even before the students entered into their service life. Exchange of thoughts, regular faculty development programmes and training the students for future secure employments in CAPGEMINI were integrated in the agreement which is a great opportunity and a matter of exultation for both the students and faculties of the institution.

Five trees were planted in the Rabindra Kanan of BCREC by five high level officials of CAPGEMINI to make the joint venture memorable for a long time.

MOU between CISR – CMERI and Dr. B. C. Roy Engineering College

A historic MOU was signed between Dr. B.C. Roy Engineering College, Durgapur and CSIR – CMERI (Central Mechanical

Research Institute), Durgapur. Dr. Harish Hirani, the then Director, CSIR – CMERI and Dr. Sanjay S. Pawar, Principal, BCREC, signed the MOU on behalf of their respective organisations on 18th December, 2021 at the Board room of BCREC, in presence of members of the Board of Governors of BCREC.

This MOU of BCREC with this highly prestigious Central Government Research Institute has opened a golden door for the faculty members and students of BCREC for Training, Research and Project Preparation under the guidance of the famous scientists of CSIR – CMERI. Any student of BCREC can avail this opportunity of life changing exposure.

Academia - Industry Collaboration of BCREC on Cyber Security

Dr. B. C. Roy Engineering College signed agreement on 16th February, 2023 with ISOAH DATA SECURITIES PVT. LTD. to skill up the students of Dr. B. C. Roy Engineering College Group of Institutions on the new age technology of Cyber Security.

The agreement was signed between Mr. Tarun Bhattachary, General Secretary of Dr. B. C. Roy Engineering College Society and Mr. Sandip Sengupta, Director, ISOAH Data Security Pvt. Ltd, Kolkata in presence of Principal, BCREC, Dr. Sanjay S. Pawar and other senior officials.

According to the New Education Policy of Government of India emphasis is there on the Academia Industry Collaboration to solve the problems of the society. This agreement is the part of that initiative.

In the first phase, BCREC and ISOAH DATA SECURITIES will up skill 200 B. Tech. students each semester and in the 2nd phase, Cyber Security Events and Hackathon will be organised where industry veterans will attend as the jury members who will connect the industry and academia. Placements will also be done as far as possible from the HACKATHON. It will encourage industry oriented research to analyse the latest cases of cyber crimes and find out their solutions.

Mr. Tarun Bhattacharya said in the press conference that the



objective of the agreement is to create an Ecosystem on Cyber Security to serve the society and industry and administrative organisations which will not only be restricted to Durgapur but eventually expand to the national and international level.

MOU of BCREC with DCG Data Core Systems (India) Pvt. Ltd.

Dr. B. C. Roy Engineering College enters into a new MOU with AI Labs, a group company of renowned multinational DCG Data Core Systems (India) Pvt. Ltd.

It is the third Academia - Industry MOU of BCREC after that with VITTI Foundation of New Delhi and ISOAH Data Securities Pvt. Ltd.

Today the MOU was signed between Dr. Sanjay S. Pawar,

Principal, Dr. B. C. Roy Engineering College and Pinaki Ranjan Ghosh, Chief Operating Officer and Head of Data Core Systems (India) Pvt. Ltd, Kolkata.

Mr. Pinaki Ranjan Ghosh of DCG Data Core said in a press brief that in western developed countries Industries always depend on Academia for Research and Development and Problem Solutions which is not so predominant in our country. But now with the Artificial Intelligence and Machine Learning, Industries must collaborate with Academia for introduction of AIML in manufacturing and finding customized solutions to boost up productivity, cost effectiveness and customer satisfaction.

Institution's Innovation Council (IIC)

The College is recognized by the Higher Education Institutions (HEIs) under the Ministry of Education (ME's), Govt. of India, for establishing Institution's Innovation Council (IIC) working under 'MHRD's Innovation Cell (MIC)'. This Council aims to promote innovation by providing an eco-system in our campus by identifying, mentoring, and nurturing students' innovative and entrepreneurial potential and transforming them into start-up entrepreneurs by offering funding, investment opportunities and networking support to make the innovation and venture successful. Several activities are taken up jointly with IIC each year in the college.

Industry-Institute Partnership Cell (IIPC)

With the onset of globalization and opening up of Indian economy, the competition among industries have become stiff. To bridge the gap between the demand of industries and our urgent need to prepare students for jobs, experts from industry visit regularly to deliver special lectures, seminars to students to build their knowledge on latest cutting-edge technology and make them aware of the industry practices, which ultimately make them job ready.

Entrepreneurship Development Cell (EDC)

Dr. B.C. Roy Engineering College has created budding entrepreneurs over the years through active participation of students in the "EDC" i.e Entrepreneurship Development Cell. The social behavioral aspects and intelligence quotient of the students are nurtured to create innovative projects keeping in mind the social responsibility. Through the EDC we try to help the society at large and also develop the entrepreneurial acumen of the students.

Finishing School Activities

Finishing School activities of the Institute are intended towards giving finishing touches to our students through extensive coaching on communication skills, personality development and professional training activities. The desirable fundamental qualities of an engineer include logical and practical thought process, excellent communication skill and other soft skills, good work ethics, good computer literacy supported by a solid backing of sound technical education. An engineer is viewed as an innovator, planner, designer, manager and a producer of goods and services.

Soft Skills and Personality Enrichment

At BCREC along with focus on academic excellence, the Institute lays a lot of stress on holistic development of students in areas other than core academics which is the need of the hour. Personality development and Soft Skills programs are uniquely developed to groom the students to face the expectation and challenges of the professional world. Students are assessed on a regular basis and regular feedback is taken to ensure overall improvement and enrichment of their personalities. **The sophisticated language lab is used to enhance the communication skills of the students.**

CAMPUS LIFE @ BCREC

In tune with the times.....

Campus Life at BCREC is an amalgamation of serious work and fun which slowly transforms a naive student into a hard-core professional.

The richness of life, the discipline and the culture that has evolved over two decades of BCREC's existence gives a cutting edge over the others, which is so necessary in today's world. The uniqueness springs from its closely knit student community where everyone not only knows everyone else but also remembers them for a lifetime. A unique environment of "Caring & Sharing" is what makes this institution stand out. Despite a highly competitive spirit amongst the student community in the classroom to excel academically, the atmosphere outside the classroom is one of great comradeship. A "fresher" is made to feel absolutely at home, and becomes a part of the student fraternity. Team work is stressed throughout at BCREC, and an atmosphere of cooperation has been carefully nurtured over the years, which makes a student, a leader in every organization that he becomes a part of.

In addition, BCREC lays great emphasis on ethics and a sense of social responsibility. The institute is highly regarded in the corporate world for its efforts to instil these qualities in the minds of tomorrow's engineers and leaders. As a part of co-curricular activities of the curriculum are NSS activities like the Social Afforestation Programme, Blood Donation Camps etc, that develop social awareness among every student back to their roots.

There are conferences, seminars, guest lecturers and workshops where a student is exposed to diverse technologies, ideas and opinions of many industrial stalwarts. Yet, a good part of life will be not just academic. There are events like Horizon - the Tech Fest, ZEAL-the Cultural Fest, Entrepreneurship Week for the budding entrepreneurs and the adrenaline rush of the annual sports meet.

The institution provides effective engineering education in tune with the times. We dare to dream big and invite you to share our dreams, and we have the edge to achieve it.

Social Responsibility Programmes

Students voluntarily participate in various socially responsible causes not just as a part of NSS programme but enthusiastically contribute towards the development of the society. Some of the initiatives taken this year are as follows -

Since its inception the NSS cell of the college has strived to uphold the theme of "Not me, but you". Several activities like blood donation, health camp and awareness drives are carried out as part of the corporate social responsibility of Dr. BC Roy Engineering College, Durgapur. Students participating in these activities gain lifetime experiences which enable them to become better citizens and social leaders.

Some of the activities we have carried out under the NSS umbrella in 2023-24 academic year are detailed below:

- "Digital Creators' Competition" on 5th June, 2024 to celebrate World Environment Day.
- The NCC and NSS cell of the college came together to celebrate World Health Day on 7th April, 2024. Faculty and student members of the respective cells from our college visited "Bamunara Adibasi Abaitanick Primary School". Awareness was spread about health and hygiene practices using posters made by students and health and sanitation kits were distributed.
- Students from our college participated in a Youth Convention organised Swami Vivekananda Vani Prachar Samity on 4th April, 2024.
- Tree Plantation Drive on 23rd November, 2023.
- Literacy Awareness Campaign on 27th September, 2023 in nearby primary school.
- Community Relations Programme (Cloth distribution to the needy) on 10/9/2023
- World Plastic Bag Free Day Rally in July, 2023.

Blood Donation Camp

Organising blood donation camp is a routine yearly programme of Dr. B. C. Roy Engineering College. The last camp was held on 15th November, 2022 at BCREC Campus. The camp was organized with the help of Durgapur Sub Divisional Blood Donor's Forum.



10th International Yoga Day (IYD)

Yoga is internationally recognised as a holistic approach to build strength and immunity. In recognition of its universal appeal, the United Nations declared 21st June as the "International Day of Yoga" on 11 December 2014. Since 2015 onwards 21st June is celebrated as International Day of Yoga throughout the world. Yoga is an important part of Dr. B. C. Roy Engineering College and yoga classes are held for the students on a regular basis. In keeping with the joint directive of Ministry of Education and Ministry of AYUSH, a special one hour session was organised by the NSS unit of the college on 21st June, 2024 to celebrate the 10th International Day of Yoga. The event upheld the message of "Yoga for Humanity" in letter and in spirit.

● Student Clubs/Students' Council

A student, irrespective of which stream he is in, always finds an opportunity to explore interest in various clubs such as The BCREC Creative Mates, Photography Club, or tech Clubs etc. Innovation is the key word and a little initiative can take us to a long way. The formal and informal committees at BCREC involve the students in avenues of life. Students participate in wide range of activities through Student Development Activity Clubs such as the Debate Club, BCREC Creative Mates Photography Club, Karate Club of BCREC, and other formal and informal clubs department wise. Students' Council oversees above activities and partially participates in academic activities through representation in Department Academic Councils (DACs).

● Alumni Association

At BCREC, we consider our alumni as the goodwill ambassadors and they have made us proud by proving their worth wherever they are. The Alumni Association is a platform of interface between our ex-students and the Institute. This platform not only facilitates effective and faster communication among the alumni members but also provides an opportunity to communicate throughout their life.

● ADIEU 2024

Bidding adieu is a moment of joy and grief when we finally say adieu to our Alma Mater. We part with our friends, sometimes forever, and promise to cherish all moments with them in our heart till our death. Another implication of this day is we enter into our professional lives leaving behind the student life.

This year the function was held in each respective Department. All final year students were felicitated by their juniors with flowers, music and dance performance in presence of the General Secretary, Principal, Vice Principal, Registrar, Heads of the Departments and members of faculty and others.

Other Extra-Curricular Activities

● "ZEAL 2K24 Cultural Fest"

Zeal is the annual cultural festival of the students of BCREC which is organised every year with passion and enthusiasm. It is held for two days and students display their artistry with zeal.

ZEAL 2K24 was held on 18th and 19th January 2024 inaugurated at the Dulal Mitra Auditorium and on the make shift stage in the playground also.

This year the programme started with the felicitation of local but famous vocal artist Ms. Suchira Sarkar who also inaugurated the festival ceremonially in the presence of Dr. Satyajit Bose, President, BCREC Society, Mr. Tarun Bhattacharya, General Secretary, BCREC Society, Mr. Jernail Singh, Treasurer, BCREC Society, Dr. Sanjay S. Pawar, Principal, Dr. B. C. Roy Engineering College. Her recitation on request of all charmed the audience.

The proverb "All work No Play makes Jack Dull", cited by Dr. Satyajit Bose, President, BCREC Society in the inaugural programme is the inner belief of the BCREC management in moulding the career and life of its students which is always reflected in every student centric activity of the college.

The first day of the festival was dedicated to the performances of the students and the second day to the guest artists to mesmerize the audience.



● Observation of Swami Vivekananda's 162nd Birth Day

Swami Vivekananda's 162nd birthday was celebrated like previous years on 12th January 2024 with the floral tributes to the statue of Swami Vivekananda in the college campus.



● Sports

Whether a budding sports star of the future or a sporadic exerciser, our state-of-the-art sports facilities, backed up with a selection of excellent services, provide the ideal venue for a range of activities, available to all students, at all levels.

Campus life at BCREC has a vast array of sports activities. The Outdoor facilities include athletics (Track field with all accessories), Football, Volleyball, Basketball, Badminton courts etc. The college provides excellent indoor facilities for table tennis, chess, carom etc. The Annual Sports Day Celebrations are organised every year on a grand scale with enthusiasm and fervour. Cultural and Sports events bolster the confidence and team spirit of the students and participation in sports gives a boost to one's concentration and competitive spirit.



NCC Cadets

This College is the first private college in the locality to start the NCC program being registered at the 14 Bengal Battalion with headquarter at Asansol. Students are encouraged to join the NCC programme. This instills discipline amongst them. The NCC troops invigorated under the leadership of Prof. I/C Smt. S. Lahiri puts up a grand march past in honour of the Indian Tricolour especially on India's Independence Day and Republic Day every year.

[In addition, Baishe Sravan, Republic Day and Independence Day, religious festivals like Janmastami, Sree Sree Saraswati Puja, Viswakarma Puja etc. are celebrated with aplomb and gaiety].

Scholarships and Bursaries

The **Tuition Fee Waiver (TFW) Scheme of AICTE** is available only for undergraduate level engineering course for economically backward meritorious students of West Bengal selected on the basis of merit by State Joint Entrance Examination. Upto maximum of 5% of sanctioned intake per course are available for TFW scheme on supernumerary basis over and above the sanctioned seats for admission. The waiver is limited to the tuition fee only; all other fees except tuition fee will have to be paid by the beneficiary.

West Bengal Student Credit Card Scheme (WBSCCS)

In order to encourage the students to pursue higher studies and to facilitate them with necessary funds for pursuing the same, the Government of West Bengal is supporting the students by providing a Credit Card, having a maximum limit of Rs. 10 lakhs available at nominal rate of 4% simple interest rate per annum, so that the students can avail necessary fund as and when needed for their studies. Dr. B. C. Roy Engineering College, Durgapur, is supporting its students to avail such facility.

West Bengal Financial Scheme (WBFS) is available for economically poor background students on the basis of merit-cum-means. 10% half-free and 10% full-free scholarships are awarded by the college through WBFS. A considerable sum from BCREC Student Development Fund is effectively put to use on account of scholarship for the academic development and improvement of the students.

Minority Welfare Merit-cum-Means Scholarship scheme provided by states like West Bengal, Bihar, Jharkhand, Uttar Pradesh, etc. allows students from poor backgrounds to avail subsidized tuition fees at all the campuses of BCREC. Many students in the past have benefitted from this scheme as well as other schemes available such as the SC/ST and OBC Post-Matric Scholarship Scheme provided by Govt. of India that caters to financial assistance to students from Scheduled Caste/Tribes or other backward classes.

All scholarship applications including WBFS are to be made on-line in the Scholarship portals of various states.



CODE OF CONDUCT

All students must abide by the Rules and Standing Orders of the College. Violation of Rules and Standing Orders of the college or any misconduct inside and outside the College Campus or in Halls of Residence, will render a student liable to disciplinary action and may lead to expulsion from the college. At the time of admission, students will have to sign an Undertaking to this effect which is to be endorsed by the parents/guardians.

Attendance and Examination

The strict observance of attendance and the examination sanctity have been a prime asset of the institute. Each student is required to secure atleast 75% attendance as per WBUT norms in both theory and practical classes. Failure to attain the required percentage debars a student for appearing in semester examinations.

Examination Misconduct

Any action which prejudices the integrity of the University Examinations shall be considered to be an academic misconduct and shall be punishable by appropriate disciplinary action. Academic Misconduct includes cheating in examinations, assignments, project or any other test used in judging students performance in the course of a programme of study. Impersonating another student or entering into agreement with another person to be impersonated is an act of examination misconduct.

Discipline

All students must abide by the rules and standing orders of the college, violation of which or any misconduct inside or outside the college campus may lead to disciplinary action as per the regulations and render a student liable to expulsion from the college. Students have to sign an undertaking to this effect for the above during admission. Further, if as a result of any demonstration or strike, any college hostel property is damaged, the cost will be covered directly from the students who are identified or collectively from such group of students who are responsible for it. In case of non-identification of any student(s) mass fine shall be imposed thereon.

Anti-Ragging Measures

As per the latest amendment to UGC Regulations on curbing the menace of ragging in higher educational institutions, 2009 [<http://www.ugc.ac.in/page/Ragging-Related-Circulars.aspx>]

ragging is defined as – “Any act of physical or mental abuse (including bullying and exclusion) targeted at another student (fresher or otherwise) on the ground of colour, race, religion, caste, ethnicity, gender (including transgender), sexual orientation, appearance, nationality, regional origins, linguistic identity, place of birth, place of residence or economic background.”

Ragging in any form on any student inside or outside the college campus or hall of residence is strictly prohibited as per W.B. Govt. Anti-Ragging Act. Students found indulging in ragging will be subject to strict disciplinary action including expulsion from the college. Supreme Court also has declared ragging as a nasty crime and advised for immediate serious action leading to even jail. The decision of the Chairman of Anti Ragging committee regarding all matters on ragging based on the report of the anti-ragging committee will be final.

Dress Code

Proper dress code helps to bring a sense of discipline, sense of belonging and professional attitude leading to students' achieving a better edge in today's highly competitive job market.

The Institute strictly maintains its Dress Code and ID Card as compulsory for all students. Students not in prescribed uniform and/or not possessing a valid ID Card are liable to be debarred from entering the campus / attending classes. To maintain uniformity of colour and quality, the uniform has to be ordered from the authorized shop in Durgapur, duly approved by the college. Name of the shop will be given during admission. Please note that Dress Kit may be procured from outside as per College uniform sample.

For Boys: Grey Trousers with off-white (light cream) shirts with emblem emblazoned ties, black ties, black shoes with white socks.

For Girls: Grey Skirt with off-white shirt with emblem emblazoned ties, black shoes with white socks. Grey Salwar (Churidar) with off-white (light cream) kameez for girls also may be allowed but is not encouraged. Winter Navy Blue Blazers from November to February for both boys and girls is compulsory. Girls students opting for Salwar-Kameez may wear navy blue cardigan during winter. Earmarked Tie and Metal Emblem will be supplied to each student by the college at a nominal cost during admission.



THE ADMINISTRATIVE AUTHORITIES AND THE OFFICIALS

Prof. (Dr.) Sanjay S.Pawar
Principal

Prof. (Dr.) Khondekar Mofazzal Hossain
Vice-Principal

Prof (Dr.)Arindam Mondal Registrar	Amit Mukherjee Junior Executive	Ajit Kumar Gangopadhyay Language Counsellor	Binay Nayak Attendant
Prof. (Dr.) Rajdeep Ray Dean (Student Welfare)	Sreeparna Bhattacharya Sr. Executive	Tapan Kr Goswami Supervisor/Civil and Maint	Basudeb Chakraborty Attendant
Dr. Aloke Kahali Head (Admin.)	Biplab Paul Supervisor	Bishnu Das Stores and Maint. Asst.	Mamata Bera Attendant
Rajesh Chatterjee General Manager (Admin)	Sukanta Mukherjee Supervisor	Sugata Ghosh Datta Office Assistant	Lalit Nayak Attendant
U.K Sharma Sr.Manager (C.A.& E.)	Rupak Kr Ghosh Supervisor	Debashish Paramanik Office Assistant	Dharamdas Koner Attendant
Indranil Sengupta Sr.System Administrator	Shyamapada Chakraborty Sr. Caretaker	Kajal Ganguly Attendant	Supriyo Chatterjee Games-In-Charge
Kausik Debnath Civil Engineer	Baidyanath Nayak Pharmacist	Md.Saidur Rahman Sr.Electrician	Asit Kr Ghosh Attendant
Sumantra Banerjee Asst.Registrar	Madhusudan Giri Office Assistant	Bhagwan Sharma Helper Electrician	Chayan Mukherjee Office Assistant
Susmita Maitra P.S to Principal	Jayitre Sikdar Sr. Executive	Sanjay Kr Sharma Carpenter	Kartick Ch. Garai Driver
L. C. Das Estate & Maint. Officer	Bivas Roy Executive Assistant	Ashis Chatterjee Priest	Jogendra Prasad Driver
Suman Das Senior Executive	Mintu Das Asst. Telephone Mechanic	Goutam Bose Attendant	

DEPARTMENT OF TRAINING & PLACEMENT

Kolkata/Durgapur		Durgapur Campus (T & P)	
Bipul Chanda	Sr. Training & Placement Officer & In-charge	Prof. Prabal Kr. Sahu , In-charge (T&P Campus)	
Amit Mukherjee	Training & Placement Officer	Prof. Siddhartha Bhowmick , Member	
Arijit Bose	Sr. Training & Placement Officer	Prof. Pranoy Roy , Member	
Ayan Sengupta	Sr. Executive	Prof. (Dr.) Suneeta De , Member	
Debasish Chakraborty	Attendant	Prof. (Dr.) Ritu Rani De (Maity) , Member	
		Prof.Pradipta Pal , Member	
		Samrat Samanta , Lab In-charge (TA)	
		Ayan Singha , Sr. TA	
		Mrs. Firdausi Sayed , Senior Executive (T&P)	
		Deepraj Mondal , Manager (T&P)	

CORPORATE AFFAIRS & PR CELL

Shouvick Kumar Chandra

Sr.Manager & In-charge (Public Relations)

Amitava Ghosh

Manager(Public Relations)

Soumitra Goswami

Executive (Branding)

RESEARCH & DEVELOPMENT CELL

Prof.(Dr.)Sanjay S.Pawar , Chairman (R& D Cell)

Dr. Dola Sinha , Convenor

CENTRAL LIBRARY

Dr. Subal Chandra Biswas

Librarian

Abira Sengupta

Deputy Librarian

Tapas Kr. Ghosh

Asst. Librarian

Ashis Kr Karmakar

Junior Librarian

Soma Ghosal

Junior Librarian

Judhajit Jash

Junior Librarian

Rana Mukhopadhyay

Junior Librarian

Kunal Chakraborty

Junior Librarian

Ashis Bhattacharya

Library Assistant

Sutanu Majumdar

Library Assistant

Indrani Banerjee

Library Assistant

FINANCE

Ravi Sharma

Chief Finance Officer

Subhasish Chawdhury

Manager (Finance)

Pranab Karmakar

Accounts Officer

Santanu Mitra

Accounts Officer

EXAM CELL

Prof. Subhasis Pal

Head (Exam Cell)

Sanjit Das

Sr. Executive

Shankar Bhattacharya

Supervisor (Exam Cell)

CAMPUS ADMINISTRATION & SECURITY

Dhruba Jyoti Mukhopadhyay

(Campus Administrator)

Santosh Kumar Paul

(Dy. Campus Administrator)

Sadar Ali Shaikh

Warden - Boys Hostel

Ramesh Ch. Tarafdar

Warden - Boys Hostel

Pijus Bandhyopadhyay

Warden - Boys Hostel

Amarendra Nath Tripathy

Warden - Boys Hostel

Soma Roy

Matron - Girls Hostel

Sanchita Tantubay

Matron - Girls Hostel

Eti Mandal

Matron - Girls Hostel

Debika Mondal

Matron - Girls Hostel

TECHNICAL SUPPORT STAFF

No.	Name & Designation	No.	Name & Designation
01.	Mr. Arghya Bhattacharya, System Analyst	25.	Mr. Rajib Karmakar, Sr.TA (EE)
02.	Mr. Pranab Kr. Sinha, Online Programme Coordinator	26.	Mr. Ajitesh Bhattacharjee, Sr.TA (CE)
03.	Mr. Satyajit Das, WS Instructor (ME)	27.	Mr. Samarnath Rajak, Sr.TA (ECE)
04.	Mr. Samir Saha, WS Instructor (ME)	28.	Mr. Debabrata Moulick, Sr.Lab Asstt. (BSH)
05.	Mr. Lakshmi Kanta Paul, Sr. TA (ME)	29.	Mr. Surajit Sen, Sr.TA (CE)
06.	Mr.Subir Kr. Pal, Sr. Lab Asstt. (BSH)	30.	Mr. Suvendu Biswas, Sr. TA (M.E.)
07.	Mr. Alok Kr. Das, Sr. WS Asstt. (ME)	31.	Mr. Ayan Sinha, TA (CE)
08.	Mr. Debabrata Sarkar, Sr. TA (ME)	32.	Mr. Sonatan Dutta, TA (ECE)
09.	Mr. Partha Pratim Choudhury, Sr. TA (MCA)	33.	Mr. Samrat Samanta, TA (EE)
10.	Mr. Shantanu Roy, Sr. TA (ECE)	34.	Ms. Anindita Sengupta, TA (CE)
11.	Mr. Saikat Dey, Sr. TA (CSE)	35.	Mr. Partha Sarathi Lakshman, TA (ME)
12.	Mr. Sagar Dutta, Sr. TA (ME)	36.	Mr. Suman Banerjee, TA (CSD)
13.	Mr. Shibdas Ghosh, Sr. TA (ME)	37.	Mr. Aditya Prasad Roy, TA (CE)
14.	Mr. Pulak Sinha Roy, Sr. TA (EE)	38.	Ms. Arpita Dutta , Lab Asstt. (BSH)
15.	Mr. Arup Ghosh , TA (ME)	39.	Mr. Suvankar Dey, TA (ME)
16.	Mr. Surajit Banerjee, Sr. TA (ME)	40.	Ms. Riya Mukherjee, TA (ME)
17.	Mr. Bappaditya Chandra, Sr. TA (CSE)	41.	Ms. Barnali Das, TA (CE)
18.	Mr. Indranil Bhattacharya, Sr. TA (CSE)	42.	Mr. Debojyoti Saha, .TA (IT)
19.	Mr. Rathin Roy, Sr.TA (EE)	43.	Mr. Pravash Kumar Das , Comp. Lab Asst (IT)
20.	Mr. Anupam Kr. Chakraborty, Sr. TA (ME)	44.	Sandip Bhattacharjee, TA (BSH)
21.	Mr. Kallol Chatterjee, Sr.TA (CSE)	45.	Nayan Konar, TA (CSE)
22.	Mr. Santanu Goswami, Sr.TA (IT)	46.	Ashok Ram Tambre , WS Instructor (ME)
23.	Ms. Dolan Das, Sr.TA (ECE)	47.	Gourango Bor, TA (ME)
24.	Mr. Sougata Rudra, Sr.TA (EE)	48.	Monalisa Kar, TA (MCA)



TRAINING & PLACEMENT

Dr. B. C. Roy Engineering College believes in holistic approach for the comprehensive development of its students. **There is difference between being a student and a professional. There is a wide gap between the two.** In this era of competition and artificial intelligence, BCREC feels that success of an educational institution depends on how effectively it is bridging this gap or lessening it. Dr. B. C. Roy Engineering College has set up a dedicated cell as Training and Placement Cell to help develop necessary skills among the students to make them professional leaders of the industries.

This Cell holds training programmes throughout the year to chisel out non professionalism from its students. It conducts mock interviews and invites companies to visit the campus and interact with the students even from the first year of their admission. The cell is accommodated in Acharya Jagadish Chandra Bose building in the college campus and is fully equipped with 200 high end computers and high speed network.

Signing of MOU with CAPGEMINI, is a step to increase the employability of the students and ensure their employments.

More such MOUs are in the pipe line. The thrust of BCREC is not only on teaching but aiding the students get employments as well as inspiring and guiding them towards establishing start – ups in diverse fields.

Companies like Wipro, Capgemini, TCS , IBM , Infosys, Nielson IQ to name a few are the regular valued visitors to the college for campus placements. It is a matter of pride that inspite of unprecedented recession in service sectors, owing to the hangover of Covid - 19 Pandemic, the number of placements of BCREC final year students have broken all past records amounting to 1182 numbers till June 2022 including single and multiple offers from various reputed companies. Since 2019 till mid 2023, BCREC has placed huge number of students by breaking the records year after year.

For the current 2023 batch, students have received so far 840 offers including multiple offers and this figure will go up to newer heights in due course.

No.	RECRUITERS	No.	RECRUITERS	No.	RECRUITERS
01	ACCENTURE INDIA	47	POLAR FANS	93	ETA ENGINEERING PVT. LTD.
02	CAPGEMINI TECHNOLOGY SERVICES I. LTD	48	LADVANTAGE SOLUTION PVT. LTD.	94	KONE ELEVATOR (I) PVT. LTD.
03	TATA CONSULTANCY SERVICES LTD	49	TEGA INDUSTRIES LTD.	95	KND ENGINEERING
04	COGNIZANT TECHNOLOGY SOLUTIONS	50	AIR WATER INDIA PVT. LTD.	96	TEXMACO LIMITED
05	IPSEN TECHNOLOGIES PVT LTD	51	SARRALLE EQUIPMENT'S INDIA PVT LTD.	97	BOSCH LIMITED
06	HINDUSTHAN NATIONAL GLASS & INDUSTRIES LTD.	52	CELEBAL TECHNOLOGIES PVT. LTD.	98	INTERNATIONAL COMBUSTION PVT. LTD.
07	NIHILENT ANALYTICS LTD	53	RELANCE COMMUNICATION	99	KRYPTON GROUP
08	AMDOCS INDIA	54	MICHELIN DIGITAL	100	SU-KAM POWER SYSTEMS LTD.
09	TATA CONSULTING ENGINEERS LTD.	55	KANSAI NEROLAC	101	L&T INFOTECH
10	PERSISTENT	56	SHRIRAM VALUE SERVICES (P) LTD.	102	SASKEN COMMUNICATION TECHNOLOGIES
11	SANMAR GROUP	57	ESAB INDIA	103	OCL INDIA LTD. (Formerly ORISSA CEMENT LTD.)
12	INFOSYS LTD.	58	AMAZON INDIA LIMITED	104	MEGHA ENGINEERING & INFRASTRUCTURES
13	NR SWITCH-N-RADIO SERVICES PVT. LTD.	59	TATA TECHNOLOGIES	105	J.M.C. PROJECTS
14	RT CAMP SOLUTIONS PVT LTD	60	MAHINDRA & MAHINDRA	106	CMC LTD.
15	GLOBAL LOGIC - HITACHI	61	HONEYWELL AUTOMATION INDIA LTD.	107	ESCORT
16	JSW CEMENT INFOSYS LTD.	62	INDUSNET TECHNOLOGIES	108	ZENSAR TECHNOLOGY
17	TCK SYSTEM	63	ATLAS COPCO	109	ITD CEMENTATION
18	HCL TECHNOLOGIES LTD.	64	PAHARPUR COOLING TOWER	110	SOVA SOLAR LTD.
19	COLLABERA	65	ITC INFOTECH	111	SOBHA DEVELOPERS
20	PERSISTENT TECHNOLOGIES	66	CONVERGYS	112	TECH MAHINDRA
21	EXIDE INDUSTRIES LTD	67	TATA POWER LTD.	113	DUFFLON INDUSTRIES
22	BMW INDUSTRIES LTD	68	TRF LTD.	114	KEC INTERNATIONAL LTD.
23	IBM	69	GARUDA POWER	115	ENMAS GB POWER SYSTEMS PROJECTS LTD.
24	INDIAN ARMY	70	DELOITTE LLP	116	TATA STEEL PROCESSING & DIST. LTD.
25	CLOUD KAPTAN	71	MANIKARAN POWER	117	ANGLO EASTERN MERCHANT NAVY
26	SHYAM METALICS & ENERGY LTD	72	COFFEE DAY GLOBAL LTD.	118	HEXAWARE TECHNOLOGIES LTD.
27	ANUPAM ELECTRICALS	73	COMPUTER SCIENCE CORPORATION	119	HIMADRI CHEMICALS
28	PROLIFICS CORPORATION LTD.	74	TATA PROJECTS LTD.	120	ORACLE
29	WIPRO LTD.	75	PROCESS AUTOMATION ENGINEERS LTD.	121	LABVANTAGE
30	INDIAN NAVY	76	TCG DIGITAL	122	JOHNSON CONTROLS
31	ADP	77	HINDUSTAN CONSTRUCTION COMPANY	123	PETRON ENGINEERING CONSTRUCTION PVT. LTD.
32	EXTRA MARKS	78	SECURE METERS LTD.	124	EXILANT TECHNOLOGIES PVT. LTD.
33	L & T CONSTRUCTION	79	SAPIENT	125	KPIT CUMMINS
34	RASHMI GROUP	80	EVALUESERVE	126	CAPSITECH IT SERVICES PVT LTD.
35	TRACTORS INDIA LTD.	81	KOYO ELECTRONICS LTD	127	PATTON
36	VOLTAS	82	STUP	128	SYNAPSE DESIGN
37	ROCKWELL AUTOMATION	83	DAIKIN AIRCONDITION (I) PVT. LTD.	129	RELANCE JIO LTD.
38	SANDVIK	84	GODREJ & BOYCE MANUFACTURING CO. LTD.	130	INDIAN OIL ADANI GAS PVT. LTD.
39	SCHNEIDER	85	WEB SPIDERS GROUP	131	VOITH PAPER TECHNOLOGY (I) PVT. LTD.
40	GE POWER	86	GRAINT THORNTON LLP	132	SAP LABS
41	GENPACT	87	AMIT METALICS	133	JSW STEEL
42	THE FEDERAL BANK LIMITED	88	HUAWEI TECHNOLOGIES	134	NESTLE INDIA LTD.
43	ION EXCHANGE	89	PARADEEP PHOSPHATES LTD.	135	RANKY ENVIRO ENGINEERS
44	TITAGARH RAIL SYSTEMS LIMITED	90	ION EXCHANGE INFRASTRUCTURE LTD.	136	TEOCO CORPORATION
45	AAROHI EMBEDDED SYSTEMS PVT LTD	91	ORIENT FANS	137	ITC LTD.
46	ASAHI INDIA GLASS LTD.	92	ASIA MOTOR WORKS	138	INDIAN OIL ADANI VENTURES

INDUSTRY SUPPORT : VOCATIONAL TRAINING

The Vocational Training Programme is compulsory for all B.Tech students as per MAKAUT curriculum. The duration of VT is at least one & half months. It is to be completed during the periods between end of 3rd year, sixth semester and beginning of 4th year seventh semester.

No.	INDUSTRY / INSTITUTE	PLACE	No.	INDUSTRY / INSTITUTE	PLACE
01	DURGAPUR STEEL PLANT	DURGAPUR	44	CESC LTD.	KOLKATA
02	DURGAPUR PROJECTS LTD.	DURGAPUR	45	DVC, MAITHAN	DHANBAD
03	PHILIPS CARBON BLACK LTD.	DURGAPUR	46	BANDEL THERMAL POWER STATION	BANDEL
04	CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE	DURGAPUR	47	WEST BENGAL STATE ELECTRICITY DISTRIBUTION CO. LTD.	DURGAPUR
05	ALLOY STEELS PLANT LTD.	DURGAPUR			ASANSOL
06	DURGAPUR THERMAL POWER STATION	DURGAPUR			JALPAIGURI
07	NTPC SAIL POWER CO. LTD.	DURGAPUR	48	CENTRAL INSTITUTE OF MINING & FUEL RESEARCH	DHANBAD
08	TATA STEEL	JAMSHEDPUR	49	NML INDIA LTD.	KOLKATA
09	WIPRO INFOTECH	KOLKATA	50	TATA MOTORS LTD.	JAMSHEDPUR
10	STG INTERNATIONAL LTD.	KOLKATA	51	BAKRESWAR THERMAL POWER STATION	BAKRESWAR
11	IBM, ACE	KOLKATA	52	URANIUM CORPORATION LTD.	JHARKHAND
12	VARIABLE ENERGY CYCLOTRON CENTRE	KOLKATA	53	GRAPHITE INDIA LTD.	DURGAPUR
13	CHITTARANJAN LOCOMOTIVE WORKS	CHITTARANJAN	54	HIND MOTORS LTD.	HOOGHLY
14	HINDUSTAN AERONAUTICS LIMITED	BARRACKPORE	55	NATIONAL METALLURGICAL LABORATORY	JAMSHEDPUR
15	WBPDC	KOLKATA	56	INDO-DANISH TOOLROOM	JAMSHEDPUR
16	NTPC	FARAKKA	57	HALDIA DOCK COMPLEX	HALDIA
17	NTPC, BARH	BIHAR	58	GARDEN REACH SHIP BUILDERS & ENGINEERS LTD.	KOLKATA
18	TATA TECHNOLOGIES LTD.	JAMSHEDPUR	59	DELHI METRO	NEW DELHI
19	TATA CONSULTANCY SERVICES	KOLKATA	60	AIRPORT AUTHORITY OF INDIA	BAGDOGRA, ANDAL
20	GOOGLE SUMMER PROJECT	KOLKATA	61	APEEJAY TEA LTD. / OIL INDIA DHULIAJANS	ASSAM
21	INFOSYS	KOLKATA	62	TATA RYERSON	JAMSHEDPUR
22	DISHERGARH POWER SUPPLY	DISHERGARH	63	ARDENT COLLABORATIONS	DURGAPUR
23	NALCO	ORISSA	64	CMC LIMITED	KOLKATA
24	NTPC, CHATTISGARH	CHATTISGARH	65	GLOBSYN TECHNOLOGIES LTD.	KOLKATA
25	BSNL	AGARTALA	66	MICROPRO	KOLKATA
		BANKURA	67	INDIAN AIRLINES	KOLKATA
		SILIGURI	68	SAHA INSTITUTE OF NUCLEAR PHYSICS	KOLKATA
		PURULIA	69	L & T LTD.	KOLKATA
		NADIA	70	VODAFONE	KOLKATA
		RANCHI	71	RAGHUNATHPUR THERMAL POWER STATION	PURULIA
26	RELIANCE INFOCOM LTD.	KOLKATA	72	BHILAI STEEL PLANT	BHILAI
27	MEJIA THERMAL POWER STATION	MEJIA	73	CENTRAL COALFIELDS LTD.	RANCHI
28	IETE	KOLKATA	74	NORTH EASTERN ELECTRIC POWER CORP LTD.	SHILLONG
29	EASTERN RAILWAY	KOLKATA	75	ISM	DHANBAD
30	BHARTI AIRTEL LTD.	KOLKATA	76	TATA METALICS LTD.	KHARAGPUR
31	SOUTH EASTERN RAILWAY	KOLKATA	77	HINDUSTHAN COPPER LTD, ICC, MOUBHANDAR	JHARKHAND
32	INDIAN OIL CORPORATION LTD.	BARAUNI	78	TRS SHED, EASTERN RAILWAY	HOWRAH
33	EASTERN COALFIELDS LTD.	DISHERGARH	79	CMPDI	RANCHI
34	TATA CHEMICALS LTD.	HALDIA	80	BHARAT COKING COAL LTD.	DHANBAD
35	CETE	KOLKATA	81	N.F. RAILWAYS	SILIGURI
36	JESSOP	KOLKATA	82	PWD	DHANBAD,
37	INSTRUMENTATION LIMITED	KOTA			BURDWAN,
38	SATLUJ JAL VIDYUT NIGAM	JALPAIGURI			ASANSOL,
39	TATA COMMUNICATIONS LTD.	KOLKATA			TRIPURA,
40	POWER GRID CORP.	KOLKATA			COOCHBEHAR,
41	WELLMAN FAN INDUSTRIES	KOLKATA			DURGAPUR
42	NTPC, FARAKKA	FARAKKA	83	MTPS	MEJIA
43	HINDUSTHAN PETRO CHEMICALS LTD.	HALDIA	84	DOORDARSHAN KENDRA	KOLKATA
					ASANSOL
					PATNA
			85	SAPOORJI AND PALONJI LTD.	PUNE
			86	UNIQUE PROCON PVT. LTD.	DURGAPUR
			87	TATA POWER	

OUR STUDENTS SAY...



Presently, I am working in West Bengal State Electricity Transmission Company Limited as Divisional Engineer(EE) in Testing Department. The job profile is purely on the core subject and involves commissioning, testing of different electrical equipment, protective relays along with trouble shooting jobs within minimum possible time incase of power failure. I owe my full gratitude to my college for the respectable position I am holding in the society presently.



Soumyajit Dhara
2004 passout



When I first started at Dr. B.C. Roy Engineering College, I was unsure about my future and anxious about the different challenges I was heading forward to face. But my college gave me the support and confidence to grow both personally and professionally. It gave me an opportunity to enrich my knowledge, to learn and to grow gradually.

Throughout my 4 years of engineering at BCREC, I had countless opportunities to develop analytical skills, leadership and proactive thinking through various programs and events. Though academics stood as the most important pillar, students had opportunities to express themselves in various events like Cultural Fests, Technical Fests, Entrepreneurship Week celebration, Sporting Events, NCC and NSS events and many other technical workshops, seminars and Paper presentations. These attributes were the key reasons because of which I was successfully placed at 'iGate Global Solutions'(Now Capgemini). Big thanks to all my faculty members and friends for this amazing journey. Now, I am serving in the office of Controller General of Account, Ministry of Finance, Govt of India as a Senior Officer.



Ankan Pal
(2007-2011)



I'm proud and grateful to be a part of Dr. B. C. Roy Engineering College. The facilities in this college are perfect for students to acquire essential knowledge and improve themselves. As a lateral entry student, I wasn't expecting placement opportunities, but it turned out to be a dream come true. I want to express my gratitude and appreciation to all the faculty members for their guidance and efforts to enhance students' lives.



Laxmi Kumari
Batch: 2022



With great pleasure, I would say that Dr. B. C. Roy Engineering College is one of the best colleges to pursue a career with top-class faculty in the country. The faculty from the Computer Science and Engineering (CSE) department of this college not only prioritize studies but also encourage us to excel in all aspects, consistently.



Dilip Kumar
Batch: 2022

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After a nine years experience with IT giant Wipro, followed by Cognizant, at present I deal with entrepreneurship. It's a web development and digital marketing company, based in Kolkata. Though I belonged to the second batch of the college, yet I consider myself a part of the pioneer and privileged cluster who still share an immense rapport with the college.



I still remember the day when we had first entered the college premises in June 2001. With two additional buildings for workshop and the canteen stood aloof, the college bore the just on mark infrastructure and facilities. But even with the limited infrastructure, what BCREC had an excellent faculty of professors and lecturers. Each of them was a storehouse of extensive knowledge and the bond they shared with us was impeccable. If it was about learning engineering, BCREC was the perfect destination under the first ever formed West Bengal University of Technology (WBUT), now known as MAKAUT. Thanks to the faculty for their never ending support!

Recalling the infrastructural development, our batch had actually seen the college being shaped up. With two further storeys and the computer labs with the modern amenities had marked the milestone for the journey of BCREC till date. Who can forget those technical and cultural events in the college? With constant support from the authorities, Horizon and Zeal were two special platforms where the bond grew stronger between the authorities and us.

Visiting the college today, as an alumni makes me feel proud to see the amazing development and the zenith of prosperity my alma mater holds a testimony to. Even the placement history of the students of BCREC proves remarkably good with proper training and grooming sessions, from the institute have paved the path smoother for the students.

I strongly stand by BCREC even today with a proud smile.

Suchintita Ghosh (Dey)
Batch: 2005



“It was a great time spent in BCREC. It has wonderful and cooperative faculty. Apart from academic, department offered various opportunities to excel further and enjoy our college days. With utmost support from professors, I personally groomed myself 360 degrees of life expectations. A big thanks to all my teachers for pioneering us.”

”

Rajib Kumar Banerjee
2004 CSE.

Currently working as Sr. Enterprise Application Engineer in ABB India Ltd.

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“Very few people you meet actually become dear to you” and Professors of Electronics & Instrumentation Engineering (EIE) Dept are certainly like them. They teach more from their practical experiences than from Course books. They can be easily approached by the students for any problems. Even after passing out, they have motivated and guided me for all these years. They are friends and Mentors to whom I can look upon at any point of time. Thank you Teachers for everything.



Biswajit Neogi
2007 Batch Topper
Advanced Systems Engineer at Honeywell

The Multi Disciplinary Approach

In today's time, technology and knowledge centered professional education go hand-in-hand. The Institution promises to deliver high-end value-added education to the undergraduate students in these two professional areas to make them ready for the industry.

And the BCREC advantage - integrated infrastructure, state-of-the-art computer laboratories, modern libraries and information networking, twenty-four hour net connectivity, scope for consultancy and research activity etc. are integral to the Department. The glittering faculty, the in-depth courses, the hands-on business and project experience at internal and external sources, the vision-mission values of the institution - all go into the shaping of students into dynamic young management personnel who will provide leadership in various key areas in the years to come.

BCREC feels that this newer inclusion in its knowledge sharing programme will lead to many more avenues for growth of the institution and open its doors to more young people and help them to achieve their career dreams.

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