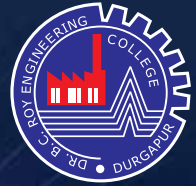


B.TECH, M.TECH, MCA PROSPECTUS 2023



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*Mentoring
the Next-gen
Thinkers...*



DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR

Affiliated to Maulana Abul Kalam Azad University of Technology, West Bengal (Formerly WBUT) & Approved by AICTE
NBA Accredited for Five Programmes, NAAC, NIRF Ranking 2022 (201-250) Ranked Institute.



INSTITUTION'S
INNOVATION
COUNCIL
Ministry of Education, Government of India

COMMITTED TO EXCELLENCE IN EDUCATION



Board of Governors

1	Chairman	Prof. (Dr.) Binay K. Dutta, Former Professor at Indian Institute of Technology, Kharagpur
2	Advisor	Prof. (Dr.) Saikat Maitra, Advisor BCREC Group and Former Hon'ble Vice Chancellor, MAKAUT, W.B
3	Member	Director, Directorate of Technical Education, Govt of W.B.
4	Member	Prof. (Dr.) Arup Mukherjee, Former Professor, Department of Chemical Technology, University of Calcutta, representing MAKAUT
5	Member	Dr. Aloknath De, Director, CTO Leadership, Samsung Electronics, Industry Representative
6	Member	Prof. (Dr.) Swapan Kr. Mondal, Professor, Kalyani Govt. Engg. College Representing Higher Education Dept., Govt. of West Bengal
7	Member	Prof. (Dr.) Arup Sinha, Vice President & Utility Head , Virtuoso Consulting & Technology LLC.
8	Member	Prof. (Dr.) Keshab Bhattacharya, Professor (EE), Jadavpur University, Educationist
9	Member	Prof. (Dr.) Swapan Bhattacharya, Former Director, NIT, Suratkal & NIT, Durgapur
10	Member	Dr. Dipankar Chakrabarti, Executive Director, PWC India
11	Member	Dr. Satyajit Bose, President, BCREC Society & Chairman, The Mission Hospital
12	Member	Shri T. Bhattacharya, General Secretary, BCREC Society
13	Member	Shri J. Singh, Treasurer, BCREC Society
14	Member	Shri R. Roychowdhury, Asst. Secretary, BCREC Society
15	Member	Smt. Mita Mitra, Vice-President, BCREC Society
16	Member	Prof.(Dr.) Narendra Nath Pathak, Dean (Alumni) - Faculty representative, BCREC
17	Member	Prof.(Dr.) K. M. Hossain, Vice-Principal, Faculty representative, BCREC
18	Member (Secretary)	Prof. (Dr.) Sanjay S. Pawar, Principal

Contents

Vision, Mission and Quality Policy	1
Message from the Hon'ble Vice Chancellor , MAKAUT	2
Message from the President	3
Foreword from the General Secretary	4
Message from the Principal	5
The Institute Overview	6
BCREC Campus & Awards	7
Programmes Offered (Engineering & MCA)	8
Computer Science and Engineering	9-10
Computer Science and Design	11-12
Computer Science and Engineering (Artificial Intelligence and Machine Learning)	13-14
Computer Science and Engineering (Data Science)	15-16
Information Technology	17-18
Electrical Engineering	19-20
Electronics and Communication Engineering	21-22
Mechanical Engineering	23-24
Civil Engineering	25-26
About Basic Science & Humanities Department	27-28
Masters of Computer Applications (MCA)	29-30
Admission Process (B.Tech, M.Tech & MCA)	31-32
B.Tech	33-34
B.Tech (Lateral)	34-36
M.Tech	37
MCA Fees	38
Late Fine & Dress Kit	39
Campus Facilities	40-41
Accommodations	42
Industry Academic Support	43-47
Campus Life @ BCREC	48-50
Code of Conduct	51
The Administrative Authorities and Officials	52-53
Technical Support Staff	54
Training & Placement	55
Vocational Training	56
Our Students Say	57-58
Media Reflections	59-60

Fees



KARMAYOGI
DR. B. C. ROY
BUST SIZE STATUE
INAUGURATED BY
DR. GOPAL P. SINHA
DIRECTOR / CMERI
ON
1ST FEBRUARY, 2006



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.

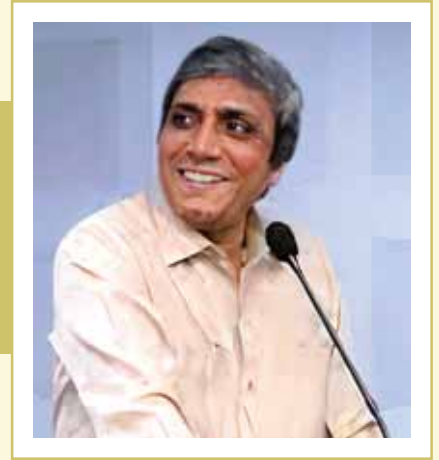


Quality Policy

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 The Hon'ble **Vice-Chancellor,** MAKAUT



During my official visits to different parts of West Bengal in last few years, I had opportunity to be at the campus of Dr. B. C. Roy Engineering College and Group of Institutions on several occasions. Its location at the centre of Asansol – Durgapur Industrial Belt, sprawling vibrant campus, spacious infrastructure and strength of faculties, students and above all presence of absolutely committed entrepreneurs drew my attention and I could identify its future growth potential. The MAKAUT Nodal Centre for entire Southern West Bengal is, naturally, located at BCREC Campus, Durgapur.

Academic programmes and their sincere implementation in all the institutions under its fold is the prime strength of this Educational Group and the day is not far for this institution to upgrade itself as a truly advanced centre of learning and research in the country.

My best wishes to all the members of faculty, officers, students, staff and the college management of all the four institutions, namely, BCREC, BCR-APC, BCRCP and BCRP including post graduate programmes, M. Tech, M. Pharm, MBA and MCA to put in their best and lead these institutions to the right level of eminence at the earliest.

There is an adage that an institution is known by its teachers. With highly experienced and matured teaching faculty and thousands of talented students, I wish this powerful Group of Institutions all success.

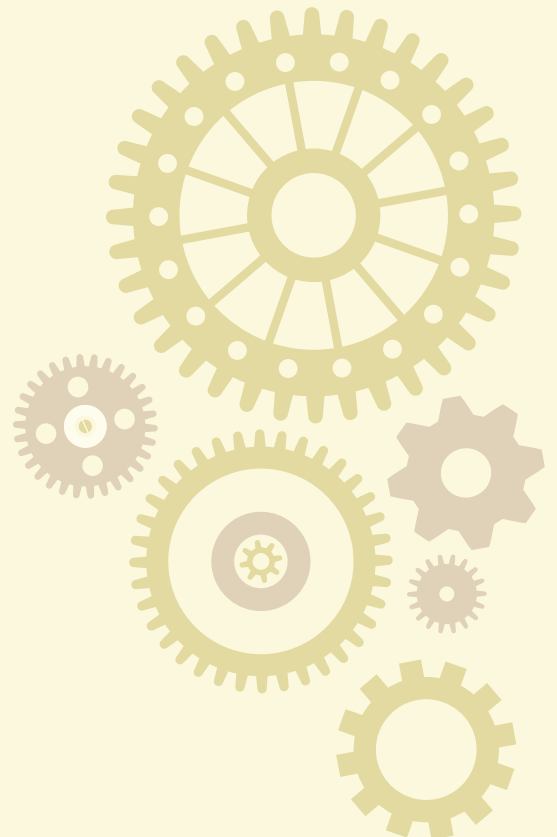
Saikat Maitra

(Professor Saikat Maitra)

Vice Chancellor

Maulana Abul Kalam Azad University of Technology

12th February, 2023



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.

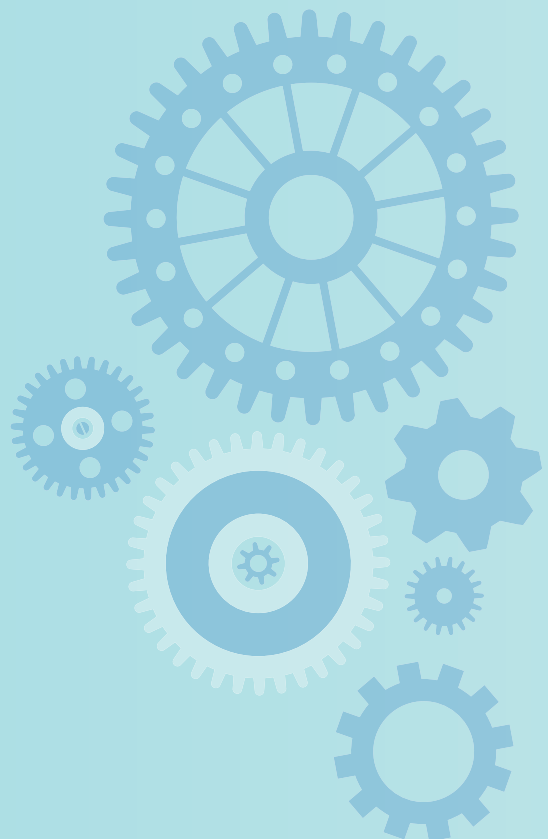
Here's wishing you all the very best and God Bless for a bright and successful future to all students.

A handwritten signature in black ink that reads "Satyajit Bose". The signature is written in a cursive style and is underlined with a single horizontal stroke.

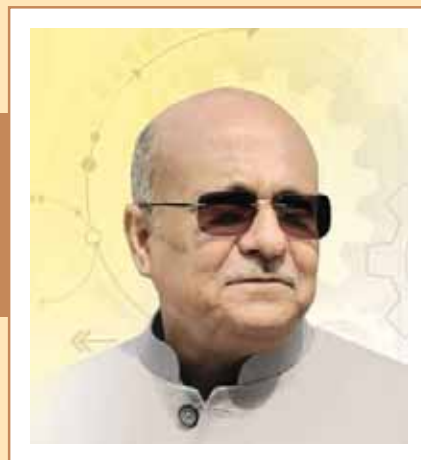
Dr. Satyajit Bose

President,

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



Foreword from The General Secretary



When meaningful dreams of a few potential entrepreneurs combine with steely determination, great creations take shape for the benefit of humanity.

As an outcome of such a collective dream, Dr. B. C. Roy Engineering College, Durgapur initiated its noble journey in August, 2000 C.E , to develop skilled manpower in the form of engineering graduates, to help faster growth of our country. Today, after about 23 years, this institution stands tall in this region as a proud flagship of three more illustrious institutions, all located at Durgapur and vying with each other in healthy competition to overtake one another in attaining supreme academic excellence, the ultimate dream of every worthy institution anywhere in the world.

Much awaited 25 years of glorious existence of BCREC with many a laurel on her head, is just a little over one year away from now. Naturally, the institution today, is buzzing with a plethora of developmental activities, some of which deserve a mention for the knowledge of our students and guardians.

From early 2022, an Innovation and Incubation Hub is being created on a 10,000 sqft., Corporate standard accommodation in collaboration with eminent VITTI Research Foundation, New Delhi to create valuable learning opportunities for both students and faculties to promote Invention, Innovation, Research, Project Work and even Startups of different hues to enhance silently, the hidden potential lying within each member of BCREC fraternity.

"BCREC Artificial Intelligence and Emerging Technology Foundation named as (BAIET)"- this future oriented project has made some progress and is expected to spearhead to make our students, industry ready. This one will help also to catch up and maintain parity with fast changing global technology scenario, to give much required dynamism in the existing academic thought process and collective outlook.

MOU has already been signed recently in between India famous CMERI, Durgapur and Dr. B. C. Roy Engineering

College to promote mutual cooperation mainly in the fields of innovation, research, and training as both the organizations are located pretty close to each other.

A unique MOU with Capgemini, one of our major recruiters of students has recently been signed wherein provisions are there to deliver systematic training from first year of B.Tech itself, to enable them to be absolutely ready for appointment as soon as they get their B.Tech degrees. We have provided them matching computer laboratories for the ease of teaching, learning endeavours.

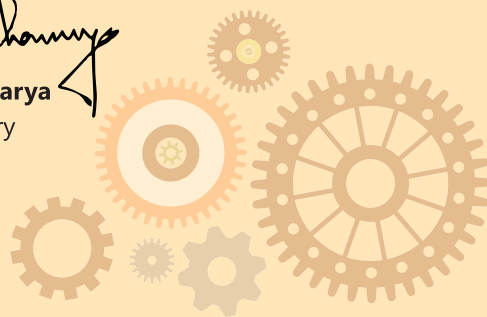
Initiatives are in advanced stage of implementation to have a tie up with Anglia Ruskin University, U.K., keeping the esteemed British Council, U.K. in the loop. A project on Sustainable Business Opportunities and Growth, endowed by British Council, U.K has been completed with support and mutual cooperation from ARU, U.K.

NAAC Accreditation, NIRF Ranking for 2022 , and five numbers of NBA Accreditations, is indeed a matter of great pride. Recent achievements of our AICTE IDEA LAB to secure 1st position in India among 106 such other IDEA Labs is a glowing testimony to the ever growing intrinsic qualities and value additions of this entire group of institutions. This reflects in multiple ways including overall enlightenment of students silently, as well as matching record breaking placements, as a part of the entire process of advancement.

Young minds with great dreams are welcome.



Tarun Bhattacharya
General Secretary



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 three programmes Mechanical Engineering(ME), Electrical Engineering(EE) all core programmes and Information Technology (IT) a technology course. Progressing for consistency, we already have two programmes Electronics and Communication Engineering (ECE) and Computer Science and Engineering (CSE) accredited and we are going ahead with the new cycles. 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, sic-club etc. Enigneering 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 facilites 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 distinct programmes, 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 in 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
- BAIET Foundation
- IIT Mumbai Spoken Tutorial

AWARDS & ACHIEVEMENTS

Tech Fest of Kharagpur IIT - MEGALITH

It is matter of great pride that the students of Dr. B. C. Roy Engineering College, Durgapur won prizes in the Tech Fest of Kharagpur IIT. The Tech Fest - MEGALITH - was organized by the Civil Engineering Department of IIT kharagpur from 3rd March 2023 to 5th March 2023, in its campus. Eleven students from Civil Engineering Dept. and two students from Mechanical Engineering Dept. of BCREC participated in the fest. All the participating students won prizes.

One group won the first prize in the event "INSTRIDGE" and other two groups won the second prizes in the events "ROTOLARE" and "CRIAR" Rotolare".

A group of students presented an automated water pulling and distribution system without any use of external energy which was appreciated a lot.

Science & Engineering Fair- 2023

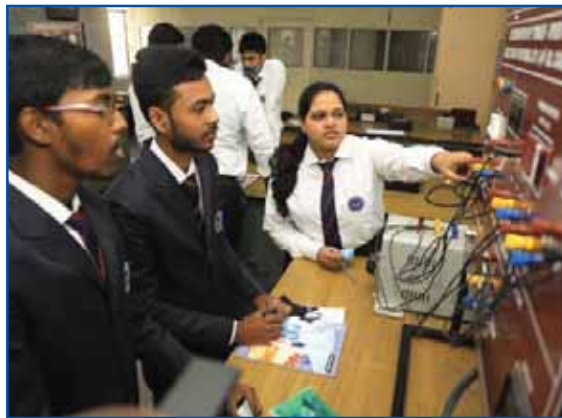
Five students of the Department of Civil Engineering, Dr. B. C. Roy Engineering College drew much attention with their innovative projects on Alternative Uses of Waste Materials in the Science and Engineering Fair, organized by Birla Industrial and Technological Museum under the National Council of Science Museum, Ministry of Culture, Govt. of India, from 10th to 13th January, 2023, at BITM Campus, Kolkata.

Sabyasachi Nandi and Jhilik Bandyopadhyay demonstrated their project on "Uncontrolled Rising of Waste Mounds in Open - Landfills and Possible Solutions to Restrict It with Sustainable MSW Management". Prakash De, Kashinath Bhadra and Sonalpriyo Banerjee of the same department displayed their project on "Partial Replacement of Bitumen with Waste Oil and Waste Plastic as Sustainable Bio - Asphalt. In all 22 groups participated in the event from different states of Eastern India.

13th Inter University Engineering, Science & Technology Academic Meet 2023 & Innovative Model Competition for a Sustainable Society.

Mr. Amit Kumar, an M. Tech student of Mechanical Engineering Dept. of Dr. B. C. Roy Engineering College stood first in a national level competition for presenting his paper on "Behavior Analysis of Hydrodynamic Bearing used in Wire Rod Block Mill". The paper was presented on 13th Inter University Engineering, Science & Technology Academic Meet 2023 & Innovative Model Competition for a Sustainable Society, organized by Forum of Scientists, Engineers & Technologists in association with Moulana Abul Kalam Ajad University of Technology along with other premier institutes on 23rd April, 2023 in the campus of Sister Nivedita University.

B.TECH (UG programme) - 4 Yrs.	INTAKE
Computer Science and Engineering	120
Computer Science and Engineering (Artificial Intelligence and Machine Learning)	30
Computer Science and Design	60
Information Technology	60
Computer Science and Engineering (Data Science)	60
Electrical Engineering	120
Electronics and Communications Engineering	120
Mechanical Engineering	60
Civil Engineering	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 Department
(Re-Accredited from 2020 to 2023)

EMAIL
hod.cse@bcrec.ac.in

Contact
9233300909

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

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 a part of the institute since its inception in the year 2000. The department got its first NBA accreditation for the period 2009 –12 and obtained NBA accreditation for the second time for the period 2016-2019. The department was again re-accredited by the NBA for the period 2020 – 2023.

The pedagogy followed by the department is outcome-based education and interactive teaching-learning method. The department offers an undergraduate and a post-graduate program in engineering. The intake per year in the undergraduate program is 120, and in the post-graduate program is 18. The department's laboratories are well equipped with PCs of the latest configurations. The department also has a separate library, seminar room, and digital classroom.

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

The department has an excellent placement record. Students of the department are well-placed, holding positions of responsibility in multinational companies across the globe. Our students are placed in various top MNCs like Capgemini, TCS, Infosys, IBM, Tech Mahindra, Wipro, Accenture, Mind Tree, etc. Some students also get admitted to 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 of Research Institutes, and Industries all over 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	81
Conference/s	117
Book Chapter/s	21
Patent granted/published	04

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 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.Raj Kumar Samanta	Professor	Ph.D
04	Dr.Chandan Bandyopadhyay	Associate Professor	Ph.D, (Post-Doc)
05	Dr.Pabitra Kumar Dey	Associate Professor	Ph.D
06	Dr.Sumana Kundu	Associate Professor	Ph.D
07	Dr.Falguni Chakraborty	Asst. Professor	Ph.D
08	Dr.Anirban Bose	Asst. Professor	Ph.D
09	Dr.Subir Gupta	Asst. Professor	Ph.D
10	Abhijit Aditya	Asst. Professor	M.Tech
11	Chandan Das	Asst. Professor	M.Tech
12	Bappaditya Das	Asst. Professor	M.Tech
13	Hiranmay Samaddar	Asst. Professor.	ME
14	Suvobrata Sarkar	Asst. Professor	M.Tech
15	Saindhab Chattaraj	Asst. Professor	M.Tech
16	Amitabha Mandal	Asst. Professor	M.Tech
17	Sabbir Reza Tarafdar	Asst. Professor	ME
18	Kalpna Roy	Asst. Professor	M.Tech
19	Biswajit Mondal	Asst. Professor	M.Tech
20	Biswadeb Goswami	Asst. Professor	M.Tech
21	Sanjib Saha	Asst. Professor	M.Tech
22	Sayed Zahir Hasan	Asst. Professor	M.Tech
23	Anandaprova Majumder	Asst. Professor	M.Tech
24	Ruma Ghosh	Asst. Professor	M.Tech
25	Biswajit Saha	Asst. Professor	ME
26	Banasree Chatterjee	Asst. Professor	M.Tech
27	Rajib Kumar Mondal	Asst. Professor	M.Tech
28	Sovan Bhattacharya	Asst. Professor	M.Tech
29	Joyjit Patra	Asst. Professor	M.Tech
30	Swadhin Mondal	Asst. Professor	M.Tech
31	Debkanta Chakraborty	Asst. Professor	MS
32	Monalisa Chakraborty	Asst. Professor	ME
33	Nasim Anjum Haque	Asst. Professor	M. Tech

COMPUTER SCIENCE AND DESIGN

EMAIL
csd@bcrec.ac.in

Contact
933336958

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

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 is 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 covers 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	10
Conference/s	10
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. Dipa Naik	Asst. Professor & Head	Ph. D.
02	Prasenjit Maji	Asst. Professor	M. Tech
03	Parag Kanti Chattopadhyay	Asst. Professor	M. Tech
04	Atanu Maity	Associate Professor	MBA



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)	30

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 in 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	12
Conference/s	19
Book Chapter/s	01
Patent granted/published	00

PROFESSIONAL BODIES

- Google Developers Student Club (GDSC)

Program Educational Objectives

After few years of graduations, 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	Arnab Banerjee	Asst. Professor	M.Tech
03	Susanta Karmakar	Asst. Professor	M.Tech



Dr. Satyajit Bose, President, Dr. B. C. Roy Engineering College Society offering Gift Cheque to the Winning Team at the Smart India Hackathon 2022

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

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. Saibal Majumder	Assistant Prof & Head	PhD
2.	Dr. D.S.Rao	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. Debaprasad Mukherjee	Professor	Ph.D
03	Dr. Dinesh Kr. Pradhan	Asst. Professor	Ph.D
04	Dr. Moumita Pradhan	Asst. Professor	Ph.D
05	Md. Keramot Hossain Mondal	Asst. Professor	M.Tech
06	Prabal Kumar Sahu	Asst. Professor	ME
07	Priyanka Roy	Asst. Professor	ME
08	Manas Kumar Roy	Asst. Professor	ME
09	Paramita Manna	Asst. Professor	ME
10	Amit Kr. Mukherjee	Asst. Professor	M.Tech
11	Sandip Chakraborty	Asst. Professor	M.Tech
12	Ramprasad Chakraborty	Asst. Professor	M.Tech



ELECTRICAL ENGINEERING

NBA Accredited Department

EMAIL

office.ee@bcrec.ac.in

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 (2022-23)

Description	Total No.
Journal/s	12
Conference/s	46
Book Chapter/s	05
Patent granted/published	05
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 under 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	Associate 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. Chaity Sarkar	Asst. Professor	Ph.D
06	Dr. Tapan Kumar Chattopadhyay	Asst. Professor	Ph.D
07	Dr. Tushnik Sarkar	Asst. Professor	Ph.D
08	Dr. Sourav Paul	Asst. Professor	Ph.D
09	Dr. Sanjoy Kumar Saha	Asst. Professor	Ph.D
10	Dr. Sneha Sultana	Asst. Professor	Ph.D
11	Dr. Bijoy Laxmi Koley (Midya)	Asst. Professor	Ph.D
12	Dr. Kamalika Tiwari	Asst. Professor	Ph.D
13	Dr. Ritu Rani Dey	Asst. Professor	Ph.D
14	Dr. Soumen Mallick	Asst. Professor	Ph.D
15	Dr. Chandan Paul	Asst. Professor	Ph.D
16	Dr. Kingsuk Majumdar	Asst. Professor	Ph.D
17	Dr. Soumen Biswas	Asst. Professor	Ph.D
18	Anupam Sinha	Asst. Professor	M.Tech
19	Mou Das Mahapatra	Asst. Professor	M.Tech
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	Soham Dey	Asst. Professor	ME
26	Saradindu Mondal	Asst. Professor	M.Tech
27	Adhit Roy	Asst. Professor	M.Tech
28	Suman Dasgupta	Asst. Professor	M.Tech

ELECTRONICS AND COMMUNICATIONS ENGINEERING

NBA Accredited Department
(Re-Accredited from 2020 to 2023)

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 a 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 always consistent and outstanding placement record with a high package. The number of placed students in ECE has been the highest in 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 environments as the process of life-long learning.

FACULTY

Sl. No.	Name of Faculty	Designation	Highest Qualifications
01	Dr. Narendra Nath Pathak	Professor & HOD	Ph.D
02	Dr.Khondekar Mofazzal Hossain	Professor	Ph.D
03	Dr. Sarit Pal	Professor	Ph.D
04	Dr. Tapas Mondal	Associate Professor	Ph.D
05	Dr. Tribeni Prasad Banerjee	Associate Professor	Ph.D
06	Dr. Alope Saha	Associate Professor	Ph.D
07	Dr.Rajdeep Ray	Asst. Professor	Ph.D
08	Dr.Aritra Bhowmik	Asst. Professor	Ph.D
09	Dr. Mrinmoy Chakraborty	Asst. Professor	Ph.D
10	Dr.Rajib Banerjee	Asst. Professor	Ph.D
11	Dr.Sourav Moitra	Asst. Professor	Ph.D
12	Dr.Ankita Mitra	Asst. Professor	Ph.D
13	Dr.Abhijit Banerjee	Asst. Professor	Ph.D
14	Dr.Ardhendu Sekhar Chattopadhyay	Asst. Professor	Ph.D
15	Dr.Anup Kr. Das	Asst.Professor	Ph.D
16	Dr.Anirban Chattopadhyay	Asst.Professor	Ph.D
17	Dr.Ramkrishna Rakshit	Asst.Professor	Ph.D
18	Dr.Shibendu Mahato	Asst.Professor	Ph.D
19	Keka Hajra	Asst. Professor	M.Tech
20	Dipta Chaudhuri	Asst. Professor	M.Tech
21	Debipriya Dutta	Asst. Professor	M.Tech
22	Moutusi Mondal	Asst. Professor	M.S
23	Nilkamal Bhunia	Asst. Professor	ME
24	Pradipta Sarkar	Asst.Professor	M.Tech
25	Tapas Roy	Asst. Professor	M.Tech
26	Koustav Roy	Asst. Professor	ME
27	Subhadra Deb Roy	Asst.Professor	M.Tech
28	Surajit Batayabal	Asst.Professor	M.Tech
29	Samujjal Ray	Asst. Professor	M.Tech
30	Moloy Mukherjee	Asst.Professor	M.Tech
31	Soumendra Pain	Asst.Professor	M.Tech
32	Koushik Ghosh	Asst.Professor	M.Tech
33	Atin Mukherjee	Asst.Professor	M.Tech

MECHANICAL ENGINEERING (ME)

EMAIL

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	98
Conference/s	73
Book Chapter/s	19

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	Shyama Charan Chakrabarty	Associate Professor	M.Tech
11	Partha Sarathi Bose	Asst. Professor	M.Tech
12	Suman Karmakar	Asst. Professor	M.Tech
13	Subhajit Bhattacharya	Asst. Professor	M.Tech
14	Chitta Sahana	Asst. Professor	M.Tech
15	Arka Banerjee	Asst. Professor	M.Tech
16	Siddhartha Bhowmick	Asst. Professor	M.Tech
17	Rakesh Biswas	Asst. Professor	M.Tech
18	Deepak Kumar	Asst. Professor	M.Tech
19	Koushik Chatterjee	Asst. Professor	M.Tech

CIVIL ENGINEERING (CE)

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

VISION

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

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

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LABORATORIES

- Solid Mechanics Lab
- Surveying and Geomatics
- 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
- 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	86
Conference/s	65
Book Chapter/s	25

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 progressing to IITs, NITs, IEST for M.Tech after qualifying GATE examination
- Students qualified various Government Jobs e.g. WBPS, BPSC, RRB, JPSC etc.
- Associated with professional bodies e.g. IEI, IGS(Kolkata Chapter)

Last Year Achievements:

- More than 70% students are placed in core and software companies
- 30% students received multiple job offers
- Paid internship for 20 students offered by NHAI
- First and Second Prizes in IIT Kharagpur Tech Fest Megalith 2023, India's biggest tech fest for Civil Engineering
- Innovative Idea presented by students in at Eastern India Science and Engineering Fair 2023 organized by Birla Industrial and Technological Museum in association with Government of West Bengal

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	Asso. Professor & HOD	Ph.D
02	Dr. Sabyasachi Chandra	Professor	Ph.D
03	Dr. Shovan Roy	Asst. Professor	Ph.D
04	Dr. Sayantan Dutta	Asst. Professor	Ph.D
05	Arijit Kr. Banerji	Asst. Professor	M.Tech
06	Md. Hamjala Alam	Asst. Professor	M.Tech
07	Chanchal Das	Asst. Professor	ME
08	Amit Kotal	Asst. Professor	M.Tech
09	Anindita Pan	Asst. Professor	M.Tech
10	Anupam Kumar Biswas	Asst. Professor	M.Tech
11	Pranoy Roy	Asst. Professor	M.Tech
12	Soumyadip Das	Asst. Professor	ME
13	Koyndrik Bhattacharjee	Asst. Professor	M.Tech



ABOUT BASIC SCIENCE AND HUMANITIES DEPARTMENT

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 makes 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. Jayanta Pal	Associate Professor	Ph.D
03	Dr. Suneeta De	Associate Professor	Ph.D
04	Koushik Senapati	Associate Professor	M.Tech
05	Dr. Madhusree Kole	Asst. Professor	Ph.D
06	Dr. Jaya Bhattacharjee (Mukherjee)	Asst. Professor	Ph.D
07	Dr. Shashi Bajaj Mukherjee	Asst. Professor	Ph.D
08	Dr. Santanu Kumar Patra	Asst. Professor	Ph.D
09	Dr. Taniya Chakraborty	Asst. Professor	Ph.D
10	Dr. Avijit De	Asst. Professor	Ph.D
11	Dr. Sukalpa Dey	Asst. Professor	Ph.D
12	Dr. Sourav Bhattacharya	Asst. Professor	Ph.D
13	Sarabjeet Lahiri	Asst. Professor	MA
14	Debadrita Sen	Asst. Professor	MA
15	Subhashish Pal	Asst. Professor	M.Sc
16	Sreejata Sen Sarma	Asst. Professor	M.Sc
17	Sudip Kr. Gorey	Asst. Professor	M.Sc, M.Phil
18	Sukarna Dey Mondal	Asst. Professor	M.S
19	Sohini Ghosh	Asst. Professor	MA



MASTERS OF COMPUTER APPLICATIONS (MCA)

Post-Graduate Course	Current Intake
Masters of Computer Applications (MCA) 2 years)	60

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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 infuriate 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 is a pioneer department of the Dr. B. C. Roy Engineering College, Durgapur, established in 2005. 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	28
Conference/s	19
Book Chapter/s	04

PROFESSIONAL BODIES

It is a honour for the Institute to host the SWAYAM NPTEL Local Chapter, the IEEE Student Branch Programme, 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 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: 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. Amartya Neogi	Associate Professor & HOD	Ph.D
2	Debasis Guha	Assistant Professor	M.Tech
3	Ansuman Mahanty	Assistant Professor	M.Tech
4	Subhrangsu Chandra	Assistant Professor	M.Tech
5	Pradipta Pal	Assistant Professor	M.Tech
6	Uday Kumar Banerjee	Assistant Professor	M.Tech
7	Anupam Baidya	Assistant Professor	M.Tech
8	Purnendu Ruj	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-2023 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 31-12-2023. There is no upper age limit. A candidate born on or after 1-1-2007 is not eligible to appear in the WBJEE 2023.

Eligibility Criteria

- a. 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.
- b. Must have obtained atleast 45% marks (40% in case of reserve category candidates) in the above three subjects taken together.
- c. Must have passed English in the '10+2' examination.
- d. 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 :

- (a) Admit Card / Mark sheet of the qualifying examination showing the candidate's date of birth.
- (b) Admit Card of JEE 2023/ JEE (Main) 2023, bearing candidate's Registration No. and Examination Centre.
- (c) 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.
- (d) Character Certificate from Head of the Institution last attended.
- (e) Discontinuity Certificate, if any.
- (f) 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.
- (g) 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 Modern 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, Sr. 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) 2023-2027

	EE/ME/CE/CSD/ CSE(AIML)/CSE(DS)	CSE /IT/ECE
1. (a) Tuition and Development Fee per year** [To be paid in January and July in two equal installments]	₹ 80,000 ₹ 82,000 ₹ 84,000 ₹ 86,000	₹ 88,000 (for 1st Year) ₹ 90,200 (for 2nd Year) ₹ 92,400 (for 3rd Year) ₹ 94,600 (for 4th Year)
(b) Total Caution Money Deposit (one time) [Refundable]		₹ 12,000 with hostel facility ₹ 10,000 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		₹ 9,000*
ii) Monthly Mess Charge		₹ 4,800* P.M.
5. University Examination Fee Per Semester		To be fixed by MAKAUT (at present ₹ 1,200)
6. MAKAUT Student Development Fund		₹ 2,200 (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 a two semester periods.

Limited Single Room Occupancy available @Rs.30,000 per semester basis.

FEE STRUCTURE (B.TECH-CSE/IT/ECE)

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

	1st Sem. (Jul -Dec 2023)	2nd Sem. (Jan-Jun 2024)	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	5,000	-	-	-	-	-	-	-
Tuition Fee	44,000	44,000	45,100	45,100	46,200	46,200	47,300	47,300
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	10,000	-	-	-	-	-	-	-
MAKAUT Student Dev Fund	2,200	-	-	-	-	-	-	-
MAKAUT Registration Fee	500	-	-	-	-	-	-	-
Prospectus with Form	1,000	-	-	-	-	-	-	-
Dress Kit	5,900	-	-	-	-	-	-	-
Total (Without Hostel)	71,050	46,450	47,550	47,550	50,650	48,650	49,750	49,750
Seat Rent	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000
Mess Charge	24,000	24,000	28,800	24,000	28,800	24,000	28,800	24,000
Hostel Caution Money	2,000	-	-	-	-	-	-	-
Total (With Hostel)	1,06,050	79,450	85,350	80,550	88,450	81,650	87,550	82,750

PAYMENT AT THE TIME OF ADMISSION

NB: The entire amount of **Rs.1,06,050** with Hostel and **Rs.71,050** 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. 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

FEE STRUCTURE (B.TECH-EE/ME/CE/CSD/ CSE(AIML)/CSE(DS))

Semester Payment for B.Tech EE/ME/CE /CSD/CSE(AIML)/CSE(DS) Branches

	1st Sem. (Jul -Dec 2023) ₹	2nd Sem. (Jan-Jun 2024) ₹	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	5,000	-	-	-	-	-	-	-
Tuition Fee	40,000	40,000	41,000	41,000	42,000	42,000	43,000	43,000
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	10,000	-	-	-	-	-	-	-
MAKAUT Student Dev Fund	2,200	-	-	-	-	-	-	-
MAKAUT Registration Fee	500	-	-	-	-	-	-	-
Prospectus with Form	1,000	-	-	-	-	-	-	-
Dress Kit	5,900	-	-	-	-	-	-	-
Total (Without Hostel)	67,050	42,450	43,450	43,450	46,450	44,450	45,450	45,450
Seat Rent	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000
Mess Charge	24,000	24,000	28,800	24,000	28,800	24,000	28,800	24,000
Hostel Caution Money	2,000	-	-	-	-	-	-	-
Total (With Hostel)	1,02,050	75,450	81,250	76,450	84,250	77,450	83,250	78,450

PAYMENT AT THE TIME OF ADMISSION

NB: The entire amount of **Rs.1,02,050** with Hostel and **Rs.67,050** 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. 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

FEE STRUCTURE (B.TECH) (LATERAL) 2023-2026

	CSE/IT/ECE	CSD/CSE(AIML) CSE(DS)	EE/ME/CE
1. (a) Tuition and Development Fee**	For 2nd Year	₹ 90,200	82,000
[To be paid in January and July	For 3rd Year	₹ 92,400	84,000
in two equal installments]	For 4th Year	₹ 94,600	86,000
(b) Total Caution Money Deposit (one time)		₹ 12,000	with hostel facility
[Refundable]		₹ 10,000	without hostel facility
2. Library Fee		₹ 1,500	
[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		₹ 9,000*	
ii) Monthly Mess Charge		₹ 4,800*	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.

FEE STRUCTURE (B.TECH) (LATERAL) 2023-2026

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

	3rd Sem. (Jul -Dec 2023) ₹	4th Sem. (Jan-Jun 2024) ₹	5th Sem. (Jul -Dec 2024) ₹	6th Sem. (Jan-Jun 2025) ₹	7th Sem. (Jul -Dec 2025) ₹	8th Sem. (Jan-Jun 2026) ₹
Admission Fee	5,000	-	-	-	-	-
Tuition Fee	45,100	45,100	46,200	46,200	47,300	47,300
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	5,900	-	-	-	-	-
Total (Without Hostel)	71,600	47,550	49,650	48,650	49,750	49,750
Seat Rent	9,000	9,000	9,000	9,000	9,000	9,000
Mess Charge	24,000	24,000	28,800	24,000	28,800	24,000
Hostel Caution Money	2,000	-	-	-	-	-
Total (With Hostel)	1,06,600	80,550	87,450	81,650	87,550	82,750

PAYMENT AT THE TIME OF ADMISSION

NB: The entire amount of **Rs.1,06,600** with Hostel and **Rs.71,600** 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.

Semester Payment for B.Tech CSD/CSE(AI ML) /CSE(DS) Branches

	3rd Sem. (Jul -Dec 2023) ₹	4th Sem. (Jan-Jun 2024) ₹	5th Sem. (Jul -Dec 2024) ₹	6th Sem. (Jan-Jun 2025) ₹	7th Sem. (Jul -Dec 2025) ₹	8th Sem. (Jan-Jun 2026) ₹
Admission Fee	5,000	-	-	-	-	-
Tuition Fee	41,000	41,000	42,000	42,000	43,000	43,000
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	5,900	-	-	-	-	-
Total (Without Hostel)	67,500	43,450	45,450	44,450	45,450	45,450
Seat Rent	9,000	9,000	9,000	9,000	9,000	9,000
Mess Charge	24,000	24,000	28,800	24,000	28,800	24,000
Hostel Caution Money	2,000	-	-	-	-	-
Total (With Hostel)	1,02,500	76,450	83,250	77,450	83,250	78,450

PAYMENT AT THE TIME OF ADMISSION

NB: The entire amount of ₹ **1,02,500** with Hostel and ₹ **67,500** 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.

Semester Payment for B.Tech EE/ME/CE Branches

	3rd Sem. (Jul -Dec 2023)	4th Sem. (Jan-Jun 2024)	5th Sem. (Jul -Dec 2024)	6th Sem. (Jan-Jun 2025)	7th Sem. (Jul -Dec 2025)	8th Sem. (Jan-Jun 2026)
	₹	₹	₹	₹	₹	₹
Admission Fee	5,000	-	-	-	-	-
Tuition Fee	30,750	30,750	31,500	31,500	32,250	32,250
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	1650	-	-	-	-	-
MAKAUT Registration Fee	500	-	-	-	-	-
Prospectus with Form	1,000	-	-	-	-	-
Dress Kit	5,900	-	-	-	-	-
Total (Without Hostel)	57,250	33,200	34,950	33,950	34,700	34,700
Seat Rent	9,000	9,000	9,000	9,000	9,000	9,000
Mess Charge	24,000	24,000	28,800	24,000	28,800	24,000
Hostel Caution Money	2,000	-	-	-	-	-
Total (With Hostel)	92,250	66,200	72,750	66,950	72,500	67,700

PAYMENT AT THE TIME OF ADMISSION

NB: The entire amount of **Rs.92,250** with Hostel and **Rs.57,250** 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.)**

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) 2023-2025

- | | |
|---|---|
| 1. (a) Tuition and Development Fee** Per Semester
[To be paid in January and July] | : ₹50,000 |
| (b) Total Caution Money Deposit (one time)
[Refundable] | : ₹7,000 with hostel facility
₹5,000 without hostel facility |
| 2. Library Fee Per Semester
[To be paid in January and July] | : ₹1,000 |
| 3. University Registration Fee (one time) | : To be fixed by MAKAUT (At present ₹500/-) |
| 4. Hostel Fee (Semester wise) | |
| i) Seat Rent | : ₹9,000* |
| ii) Monthly Mess Charge | : ₹4,800* 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

	With Hostel ₹	Without Hostel ₹
i) Admission Fee	5,000	5,000
ii) Tuition Fee (1st Semester)	50,000	50,000
iii) Total Caution Money (Refundable)	7,000	5,000
iv) Seat Rent (1st Semester)	9,000	-
v) Mess Charge (1st Semester)	24,000	-
vi) Registration Fee (One time)	500	500
vii) MAKAUT Student Development Fund (One Time)	1,100	1,100
viii) Examination Charge of MAKAUT	1,200	1,200
ix) College Students Welfare Fund	1,000	1,000
x) Library Fee	1,000	1,000
xi) Prospectus (with Form)	1,000	1,000
Total	1,00,800	65,800

* The entire above amount of ₹ 1,00,800 with hostel and ₹ 65,800 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 Semester (Jan'24-June'24) ₹	3rd Semester (July'24-Dec'24) ₹	4th Semester (Jan'25-June'25) ₹
Tuition Fee	50,000	50,000	50,000
Examination Fee	1,200	1,200	1,200
Library Fee	1,000	1,000	1,000
College Student Welfare Fund	1,000	1,000	1,000
Total (Without Hostel)	53,200	53,200	53,200
Seat Rent	9,000	9,000	9,000
Mess Charge	24,000	28,800	24,000
Total (With Hostel)	86,200	91,000	86,200

FEE STRUCTURE (M.C.A) 2023-2025

- | | |
|---|---|
| 1. (a) Tuition and Development Fee** per year
[To be paid in January and July in two equal installments] | : ₹80,000 |
| (b) Total Caution 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] | : ₹2,000 |
| 3. University Registration Fee (one time) | : To be fixed by MAKAUT (At present ₹500/-) |
| 4. Hostel Fee (Semester wise) | |
| i) Seat Rent | : ₹9,000* |
| ii) Monthly Mess Charge | : ₹4,800* PM |
| 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)	40,000	40,000
iii) Library Fee	1,000	1,000
iv) Total Caution Money (Refundable)	7,000	5,000
v) Seat Rent (6 months)	9,000	-
vi) Mess Charge including breakfast & amenities	24,000	-
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	5,900	5,900
Total	96,700	61,700



* The entire above amount of ₹ 96,700 with hostel and ₹ 61,700 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 Semester (Jan'24-June'24)	3rd Semester (July'24-Dec'24)	4th Semester (Jan'25-June'25)
	₹	₹	₹
Tuition Fee	40,000	40,000	40,000
Examination Fee	1,200	1,200	1,200
Library Fee	1,000	1,000	1,000
College Student Welfare Fund	1,000	1,000	1,000
Traning Fee	-	2,000	-
Total (Without Hostel)	43,200	45,200	43,200
Seat Rent	9,000	9,000	9,000
Mess Charge	24,000	28,800	24,000
Total (With Hostel)	76,200	83,000	76,200

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@bcrc.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. Trousers (Siyaram Suiting)	2 Sets @ ₹800	₹ 1,600
2. Full Sleeve Shirt (Duratex Shirting)	2 Sets @ ₹700	₹ 1,400
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		₹ 5,900



Girls (Dress Kit) – CHOICE - B

1. Skirt (Siyaram Suiting)	2 Sets @ ₹800	₹ 1,600
2. Full Sleeve Shirt (Duratex Shirting)	2 Sets @ ₹700	₹ 1,400
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		₹ 5,900

Girls (Dress Kit) – CHOICE - C

1. Salwar Suit (Duratex Shirting)	2 Sets @ ₹1,275	₹ 2,550
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		₹ 5,900



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. 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

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 conduct 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 trust 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.



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.



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 Commodore R. Ghosh, VSM (Retd.) 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 students 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.



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 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

AICTE - IDEA Lab is a flagship project of Dr. B. C. Roy Engineering College. This Laboratory is a joint venture of All India Council of Technical Education and Dr. B. C. Roy Engineering College. The uniqueness of this laboratory is that it is not only institutional like other 46 laboratories of the college but regional. 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 106 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.

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 their productivity.

In the period of 2022 - 2023, BCREC AICTE - IDEA Lab has organized 70 events involving more than 1250 beneficiaries from almost 20 educational institutions and 10 industries of the adjacent area. With the regular relentless activities like Ideation Workshop, Boot Camps, FDPs, Professional Skilling Programmes, Industrial Awareness programmes BCREC AICTE - IDEA Lab is now 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 90,000 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 LIBSYS 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). Accesses 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 331 e-journals in Engineering, Computer Science and Management, IEEE(ASPP) package which contains 192 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.

● MESIICON 2022

In 2022, MESIICON – The international Interdisciplinary Conference of Mathematics, Engineering and Science – 2022 was hosted by Dr. B. C. Roy Engineering College from 11 November to 12 November, 2022. IEEE, Kolkata Section was the technical sponsor of the conference. It was a hybrid online and offline conference covering participants from all over the world.

The inaugural programme was held on physical mode on 11 November, 2022, at Dulal Mitra Auditorium of Dr. B. C. Roy Engineering College, Durgapur. The inauguration was done by Prof. (Dr.) Anupam Basu, the then Director, NIT, Durgapur and the Chief Guest of the programme.

Dr. Satyajit Bose, Chairman, Dr. B. C. Roy Engineering College Society, Dr. Susanta Ray, Secretary, IEEE, Kolkata Section, Dr. Sanjay S. Pawar, Principal, Dr. B. C. Roy Engineering College and Dr. Rajib Banerjee, Organising Chair of MESIICON were present on the occasion.

Dr. Sanjay S. Pawar, Principal, Dr. B. C. Roy Engineering College, said that the students who were attending the conference would have a true international exposure and would be able to know what technological researches were going on all over the world.

Dr. Susanta Ray said that IEEE accepts papers which have great values and researchers should maintain ethics in their work otherwise their innovations will misguide others while applying that to solve social problems.

Dr. Valentina E. Balas, Professor, Aurel Vlaicu University of ARAD, Romania, presented her research on Soft Computing Application and explained how computer is going to operate with the energy efficiency of the human brain, on virtual mode from Romania

Out of 174 papers submitted to the conference, 56 were accepted which was 43% in ratio. A group of external experts judged those papers and 46 papers were recommended by them to the organising committee for publishing in IEEE Xplore Website.

Dr. Rajib Banerjee welcomed all the guests and audiences.



● 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 NHA & BCREC

A Memorandum of Understanding (MoU) was signed between Dr. B. C. Roy Engineering College, Durgapur (BCREC) and National Highways Authority of India (NHA). 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). NHA 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 CSIR – 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.

Dr. B. C. Roy Engineering College Artificial Intelligence and Emerging Technologies Foundation (BAIET)

In the backdrop of 'Make in India' and 'Skill India Mission', there is a call of the time for intense Academia – Industry

collaboration in India. Though, in this respect, India is lagging behind other developed countries, the context is changing very fast. The Academia – Industry Collaboration is going to play a significant role with the advent of Artificial Intelligence and Emerging Technologies.

Changes in technologies are not adopted in industrial production systems with the same pace of innovations. Lack of awareness and attitudes of Industrialists or Industrial Authorities and exigency of investment always play a major role as great barriers for transformation. We must encounter these factors to make India a manufacturing hub which is meant by "Make - in - India".

Dr. B. C. Roy Engineering College, being situated in the steel city of Durgapur is in close proximity to several industries like SAIL, IISCO, DVC, ECL, Maithon Power Limited (MPL) etc.

As a Centre of Excellence of Technical Education, dedicated to the development of the country, BCREC has founded, in collaboration with VITTI Foundation, New Delhi, "Dr. B. C. Roy Engineering College Artificial Intelligence and Emerging Technologies Foundation (BAIET)" to engage itself with the eco - system of the local Industries with Project Consultancy, Training and Development in order to enhance their productivity and efficiency using AI and Emerging Technologies. BAIET is the first research foundation on AIML and Emerging Technologies for case to case customized research and providing solutions to the industries in this region.

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 Bhattacharya, 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.

Joint Programme with Durgapur Steel Plant

An elocution competition was held on the occasion of Vigilance Week – 2022 from 31st October to 6th November, 2022, to commemorate the birth anniversary of Sardar Ballabh Bhai Patel. The topic of the competition was “Corruption is Detrimental to the Development of the Nation”. The objective of the programme was to make aware and motivate the students to weed out corruption from organisations.

The programme was inaugurated by Mr. A. Roy Chowdhury GGM (Vigilance), ACVO, DSP & ASP, in the presence of Mr. Sumon Saha, (GM, Vigilance - in - Charge), Mr. Ramanuj Deb, (GM, Vigilance - in - Charge), DSP and Dr. K. M. Hossain, Vice Principal, BCREC.

“A Pledge for Citizen” prepared by Central Vigilance Commission” was read out at the programme by Mr. Sumon Saha, (GM, Vigilance - in - Charge).

A total of 48 students from different engineering and professional colleges participated in the programme. Elocutionists deliberated on several aspects of corruption in the society and vouched to fight against the evil.

Dr. Sankha Ghosh from NSHM stood first in the competition. Nandini Pandey and Sohoni Dutta from Dr. B. C. Roy Engineering College stood second and third respectively in the competition.

Institution's Innovation Council (IIC)

The College is recognized by the Higher Education Institutions (HEIs) under the Ministry of Human Resource Development (MHRD), 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.

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.

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.**

Recent Seminars & Workshops

Smart India Hackathon 2022

Smart India Hackathon is a nationwide initiative to engage and provide students of the country a platform to solve some of the pressing problems of the society.

In 2022, Dr. B. C. Roy Engineering College was chosen as one of the 75 nodal centres all over the country for SIH Software Edition. The programme was held from 25 to 26 August, 2022, on hybrid mode.

Twenty two teams, comprising 132 students from different universities and colleges from North and South India came to Dr. B. C. Roy Engineering College, Durgapur to deliberate and find out technological solutions for security related problems vested upon them by Madhya Pradesh Police.

The programme was inaugurated on physical mode at Dulal Mitra Auditorium of Dr. B. C. Roy Engineering College with the lighting of lamp by the Chief Guest, Dr. Mamta Agarwal, Advisor, AICTE, and Guest of Honour Dr. Anupam Basu, Director, NIT, Durgapur, Dr. Satyajit Bose, President, Dr. B. C. Roy Engineering College Society and the Chairman, The Mission Hospital, Durgapur, Dr. Sanjay S. Pawar, Principal, BCREC, Mr. Anil Waychal, Head, BCREC Nodal Centre and Prof. Keramat Hossain Mondal, SPOC of BCREC Nodal Centre.

Dedicated support by the entire Team of volunteers earned a great appreciation for successful management of the programme.

Prime Minister of India, Narendra Damodar Das Modi, virtually addressed the HACKATHON and talked to the selected students to know the importance and scope of their inventions.

Students from PSG College of Technology and Indian Institute of Information Technology, Kottayam, jointly won for the Big Data Security Problem Statements.

Dr. Mahalingam College of Engineering and Mount Zion College of Engineering and Technology jointly won the Drone Neutralization Technology in the City.

International Institute of Information Technology, Bengaluru won for "Vehicle Number" Recognition Using Existing Surveillance Cameras.

Adobe Digital Creativity Workshop

A faculty Development Workshop in partnership with AICTE Training & Learning Academy, on Adobe Digital Creativity Skills was held with the faculties of Dr. B. C. Roy Engineering College at its AJC Bose Bhawan on January 18th, 2023

The aim of the workshop was enhancing the digital creativity skills of the faculties. The workshop was attended by 92 faculties of the institution.

All participants received certificates as "ADOBE ATAL CREATIVE EDUCATORS" after completion of the assignments given to them.

Seminar on Art, Science and Craft of Teaching

"Art, Science and Craft of Teaching" – a seminar on "Pedagogy" held on 06.01.2022, was the initiative for the faculties to exchange views on the process of communication to the students. The speaker was Dr. Beena Gokhale, eminent educationist, Ex Principal of a Higher Secondary School under Tamilnadu State Board and several CBSC Board schools. She worked as a Director, Academics and Member of School Management of Bharatiya Vidyashram Schools in Jaipur.

Technical Workshop on Cyber Security & Ethical Hacking

A technical workshop on Cyber Security & Ethical Hacking with hands on Practical Presentation was held for the students of Dr. B. C. Roy Engineering College on 25 January, 2023, at Dulal Mitra Auditorium.

The workshop was the first follow - up programme of the recent agreement of BCREC with ISOHA Data Security Pvt. Ltd, Kolkata, in view of the upskilling the students of Dr. B. C. Roy Engineering College on the new age technology of Cyber Security.

The speakers of the programme were COO of ISOEH and Mr. Samyajit Mukherjee, Project Head, ISOEH.

According to the agreement between Dr. B. C. Roy Engineering College and ISOHA Data Security Pvt. Ltd, Kolkata such



workshops will be held throughout the year and all students of BCREC will be trained, in phases, with this new age technology of Cyber Security.

Seminar on Artificial Intelligence and Augmented Reality

The programme was organized from 6th February to 10th February, 2023. A total of 10 delegates from 42 different colleges and universities from all around the globe and 16 delegates from top tier MNCs joined the programme.

The topic of the discussion was "Future Trends of Advanced Computation". It was organized by Dr. B. C. Roy Engineering College in collaboration with three other premier technical bodies like The Institution of Engineers (India), Durgapur Local Chapter, IEEE Kolkata Section and Computer Society of India, Kolkata Section.

It was emanated from the convergence of the renowned scientists that AI & AR are encompassing human intelligence and taking the application of science and technologies in societal service to a new height.

Seminar on Entrepreneurship

Being just an employee or an employer is the great question for a successful student's future role for his livelihood. BCREC believes that both the options should be there. Along with regular placement drives, BCREC organises seminars and workshops to motivate the students on entrepreneurship.

One such very effective seminar was organised on "Procedure to Initiate Start - Ups and Government Assistance for It".

The seminar was organized on 28th March, 2023 by AICTE - IDEA lab of Dr. B. C. Roy Engineering College, Durgapur, at its Dulal Mitra Auditorium. The key note speaker of the seminar was Mr. Uttam Kumar Laha, IDO, O/O - the Joint Director of MSME, Durgapur Zone. The seminar was organized to make



the students aware about the legal procedures and financial assistance rendered by both the Government of India and the State Government.

Mr. Laha explained to the students several schemes with loan and subsidy to encourage the budding entrepreneurs to set up their own Start - Ups. He said that to make India a powerful manufacturing hub, students should opt for entrepreneurship instead of being only a job seeker. An entrepreneur begets employees and this way, contributes more to the society than being an employee.

AICTE - IDEA Lab is dedicated not only for the students for their ideation and research, but a great medium for building Academia - Industry relationship. Local Micro, Small and Medium industrialists come to this laboratory for up gradation of their manufacturing process which increases the productivity and reduce cost.

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 -



Free Health Check Up Camp by BCREC, NSS Cell

BCREC Management always keeps in mind the welfare of the locality. It is the only college in West Bengal which campaigned against Covid - 19, physically, throughout whole Paschim Bardhaman District during the prolonged lock - down period of the country. Likewise organising free health check up camps are routine activities of the college.

The NSS Cell of BCREC held a free health check up camp for the poor villagers of adjacent Haribazar village with the active help of the local club on 7th September, 2022.

107 poor villagers were checked up by Dr. Afzal and Dr. Pritha Chatterjee of the Mission Hospital, Durgapur.

The programme was coordinated by Prof. Sohini Ghosh of the Department of Basic Sciences and Humanities of BCREC with the help of many other faculties and students as volunteers. Mr. Baidyanath Nayek, Pharmacist of BCREC extended all support to make the camp successful.

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.

In all 160 bottles of blood were donated to Durgapur Sub Divisional Hospital and the Mission Hospital, Durgapur.

Dr. Karabi Kundu, Medical Officer - In - Charge, Durgapur Sub Divisional Hospital and Dr. Prithwiraj, Medical Officer - In - Charge of the Mission Hospital, Durgapur Mr. Kabi Ghosh, Deputy General Secretary of West Bengal Voluntary Blood Donor's Forum, were present and conducted the camp successfully. Total 10 bottles of blood were donated to Durgapur Sub Divisional Hospital Blood Bank and 50 bottles were donated to the Mission Hospital Blood Bank.



9th 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, 2023 to celebrate the 8th International Day of Yoga. The event upheld the message of "Yoga for Humanity" in letter and in spirit.

Glorious Feats of Our Students

BCREC is proud of its students who are motivated by their Faculty Mentors in such a manner that they can excel in every juncture of their life.

● 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 2023

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 2K23 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 2K23 was held on 27th and 28th April 2023 beating the heat of summer at 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.

This year Mesha Karmakar and Kushal Paul enthralled the students and faculty alike with their captivating expression of enchanting voices.



● Observation of Swami Vivekananda's 161th Birth Day

Swami Vivekananda's 161th birthday was celebrated like previous years on 12th January 2023 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 headquarters 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 Sraavan, 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

Prof. (Dr.) Rajdeep Ray
Dean (Student Welfare)

Dr. D. S. Rao
Dean (School of Computing)

Dr. Alope Kahali
Head (Admin.)

Rajesh Chatterjee
Sr.Manager (Admin)

U.K Sharma
Sr.Manager (C.A.& E.)

Indranil Sengupta
Sr.System Administrator

Shibnath Talukdar
Chief Resident Enggr.

Sumantra Banerjee
Asst.Registrar

Susmita Maitra
PS to Principal

L. C. Das
Estate & Maint. Officer

Suman Das
Senior Executive

Amit Mukherjee
Junior Executive

Sreeparna Bhattacharya
Jr. Executive

Biplab Paul
Supervisor

Sukanta Mukherjee
Supervisor

Rupak Kr Ghosh
Supervisor

Shyamapada Chakraborty
Sr. Caretaker

Baidyanath Nayak
Pharmacist

Madhusudan Giri
Office Assistant

Jayitre Sikdar
Jr. Executive Assistant

Bivas Roy
Executive Assistant

Mintu Das
Asst. Telephone Mechanic

Ajit Kumar Gangopadhyay
Language Counsellor

Tapan Kr Goswami
Supervisor/Civil and Maint

Bishnu Das
Stores and Maint. Asst.

Sugata Ghosh Datta
Office Assistant

Debashish Paramanik
Office Assistant

Kajal Ganguly
Attendant

Md.Saidur Rahman
Sr.Electrician

Bhagwan Sharma
Helper Electrician

Sanjay Kr Sharma
Carpenter

Ashis Chatterjee
Priest

Ganesh Badyakar
Attendant

Binay Nayak
Attendant

Basudeb Chakraborty
Attendant

Mamata Bera
Attendant

Lalit Nayak
Attendant

Dharamdas Koner
Attendant

Supriyo Chatterjee
Games-In-Charge

Asit Kr Ghosh
Attendant

Chayan Mukherjee
Office Assistant

Kartick Ch. Garai
Driver

Jogendra Prasad
Driver

DEPARTMENT OF TRAINING & PLACEMENT

Kolkata/Durgapur

Atanu Maity	Head, Training & Placement/CRO
Amit Mukherjee	Training & Placement Officer
Arijit Bose	Sr. Training & Placement Officer
Bipul Chanda	Sr. Training & Placement Officer
Ayan Sengupta	Sr. Executive
Debasish Chakraborty	Attendant

Durgapur Campus (T & P)

Prof. Prabal Kr. Sahu , In-charge (T&P Campus)
Prof. Siddhartha Bhowmick , Member
Prof. Pranoy Roy , Member
Prof. (Dr.) Suneeta De , Member
Prof. (Dr.) Ritu Rani De (Maity) , Member
Prof.Pradipta Pal , Member
Pranab Sinha , Lab In-charge (Sr. TA)
Samrat Samanta , Lab In-charge (TA)
Mrs. Firdausi Sayed , Senior Executive (T&P)
Deepraj Mondal , Manager (T&P)

CORPORATE AFFAIRS & PR CELL

Amitava Chakravarty	Chief (Corporate Affairs)
Shouvik Kumar Chandra	Sr.Manager (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

Judhajt 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
Sr. Manager (Finance)

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

Santosh Kumar Paul
(Dy. Campus Administrator)

Ujjal Kr Pal
Warden - Boys Hostel

Sadar Ali Shaikh
Warden - Boys Hostel

Ramesh Ch. Tarafdar
Warden - Boys Hostel

Pijus Bandhyopadhyay
Warden - Boys Hostel

Amarendra Nath Tripathy
Warden - Boys Hostel

Ashim Kr.Mondal
Matron - Girls Hostel

Supta Rani Maity
Matron - Girls Hostel

Soma Roy
Matron - Girls Hostel

Sanchita Tantubay
Matron - Girls Hostel

Eti Mandal
Matron - Girls Hostel

TECHNICAL SUPPORT STAFF

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



TRAINING & PLACEMENT

Dr. B. C. Roy Engineering College believes in holistic approach for the comprehensive development of its students. There is a 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	TATA CONSULTANCY SERVICES LTD.	47	POLAR FANS	93	ETA ENGINEERING PVT. LTD.
02	CAPGEMINI	48	LADVANTAGE SOLUTION PVT. LTD.	94	KONE ELEVATOR (I) PVT. LTD.
03	SHYAM METALICS & ENERGY LTD	49	TEGA INDUSTRIES LTD.	95	KND ENGINEERING
04	INFOSYS LTD.	50	AIR WATER INDIA PVT. LTD.	96	TEXMACO LIMITED
05	IPSEN TECHNOLOGIES PVT LTD	51	JAY KAY MACHINERY PVT. LTD, LEVCON	97	BOSCH LIMITED
06	HINDUSTHAN NATIONAL GLASS & INDUSTRIES LTD.	52	CELEBAL TECHNOLOGIES PVT. LTD.	98	INTERNATIONAL COMBUSTION PVT. LTD.
07	NIHILENT ANALYTICS LTD	53	RELIANCE 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	COGNIZANT TECHNOLOGY SOLUTIONS	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	SANKALP SEMI CONDUCTOR	60	MAHINDRA & MAHINDRA	106	CMC LTD.
15	GLOBAL LOGIC - HITACHI	61	HONEYWELL AUTOMATION INDIA LTD.	107	ESCORT
16	JSW CEMENT	62	INDUSNET TECHNOLOGIES	108	ZENSAR TECHNOLOGY
17	TCK SYSTEM	63	ATLAS COPCO	109	ITD CEMENTATION
18	HCL TECHNOLOGIES LTD.	64	PAHARPUR COOLING TOWER	110	ESSAR STEEL
19	COLLABERA	65	ITC INFOTECH	111	SOBHA DEVELOPERS
20	PERSISTENT TECHNOLOGIES	66	CONVERGYS	112	TECH MAHINDRA
21	SYNTEL	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	ACCENTURE	72	ERA INFRASTRUCTURE LTD.	118	HEXAWARE TECHNOLOGIES LTD.
27	ANUPAM ELECTRICALS	73	COMPUTER SCIENCE CORPORATION	119	HIMADRI CHEMICALS
28	ALPHA LAVAL INDIA 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	VERIZON
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	RELIANCE 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 TECHNOLOTY (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
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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
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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
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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, CHATTISSGARH	CHATTISSGARH	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
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37	INSTRUMENTATION LIMITED	KOTA			BURDWAN,
38	SATLUJ JAL VIDYUT NIGAM	JALPAIGURI			ASANSAOL,
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

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)



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.



"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

(Advanced Systems Engineer at Honeywell)

2007 Batch Topper



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



MEDIA REFLECTIONS



IMPACT 2

प्रभात खबर

जोधपुर, राजस्थान
04.05.2022 | 03

डॉ. बीसी रॉय इंजीनियरिंग कॉलेज दुर्गापुर में कार्यशाला का आयोजन



दुर्गापुर में डॉ. बी.सी. रॉय इंजीनियरिंग कॉलेज में एक कार्यशाला का आयोजन हुआ। इस कार्यक्रम में डॉ. बी.सी. रॉय इंजीनियरिंग कॉलेज के प्राचार्य डॉ. राजेश कुमार शर्मा ने प्रास्ताविक भाषण दिया। उन्होंने कहा कि इस कार्यशाला का उद्देश्य छात्रों में नैतिक और सामाजिक जागरूकता को बढ़ावा देना है। कार्यक्रम में डॉ. रॉय इंजीनियरिंग कॉलेज के विभिन्न विभागों के प्राध्यापकों और छात्रों का सहभागिता थी।

अनलाइन टेक्निकल जर्नल प्रकाश करल दुर्गापुर वि.सि. टि.उ. में



बिसि राय इंजि. कलेजेर मु. नतून पालक



बिसि राय इंजीनियरिंग कॉलेज में एक नए पालक का उद्घाटन हुआ। इस कार्यक्रम में डॉ. बी.सी. रॉय इंजीनियरिंग कॉलेज के प्राचार्य डॉ. राजेश कुमार शर्मा ने प्रास्ताविक भाषण दिया। उन्होंने कहा कि इस पालक का उद्देश्य छात्रों में नैतिक और सामाजिक जागरूकता को बढ़ावा देना है।

जेलाय



जेलाय कार्यक्रम का आयोजन हुआ। इस कार्यक्रम में डॉ. बी.सी. रॉय इंजीनियरिंग कॉलेज के प्राचार्य डॉ. राजेश कुमार शर्मा ने प्रास्ताविक भाषण दिया। उन्होंने कहा कि इस कार्यक्रम का उद्देश्य छात्रों में नैतिक और सामाजिक जागरूकता को बढ़ावा देना है।

प्रभात खबर

जोधपुर, राजस्थान
19.12.2021 | 02

बीसीआरईसी व सीएमईआरआई के बीच हुआ समझौता



बीसीआरईसी (B.S. Roy Engineering College) और सीएमईआरआई (S.M.E.R.I.) के बीच एक समझौता हुआ। इस समझौते के तहत दोनों संस्थानों के छात्रों को एक साथ काम करने का अवसर मिलेगा।

बिसि राय इंजिनियरिंग कलेजेर सेमिनार



बिसि राय इंजीनियरिंग कॉलेज में एक सेमिनार का आयोजन हुआ। इस सेमिनार में डॉ. बी.सी. रॉय इंजीनियरिंग कॉलेज के प्राचार्य डॉ. राजेश कुमार शर्मा ने प्रास्ताविक भाषण दिया।

फार्मासि छात्र ह्रात्रीदेर जन्य नतून शिबिर उदोपग सम्पकित शिविर



फार्मासि छात्रों के हितों में नए शिबिर का आयोजन हुआ। इस शिबिर में डॉ. बी.सी. रॉय इंजीनियरिंग कॉलेज के प्राचार्य डॉ. राजेश कुमार शर्मा ने प्रास्ताविक भाषण दिया।

बिसि राय पलिटेकनिक कलेजेर साईबर क्राइम निने सचेतनता



बिसि राय पॉलिटेक्निक कॉलेज में साइबर क्राइम से सचेतनता बढ़ाने के लिए एक कार्यक्रम का आयोजन हुआ।

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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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NBA Accredited for Five Programmes, NAAC, NIRF Ranking 2022 (201-250) Ranked Institute.



COMMITTED TO EXCELLENCE IN EDUCATION