

BCREC ANNUAL REPORT 2023-2024

Dedicated to “Quality Education”



Dr. B.C. Roy Engineering College, Durgapur

ANNUAL REPORT

(1st July, 2023 to 30th June, 2024)



Dr. B.C. Roy Engineering College, Durgapur

Jemua Road, Fujhore, Durgapur- 713206

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VISION

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

MISSION

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

QUALITY POLICY

We are committed to impart quality "Education and Training" that satisfy the requirements of our students in the fields of "Engineering, Pharmacy and Management" 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 knowledge and skill to match the dynamics of industrial and technological development.

HOMAGE

Mr. Dulal Mitra

(1949-2018)

Former President

Dr. B.C. Roy Engineering College, Durgapur (Society)

Dr. B.C. Roy Engineering College Fraternity pays respectful homage to Late Dulal Mitra, former President of Dr. B.C. Roy Engineering College, Durgapur (Society). His relentless pursuit of “Excellence in Education” had brought Dr. B.C. Roy Engineering College to the centre- stage of Engineering and Management Education in the district of Burdwan and the State of West Bengal. It was not in vain that in 2013, he was conferred the “Edupreneur Award” of Vice-Chancellor’s choice.

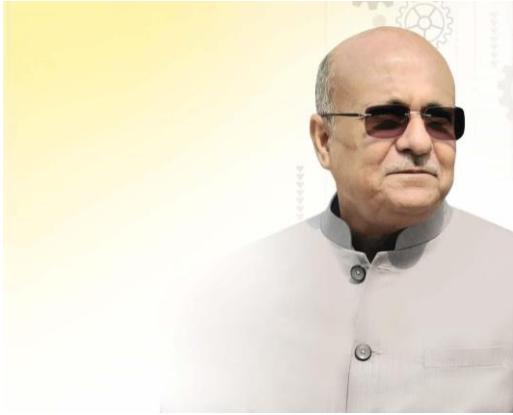


Dr. B.C. Roy Engineering College Fraternity pledges to uphold his vision of creating a vast pool of technically proficient human resource for the benefit of mankind.

“Na hi Jnanena Sadrsam Pavitram iha vidyate! “

Certainly there is nothing as pure as knowledge in this universe. Knowledge that not just lays the foundations to successful careers but also enriches the mind.

MESSAGE 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, 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 three years away from now. Naturally, the institution today, is just buzzing with a plethora of developmental activities, some of which deserve a mention for the knowledge of our students and guardians.

Just from early 2022, an Innovation and Incubation Hub is being created on a 10,000 sq.ft., 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 Start-Ups of different hues to enhance silently, the hidden potential lying within each member of BCREC fraternity.

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 will provide them matching computer laboratories for the ease of teaching-learning endeavours.

Apart from MOU that already exists between Cambridge Marketing College, Cambridge, U.K and BCREC, initiatives are in advance stage of implementation to have a tie-up with Anglia Ruskin University, U.K. in 2022 itself, keeping the esteemed British Council, U.K. in the loop. A project on Sustainable Business Opportunities and Growth, endowed by British Council, U.K. is already in final stage of completion with support and mutual cooperation from ARU, U.K.

Awarding of NAAC Accreditation and three numbers of NBA Accreditations in Information Technology, Mechanical Engineering and Electrical Engineering in close succession, is indeed a matter of great pride in addition to NBA Accreditation in Computer Science & Engineering and Electronics & Communication Engineering that we already have. Winning of AICTE-IDEA Lab, as one among only two recipients in entire West Bengal, is a glowing testimony to the ever-growing

intrinsic qualities and value additions of this entire group of institutions that reflect 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.

Tarun Bhattacharya,
General Secretary

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 time, 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.

Dr. Satyajit Bose

President, Dr. B. C. Roy Engineering College

& Chairman, The Mission Hospital, Durgapur.

MESSAGE FROM THE PRINCIPAL

A warm greeting to all, I welcome you all to join me on the journey of excellence in technical education. Dr. B. C Roy Engineering College is a well-known name looked upon by any aspirant in Engineering and technological Education. The name has been achieved with the consistent hard work by all and developments have taken place at various stages. Institutions are known for their infrastructure and human resources serving them. We have the teaching staff members the backbone of any institute with an excellent expertise and experience in their respective fields. With around 200 faculty members and an average experience of about 15 years makes it is one of the best



possible ratios required. What is more significant is almost 50 percent of faculties have achieved one of the highest degrees Ph. D, which justifies the thrust in continuous learning. The remaining faculties have already started their research activities, some of them on the verge of completion and others in the process of formal registration. This has been supported by an excellent infrastructure in the campus. The on-campus provision of the hostel facility and sports activities is the unique combination any Institution can offer for the overall development of the student as a professional.

Our efforts in achieving the best have been recognized by various statutory bodies and organizations. Recently, a NAAC peer review team visited our campus and evaluated our performance. We have been accredited for 5 years with a grade of “B+”. This is our first step to go through the process of standardizations. The team was generous enough to guide and suggest us for further improvements in the sections which require improvements. Our two departments, Computer Science and Technology and Electronics and Telecommunication Engineering have already been accredited by NBA, and we have already applied for more departments, Electrical Engineering, Mechanical Engineering, MBA and Information Technology under the umbrella of NBA. This will give us an enormous opportunity to all to explore more in terms of research, consultancy and Industry interactions which will reap benefit for all the students and faculties. We are increasing our collaboration with well known organizations to grow together and serve the society and nation.

Recently we have signed MoU with Central Mechanical Engineering Research Institute (CMERI) and premier Research Institute of GoI. This will give us an opportunity to be a part of leading projects and innovations happening in the field and to contribute in it. It will also provide an opportunity to share the experimental resources of an international standard to carry out research activities at the global standard level. A similar arrangement has also been signed with National Highway Authority of India (NHAI) where you can be a part of a group involved in live design and development of infrastructure projects at national level with a hands-on experience with ongoing projects. This is a start of collaborating with the premier Institutes and organizations and we aspire for more with national and international organizations. One of the most promising area coming in future is that of Quantum Computing. We have concrete plan to establish a learning and developmental center under the umbrella of BCREC group. The plan starts with an introduction lecture for creating an interest, a workshop to understand what's going on at international level, and a course to be offered with certificate to get into details and mainstream in Quantum Computing. A couple of discussions and a plan has already been drafted with support from Qantum AI, an international organization headed by a renowned technocrat. In a couple of months the plan will come up live about the activities in Quantum Computing and Applications is in the pipeline. Our aim is to create interest and also an expert group by training and research activities in the technology which is going to govern the future. Though we have a B.Tech in AI and ML which will look into the design and engineering aspects with the system design and process, we also plan to embed the thoughts of AIML into other core groups of Engineering. This will create an opportunity for the core group to leverage the use of AI and ML to its challenges and solutions. Some of the areas of future development, we have thought of is Drones, Robotics and applications, Technological use in Agriculture, Geographical information systems, Cyber Security, Smart grid etc.

It is important for all of us is to adapt to the change in technology as per the need. That kind of thought, culture and environment will be available in the Institute for future activities. With the knowledge and expertise within students and faculty, we are creating a team to be part of solutions of national interests. A professional training will be given to the team members regarding the technology, process and solutions so that the teams are competing for various hackathons organized by the government agencies and organizations. The trends have changed for the recruitments and this is an opportunity for the students to prove their skills and get dream offers from the reputed companies, where such path was never available before. This also inspires the students

and teachers to go beyond the syllabus and learn, expertise and utilize the tech and knowledge well beyond your prescribed syllabus, a fun to be enjoyed. AICTE and University have offered enough opportunities about learning process. So as to have best possible teachers in a particular course, an opportunity has been created to earn extra credits from the MOOC course and get an additional degree and one time opportunity to increase the pace of learning of the interest.

The tenure during the 4 years period for any Undergraduate is a very important tenure in life. Only knowledge and education does not help, but you also need to know the universal human values, managerial skills, professional developments etc. We plan to launch various professional and artistic clubs and students' interest groups, where opportunity can be given to prove their caliber in extra curricular activities. Such activities will support to ease the pressure from academic activities and spend some time for self-interest hobbies.

An entrepreneur thought process is an important aspect of any education system today. The seeds of the thoughts are to be sown at the start of the course itself, so that the plan and execution can happen at the later stage of the course and we can surely see some of the launch of the startups. The training methods and plan have already been drawn for such activities. Though physically apart, the world is becoming shorter with support and applications from technology, and all the resources have become within a reach. It has become possible to be an entrepreneur, from whichever place you are and even with the limited availability of the resources, a dream can come true for budding entrepreneurs to govern the world.

A future career and plans are an important part of any graduation programme. We also are in a process to host couple of training and guiding sessions for the various competitive examinations and guide in further prospects at national and international level.

Let's join hands together to work for the goal of excellence for all to serve the society and nation.

Sanjay S. Pawar, Ph.D.

Principal, BCREC

OUR INSPIRATION



Dr. B.C. Roy Engineering College Society (BCREC) was 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. Dr. B.C. Roy Engineering College (BCREC) Durgapur was founded in 2000. Since then, the BCREC has transformed itself in many ways. The college was modelled after the best institutions of the country, and even today retains some of these features.

The objective of the college was to effect re-organization of the system of education in the state so as to develop technical, technological education and research in engineering. Earlier, the college was affiliated under the University of Burdwan. Later, it got affiliation under the Maulana Abul Kalam Azad University of Technology (Formerly West Bengal University of Technology).

Structure of Dr. B.C. Roy Engineering College Society (BCREC Society)

Sl. No.	Name	Designation
1.	Dr. Satyajit Bose	President
2.	Tarun Bhattacharya	General Secretary
3.	Ratan Roy Chowdhury	Assistant Secretary
4.	Jernail Singh	Treasurer
5.	Mita Mitra	Vice- President
6.	Sadhana Sikdar	Member
7.	Tapati Bhattacharya	Member
8.	Rita Singh	Member
9.	Ankita Mitra	Member

Brief Details About Us

Name of Head of the Institute	:	Prof. (Dr.) Sanjay S Pawar
Exact Designation	:	Principal
Phone number with STD code	:	(0343) 2504121
FAX number with STD code	:	(0343) 2504059 / 2503424
Email	:	principal@brec.ac.in / info@brec.ac.in
Highest Degree	:	Ph.D. (IIT Bombay)
Field of specialization	:	Engineering
Name of the affiliating University	:	Maulana Abul Kalam Azad University of Technology, West Bengal (Formerly West Bengal University of Technology)
Address	:	BF – 142, Salt Lake City, Kolkata – 700064
Website	:	www.makautexam.net www.makautwb.ac.in
Latest affiliation period	:	2024-2025 Academic Year

- Nature and Extent of involvement of Faculty and students in academic affairs/improvements Each and every faculty member has been involved with mentoring for maximum of 20-25 students from all the years to provide specialized guidance to the students in matters of academics, career, personality development, social obligation, etc. Regularity in the classes is being treated as a **top priority**. Head of the Departments regularly monitor the class schedule of the day in the early morning hour and engage substitute in case of absent teacher. As per directives of AICTE and the University, regular classes have been provided in the Class Routines for MOOCs courses and MAR activities. Students are also reciprocating with the initiatives taken by their teachers.
- **Mechanism / Norms and Procedure for democratic/good Governance-**
Dr. B. C. Roy Engineering College, Society recognizes the need for decentralization for the growth of the college and accords autonomy commensurate with the level of management. Heads of the departments are appointed who are given autonomy for efficient governance. The roles and responsibilities of administrators/decision makers for various assigned jobs listed below clearly depict the delegation of authority, providing operational autonomy leading to a decentralized governance system.
- Director implements and monitors the academics to cater to the college's vision and mission. He is responsible for the academic development of the college and monitors the progress of various teaching/learning processes. He also monitors Research and Development activities in the college through Project Monitoring & Industrial Liaisoning Cell (PMIL).
- Registrar is responsible for supervision and management of all administrative and operational functions.
- Head of the departments are responsible for the day-to-day academic activities and assuring quality in the teaching and learning process and administrative functions of the department and monitoring various students' activities.
- In addition, the Librarian, Professor-in-charge of Examination, and Workshop Superintendent take care of library resources, examination, and workshop-related activities. Other support functions like admission of the students are handled by the Senior Manager (Administration), and Finance & Accounts related issues are looked after by Senior Manager (Finance). The placement Cell is looked after by the Head (Training & Placement) and the campus is looked after by the Campus Administrator and his team.
- **Student Feedback on Institutional Governance / Faculty Performance-** Student feedback is taken twice a year (once every semester) online and appropriate action is taken after analysis of the same in the Academic Council Meeting.

1. COLLEGE PROFILE & FACT SHEET

1.1 Brief Background

BCREC evolved from a coming together of like-minded professionals and philanthropic entrepreneurs to create an institution of global standards of learning through synergistic application of creativity, innovation, and discipline. Established in the year 2000, the BCREC Society within a short period made its mark as the center of excellence in the fields of engineering, pharmacy, and management education.

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) among the 100 prestigious colleges nationwide.

1.2 Affiliations, Approvals & Accreditation

- Approved by AICTE, New Delhi
- Affiliated to the Maulana Abul Kalam Azad University of Technology, West Bengal (Formerly WBUT)
- Approved by the Department of Higher Education, Govt. of West Bengal
- NBA Accredited for five programs. B. Tech. in CSE, ECE, ME, IT & EE

1.3 Medium of Instruction

The medium of instruction and examination means to be in English.

1.4 College Timings

Tuesday to Saturday from 10 am to 5.30 pm.

1.5 BCREC Campus

1.5.1 Location

Dr. B.C Roy Engineering College is located in a tranquil and conducive ambiance creating an ideal learning environment to stimulate intellectual and personal growth. The city is now both an industrial hub as well as an educational hub.

The very location of the institute itself, being in proximity to vast knowledge application areas, guarantees the fundamentals of quality technical and professional education. 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 150 km by rail and 186 km by road, and is just 3 hours journey from Kolkata.

1.5.2 Salient Features

Sprawling Green Campus

- State-of-the-art Research Wing
- Qualified and Experienced Faculty
- Strong Alumni
- Need based Scholarships
- Multipurpose Air-conditioned Auditorium
- Zero tolerance to Ragging
- Separate Hostels Boy's & Girl's
- Digital Library with MOOCS & NPTEL
- High achievement in campus placements



Fig. 1.1- Areal View of the BCREC Campus

1.6 Facilities

1.6.1 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 teaching/learning process. All smart classrooms are equipped with OHP linked to a computer with high-speed data networks and projection screens. The classrooms are acoustically built to prevent echo and reverberations. They are designed to promote maximum interaction between the faculty and the students.

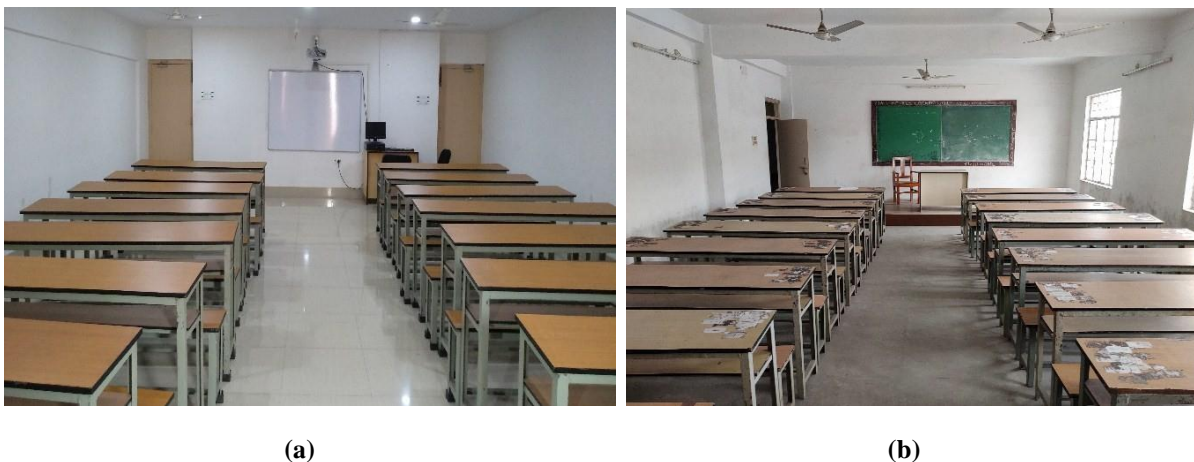


Fig. 1.2- Photos of the Classroom (a) Smart Classroom & (b) Traditional Classroom

1.6.2 Wi-fi Facilities

The institute provides staff, faculty and students access to the wireless network on campus where available.

1.6.3 Multi-speciality Gymnasiums

A healthy body is the essence of a healthy mind. The institute provides well-equipped multi-specialty gymnasiums for separate girls and boys alike.

1.6.4 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 11:00 am to 5:00 pm. 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.



(a)



(b)

Fig. 1.3- Medical Facilities in the Campus (a) Medical Centre & (b) Dispensing Room

1.6.5 Reprographics / Xerox Point

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

1.6.6 Uninterrupted Power Supply

The institute has a dedicated HT power supply, generator backup, and 10 KVA UPS, especially for the computer labs.

1.6.7 Banking Facilities

The campus has an AXIS Bank ATM and SBI ATM that provide 24 hrs ATM Banking facility apart from the fully operational M/s SBI Bank branch within the premises to facilitate monetary transactions for students and faculty alike.



(a)



(b)

Fig. 1.4- Banking Facilities in the Campus (a) Axis Bank ATM & (b) SBI Bank

1.6.8 Educational Loan

The institute provides all assistance to open easy and prompt educational loan for the eligible students.

1.6.9 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.



Fig. 1.5- Cafeteria in the College Campus

1.6.10 Open Air Auditorium & Multipurpose AC Auditorium

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



Fig. 1.6- Open Air Auditorium

1.6.11 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, and OHP and multimedia projectors. Students are encouraged to maximize their learning and computer skills by constant use of internet for research, making notes, submissions and presentations. Total computer resource is over 820 for entire BCREC. Proficient laboratory instructors are always there to help the students in the lab.

1.7 Accommodations

1.7.1 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) respectively apart from 24 hrs security is provided in each of the hostel blocks. There is a hostel exclusively for first year students.

Each hostel offers complete facilities including boarding and lodging, common room, internet and Wi-fi, room telephone service, etc. The following hostels (2-Boys /2-Girls) are currently available.

Table 1.1- Number of Students Residing in Different Hostels

Boys	Girls
Satyen Bose Hall of Residence Capacity: 376 students	Mother Teresa Hall of Residence Capacity: 208 students
Chittaranjan Boys Hostel Capacity: 240 students	Nivedita Girls Hostel Capacity: 244 students



Fig. 1.7- Boys' Hostel in BCREC Campus

1.7.2 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.

1.7.3 Guest Rooms and Professors Enclave

AC/ non-AC guest rooms are also available for guardians temporarily on payment. On-campus residential flats for Professors and high officials are located beside the girl's hostel to provide the utmost security for students.



(a)



(b)

Fig. 1.8- Residing Facilities in BCREC Campus (a)For Faculty Members & (b) For Guests

1.7.4 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 textbooks, reference books, CD-ROM/DVDs and online databases. It is a participant in the INDEST-AICTE Consortium and subscribes to the IEL online and DEL online databases besides the DELNET database.

The Central Library has a collection of over 80,000 books. It also accommodates a book bank from where students can borrow books for a longer duration. There are also departmental libraries attached to teaching departments. The composite holdings of all these libraries can be accessed for search 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.



Fig. 1.9- Meghnad Saha Central Library

1.7.5 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.)

1.7.6 NDL (National Digital Library)

Our college is an Institutional member of NDL (National Digital Library of India), an initiative of Ministry of Human Resource Development under its National Mission on Education 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 IEEE(ASPP) package which contains 179 online journals with backfiles access since 2005 in the fields of Computer Science & Engineering, Electrical, Electronics, Telecom & related disciplines.

In addition to that Elsevier (Science Direct) which contains 275 journals with back files access since 2000, in the fields Engineering and Computer Science are also subscribed.

Our college 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 MHRD, 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 were 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 hour courses offered twice a year.

The college publishes a journal of repute “The Bulletin of Engineering and Science”, which publishes articles not only from Science and Engineering departments but also IT and Management. BCREC is committed to provide research and development activities in its campus. Research & Development Centre (R & D) of the college is a unique section which can accommodate several researchers at a time. The adjacent CAD/CAM/ROBOTICS Laboratory provides the required tool room support. The faculties are also encouraged to explore the research projects and participate in paper presentation in symposia, conference or workshops, model displays etc. Often the syllabus oriented study falls short to fulfil the demands of the industry. Keeping this in mind, BCREC organizes seminars and workshops in regular intervals, where stalwarts from both academia and industry share their knowledge and experience with the students on modern day issues.

Department of Electronics & Communication Engineering (ECE), of Dr. B.C. Roy Engineering College, Durgapur had signed a joint MoU with Xilinx, USA and Core EL 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. The intention of bringing innovation in the field of Modern Electronics and to enhance the quality of education imparted to students of the Electronics and Communication engineering disciplines.

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 focus courses) and academics (Syllabus focus courses). The program is funded by MHRD, 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.

Dr. B.C. Roy Engineering College, Durgapur is a Nodal Centre for Virtual Lab which is a venture of IIT; Kharagpur under the MHRD sponsored Project. The Lab covers Analog Signals, Networks & Measurement & Basic Electronics like subjects which have direct link to Electronics & Communication Engineering/ Electrical Engineering/ Applied Electronics & Instrumentation Engineering disciplines.

1.8 Other Important Details

Professional Society Chapters/Membership

There are more than 15 students' chapters for the students. Few of them are as follows;

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 students' members and twenty faculty members.

3. Computer Society of India (CSI) Membership

CSE & IT of BCREC has CSI membership with four members.

4. Indian Society of Earthquake & Technology (ISET) Chapter

MOU with IIT, Alumni Venture (CLASSLE)

BCREC is perhaps the only institute in this part of the country to have strategic tie-ups with renowned IIT Alumni Venture CLASSLE, for technical improvement of students including career assistance.

Research and Development Initiatives

A Cell namely Project Monitoring and Industrial Liaising (PMIL) promote collaborative and sponsored research activities in the College. This Cell is actively working in close association with all the departments to augment the process and helping the young faculties in framing project proposals in collaboration with premier institutions and industry. Under the guidance of the Director, BCREC, the PMIL Cell also provides innovative approaches for development of new technologies, product and services. 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, Thermal Power Plants, etc. and research organisations like CSIR-CMERI, etc. BCREC fully explores possibility of liaising with them. Currently about 10 research and consultancy project proposals are ready for various national funding agencies like DST-SERC, AICTE-RPS, NI-MSME, MNRE, ARDB, NI-MSME, MNRE, ARDB, AICTE-MODROBS, BRNS, IEI, etc. with substantial budget outlay.

During the past one year, faculty members and research scholars of BCREC published several research papers in peer reviewed journals and many papers were presented in national and international seminars/conferences. Some of the research papers have been indexed in international databases like Scopus, Google scholars, SCI, Index Copernicus, etc.

BCREC actively promotes students research and projects through collaborative platforms like IEI (India), IEEE xplore, etc. which have the distinction of being appreciated at national and international forum.

Texas Instruments Innovation Lab

Department of Electronics & Communication Engineering (ECE), of Dr. B.C. Roy Engineering, 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. Hand-on experience of work and wide exposure during study period will not only enhance our students' chances for early placement but will also create and assure new opportunities for our students in the job market.

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

Alumni Association

At BCREC, we consider our alumni as the goodwill ambassadors and they have done 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.



Fig. 1.10- Alumni Association in BCREC

International Collaborations

Expanding and strengthening collaboration worldwide is one of the important focus areas of BCREC's strategy. As a result, BCREC has initiated partnerships with outstanding academic and other institutions across the globe to expand the student experience, faculty growth and contributions, and the impact of research done in the college.

BCREC has taken the initiative to explore the possibilities of student exchange programs through agreements with prestigious international institutions, like Lincoln University, Malaysia where students of this college will go for Summer School Programmes, Industrial Training, Projects, etc. It is not the students alone; the faculties will also be going to several Universities on Faculty Exchange Programmes to be at par with International Standards.

Industry-Institute Interaction (IIPC)

With the onset of globalization and the opening up of the Indian economy, the competition among industries has 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, and seminars to students to build their knowledge on the latest cutting-edge technology and make them aware of industry practices.

Entrepreneurship Development Cell (EDC)

Dr. B.C. Roy Engineering College has created budding entrepreneurs over the years through the 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 and also keep in mind social responsibility. Through the EDC we try to help society at large and also develop the entrepreneurial acumen of the students.



Fig. 1.11- Entrepreneurship Cell in BCREC

Finishing School Activities

Our finishing school activities are intended to give the 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 processes, excellent communication skills and other soft skills, good work ethics, and good computer literacy supported by a solid backing of sound technical education. An engineer is viewed as an innovator, planner, designer, manager, and producer of goods and services.

Soft Skills and Personality Enrichment

At BCREC along with a focus on academic excellence, we lay a lot of stress on the 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 expectations and challenges of the professional world. Students are assessed regularly and regular feedback is taken to ensure overall improvement and enrichment of their personalities. The sophisticated language lab is used to enhance communication skills.

Vocational Training (VT)

The Vocational Training Program is compulsory for all B.Tech students as per the 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.

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.

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

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. In addition to this, college have a yoga centre, where a certified yoga teacher takes the classes. 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.

Horizon - An engineer's paradise to portray the innovativeness and agility of a techie mind, the technological fest of BCREC. The festival of engineers mainly focuses on different innovative topics like Robotics, Ethical Hacking etc. Full of innovative events and exhibition, the students at

the tech fest also participate and compete with top institutes of the country and also generate media attention in print as well as electronic.

A student's first step towards a rich and fulfilling campus life at BCREC. The institute gets awakened with cheers from newly enrolled students of B.Tech, M.Tech, MCA and MBA disciplines along with their parents and guardians that converge from different destinations to their institution of choice. The "fresh" students are welcomed and oriented with the rules and conduct of the institute.

This College is the first private college in the vicinity to start the NCC program being registered at the 14 Bengal Battalion with headquarters at Asansol. Students are encouraged to join the NCC program. 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 honor of the Indian Tri-colour, especially on India's Independence Day and Republic Day every year.

In addition, Rabindra Jayanti, Republic Day Independence Day, religious festivals like Sree Sree Saraswati Puja, Viswakarma Puja, etc. are celebrated.

The financial strategy of the institute places student development as a key priority. The Tuition Fee Waiver (TFW) Scheme of AICTE is available only for undergraduate level engineering courses for economically backward meritorious students of West Bengal up to a maximum of 5% of sanctioned intake per course are available on a supernumerary basis over and above the sanctioned seats for admission. The waiver is limited to the tuition fee only but all other fees except tuition fee will have to be paid by the beneficiary. The selection of candidates for the Tuition Fee Waiver Scheme shall be decided based on merit and preference of eligible students in the State Joint Entrance Examination. A considerable sum from the BCREC Student Development Fund is effectively put to use for academic development and improvement. To maximize the potential of the students, the Minority Welfare Merit-cum-Means Scholarship scheme allows students from humble 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 that caters to financial assistance to students from Scheduled Caste / Tribes or other backward classes.

Sports Facilities

BCREC have a good reputation in the region for their sports & culture. BCREC use to participate in different sporting events across the sub-division. In the BCREC campus, we have a great facility for different sports. Football, Cricket, Basketball, Volleyball, Karate, Badminton, Yoga are the different games & sports facilities available in the campus. The football ground has the maintenance facility where periodic maintenance is done. For the sports like karate, football, yoga- BCREC have appointed professional trainers & coaches who are dedicated and reputed in the Durgapur sub-division.



(a)



(b)



(c)

Fig. 1.12- Sports Facilities in BCREC (a) Yoga & Meditation Centre, (b) Football Ground & (c) Drip Irrigation System for Watering in the Ground (Maintenance)

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 and also to be endorsed by the guardians.

Further, if as a result of any demonstration or strike, any property of the College Campus or Halls of Residence is damaged, the cost of the same will be recovered directly from the students identified wherever possible or else collectively from such group of students as are responsible for the

demonstration or strike.

Attendance and Examination

The strict observance of attendance and the examination sanctity has been a prime asset of the institute. Each student is required to secure at least 75% attendance as per MAKAUT norms in both theory and practical classes. Failure to attain the required %age 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 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 shall 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 Principal and the 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.

2. STUDENTS' STATISTICS

The Institute have All the B.Tech. courses have the duration of 4 years, whereas the M.Tech.courses are of 2 years duration. Master of Business Administration is of the duration of 2 years.On the other hand, the Master of Computer Application have the duration of 2 years; affiliatedto West Bengal University of Technology (WBUT) (currently known as Maulana Abul KalamAzad University of Technology (MAKAUT)). At present, M. Tech. programmes are offered in four disciplines. The number of students enrolled in both the batches are evenly distributed.Further, all final year students who appeared in the examination could complete their coursesuccessfully.

2.1 Details of Total Number of Seats during the Year 2023-24

Table 2.1- Number of Seats Approved by AICTE

Sl. No	Name of Course	UG / PG	Approved Intake for 2023-24
1.	Computer Science and Engineering	UG (B.Tech)	120
2	Electronics & Communication Engineering	UG (B.Tech)	120
3	Electrical Engineering	UG (B.Tech)	120
4	Information Technology	UG (B.Tech)	60
5	Mechanical Engineering	UG (B.Tech)	60
6	Civil Engineering	UG (B.Tech)	60
7	Computer Science & Design	UG (B.Tech)	60
8	Artificial Intelligence & Machine Learning	UG (B.Tech)	30
9	Data Science	UG (B.Tech)	60
10	Master in Business Administration	PG (MBA)	60
11	Master in Computer Applications	PG (MCA)	60
12	Modern Communication Engineering	PG (M.Tech)	18
13	Power System Engineering	PG (M.Tech)	18
14	Computer Systems and Technology	PG (M.Tech)	18
15	Mechanical Engineering	PG (M.Tech)	18

2.2 Details of the Admission during the Year 2023-24

2.2.1 B. Tech Admission Process

Admissions are made through the Joint Entrance Examination (WBJEE) conducted by the West Bengal Joint Entrance Examinations Board (WBJEEB) and the Joint Entrance Examination (JEE-MAIN) conducted by Central Board of Secondary Education (CBSE), New Delhi. After allotment of seats in counselling, candidates are required to complete further formalities for admission in the college campus.

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/ Computer Science/ Computer Application as compulsory subjects with individual pass marks (in both theory and practical wherever applicable) in all the three subjects as stated above in regular class mode.
- b. Must have obtained at least 45% marks (40% in case of reserved category candidates) in the above three subjects taken together.
- c. Must have passed English in the '10+2' examination with at least 30% marks
- d. The Board of the said qualifying examination must be recognized by the Central Government or State Government concerned.

Medical Fitness

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

2.2.2 B. Tech Lateral Entry

- i) As a follow-up of the 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 the following conditions (subject to change from time to time).
- ii) The diploma holder should be a bonafide student of West Bengal and a resident of the state for at least 10 years.
- iii) Should have passed diploma courses from an AICTE-approved polytechnic of the state with a minimum of 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.
- iv) Diploma holders will be admitted to degree courses in engineering in the same discipline the diploma was awarded (in the case of an IT Degree Course a diploma holder in Computer Engineering is eligible).
- v) Admission will be strictly on a merit basis.
- vi) Lateral entry to 2nd-year 1st-semester level is limited to 20% of sanctioned intake.

2.2.3 M.Tech. Admission Process

Candidates desirous of seeking admission to post-graduate courses in engineering at Dr. B.C. Roy Engineering College, Durgapur, through the MAKAUT-PGET Entrance Exam. Both GATE-qualified and non-GATE candidates should appear for the PGET Entrance conducted by MAKAUT as per regulations.

The application for admission is to be submitted online at the university website www.makaut.ac.in. GATE-qualified candidates are eligible for scholarships from AICTE as per AICTE norms.

2.2.4 MBA Admission Process

Duration- 2- year (full-time) MBA Degree from Maulana Abul KalamAzad University of Technology (MAKAUT).

i) Any graduate (10 + 2+ 3), final year student is also eligible

ii) Selection will be based on GD and PI

iii) Must Qualify MAT/JEMAT [However CAT / CMAT candidates can also apply subject to the guidelines available from MAKUT time to time]

2.2.5 MCA Admission Process

Duration- 2-year full-time MCA Degree from Maulana Abul KalamAzad University of Technology (MAKAUT).

Eligibility: The candidate should have the following qualifications;

i) A valid rank in JECA (Current Year) conducted by the West Bengal Joint Entrance Examinations Board.

ii) Recognized Bachelor's Degree of minimum 3 (three) years duration with Mathematics at 10+2 level or at graduate level.

iii) Obtained at least 50% marks (45% marks for candidates belonging to reserved categories) at the qualifying examination.

Table 2.2- Number of Students Admitted in the Academic Year 2023-24

Sl. No	Name of Course	UG / PG	Number of Students got admitted in 2023-24 (First Year & Lateral Entry)
1.	Computer Science and Engineering	UG (B.Tech)	138
2	Electronics & Communication Engineering	UG (B.Tech)	132
3	Electrical Engineering	UG (B.Tech)	166
4	Information Technology	UG (B.Tech)	71
5	Mechanical Engineering	UG (B.Tech)	66
6	Civil Engineering	UG (B.Tech)	63

Sl. No	Name of Course	UG / PG	Number of Students got admitted in 2023-24 (First Year & Lateral Entry)
7	Computer Science & Design	UG (B.Tech)	68
8	Artificial Intelligence & Machine Learning	UG (B.Tech)	35
9	Data Science	UG (B.Tech)	67
10	Master in Business Administration	PG (MBA)	60
11	Master in Computer Applications	PG (MCA)	60
12	Modern Communication Engineering	PG (M.Tech)	07
13	Power System Engineering	PG (M.Tech)	06
14	Computer Systems and Technology	PG (M.Tech)	13
15	Mechanical Engineering	PG (M.Tech)	09

2.3 Number of Students Completing Their Respective Degrees during the Year 2023-24

Table 2.3- Number of Students Successfully Completing Their Studies in the Even Sem 2023-24 Academic Year

Name of Course	UG / PG	Number of students appeared in the final year examination	Number of students passed in final year examination
Computer Science and Engineering	UG (B.Tech)	143	133
Electronics & Communication Engineering	UG(B.Tech)	104	93
Electrical Engineering	UG(B.Tech)	108	89
Information Technology	UG(B.Tech)	68	68
Applied Electronics and Instrumentation Engineering	UG(B.Tech)	15	15
Mechanical Engineering	UG(B.Tech)	104	71
Civil Engineering	UG(B.Tech)	61	60
Master in Business Administration	PG (MBA)	58	56
Master in Computer Applications (2-Year Course)	PG (MCA)	56	41
Modern Communication Engineering	PG(M.Tech)	0	0
Power System Engineering	PG(M.Tech)	4	3
Computer Systems and Technology	PG(M.Tech)	5	4
Mechanical Engineering	PG(M.Tech)	4	4

3. DETAILS OF THE FACULTY MEMBERS

The teaching faculty at BCREC (Dr. B.C. Roy Engineering College, Durgapur) play a pivotal role in achieving the institution's academic mission. Comprising experienced educators with rich industrial and research backgrounds, the faculty members use a blend of teaching strategies to foster effective learning and knowledge application among students.

Teaching Excellence and Diversity

BCREC's faculty employ various instructional methods tailored to the subject's demands. For example:

- **Lecture-Based Teaching:** Traditional methods are reinforced with real-world examples and problem-solving tasks.
- **Hands-on Experiments:** In laboratory-based courses, such as surveying and digital image processing, students gain practical exposure by working on experiments, simulations, and fieldwork under the faculty's guidance.
- **Collaborative Learning:** Faculty actively involve students in discussions, seminars, and group projects, particularly in graduate-level courses.
- **Technology-Enabled Learning:** Courses leverage technological tools, allowing students to attend online classes, access learning modules, and collaborate with mentors virtually, ensuring flexible and robust education delivery.

Faculty Experience

The teaching staff at BCREC bring years of both academic and industrial expertise, enhancing the teaching-learning process. Many have specialized knowledge in disciplines such as mechanical engineering, electrical engineering, computer science, and more. Their expertise ensures students receive the latest knowledge and are trained to meet industry standards.

For example, faculty members are proficient in areas like advanced vibration control, signal processing, artificial intelligence, and civil engineering applications, as reflected in their research and teaching profiles [83][84]. Courses taught include core theoretical subjects, practical labs, and project-oriented learning, equipping students with a balance of conceptual and technical knowledge.

Research Contributions

Faculty at BCREC not only teach but actively contribute to research, further enriching their classrooms with cutting-edge developments. Their participation in national and international conferences, workshops, and seminars ensures their expertise remains current. Publications in peer-reviewed journals showcase their involvement in fields like nonlinear vibration, digital systems, AI-based applications, and renewable energy [83].

Student Engagement

BCREC's faculty are committed to mentoring students through personalized interactions, whether it's for regular courses, capstone projects, or extracurricular initiatives. Assessments include diverse strategies like tests, presentations, and project demonstrations to evaluate students' knowledge application comprehensively.

Through their dedication, BCREC's faculty create an environment that fosters inquiry, skill development, and innovation, aligning with the institute's goal of producing technically competent and socially responsible graduates.

3.1 Faculty List for 2023-24

Following is the list of faculty members who are currently working in BCREC;

Table 3.1- List of Faculty Members across all the Departments

Name	Designation
Abhijit Banerjee	Assistant Professor
Adhit Roy	Assistant Professor
Aloke Saha	Associate Professor
Amit Kotal	Assistant Professor
Amit Kumar Mukherjee	Assistant Professor
Amitabha Mandal	Assistant Professor
Anandaprova Majumder	Assistant Professor
Anindita Pan	Assistant Professor
Anirban Bose	Assistant Professor
Anirban Chattopadhyay	Assistant Professor
Ankita Mitra	Assistant Professor
Ansuman Mahanty	Assistant Professor
Anup Kumar Das	Assistant Professor
Anupam Baidya	Assistant Professor
Anupam Kumar Biswas	Assistant Professor
Anupam Sinha	Assistant Professor
Ardhendu Sekhar Chattopadhyay	Assistant Professor
Arijit Banerjee	Associate Professor
Arijit Kumar Banerji	Assistant Professor
Arindam Ghosh	Associate Professor & HOD
Arindam Mondal	Professor and Registrar
Aritra Bhowmik	Assistant Professor
Arka Banerjee	Assistant Professor
Arun Kumar Sadhu	Assistant Professor
Arunava Mukherjee	Professor
Atin Mukherjee	Assistant Professor
Avijit De	Assistant Professor
Banashree Chatterjee	Assistant Professor
Bappaditya Das	Assistant Professor
Basudeb Mondal	Assistant Professor
Bhaswati Roy	Assistant Professor
Bijoy Gupta	Assistant Professor
Bijoy Laxmi Koley (Midya)	Assistant Professor
Biswadeb Goswami	Assistant Professor
Biswajit Mondal	Assistant Professor
Biswajit Saha	Assistant Professor
Chaity Sarkar	Assistant Professor
Chanchal Das	Assistant Professor
Chandan Bandhyopadhyay	Associate Professor & HOD

Chandan Chattoraj	Professor & HOD
Chandan Das	Assistant Professor
Chandan Konar	Professor
Chandan Paul	Assistant Professor
Chitta Sahana	Assistant Professor
Debadrita Sen	Assistant Professor
Debaprasad Mukherjee	Professor
Debasis Guha	Assistant Professor
Debipriya Dutta	Assistant Professor
Debkanta Chakraborty	Assistant Professor
Deepa Vliswanath Naik	Assistant Professor
Deepak Kumar	Assistant Professor
Dinesh Kr. Pradhan	Assistant Professor
Dipak Kumar Dhak	Assistant Professor
Dipta Chaudhuri	Assistant Professor
Dola Sinha	Associate Professor
Falguni Chakraborty	Assistant Professor
Gour Sundar Mitra Thakur	Associate Professor & HOD
Hiranmay Samaddar	Assistant Professor
Indrani Sengupta	Associate Professor
Indranil Sengupta	Assistant Professor
Jaya Bhattacharjee (Mukherjee)	Assistant Professor
Jayanta Pal	Associate Professor
Joyjit Patra	Assistant Professor
Kalpana Roy	Assistant Professor
Kamalika Tiwari	Assistant Professor
Kanchan Chatterjee	Professor
Keka Hajra	Assistant Professor
Khondekar Mofazzal Hossain	Professor
Kingsuk Majumdar	Assistant Professor
Koushik Chatterjee	Assistant Professor
Koushik Senapati	Associate Professor
Koustav Roy	Assistant Professor
Koyendrik Bhattacharya	Assistant Professor
Krishna Roy	Assistant Professor
Madhusree Kole	Assistant Professor
Manas Kumar Roy	Assistant Professor
Manoj Kundu	Assistant Professor
Md Keramot Hossain Mondal	Assistant Professor
Md. Hamjala Alam	Assistant Professor
Moloy Mukherjee	Assistant Professor
Monalisa Chakraborty	Assistant Professor
Mou Das Mahapatra	Assistant Professor
Moumita Pradhan	Assistant Professor
Moutusi Mondal (Roy)	Assistant Professor
Mrinmoy Chakraborty	Associate Professor & HOD
Narendranath Pathak	Professor
Nasim Anjum Haque	Assistant Professor

Nilkamal Bhunia	Assistant Professor
Niloy Kumar Bhattacharjee	Assistant Professor
Pabitra Kr. Mandal	Assistant Professor
Pabitra Kumar Dey	Associate Professor & HOD
Paragkanti Chattopadhyay	Assistant Professor
Paramita Manna	Assistant Professor
Partha Chattopadhyay	Assistant Professor
Partha Sarathi Bose	Assistant Professor
Prabal Kumar Sahu	Assistant Professor
Pradipta Pal	Assistant Professor
Pradipta Sarkar	Assistant Professor
Pranoy Roy	Assistant Professor
Priyanka Roy	Assistant Professor
Prosenjit Majhi	Assistant Professor
Raj Kumar Samanta	Professor & HOD
Rajdeep Ray	Associate Professor
Rajeev Ranjan	Assistant Professor
Rajib Banerjee	Associate Professor
Rajib Kumar Mondal	Assistant Professor
Rakesh Biswas	Assistant Professor
Ram Prasad Chakraborty	Assistant Professor
Ramkrishna Rakshit	Assistant Professor
Ritu Rani De (Maity)	Assistant Professor
Ruma Ghosh	Assistant Professor
Rupali	Assistant Professor
Sabbir Reza Tarafdar	Assistant Professor
Sabyasachi Chandra	Professor
Saibal Majumdar	Assistant Professor
Saindhab Chattaraj	Assistant Professor
Samujjwal Roy	Assistant Professor
Sandip Chakraborty	Assistant Professor
Sandip Mukherjee	Assistant Professor
Sanjay S Pawar	Principal & Professor (CSE)
Sanjay Sengupta	Professor & HOD
Sanjib Saha	Assistant Professor
Sanjoy Kumar Saha	Assistant Professor
Santanu Patra	Assistant Professor
Sarabeet Lahiri	Assistant Professor
Saradindu Mondal	Assistant Professor
Sarit Pal	Professor
Saurav Ranjan Das	Associate Professor & HOD
Sayantana Dutta	Assistant Professor
Sayanti Samanta	Assistant Professor
Sayed Zahir Hasan	Assistant Professor
Shashi Bajaj Mukherjee	Assistant Professor
Shibendu Mahata	Associate Professor
Shovan Roy	Assistant Professor
Shyama Charan Chakraborty	Associate Professor

Siddhartha Bhowmick	Assistant Professor
Sidhartha Ghosh	Assistant Professor
Sneha Sultana	Assistant Professor
Snehasish Ghosal	Assistant Professor
Soham Dey	Assistant Professor
Sohini Ghosh	Assistant Professor
Somroop Siddhanta	Professor & HOD
Soumen Biswas	Assistant Professor
Soumen Mallick	Assistant Professor
Soumendra Pain	Assistant Professor
Soumyadip Das	Assistant Professor
Sourav Bhattacharya	Assistant Professor
Sourav Moitra	Assistant Professor
Sourav Paul	Assistant Professor
Sovan Bhattacharya	Assistant Professor
Sreejata Sen Sharma	Assistant Professor
Sreeparna Bhattacharya	Assistant Professor
Subhadra Debroy	Assistant Professor
Subhajit Bhattacharya	Assistant Professor
Subhas Chandra Moi	Assistant Professor
Subhashish Pal	Assistant Professor
Subhasis Dutta	Assistant Professor
Subhrangsu Chandra	Assistant Professor
Subrata Samanta	Associate Professor
Sudip Kr. Gorey	Assistant Professor
Sukalpa Dey	Assistant Professor
Sukarna Dey Mondal	Assistant Professor
Suman Bhattacharjee	Associate Professor & HOD
Suman Dasgupta	Assistant Professor
Suman Karmakar	Assistant Professor
Sumana Kundu	Associate Professor
Sumit Banerjee	Assistant Professor
Suneeta De	Associate Professor
Sunil Kumar Choudhary	Associate Professor
Surajit Batabyal	Assistant Professor
Susanta Dutta	Professor & HOD
Susanta Karmakar	Assistant Professor
Suvobrata Sarkar	Assistant Professor
Swadhin Kumar Mondal	Assistant Professor
Taniya Chakraborty	Assistant Professor
Tapan Kumar Chattopadhyay	Assistant Professor
Tapas Mondal	Associate Professor
Tapas Roy	Assistant Professor
Tribeni Prasad Banerjee	Associate Professor
Tushnik Sarkar	Assistant Professor
Uday Kumar Banerjee	Assistant Professor

3.2 Teachers Receiving Ph. D Degree during the Academic Year 2023-24

In the last academic year, the following faculty members have received their Ph.D degrees;

Table 3.2- Faculty Members of Different Departments Receiving Their Ph.D Degree during 2023-24 Academic year

Name	Department
Dr. Arijit Kumar Banerji	CE
Dr. Anandapova Majumder	CSE
Dr. Chandan Das	CSE
Dr. Debipriya Dutta	ECE
Dr. Deepa Naik	CSE
Dr. Kingsuk Majumdar	EE
Dr. Ramkrishna Rakshit	ECE
Dr. Sandip Mukherjee	MBA
Dr. Soham Dey	EE
Dr. Sovan Bhattacharya	CSE (DS)

4. PARTICIPATION IN FACULTY DEVELOPMENT PROGRAM & PUBLICATION DETAILS

Faculty members are at the heart of any educational institution, serving as the key influencers of students' academic success and overall career trajectories. Skilled, knowledgeable, and up-to-date faculty members are essential not only for imparting the latest knowledge but also for inspiring innovation, critical thinking, and professionalism among students. Institutions prioritizing faculty excellence and ensuring their teaching staff are proficient in emerging technologies are more likely to lead in educational rankings and outcomes in the coming years.

I. The Challenge of Ensuring Educational Quality

While state-of-the-art infrastructure, advanced laboratories, and modern resources are necessary for an institution to thrive, they alone cannot guarantee quality education. The presence of highly qualified, motivated, and innovative faculty is equally—if not more—important. Faculty are the bridge between the institution's resources and the students' learning, as they help transform technical infrastructure into meaningful knowledge and practical skills. Without skilled educators, even the most advanced tools and learning environments remain underutilized.

Maintaining high teaching standards is a growing challenge in today's rapidly evolving educational landscape. Technologies such as artificial intelligence, automation, and digital tools are transforming industries, requiring institutions to upgrade not only their infrastructure but also the expertise of their faculty. This demand makes it imperative for faculty members to stay abreast of the latest developments and pedagogical methods, ensuring they impart cutting-edge knowledge to their students.

II. Role of Faculty Development Programs

The Faculty Development Program (FDP) is a strategic initiative designed to enhance the professional competencies of educators. It provides faculty with opportunities to reflect on their current practices, learn about innovative teaching methodologies, and engage in collaborative discussions with peers. The FDP focuses on improving teaching and learning outcomes through group workshops, training sessions, and individualized consultations, encouraging faculty to refine their pedagogic strategies and explore new tools for student engagement.

Through faculty development programs, educators are equipped with the necessary resources to:

Understand Current Best Practices: Faculty gain insights into modern teaching techniques, active learning strategies, and the integration of technology in education. These workshops address specific challenges that arise in delivering complex subjects and engaging diverse student cohorts.

Reflect and Improve: The program creates opportunities for faculty to analyze their teaching styles and receive constructive feedback. Self-reflection, combined with peer discussions, enables educators to evolve and implement better practices in the classroom.

Engage in Research and Innovation: FDPs often emphasize the role of research in effective teaching. Faculty are encouraged to pursue research projects, explore interdisciplinary collaboration, and integrate research findings into their teaching to ensure they remain current in their fields.

Explore Creative Pedagogies: Educators learn about creative teaching methods such as flipped classrooms, problem-based learning, and gamification, all of which foster greater student participation and a deeper understanding of course content.

III. Benefits for Faculty Members

Participation in faculty development programs is critical for professional growth, offering numerous advantages:

Enhanced Knowledge and Skillset: Faculty members gain exposure to emerging technologies, industry trends, and innovative instructional tools. This ensures that their knowledge base remains current and relevant to the demands of the industry.

Improved Teaching Effectiveness: By learning new teaching strategies, educators can design better course materials, create engaging lesson plans, and address diverse student learning needs.

Professional Growth: FDPs open avenues for career advancement, enabling faculty to take on leadership roles, pursue certifications, and improve their credentials.

Networking and Collaboration: Faculty development initiatives bring educators from various disciplines together, fostering collaboration, knowledge sharing, and a sense of community.

Research Opportunities: FDPs often focus on integrating research and teaching, motivating faculty members to contribute to advancements in their fields while simultaneously improving classroom instruction.

IV. Impact on Students and Institution

The ultimate beneficiaries of faculty development programs are the students and the institution as a whole. When faculty adopt innovative teaching practices and stay updated with the latest advancements, students benefit through improved learning outcomes, hands-on experiences, and exposure to current industry trends. For institutions, a faculty equipped with cutting-edge knowledge translates into higher academic rankings, increased student satisfaction, and better placement records.

V. Ensuring Continuous Growth

To remain effective, faculty development programs must be ongoing, adaptable, and focused on both professional and personal growth. Institutions need to invest in regular training, mentorship programs, and opportunities for faculty to participate in national and international workshops. By creating an ecosystem where faculty members feel supported and empowered, institutions can ensure long-term success in delivering high-quality education.

Faculty development programs serve as a cornerstone for maintaining and enhancing the quality of education in an institution. By equipping faculty with the tools, knowledge, and support to excel in teaching and research, these programs ensure that educators remain prepared to meet the evolving needs of students and the industry. As the education sector becomes more competitive, institutions that prioritize the growth and skill development of their faculty will stand out as leaders in producing capable, innovative, and career-ready graduates.

4.1 Benefits of the Faculty Development Program

- To make faculty skilled in latest technologies
- To make them integrate more technology onto their teaching
- To orient faculty to institution's objective & vision
- To expand faculty roles

- To help faculty find work balance
- To help for making quality and concern in the education
- To improve research skills with quality work

4.2 Details of the Faculty Members Participated in FDPs

Table 4.1- Participation of Faculty Members in FDPs

Name	Name Of The FDP Program	Duration
Dr. Sovan Bhattacharya	Emerging Frontiers: Navigating The Convergence Of Technology And Science For Present Progress And Future Innovation	11-03-2024 to 15-03-2024
Dr. Saibal Majumder	Emerging Frontiers: Navigating The Convergence Of Technology And Science For Present Progress And Future Innovation	11-03-2024 to 15-03-2026
Bappaditya Das	Machine Learning Applications For Sustainable Society	22-04-2024 to 26-04-2024
Amitabha Mandal	Machine Learning Applications For Sustainable Society	22-04-2024 to 26-04-2024
Subhasis Dutta	Current Trends In Bussiness Analytics, Research And Publications	24-07-2023 to 28-07-2023
Sandip Chakraborty	Emerging Trends In Science And Technology From Academia To Industry	19-03-2024 to 23-03-2024
Rajib Kumar Mondal	"Cyber Intelligence And Awareness On Social Media Security V2.0",	27- 11-2023 to 01-12-2023
Dr. Chandan Das	Machine Learning Applications For Sustainable Society	22-04-2024 to 26-04-2024
Dr. Santanu Patra	Health Monitoringand Rehabilitationof Structures	18-12-2023 to 23-12-2023
Dr. Sauravranjan Das	HEALTH MONITORINGAND REHABILITATIONOF STRUCTURES	18-12-2023 to 23-12-2023
Dr. Saurav Bhattacharya	Health Monitoringand Rehabilitationof Structures	18-12-2023 to 23-12-2023
Dr. Sukalpadey	Innovations And Future Trends In Industrial Systems And Instrumentation	29-07-2024 to 02-08-2024
Dr. Taniya Chakraborty	Fundamental Concepts Of Sociolinguistics	01-07-2023 to 31-10- 2023
Madhurima Ray Barman	Emerging Trends In Science And Technology From Academia To Industry	19-03-2024 to 23-03-2024
Sohini Ghosh	Artificial Intelligence In Bussinesss	23-07-2024 to 27-07-2024
Debadrita Sen	Pegagogy	19-02-2024 to 23-02-2024
Dr. Mrinmoy Chakraborty	"Moocs, E-Content And Open Educational Resources (Design, Develop And Deliver)"	22-04-2024 to 26-04-2024
Dr. Rajdeep Ray	Emerging Trends In Science And Technology From Academia To Industry (Etstai'24)	9-01-2024 to 15-01-2024
Dr. Alope Saha	Ai Evolution: From Foundations To Generative Ai	22-01-2024 to 27-01-2024
Somroop Siddhanta	Current Trends In Bussiness Analytics, Research And Publications	24-07-2023 to 28-07-2023
Dr. Abhijit Banerjee	Big Data Analysis,Visualization And Machine Learning	15-04-2024 to 19-04-2024
Dr. Sourav Moitra	Emerging Frontiers: Navigating The Convergence Of Technology And Science For Present Progress And Future Innovation	11-03-2024 to 15-03-2024
Mr. Pradipta Sarkar	Additive & Subtractive Manufacturing, Aicte Idea Lab, Brec.	09-01-2024 to 15-01- 2024

Mr. Tapas Roy	Pedagogy	19-02-2024 to 23-02-2024
Mr. Samujjwal Ray	Data Science And Its Application (DSCA 2024)	05-02-2024 to 09-02-2024
Dr. Ramkrishna Rakshit	Pedagogical Emotional Competence	27-02-2024 to 04-03-2024
Ram Prasad Chakraborty	Etstai-24	19-03-2024 to 23-03-2024
Md Keramot Hossain Mondal	Data Science And Its Application (DSCA 2024)	05-02-2024 to 09-02-2024
Manas Kumar Roy	Pedagogy	19-02-2024 to 23-02-2024
Priyanka Roy	Next-Generation Technologies On Information And Communication	05-11-2024 to 09-11-2024
Suman Bhattacharjee	Fdp On Pedagogy	19-02-2024 to 23-02-2024
Dr.Chandanchattoraj	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Dr.Kanchanchatterjee	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Dr.Pabitra Kumar Mandal	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Dr. Rajeev Ranjan	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Dr.Arijit Banerjee	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Dr.Subratasamanta	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Dr. Manoj Kundu	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Prof. Chittasahana	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Prof. Sumankarmakar	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Prof. Subhajit Bhattacharya	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Prof. Deepak Kumar	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Prof. Siddhartha Bhowmik	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Prof. Koushikchatterjee	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Prof. Parthasrathi Bose	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Shyama Charan Chakraborty	Latex Typesetting Software	11-08-2023 to 20-08-2023
Pranoy Roy	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Arijit Kumar Banerji	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Sayantana Dutta	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Sayanti Samanta	Introduction To Research Methodology Busing Analytical Software	19-02-2024 to 23-02-2024
Chanchal Das	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Koyndrik Bhattacharjee	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Surajit Sen	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023

Amit Kotal	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Sanjay Sengupta	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Barnali Das	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Aditya Prasad Roy	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Anindita Sengupta	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Ajitesh Bhattacharjee	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Md. Hamjala Alam	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Dr. Shovan Roy	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Anupam Kumar Biswas	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Anindita Pan	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 22-12-2023
Nasim Anjum Hoque	The Future Of Generative Ai In Academic Research And Publishing	02-01-2024 to 06-01-2024
Swadhin Kumar Mondal	The Future Of Generative Ai In Academic Research And Publishing	02-01-2024 to 06-01-2024
Ritu Rani De Maity	Sustainable Technologies And Algorithms In Electrical Engineering	17-07-2023 to 21-07-2023
Soumen Biswas	Sustainability And Innovation In Energy Engineering And Sensors Technology	15-01-2024 to 20-01-2024
Chandan Paul	Sustainability And Innovation In Energy Engineering And Sensors Technology	15-01-2024 to 20-01-2024
Tapan Kumar Chatterjee	Sustainability And Innovation In Energy Engineering And Sensors Technology	15-01-2024 to 20-01-2024
Chaity Sarkar	Sustainability And Innovation In Energy Engineering And Sensors Technology	15-01-2024 to 20-01-2024
Siddhartha Ghosh	Sustainable Technologies And Algorithms In Electrical Engineering	17-07-2023 to 21-07-2023
Sourav Paul	Sustainable Technologies And Algorithms In Electrical Engineering	17-07-2023 to 21-07-2023
Niloy Kumar Bhattacharjee	Current Trends In Bussiness Analytics, Research And Publications	24-07-2023 to 28-07-2023
Anupam Sinha	Sustainable Technologies And Algorithms In Electrical Engineering	17-07-2023 to 21-07-2023
Bijoylaxmi Koley	Sustainable Technologies And Algorithms In Electrical Engineering	17-07-2023 to 21-07-2023
Basudeb Mondal	Sustainable Technologies And Algorithms In Electrical Engineering	17-07-2023 to 21-07-2023
Soumen Mallick	Sustainable Technologies And Algorithms In Electrical Engineering	17-07-2023 to 21-07-2023
Kamalika Tiwari	Sustainable Technologies And Algorithms In Electrical Engineering	17-07-2023 to 21-07-2023
Susanta Dutta	Sustainable Technologies And Algorithms In Electrical Engineering	17-07-2023 to 21-07-2023
Saradindu Mondal	Sustainable Technologies And Algorithms In Electrical Engineering	17-07-2023 to 21-07-2023
Dola Sinha	Sustainable Technologies And Algorithms In Electrical Engineering	17-07-2023 to 21-07-2023
Dr. Sandip Mukherjee	Introduction To Research Methodology Using Analytical Software	19-02-2024 to 23-02-2024
Prabal Kumar Sahu	Pedagogy	19-02-2024 to 23-02-2024

Arka Banerjee	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Krishna Roy	Current Trends In Bussiness Analytics, Research And Publications	24-07-2023 to 28-07-2023
Sreejata Sen Sarma	The Ten-Day Online Faculty Development Programme On Latex Typesetting Software Under Spoken Tutorial Project, Iit Bombay	11-08-2023 to 20-08-2023.
Banashree Chatterjee	Recent Trends And Applications In Data Science	26-02-2024 to 01-03-2024
Sudip Kumar Gorey	Jorney Into Computing's Future: Technology, Research & Innovation	18-12-2023 to 22-12-2023
Dr. Anirban Chattopadhyay	Recent Advances And Future Trends In Ai And Nlp	15-05-2024 to 19-04-2024
Dipta Chaudhuri	Additive & Subtractive Manufacturing	16-12-2023 to 21-12-2023
Paramita Manna	Pedagogy(How To Teach Better)	19-02-2024 to 23-02-2024
Keka Hajra	Additive & Subtractive Manufacturing	16-12-2023 to 21-12-2023
Kingsuk Majumdar	Sustainable Technologies And Algorithms In Electrical Engineering	17-07-2023 to 21-07-2023
Bhaswati Roy	Introduction To Research Methodology Busing Analytical Software	19-02-2024 to 23-02-2024
Dipak Kumar Dhak	Sustainability And Innovation In Energy Engineering And Sensors Technology	15-01-2024 to 20-01-2024
Soumyadip Das	Health Monitoring And Rehabilitation Of Structures (Hmrs 20	18-12-2023 to 22-12-2023
Dr. Avijit De	Next Generation Artificial Intelligence	11-03-2024 to 16-03-2024
Prasenjit Maji	International Fdp On Cyber Intelligence And Awareness On Social Media Security	27-11-2023 to 01-12-2023
Arunava Mookherjee	Current Trends In Bussiness Analytics, Research And Publications	24-07-2023 to 28-07-2023
Soumendra Pain	"Additive & Subtractive Manufacturing"	16-12-2023 to 21-12-2023
Dr. Rajib Banerjee	Emerging Frontiers:Navigating The Convergence Oftechnology And Sciencefor Present Progress And Future Innovation	11-03-2024 to 15-03-2024
Dr.Deepa Naik	Quantum Computing	11-03-2024 to 15-03-2024
Subhadra Deb Roy	Cloud Infrastructure (Aws)	21-08-2023 to 25-08-2023
Prof. Moutusi Mondal	Recent Advancement On Microwave And Mmwave Communication(08-04-2024 to 12-04-2024
Indrani Sengupta	Advanced Research Methodology With Analytical Software's	04-03-2024 to 08-03-2024
Dr. Dinesh K. Pradhan	Additive & Subtractive Manufacturing	09-01-2024 to 15-01-2024
Dr. Bijoy Gupta	Introduction To Research Methodology Using Analytical Software's	19-02-2024 to 23-02-2024
Dr. Moumita Pradhan	Additive & Subtractive Manufacturing	09-01-2024 to 15-01-2024
Anupam Baidya	Emerging Trainds To Science & Technology From Academia To Industry	19-03-2024 to 23-03-2024
Dr. Anandapova Majumder	Fdp On Pedagogy- Let's Teach Better	19-02-2024 to 23-02-2024
Prof. Nilkamal Bhunia	What And Why Is Project Management Important Today?	03-02-2023 to 03-02-2023
Dr. Debipriya Dutta	"Additive & Subtractive Manufacturing"	09-01-2024 to 15-01-2024

Dr Tapas Mondal	Industrial Instrumentation	19-02-2024 to 23-02-2024
Surajit Batabyal	Cloud Infastructure (Aws)	21-08-2023 to 25-08-2023
Snehashis Ghoshal	Recent Advancement & Development In Renewable Energy Technologies	08-01-2024 to 13-01-2024
Moloy Mukherjee	Machine Learning Application For Sustainable Energy	22-04-2024 to 26-04-2024
Dr Sanjoy Kumar Saha	RECENT ADVANCEMENT AND DEVELOPMENT IN RENEWABLE ENERGY TECHNOLOGIES	08-01-2024 to 13-01-2024
Mou Das Mahapatra	Research Oriented Technical Writing	04-07-2023 to 08-07-2023
Rakesh Biswas	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Dr. Rupali	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Tushnik Sarkar	Introduction To Research Methodology Using Analytical Software's	19-02-2024 to 23-02-2024
Sukarna Dey Mondal	One Week National Level Faculty Development Program On Cloud Infastructure (Aws)	21-08-2023 to 25-08-2023
Jaya Mukhopadhyay	Ten-Day Online Faculty Development Programme On Latex Typesetting Software	11-08-2023 to 20-08-2023
Dr. Jayanta Pal	Health Monitoring And Rehabilitation Of Structures (Hmrs 2023)	18-12-2023 to 23-12-2023
Dr. Subhas Chandra Moi	10 Day Online Faculty Development Program On Latex Typesetting Software	11-08-2023 to 20-08-2023
Chandan Bandyopadhyay	Emerging Frontiers: Navigating The Convergence Of Technology And Science For Present Progress And Future Innovationfdp	11-03-2024 to 15-03-2024
Soham Dey	Pedagogy Training	19-02-2024 to 23-02-2024
Adhit Roy	Sustainability And Innovation In Energy Engineering And Sensors Technology	15-01-2024 to 20-01-2024
Dr. Pabitra Kumar Dey	One Week National Level Faculty Development Program On Cloud Infastructure (Aws)	21-08-2023 to 25-08-2023
Debasis Guha	One Week National Level Faculty Development Program On Cloud Infastructure (Aws)	21-08-2023 to 25-08-2023
Subhrangsu Chandra	Data Science And Its Applications	05-02-2024 to 09-02-2024
Ansuman Mahanty	Latest Traind And Techniques In Software Engineering	20-01-2024 to 27-01-2024

4.3 Benefits Received from FDPs

All the faculty members participating in FDPs have benefitted from different ways. The sense of confidence in implementing new activities in the classroom was high after the workshop and there was an increase in faculty expressing their willingness to try new approaches to teaching. Some of the faculty participants have started writing education research papers for submission to conferences and journals and this increase is largely attributable to the initiatives.

4.4 Publication Details

Table 4.2- Publication Details of the Faculty Members in Conference Proceedings/Book

Name of the teacher	Title of the paper	Affiliating Institute at the time of publication	Name of the publisher
PRASENJIT MAJI	Future Outlier Detection Algorithm for Smarter Industry Application Using ML and AI: Explainable AI and ML for Smart Industry Evolution Using ML/AI Algorithms and Implementations	DR. B.C. ROY ENGINEERING COLLEGE	IGI GLOBAL
ARIJIT KUMAR BANERJI	Use of Construction and Demolition Waste Material for Soil Stabilization	Dr. B. C. Roy Engineering College, Durgapur, India	Grinrey Publishing
Md. Hamjala Alam	Effect of Adding Waste High-Density Polyethylene Flakes on the Subgrade Soil Behavior and Characterization for Pavement Applications	Dr. B. C. Roy Engineering College Durgapur	SPRINGER
DR.SARIT PAL	Internet of Things Enabled Precision Agriculture for Sustainable Rural Development	Dr. B. C. Roy Engineering College, Durgapur	Apple Academic Press

Dr. ALOKE SAHA	Novel CMOS 1-Digit BCD-Adder Correction Circuit	Dr. B. C. Roy Engineering College	Springer, Singapore
CHANCHAL DAS	Use of Construction and Demolition Waste Material for Soil Stabilization	Dr. B. C. Roy Engineering College, Durgapur, India	Grinrey Publishing
Chanchal Das	Effect of Adding Waste High-Density Polyethylene Flakes on the Subgrade Soil Behavior and Characterization for Pavement Applications	Dr. B. C. Roy Engineering College Durgapur	SPRINGER
Anandapova Majumder	Digital Watermarking Strategies for Healthcare Data Security: A Comprehensive Review and Analysis	Dr. B. C. Roy Engineering College	IGI Global
Soumen Biswas	Design of Type-2 Fuzzy Controller for Hybrid Multi-Area Power System	Dr. B C Roy Engineering College , Durgapur	Wiley Online Library
Md. Hamjala Alam	PERFORMANCE OF CLAYEY AND SANDY SUBGRADE SOIL STABILISED WITH RBI GRADE 81	Dr. B. C. Roy Engineering College Durgapur, India	Iterative International Publishers (IIP), Selfypage Developers Pvt Ltd.N
Shovan Roy	Effect of Adding Waste High-Density Polyethylene Flakes on the Subgrade Soil Behavior and Characterization for Pavement Applications	Dr. B. C. Roy Engineering College Durgapur	SPRINGER

MD. HAMJALA ALAM	Enhancing Concrete Strength through partial substitution of Conventional Materials with Marble Powder, Crushed Marble, and Over-Burnt Bricks	Dr. B. C. Roy Engineering College, Durgapur	NEW DELHI PUBLISHERS
ARIJIT KUMAR BANERJI	Enhancing Concrete Strength through partial substitution of Conventional Materials with Marble Powder, Crushed Marble, and Over-Burnt Bricks	Dr. B. C. Roy Engineering College, Durgapur	NEW DELHI PUBLISHERS
CHANCHAL DAS	Enhancing Concrete Strength through partial substitution of Conventional Materials with Marble Powder, Crushed Marble, and Over-Burnt Bricks	Dr. B. C. Roy Engineering College, Durgapur	NEW DELHI PUBLISHERS
Koynndrik Bhattacharjee	Enhancing Concrete Strength through partial substitution of Conventional Materials with Marble Powder, Crushed Marble, and Over-Burnt Bricks	Dr. B. C. Roy Engineering College, Durgapur	NEW DELHI PUBLISHERS
MD. HAMJALA ALAM	Use of Construction and Demolition Waste Material for Soil Stabilization	Dr. B. C. Roy Engineering College, Durgapur, India	Grinrey Publishing
BISWADEV GOSWAMI	Handling Segmentation and Classification Problems in Deep Learning for Identification of Interstitial Lung Disease	DR.B.C.ROY ENGINEERING COLLEGE	TAYLOR AND FRANCIS

SIDDHARTHA BHOWMICK	NA	Dr. B.C. Roy Engineering College, Durgapur	COSMAS SCIENTIFIC PUBLICATIONS (Registered under the ministry of SME, Government of India)
Soumyadip Das	Damage Detection in Reinforced Concrete Slab Using Shannon Entropy Applied to Acoustic Emission Signals	Dr. B. C. Roy Engineering College Durgapur	Springer Singapore
Sanjay Sengupta	Damage Detection in Reinforced Concrete Slab Using Shannon Entropy Applied to Acoustic Emission Signals	Dr. B. C. Roy Engineering College Durgapur	Springer Singapore
Dr. Sumana Kundu	Paddy Leaf Diseases Detection using Otsu and Yen Thresholding with Deep Convolutional Neural Network	Dr. B. C. Roy Engineering College	CRC press
Prasenjit Maji	Edge AI in Cloud Computing for Sustainable Development: Enhancing Cloud Computing With Applied Artificial Intelligence and Machine Learning	Dr. B.C. Roy Engineering College	IGI Global
Prasenjit Maji	Applied Neural Networks in Mechatronics for Intelligent Engineering Applications: Enhancing Mechatronic Systems With Applied Neural Networks – Augmentation in Intelligent Engineering	Dr. B.C. Roy Engineering College	IGI Global

Chanchal Das	PERFORMANCE OF CLAYEY AND SANDY SUBGRADE SOIL STABILISED WITH RBI GRADE 81	Dr. B. C. Roy Engineering College Durgapur, India	Iterative International Publishers (IIP), Selfypage Developers Pvt Ltd.N
Koyndrik Bhattacharjee	AN ANALYSIS OF G+7 IRREGULAR BUILDING USING NON-LINEAR STATIC AND DYNAMIC ANALYSIS	Dr. B. C. Roy Engineering College Durgapur, India	Iterative International Publishers (IIP), Selfypage Developers Pvt Ltd.N
ARIJIT KUMAR BANERJI	Effect of Adding Waste High-Density Polyethylene Flakes on the Subgrade Soil Behavior and Characterization for Pavement Applications	Dr. B. C. Roy Engineering College Durgapur	SPRINGER
Dr. Sumana Kundu	Digital Watermarking Strategies for Healthcare Data Security: A Comprehensive Review and Analysis	Dr. B. C. Roy Engineering College	IGI Global
Dr. Arindam Mondal	Design of Type-2 Fuzzy Controller for Hybrid Multi-Area Power System	Dr. B C Roy Engineering College , Durgapur	Wiley Online Library
ARIJIT KUMAR BANERJI	PERFORMANCE OF CLAYEY AND SANDY SUBGRADE SOIL STABILISED WITH RBI GRADE 81	Dr. B. C. Roy Engineering College Durgapur, India	Iterative International Publishers (IIP), Selfypage Developers Pvt Ltd.N
ARIJIT KUMAR BANERJI	AN ANALYSIS OF G+7 IRREGULAR BUILDING USING NON-LINEAR STATIC AND DYNAMIC ANALYSIS	Dr. B. C. Roy Engineering College Durgapur, India	Iterative International Publishers (IIP), Selfypage Developers Pvt Ltd.N

Koyndrik Bhattacharjee	PERFORMANCE OF CLAYEY AND SANDY SUBGRADE SOIL STABILISED WITH RBI GRADE 81	Dr. B. C. Roy Engineering College Durgapur, India	Iterative International Publishers (IIP), Selfypage Developers Pvt Ltd.N
Krishna Roy	DATA ANALYTICS SKILLS FOR MANAGERS	Dr. B.C. Roy Engineering College	ARYAN PUBLISHING HOUSE
Somroop Siddhanta	Is the Premier League Really Balanced? Evidence From Multiple Measures	Dr B C Roy Engineering College Durgapur	Routledge India (Taylor & Francis group)
Dr. Arunava Mookherjee	DATA ANALYTICS SKILLS FOR MANAGERS	Dr. B.C. Roy Engineering College	ARYAN PUBLISHING HOUSE
Chanchal Das	AN ANALYSIS OF G+7 IRREGULAR BUILDING USING NON-LINEAR STATIC AND DYNAMIC ANALYSIS	Dr. B. C. Roy Engineering College Durgapur, India	Iterative International Publishers (IIP), Selfypage Developers Pvt Ltd.N
Sneha Sultana	Optimal Tuning of Single Input Power System Stabilizer Using Quasi- Oppositional Butterfly Optimization Algorithm	Dr. B. C. Roy Engineering College, Durgapur	IGI Global
Chaity Sarkar	Proficient Dynamic ED Solution With V2G Integration Along With Renewables	Dr. B. C. Roy Engineering College, Durgapur	IGI Global
Chandan Paul	Optimal Tuning of Single Input Power System Stabilizer Using Quasi- Oppositional Butterfly Optimization Algorithm	Dr. B. C. Roy Engineering College, Durgapur	IGI Global

Dr. Sourav Paul	Optimal Tuning of Single Input Power System Stabilizer Using Quasi- Oppositional Butterfly Optimization Algorithm	Dr. B. C. Roy Engineering College, Durgapur	IGI Global
Dr. SAIBAL MAJUMDER	MACHINE LEARNING: A GATEWAY TO DATA SCIENCE	DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR	LEILANI KATIE Publication and PRESS, Madurai, Tamil Nadu, India
Chandan Bandyopadhyay	MACHINE LEARNING: A GATEWAY TO DATA SCIENCE	DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR	LEILANI KATIE Publication and PRESS, Madurai, Tamil Nadu, India
Md. Hamjala Alam	AN ANALYSIS OF G+7 IRREGULAR BUILDING USING NON-LINEAR STATIC AND DYNAMIC ANALYSIS	Dr. B. C. Roy Engineering College Durgapur, India	Iterative International Publishers (IIP), Selfypage Developers Pvt Ltd.N
Niloy Kumar Bhattacharjee	-	Dr. B.C. Roy Engineering College	ARYAN PUBLISHING HOUSE
Tushnik Sarkar	Optimal Tuning of Single Input Power System Stabilizer Using Quasi- Oppositional Butterfly Optimization Algorithm	Dr. B. C. Roy Engineering College, Durgapur	IGI Global
Sanjoy Kumar Saha	Performance of Microturbine as in Microgrid Comparison With Fuel Cell	Dr. B. C. Roy Engineering College, Durgapur	IGI Global
Shibendu Mahata	Comparative Study of Five Fractional-Order Low Pass Filter Transfer Functions: Optimization, Simulation, and Implementation Using CCII+	Dr. B. C. Roy Engineering College, Durgapur	IGI Global

Dr. Sourav Paul	Performance of Microturbine as in Microgrid Comparison With Fuel Cell	Dr. B. C. Roy Engineering College, Durgapur	IGI Global
Susanta Dutta	Optimal Tuning of Single Input Power System Stabilizer Using Quasi- Oppositional Butterfly Optimization Algorithm	Dr. B. C. Roy Engineering College, Durgapur	IGI Global
Sandip Chakraborty	Exploring the PSO-Driven Test Pattern Generation Approach for Hardware Trojan Detection	Dr. B. C. Roy Engineering College	IEEE
Ritu Rani De Maity	Investigating the Effectiveness of Optimization with Modified Stability Boundary Locus Fitting for Approximation of α -order Fractional Filters	Dr.B.C.Roy Engineering College, Durgapur	IEEE
Ritu Rani De Maity	FPA-based Approximation and Realization of Analog Fractional-Order Integrator	Dr.B.C.Roy Engineering College , Durgapur	IEEE
Shibendu Mahata	FPA-based Approximation and Realization of Analog Fractional-Order Integrator	Dr. B.C. Roy Engineering College, Durgapur	IEEE

Shibendu Mahata	Investigating the Effectiveness of Optimization with Modified Stability Boundary Locus Fitting for Approximation of α -order Fractional Filters	Dr. B.C. Roy Engineering College, Durgapur	IEEE
Shibendu Mahata	Enhanced Fitness Adaptive Differential Evolution Approach for Tuning of PID Controller in AVR System	Dr. B.C. Roy Engineering College, Durgapur	IEEE
BISWADEV GOSWAMI	Usability Evaluation of Virtual Communication Tools Using UX/UI Design and ML Techniques	DR.B.C.ROY ENGINEERING COLLEGE	IEEE EXPLORER
BISWADEV GOSWAMI	Buddy App: Virtual Assistant For Old Aged And Visually Challenged People	DR.B.C.ROY ENGINEERING COLLEGE	IEEE
BISWADEV GOSWAMI	Usability Evaluation of E-Learning Platforms Using UX/UI Design and ML Technique	DR.B.C.ROY ENGINEERING COLLEGE	IEEE EXPLORE

Dr. Sandip Mukherjee	Intelligent user interfaces for Industry 4.0: Improving workplace security by systematically applying machine learning and image processing to identify face mask usage	Dr. B.C. Roy Engineering College, Durgapur	IEEE
Dr. Sandip Mukherjee	Analytical Review of the Trends of Microfinance Sector in India on Lending Assets	Dr. B.C. Roy Engineering College, Durgapur	IEEE
Mou Das Mahapatra	Design of 1-DOF Integer and Fractional-Order PID Controllers Using an Ensemble Differential Evolution for a Magnetic Levitation System	BCREC	SPINGER
Mou Das Mahapatra	Performance Comparisons of MPEDE-Based Integer and Fractional-Order PID Controllers for a Cruise Control System	BCREC	SPINGER
Kingsuk Majumdar	Modelling and Control of a Flexible Link Rotary Servo	BCREC	10.1109/ICCECE58645.2024.1049741 9

MD KERAMOT HOSSAIN MONDAL	Advanced Deep Learning and NLP for Enhanced Food Delivery: Future Insights on Demand Prediction, Route Optimization, Personalization, and Customer Support	DR B C ROY ENGINEERING COLLEGE	IIEEE
Dr. Arindam Mondal	Microgrid System Modelling and Performance Analysis: Analysis from Case Studies	Dr. B C Roy Engineering College, Durgapur	IEEE
Dr. Arindam Mondal	Fuzzy Fractional Order PID Controller Design for AVR System	Dr. B C Roy Engineering College, Durgapur	IEEE
Prasenjit Maji	SNN Based Neuromorphic Computing Towards Healthcare Applications	Dr. B.C. Roy Engineering College	Springer, Cham
Prasenjit Maji	Revolutionizing and Enhancing Medical Diagnostics with Conditional GANs for Cross-Modality Image Translation	Dr. B.C. Roy Engineering College	IEEE
Sayanti Samanta	Analytical Review of the Trends of Microfinance Sector in India on Lending Assets	Dr. B. C. Roy Engineering College	IEEE

Dr.Deepa Naik	QOS in Wireless Sensor Network-Fault Tolerance and Efficient Bandwidth Allocation	Dr.B.C.Roy engineering college	SRM University
Sayanti Samanta	Intelligent user interfaces for Industry 4.0: Improving workplace security by systematically applying machine learning and image processing to identify face mask usage	Dr. B. C. Roy Engineering College	IEEE
MOLOY MUKHERJEE	Novel Ultrawide band Multi Input/Multi Output Antenna Design with Single Notch Characteristics and Investigation with Improved Isolation	DR.B.C.ROY ENGINEERING COLLEGE	IEEE
SNEHASHIS GHOSHAL	Microgrid System Modelling and Performance Analysis: Analysis from Case Studies	Dr. B.C.Roy Engineering College	IEEE
BIJOYLAXMI KOLEY	An Adaptive Deep Neural Network for Sleep Staging using Electroencephalogram	DR. B.C. ROY ENGINEERING COLLEGE	IEEE
Sumit Banerjee	Performance Analysis of a Storage-Based PV System	Dr. B.C.Roy Engineering College	IEEE

Mou Das Mahapatra	Enhanced Fitness Adaptive Differential Evolution Approach for Tuning of PID Controller in AVR System	BCREC and NIT Durgapur	IEEE
ARNAB BANERJEE	SegFishHead: A Semantic Segmentation Approach for the identification of fish species in a Cluttered Environment	DR. B. C. ROY POLYTECHNIC	IEEE EXPLORE
Soham Dey	Optimum Tuning of 1&2-dof TID-F Controllers for a MAGLEV System with Experimental Validation	Dr. B.C. Roy Engineering College, Durgapur	IEEE
Dr. Dola Sinha	Evolution of 6G- an In-depth Survey on History of Spectrum Allocation	Dr. B. C. Roy Engineering College, Durgapur	IEEE
Dr. Dola Sinha	A Dynamic Programming Based Graph Traversal Approach for Efficient Implementation of Nearest Neighbor Architecture in 2D	Dr. B. C. Roy Engineering College, Durgapur	IEEE
Dr.Arindam Mondal	Forecasting of Rainfall in Subdivisions of India Using Machine Learning	Dr. B C Roy Engineering College , Durgapur	Springer
Chandan Bandyopadhyay	A Dynamic Programming Based Graph Traversal Approach for Efficient Implementation of Nearest Neighbor Architecture in 2D	BCREC	IEEE

Sovan Bhattacharya	A Dynamic Programming Based Graph Traversal Approach for Efficient Implementation of Nearest Neighbor Architecture in 2D	BCREC	IEEE
Sovan Bhattacharya	Evolution of 6G- an In-depth Survey on History of Spectrum Allocation	BCREC	IEEE
Chandan Bandyopadhyay	Evolution of 6G- an In-depth Survey on History of Spectrum Allocation	BCREC	IEEE
Sanjib Saha	ViT-ILD: A Vision Transformer-based Neural Network for Detection of Interstitial Lung Disease from CT Images	Department of Computer Science and Engineering, Dr. B. C. Roy Engineering College, Durgapur	Elsevier, Procedia Computer Science, Scopus
Arka Banerjee	Metal Inert Gas Cladding Simulations and Residual Stress Analysis of Mild Steel	Dr. BC Roy Engineering College, Durgapur	Taylor and Francis Group
Dr. Sourav Paul	Chaotic Quasi- Oppositional Moth Flame Optimization for Solving Multi-objective Optimal DG Emplacement Problem in Radial Distribution Network	Dr. B C Roy Engineering College, Durgapur	Springer

SNEHASHIS GHOSHAL	PERFORMANCE ANALYSIS OF A STORAGE BASED PV SYSTEM	DR. B.C.ROY ENGINEERING COLLEGE	IEEE
Dr. Chaity Satkar	Modelling and Control of a Flexible Link Rotary Servo	Dr. B.C Roy Engineering College	IEEE
Dr. Arunava Mookherjee	Predicting Customer Satisfaction of Luxury Watches Using ID3 Algorithm	Dr. B. C. Roy Engineering College	IEEE
Dr. Sneha Sultana	Optimal Tuning of Single Input Power System Stabilizer Using Chaotic Quasi- Oppositional Differential Search Algorithm	Dr. B. C. Roy Engineering College, Durgapur	Springer Singapore
Dr. Arunava Mookherjee	A study to identify significant predictors of Employee Satisfaction of Private Security Personnel of Enterprises through Hierarchical Multiple	Dr. B. C Roy Engineering College	IEEE

Dr. Subhas Chandra Moi	Metal inert gas cladding simulations and residual stress analysis of mild steel	Dr. B. C. Roy Engineering College	CRC Press, Taylor & Francis
Krishna Roy	Predicting Customer Satisfaction of Luxury Watches Using ID3 Algorithm	Dr. B. C. Roy Engineering College, Durgapur	IEEE
Dr. Sourav Paul	Radial Distribution Networks Reconfiguration with Allocation of DG Using Quasi- Oppositional Moth Flame Optimization	Dr. B C Roy Engineering College, Durgapur	Springer
DR. MANOJ KUNDU	Metal Inert Gas Cladding Simulation and Residual Stress analysis of Mild Steel	DR.BCREC, DURGAPUR	TAYLOR & FRANCIS
Rajeev Ranjan	Metal inert gas cladding simulations and residual stress analysis of mild steel	Dr. B. C. Roy Engineering College	CRC Press, Taylor & Francis
Dr Sneha Sultana	Chaotic Quasi- Oppositional Moth Flame Optimization for Solving Multi-objective Optimal DG Emplacement Problem in Radial Distribution Network	Dr. B C Roy Engineering College, Durgapur	Springer

Dr. Sourav Paul	Optimal Tuning of Single Input Power System Stabilizer Using Chaotic Quasi- Oppositional Differential Search Algorithm	Dr. B. C. Roy Engineering College, Durgapur	Springer Singapore
Dr. Sneha Sultana	Radial Distribution Networks Reconfiguration with Allocation of DG Using Quasi- Oppositional Moth Flame Optimization	Dr. B C Roy Engineering College, Durgapur	Springer
Dr. Sneha Sultana	Chaotic Quasi- Oppositional Moth Flame Optimization for Radial Distribution Network Reconfiguration with DG Allocation	Dr. B C Roy Engineering College, Durgapur	springer
Dr. Sourav Paul	Chaotic Quasi- Oppositional Differential Search Algorithm for Transient Stability Constraint Optimal Power Flow Problem	Dr. B. C. Roy Engineering College, Durgapur	Springer Nature Singapore Pte Ltd. 2024
Dr. CHANDAN DAS	Fuzzy Fractional Order PID Controller Design for AVR System	Dr. B. C. Roy Engineering College	IEEE
Amit Kotal	Identifying the Infrastructural and Digitalization Development of Jemua Village as a Smart Village	Dr. B.C.Roy Engineering College, Durgapur	Springer Singapore
Dr. Shovan Roy	Identifying the Infrastructural and Digitalization Development of Jemua Village as a Smart Village	Dr. B. C. Roy Engineering College	Springer Singapore

KEKA HAJRA	FLEXIBLE AND WEARABLE EBG LOADED SIW BAND PASS FILTER	DR B C ROY ENGINEERING COLLEGE	IEEE
Dr. Sourav Paul	Chaotic Quasi- Oppositional Moth Flame Optimization for Radial Distribution Network Reconfiguration with DG Allocation	Dr. B C Roy Engineering College, Durgapur	springer
Niloy Kumar Bhattacharjee	Intelligent user interfaces for Industry 4.0: Improving workplace security by systematically applying machine learning and image processing to identify face mask usage	Dr. B.C. Roy Engineering College, Durgapur	IEEE
Bhaswati Roy	Intelligent user interfaces for Industry 4.0: Improving workplace security by systematically applying machine learning and image processing to identify face mask usage	Dr. B.C. Roy Engineering College, Durgapur	IEEE
Niloy Kumar Bhattacharjee	Analytical Review of the Trends of Microfinance Sector in India on Lending Assets	Dr. B.C. Roy Engineering College, Durgapur	IEEE
Bhaswati Roy	Analytical Review of the Trends of Microfinance Sector in India on Lending Assets	Dr. B.C. Roy Engineering College, Durgapur	IEEE

Shibendu Mahata	Design of 1-DOF Integer and Fractional-Order PID Controllers Using an Ensemble Differential Evolution for a Magnetic Levitation System	BCREC	SPINGER
Ritu Rani De Maity	Design of 1-DOF Integer and Fractional-Order PID Controllers Using an Ensemble Differential Evolution for a Magnetic Levitation System	BCREC	SPINGER
Shibendu Mahata	Performance Comparisons of MPEDE-Based Integer and Fractional-Order PID Controllers for a Cruise Control System	BCREC	SPINGER
Ritu Rani De Maity	Performance Comparisons of MPEDE-Based Integer and Fractional-Order PID Controllers for a Cruise Control System	BCREC	SPINGER
AMITABHA MONDAL	Advanced Deep Learning and NLP for Enhanced Food Delivery: Future Insights on Demand Prediction, Route Optimization, Personalization, and Customer Support	DR B C ROY ENGINEERING COLLEGE	IIEEE

SANDIP CHAKRABORTY	Advanced Deep Learning and NLP for Enhanced Food Delivery: Future Insights on Demand Prediction, Route Optimization, Personalization, and Customer Support	DR B C ROY ENGINEERING COLLEGE	IIEEE
MANAS KUMAR ROY	Advanced Deep Learning and NLP for Enhanced Food Delivery: Future Insights on Demand Prediction, Route Optimization, Personalization, and Customer Support	DR B C ROY ENGINEERING COLLEGE	IIEEE
Samujwal Ray	Novel Ultrawide band Multi Input/Multi Output Antenna Design with Single Notch Characteristics and Investigation with Improved Isolation	DR.B.C.ROY ENGINEERING COLLEGE	IEEE
Narendra Nath Pathak	Novel Ultrawide band Multi Input/Multi Output Antenna Design with Single Notch Characteristics and Investigation with Improved Isolation	DR.B.C.ROY ENGINEERING COLLEGE	IEEE
Mrinmoy Chakraborty	Novel Ultrawide band Multi Input/Multi Output Antenna Design with Single Notch Characteristics and Investigation with Improved Isolation	DR.B.C.ROY ENGINEERING COLLEGE	IEEE
Dr. Sneha Sultana	Chaotic Quasi- Oppositional Differential Search Algorithm for Transient Stability Constraint Optimal Power Flow Problem	Dr. B. C. Roy Engineering College, Durgapur	Springer Nature Singapore Pte Ltd. 2024

Koyndrik Bhattacharjee	Design and Analysis of Substrate Reliant Slotted Microstrip Patch Antenna for Modern Communication	Dr. B. C. Roy Engineering College	IEEE Xplore
Koyndrik Bhattacharjee	A miniaturized UWB monopole antenna for sub-6 GHz 5G wireless applications	Dr. B. C. Roy Engineering College	IEEE Xplore
ANADAPRAVA MAZUMDER	Malicious Transaction URL Detection Using Logistic Regression	Dr. B. C. Roy Engineering College, Durgapur	Springer, Singapore
Raj Kumar Samanta	Investigating the Fractality and Stationarity Behavior of Global Temperature Anomaly Time Series	Dr. B.C. Roy Engineering College, Durgapur	IEEE
KEKA HAJRA	Wearable Substrate Integrated Waveguide (SIW) Iris Band Pass Filter (BPF) over Jeans Substrate	BCREC	IEEE
SOURAV MOITRA	Wearable Substrate Integrated Waveguide (SIW) Iris Band Pass Filter (BPF) over Jeans Substrate	BCREC	IEEE
ARNAB BANERJEE	CARP-YOLO: A Detection Framework for Recognising and Counting Fish Species in a Cluttered Environment	DR. B. C. ROY ENGINEERING COLLEGE	IEEE

Dr. Anup Kumar Das	Secure Encryption Using Bit Shuffling	Dr. B. C. Roy Engineering College, Durgapur.	Springer
Uday Kumar Banerjee	Secure Encryption Using Bit Shuffling	Dr. B. C. Roy Engineering College	Springer
Dr. Rajdeep Ray	Secure Encryption Using Bit Shuffling	Dr. B. C. Roy Engineering College	Springer, Singapore
Subhashish Pal	Color Image Encryption Using Hybrid Three-Scroll Unified Chaotic Attractor and 6D Hyperchaotic System	Dr B C Roy Engineering College, Durgapur	Springer
Ansuman Mahanty	Color Image Encryption Using Hybrid Three-Scroll Unified Chaotic Attractor and 6D Hyperchaotic System	Dr. B. C. Roy Engineering College, Durgapur	Springer, Singapore
RAJDEEP RAY	Wearable Substrate Integrated Waveguide (SIW) Iris Band Pass Filter (BPF) over Jeans Substrate	BCREC	IEEE
ABHIJIT BANERJEE	Wearable Substrate Integrated Waveguide (SIW) Iris Band Pass Filter (BPF) over Jeans Substrate	BCREC	IEEE

DR. CHANDAN KONER	Secure Encryption Using Bit Shuffling	Dr. B. C. Roy Engineering College	Springer, Singapore
D CHAND	Wearable Substrate Integrated Waveguide (SIW) Iris Band Pass Filter (BPF) over Jeans Substrate	BCREC	IEEE
DR SOURAV MOITRA	FLEXIBLE AND WEARABLE EBG LOADED SIW BAND PASS FILTER	DR B C ROY ENGINEERING COLLEGE	IEEE
PABITRA KUMAR DEY	Prediction of future career course of students through RF Algorithm	DR. B. C. ROY ENGINEERING COLLEGE	Springer Singapore
Dr. Saibal Majumder	On Multi-objective Fuzzy Shortest Path Problem	Department of Computer Science and Engineering (Data Science), Dr. B.C. Roy Engineering College, Durgapur, West Bengal, India	Springer, Singapore
SUKARNA DEY MONDAL	Prediction of future career course of students through RF Algorithm	DR. B. C. ROY ENGINEERING COLLEGE	Springer Singapore
SANDIP CHAKRABORTY	Unveiling the Power of Data Structures: Exploring Applications in Diverse Computing Domains	Dr. B. C. Roy Engineering College	IEEE
Ritu Rani De Maity	An Optimal Approximation Technique for Fractional-order Lead Compensator Applied to a Car Suspension Problem	Dr.B.CRoy Engineering College, Durgapur	IEEE

Shibendu Mahata	An optimal approximation technique for fractional-order lead compensator applied to a car suspension problem	Dr. B.C. Roy Engineering College, Durgapur	IEEE
Gour Sundar Mitra Thakur	Review on Air Pollution Monitoring using AI	Dr. B. C. Roy Engineering College Durgapur	IEEE
Dr. Sumana Kundu	Malicious Transaction URL Detection Using Logistic Regression	Dr. B. C. Roy Engineering College, Durgapur	Springer, Singapore
Dr Falguni Chakraborty	ANN for Diabetic Prediction by Using Chaotic Based Sine Cosine Algorithm	Dr. B. C. Roy Engineering College, Durgapur, India	Springer, Cham
Arka Banerjee	Computational Analysis on the Three-Dimensionality of Turbulent Duct-Flow Subsequent to In-Plane Double Bends	Dr. B. C. Roy Engineering College, Durgapur,	Springer
SUMAN KARMAKAR	A Finite Element Approach for Prediction of First-Ply Failure Load of Delaminated Composite Conical Rotating Shell	Dr. B. C. Roy Engineering College, Durgapur	Springer Nature Singapore Pte Ltd. 2024
Dr. Arindam Mondal	Speed control of Brushless DC motor in discrete delta domain: A unified approach	Dr. B C Roy Engineering College, Durgapur	IEEE

Gour Sundar Mitra Thakur	Diabetes Prediction Using Machine Learning: A Detailed Insight	Dr. B. C. Roy Engineering College Durgapur	Springer, Cham
Dr. Arindam Mondal	Comparative study of cement and lime stabilization techniques for improving compressive strength of soil	Dr. B C Roy Engineering College, Durgapur	AIP Conference Proceedings
Sanjib Saha	Storage and Organisation of Geospatial Data in Distributed Blockchain Using IPFS	Dr. B. C. Roy Engineering College, Durgapur	Springer (Scopus), Lecture Notes in Electrical Engineering
Sanjib Saha	DNN-ILD: A Transfer Learning-based Deep Neural Network for Automated Classification of Interstitial Lung Disease from CT Images	Dr. B. C. Roy Engineering College, Durgapur	Springer, Signals and Communication Technology (Scopus)

Over the last one year, our dedicated faculty members have submitted and published their research works in reputed journals. Following is the list of the same;

Table 4.3- Publication Details of the Faculty Members in Journals

Title of paper	Name of Author(s) as per paper (separated by comma)	Department of Teacher	Name of journal
Chaotic-quasi-opposition based whale optimization technique applied to multi-objective complementary scheduling of grid connected hydro-thermal-wind-solar-electric vehicle system	Dr Chandan Paul , Provas Kumar Roy, Vivekananda Mukherjee	EE	Optimal Control application and Methods
Multi-objective combined heat and power with wind-solar-EV of optimal power flow using hybrid evolutionary approach	Chandan Paul , Tushnik sarkar, Susanta Dutta, Provas Kumar Roy	EE	Electrical Engineering
Oppositional based artificial rabbits optimization applied for optimal allocation of nonlinear DG in distribution networks considering total harmonic distortion limit	Anamika Gorain, Barun Mondal, Provas Kumar Roy, Chandan Paul	EE	Electric Power System Research
Integration of optimal power flow with combined heat and power dispatch of renewable wind energy based power system using chaotic driving training based optimization	Chandan Paul , Tushnik Sarkar, Susanta Dutta, Provas Kumar Roy	EE	Renewable Energy Focus
Optimal solution for hydro-thermal-wind-solar scheduling using opposition-based whale optimization algorithm	Dr Chandan Paul , Dr Provas Kumar Roy, Dr Vivekananda Mukherjee	EE	Soft Computing (Springer)

MEMS-based Wearable Smart-Glove and its Application of Gesture Detection and Sign Language Classification for Vocally Impaired with Integrated Health Monitoring System	Rekha H., Banda Sai Sandeep, Rashma M., G. N. Keshava Murthy, Kamalika Tiwari , Subhasis Datta	EE	International Journal of Intelligent Systems and Applications in Engineering
Multi-objective combined heat and power with wind-solar-EV of optimal power flow using hybrid evolutionary approach	Chandan Paul, Tushnik sarkar, Susanta Dutta , Provas Kumar Roy	EE	Electrical Engineering
MEMS-based Wearable Smart-Glove and its Application of Gesture Detection and Sign Language Classification for Vocally Impaired with Integrated Health Monitoring System	Rekha H., Banda Saisandeep, Rashma M., G. N. Keshava Murthy, Kamalika Tiwari, Subhasis Datta	FMS	International Journal of Intelligent Systems and Applications in Engineering
Towards the Detection of Hardware Trojans with Cost Effective Test Vectors using Genetic Algorithm	Sandip Chakraborty , Archisman Ghosh, Anindan Mondal, Bibhash Sen	IT	Journal of Electronic Testing
A dense sub-graph-based approach for automatic detection of optic disc	Subrata Jana, Gour Sundar Mitra Thakur , Tribeni Prasad Banerjee, Pabitra Mitra	AIML	International Journal of Bioinformatics Research and Applications
Advanced hybrid color image encryption utilizing novel chaotic neural network and 5D-hyperchaotic system	Subhashish Pal , Jaya Mukhopadhyay, Arghya Pathak, Hrishikesh Mondal,	BSc&Hu	Evolutionary Intelligence

	Mrinal Kanti Mandal		
SVM-RLF-DNN: A DNN with reliefF and SVM for automatic identification of COVID from chest X-ray and CT images	Sanjib Saha , Debashis Nandi	CSE	DIGITAL HEALTH
A Heuristic Approach to Solve Author Name Ambiguity using Minimum Bibliographic Evidences	Sovan Bhattacharya , Prasenjit Choudhury, Subrata Nandi, Dinesh Kumar Pradhan	IT	SN Computer Science Journal
Automated Bone Fracture Detection in X-ray Imaging to Improve Orthopaedic Diagnostics in Healthcare	Soumi Ghosh , Jahiruddin Mallick , Monalisa Chakraborty , Subir Gupta	CSE	Procedia Computer Science
Opposition-Based Artificial Hummingbird Algorithm Applied to Elementary Machine Design Problems	Bhattacharjee, V. , Roy, P.K. & Chatteraj, C	ME	SN Computer Science
Wind and Solar Based Multi-Objective Hydro-Thermal Scheduling Using Chaotic-Oppositional Whale Optimization Algorithm	Dr Chandan Paul	EE	Electric power Component and System
Application of FUZZY-3DOF-PID controller for controlling FOPTD type communication delay based renewable three-area deregulated hybrid power system	Susmit Chakraborty, Dr. Arindam Mondal, Dr. Soumen Biswas	EE	Evolutionary Intelligence
Design of FUZZY-3DOF-PID controller for an Ocean Thermal hybrid Automatic Generation Control system	Susmit Chakraborty, Arindam Mondal , Soumen Biswas, Provas Kumar Roy	EE	Scientica Iranica

Integration of optimal power flow with combined heat and power dispatch of renewable wind energy based power system using chaotic driving training based optimization	Chandan Paul, Tushnik Sarkar , Susanta Dutta, Provas Kumar Roy	EE	Renewable Energy Focus
Integration of optimal power flow with combined heat and power dispatch of renewable wind energy based power system using chaotic driving training based optimization	Chandan paul, Tushnik sarkar, Susanta Dutta , Provas Kumar Roy	EE	Renewable Energy Focus
Efficient 3's Complement Circuit for Ternary-ALU	ALOKE SAHA, Sudeshna Dutta, Snigdha Dutta, Osman Hossain Siddique, Rimpa Dey, Anup Kumar Das	ECE	Journal of Integrated Circuits and Systems
Multi-objective combined heat and power with wind-solar-EV of optimal power flow using hybrid evolutionary approach	Chandan Paul, Tushnik Sarkar , Susanta Dutta, Provas Kumar roy	EE	Electrical Engineering
Optimal design of forced-draft counter-flow evaporative-cooling towers through single and multi-objective optimizations using oppositional chaotic artificial hummingbird algorithm	Vidyasagar Bhattacharjee , Provas Kumar Roy, Chandan Chattoraj	ME	Thermal Science and Engineering Progress
SPARSE BASED IMAGE ENCRYPTION USING 6D-CHAOTIC SYSTEM AND RC6	HRISHIKES H MONDAL, ARGHYA PATHAK, SUBHASHIS H PAL, ANUP KUMAR DAS , SOMNATH CHOUDHURY	ECE	SCIENCE AND CULTURE

Compact Antenna for higher order harmonic reduction using efficient defected ground structure	Subhadra Deb Roy, Bappaditya Roy, Surajit Batabyal, Anup Kumar Bhattacharjee	ECE	Physica Scripta
Skin Diseases Detection Using LBP and WLD: An Ensembling Approach	ARNAB BANERJEE, SOMENATH SARKAR, MITA NASIPURI, NIBARAN DAS	AIML	SN COMPUTER SCIENCE
Compact Antenna for higher order harmonic reduction using efficient defected ground structure	Subhadra Deb Roy, Bappaditya Roy, Surajit Batabyal, Anup Kumar Bhattacharjee	ECE	Physica Scripta
Isothermal and non-isothermal growth of a vapor bubble in pool boiling – Effect of translational velocity of bubble	Swapan Paruya, Koustav Roy	ECE	International Journal of Heat and Mass Transfer
On the mechanics of thermal collapse of a vapor bubble translating in an isothermal subcooled liquid	Koustav Roy, Swapan Paruya	ECE	International Journal of Multiphase Flow
ON THE ANALYTICAL STUDY OF THE SERVICE QUALITY OF INDIAN RAILWAYS UNDER SOFT-COMPUTING PARADIGM	Saibal Majumder, Aarti Singh, Anupama Singh, Mykola Karpenko, Haresh Kumar Sharma, Somnath Mukhopadhyay	DS	TRANSPORT
A dense sub-graph-based approach for automatic detection of optic disc	Subrata Jana, Gour Sundar Mitra Thakur, Tribeni Prasad	ECE	International Journal of Bioinformatics Research and Applications

	Banerjee, Pabitra Mitra		
Efficient 3's Complement Circuit for Ternary-ALU	ALOKE SAHA, Sudeshna Dutta, Snigdha Dutta, Osman Hossain Siddique, Rimpa Dey, Anup Kumar Das	ECE	Journal of Integrated Circuits and Systems
A Two Fold Secure Cover Synthesis Based Data Hiding Approach by Generating Sequences	Anandaprova Majumder, Sumana Kundu, Karam Kumar Sahoo, Suvamoy Changder	CSE	Wireless Personal Communications
Complex Networks, Communities, and Clustering: A survey	Biswajit Saha, Amitabha Mandal, Soumendu Bikas Tripathy and Debaprasad Mukherjee	CSE	Indian Journal Of Educational Technology
Automated Bone Fracture Detection in X-ray Imaging to Improve Orthopaedic Diagnostics in Healthcare	Soumi Ghosh , Jahiruddin Mallick , Monalisa Chakraborty , Subir Gupta	CSE	Procedia Computer Science
Sparse Compression-Based Image Encryption using Data Encryption Standards RC5	Arghya Pathak, Hrishikesh Mondal, Jayashree Karmakar, Subhashish Pal, Debasish Nandi, Mrinal Kanti Mandal	BSc&Hu	IETE Technical Review

Statistical-based multi-criteria decision making approach for prediction of the grade of an institution in NAAC	Sukarna Dey Mondal, Dipendra Nath Ghosh, Pabitra Kumar Dey	BSc&Hu	International Journal of Mathematics in Operational Research
Advanced hybrid color image encryption utilizing novel chaotic neural network and 5D-hyperchaotic system	Subhashish Pal, Jaya Mukhopadhyay, Arghya Pathak, Hrishikesh Mondal, Mrinal Kanti Mandal	BSc&Hu	Evolutionary Intelligence
Analysis of Chips Geometry and Parametric Optimization using Grey Relational Analysis (GRA) in Hot Turning of AISI 202	Subhas Chandra Moi, Rajeev Ranjan	ME	EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy
Statistical-based multi-criteria decision making approach for prediction of the grade of an institution in NAAC	Sukarna Dey Mondal, Dipendra Nath Ghosh, Pabitra Kumar Dey	MCA	International Journal of Mathematics in Operational Research
Analysis of Chips Geometry and Parametric Optimization using Grey Relational Analysis (GRA) in Hot Turning of AISI 202	Subhas Chandra Moi, Rajeev Ranjan	ME	EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy
An Overview on Enhancing Materials' Tribological and Mechanical Characteristics by Using Gas Metal Arc Weld Hardfacing	Rajeev Ranjan	ME	Journal of Engineering Science and Technology Review
SPARSE BASED IMAGE ENCRYPTION USING 6D-CHAOTIC SYSTEM AND RC6	HRISHIKESH MONDAL, ARGHYA PATHAK, SUBHASHISH PAL, ANUP KUMAR DAS, SOMNATH CHOUDHURY	BSc&Hu	SCIENCE AND CULTURE

Design of fractional-order transitional filters of the Butterworth-Sync-Tuned, Butterworth-Chebyshev, and Chebyshev-Sync-Tuned types: optimization, simulation, and experimental verification	Shibendu Mahata, David Kubanek, Norbert Herencsar	EE	Computers and Electrical Engineering
Design of FUZZY-3DOF-PID controller for an Ocean Thermal hybrid Automatic Generation Control system	Susmit Chakraborty , Arindam Mondal , Soumen Biswas , Provas Kumar Roy	EE	Scientia Iranica: International Journal of Science and Technology
Application of FUZZY-3DOF-PID controller for controlling FOPTD type communication delay based renewable three-area deregulated hybrid power system	Susmit Chakraborty , Arindam Mondal , Soumen Biswas	EE	Evolutionary Intelligence
A unique database synthesis technique for coverless data hiding	Anandaprov a Majumder, Sumana Kundu, Suvamoy Changder	CSE	Journal of Visual Communication and Image Representation
Reduced order modeling of delta operator systems by optimal frequency fitting approach	Arindam Mondal , Souvik Ganguli , Prasanta Sarkar	EE	IFAC Journal of Systems and Control
A novel hybrid multi-criteria optimization of 3D printing process using grey relational analysis (GRA) coupled with principal component analysis (PCA)	Rajeev Ranjan, Abhijit Saha	ME	Engineering Research Express
A Numerical Study on Performance of NACA 2418 Airfoil	Sk Saidul Md. Zishan Ahmad, Arka Banerjee, Bishal Murmu	ME	Tuijin Jishu/Journal of Propulsion Technology

Computational Analysis of Rheological Secondary Flow in a Pipe-Manifold Containing In-Plane Double Bends	Arka Banerjee , Sayantan Sengupta, Shantanu Pramanik	ME	Journal of Applied Fluid Mechanics
Opposition-Based Artificial Hummingbird Algorithm Applied to Elementary Machine Design Problems	Bhattacharjee, V., Roy, P.K. & Chattoraj, C	ME	SN Computer Science
On intelligent Prakriti assessment in Ayurveda: a comparative study	Saibal Majumder , Rintu Kutum, Debnarayan Khatua, Arif Ahmed Sekh, Samarjit Kar, Mitali Mukerji, Bhavana Prasher	DS	Journal of Intelligent & Fuzzy Systems
Reduced order infinite impulse response system identification using manta ray foraging optimization	Shibendu Mahata , Norbert Herencsar, Baris Baykant Alagoz, Celaledin Yeroglu	EE	Alexandria Engineering Journal
ECA-MURE Algorithm and CRB Analysis for High-Precision DOA Estimation in Coprime Sensor Arrays	Veerendra D,B. N. Umesh,Anand Khandare,Divya Rohatgi, Kam alika Tiwari ,Subhasis Datta,Megharani Patil	EE	IEEE Sensors Letters
ECA-MURE Algorithm and CRB Analysis for High-Precision DOA Estimation in Coprime Sensor Arrays	Veerendra D,B. N. Umesh,Anand Khandare,Divya Rohatgi,Kam alika Tiwari, Subhasis	FMS	IEEE Sensors Letters

	Datta, Megha rani Patil		
An improved location mapping and cover synthesis based data hiding by model SSSP problem generation	Suvamoy Changder, Anandaprova Majumder, Sumana Kundu	CSE	Multimedia Tools and Applications
A Two Fold Secure Cover Synthesis Based Data Hiding Approach by Generating Sequences	Anandaprov a Majumder, Sumana Kundu, Karam Kumar Sahoo, Suvamoy Changder	CSE	Wireless Personal Communications
A unique database synthesis technique for coverless data hiding	Anandaprova Majumder, Sumana Kundu, Suvamoy Changder	CSE	Journal of Visual Communication and Image Representation
An improved location mapping and cover synthesis based data hiding by model SSSP problem generation	Suvamoy Changder, Anandaprov a Majumder, Sumana Kundu	CSE	MULTIMEDIA TOOLS AND APPLICATIONS
Calculation of Available Transfer Capability using Hybrid Chaotic Selfish Herd Optimizer and 24 Hours RES-thermal Scheduling	Kingsuk Majumdar, Provas Kumar Roy, Subrata Banerjee	EE	Chinese Journal of Electrical Engineering (CJEE)
LM-DNN: pre-trained DNN with LSTM and cross Fold validation for detecting viral pneumonia from chest CT	Sanjib Saha, Debashis Nandi	CSE	Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization (Taylor & Francis, UK)

A UNIFIED APPROACH FOR DIGITAL REALIZATION OF FRACTIONAL ORDER OPERATOR IN DELTA DOMAIN	Arindam Mondal , Sujay Kumar Dolai , Prasanta Sarkar	EE	FACTA UNIVERSITATIS Series: Electronics and Energetics
Speed-Power Efficient Novel CMOS Unary-to-Ternary Encoder	Aloke Saha , Prerona Sanyal, Deep Narayan Singh, Aastha Bharti, Dipankar Pal	ECE	IETE JOURNAL OF RESEARCH
Synthesis of Concentric Circular Antenna Array Using Whale Optimization Algorithm	Krishanu Kundu, Rajesh Bera, Narendra Nath Pathak	ECE	IETE Journal of Research
Complex Networks, Communities, and Clustering: A survey	Biswajit Saha, Amitabha Mandal , Soumendu Bikas Tripathy, Debaprasad Mukherjee	CSE	Indian Journal of Educational Technology
Transient Behaviour and Impact Induced First-Ply Failure of Delaminated Composite Conical Shells	Suman Karmakar , Tanmoy Bandyopadhyay, Amit Karmakar	ME	Journal of Vibration Engineering & Technologies
Optimal design of forced-draft counter-flow evaporative-cooling towers through single and multi-objective optimizations using oppositional chaotic artificial hummingbird algorithm	Vidyasagar Bhattacharjee , Provas Kumar Roy, Chandan Chatteraj	ME	Thermal Science and Engineering Progress
A Heuristic Approach to Solve Author Name Ambiguity Using Minimum Bibliographic Evidences	Sovan Bhattacharya, Prasenjit Choudhury, Subrata Nandi, Dinesh K. Pradhan	IT	SN Computer Science Journal

Design and Analysis of a Low-profile Microstrip Antenna for 5G Applications using AI-based PSO Approach	Krishanu Kundu, Ankan Bhattacharya, Firdous H. Mohammed, Narendra Nath Pathak	ECE	Journal of Telecommunications and Information Technology
Complex Networks, Communities, and Clustering: A survey	Biswajit Saha, Amitabha Mandal, Soumendu Bikas Tripathy & Debaprasad Mukherjee	IT	Indian Journal Of Educational Technology
Acoustic Emission-based Damage Detection in Steel Framed Structure- A Review	Anupam Kumar Biswas , Aloke Kumar Datta , Pijush Topdar , Sanjay Sengupta	CIVIL ENGINEERING	International Journal for Computational Civil and Structural Engineering
Acoustic Emission-based Damage Detection in Steel Framed Structure- A Review	Anupam Kumar Biswas, Aloke Kumar Datta , Pijush Topdar , Sanjay Sengupta	CIVIL ENGINEERING	International Journal for Computational Civil and Structural Engineering

5. STUDENTS' PLACEMENT DETAILS

In today's competitive world, campus placements play a pivotal role for both students and educational institutions. For students, placements provide a strong launchpad to their professional careers, sparing them from the struggles of job hunting, peer pressure, or family expectations. Securing employment directly after completing their academic programs gives students a significant advantage, enabling them to transition seamlessly into the workforce. Moreover, campus placement drives facilitate valuable interactions with industry professionals, helping students build connections and gain insights into their chosen fields, laying the groundwork for future career opportunities.

For institutions, a strong placement record enhances their reputation and competitiveness in the education sector. Students now prioritize placement success when selecting colleges or universities, as they rightly seek a measurable return on investment (ROI) for the significant financial commitments made toward their education. A lucrative job offer is often seen as the ultimate reward for their academic efforts and financial sacrifices.

Placements have become an integral component of an institute's value proposition, a shift from earlier times when such opportunities were not as prevalent. Today's students and parents view placement success as a key indicator of an institution's quality, relevance, and ability to prepare graduates for real-world challenges. Thus, campus placements not only boost employability but also position institutes as frontrunners in shaping successful careers, solidifying their standing in the ever-evolving education market.

5.1 Training Programs

The evolving trends in education demand that students be prepared for jobs that do not yet exist, highlighting the need to bridge the gap between industry requirements and the current skill sets of graduates. Today, campus recruitment processes are undergoing a major transformation, driven by technological advancements. Companies now leverage innovative and cost-effective digital platforms to streamline recruitment drives, identify top talent, and meet hiring goals efficiently.

Skill training has emerged as a crucial factor in enhancing an institute's placement success. Employers increasingly prioritize candidates with practical exposure, problem-solving abilities, and the capacity to handle real-world challenges over mere academic excellence. At BCREC, structured training programs are introduced from the pre-final year to equip students with the essential skills and industry knowledge needed to excel in their careers. Platforms like Co-Cubes, Placement Season, and Reference Globe play a significant role as leading assessment and hiring solutions, connecting students with prominent companies across diverse sectors, including programming and mechanical fields. These platforms not only provide better career opportunities but also enable students to secure competitive packages.

By focusing on comprehensive skill development, practical exposure, and early preparation, institutes like BCREC ensure that students remain industry-ready and capable of adapting to future challenges. Such initiatives reinforce the value of campus placements, providing students with a strong foundation for professional success while meeting the ever-evolving demands of the job market.

5.2 Students' Placement in Different Organizations

Placement is the heart of any professional Institute and BCREC is no exception for the same. A new TPO Campus Cell was formed in July 2018 to provide more thrust to placement activities apart from the Kolkata T&P Cell. The TPO Cell continuously counsels the students concerning their career aspirations and options by providing advice on placement procedures, assistance for the preparation of applications and resumes, and mock practices for interviews which not only helps the students in getting their 'dream' jobs but also assists the visiting placement companies in identifying the 'right' candidate for their organization. The TPO Cell aims to ensure that students have the information and skills necessary for an effective job search and the students must secure job offers before they complete their program of studies and leave their Alma Mater. **Test Based Training (TBT)** and **Block Training Program** for different semester students from third year onwards is the key of our success. The TPO team comprises eminent Professors from different departments to ensure the success of every student. The T&P Cell also ensures and takes care to provide the best arrangements and hospitality for the visiting companies' Officials.

Pre-placement Training for students to improve final placement -

- **Mock Aptitude Test**
- **Mock GD-PI Sessions**

The placement scenario for the year 2018 was discussed. To gear up the placement process in 2019, a special Training & Placement team was set up along with a dedicated infrastructure comprising a total capacity of around 200 computers for the training process at the AJC Bose Bhawan. The main emphasis was given on the Mock Aptitude Test, Mock GD, and PI sessions which will be conducted for students by faculty and alumni members to prepare them for their final placement process. Test Based Training (TBT) and Block Training Programs were also suggested for the third-year semester students about different branches.

Over the last few years, most of the students of BCREC have got their desired job. Following is the list of companies and the students, who got placed through campus drive in the year 2023-24;

Table 5.1- List of the Students Who Got Placed in Different Companies

Name of student placed and contact details	Program graduated from	Pay package at appointment
Abhik Mondal, mandalabhik75@gmail.com	CSE	3.36 LPA
Abhitesh Kumar, 9475439189ab@gmail.com	CSE	4.60 LPA
Aditi Bagaddeo, aditibagaddeo@gmail.com	CSE	6.50 LPA
Aditi Kumari, aditi841kumari@gmail.com	CSE	5.0 - 6.0 LPA
Aisha Agarwal, aisha02agarwal@gmail.com	CSE	6.00 LPA

Ananya Sen, ananya2111sen@gmail.com	CSE	4.25 LPA
ANIMIKH GHOSH, animikhghoshsepco@gmail.com	CSE	3.36 LPA
Anindita Das, anindita.june.20@gmail.com	CSE	6.50 LPA
Anindita Laha, 70704593a@gmail.com	CSE	4.35 LPA
Ankit Chatterjee, ankitchatterjee30@gmail.com	CSE	6.60 LPA
Ankit Raj, ankitrajabc786@gmail.com	CSE	3.36 LPA
Ankita Chowdhury, deb2013dgp@gmail.com	CSE	7.00 LPA
Anuragh Barua, anuraghbarua@gmail.com	CSE	6.0 - 15.0 LPA
Arnab Mukherjee, arnabmukherjee360@gmail.com	CSE	3.60 LPA
Arnab Mukherjee, arnabmukherjee360@gmail.com	CSE	3.36 LPA
ARPITA BANDYOPADHYAY, arpitabanerjee.3008@gmail.com	CSE	3.36 LPA
Ashish Kumar Saha, sahaashish807@gmail.com	CSE	6.00 LPA
Atanu Bishnu, atanumia12@gmail.com	CSE	4.60 LPA
Avishek Kumar Bose, avishekbose1001@gmail.com	CSE	6.00 LPA
Avnish Kumar Thakur, avnishtha02@gmail.com	CSE	1.50 LPA
Ayush Prasad, ayushprasad0683@gmail.com	CSE	3.36 LPA
Debahuti Chakraborty, bibekanandachakrabarti@gmail.com	CSE	6.50 LPA
Debtirtha Roy, royarka73@gmail.com	CSE	6.50 LPA
Dibyam Dey, dibyam8247@gmail.com	CSE	3.36 LPA
Disha Ray, raydisha2017@gmail.com	CSE	4.60 LPA
Gouranga Kamilya, gouravkamilya1@gmail.com	CSE	7.00 LPA
Jit Mondal, jit.09mondal2001@gmail.com	CSE	3.99 LPA
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Monalisha Ghosh, monalisha.monu02@gmail.com	CSE	6.50 LPA

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6. EVENTS IN BCREC

The tradition of celebrating cultural and social events are widespread in colleges across the stretch of the country. These events play a predominant role in a student's life and in the recent years, have managed to sketch a significant place for themselves in the academic calendar. There is a growing consensus that these events are not just about fun but that it also augments a student's learning experience. Organizing and participating the events or activities is not a child's play; it needs exhausting efforts and stern dedication. Events and programs facilitate students to work for a fixed goal in unison and this eventually develops a sense of responsibility in them. It elevates confidence and also teaches them how to work in a team and in various challenging situations.

In the events and programs here at BCREC, students get chance to explore the campus and city more after the event, eventually getting exposed to different culture. This helps them understand different cultures and explore their sensitivities and finer distinctions. Most of the teachers select the students whose potential don't just revolve around bookish knowledge. Continuous involvement in more than one activity reflects skills and abilities of the student. Students learn to prioritize and time management too. These academically and co-circularly talented students have an outstanding personality, which helps them to forge ahead in their career.

6.1 Orientation Program

BCREC Organized the Orientation Program and Induction Program in the offline mode.

6.2 Important Events

Celebration of 76th Independence Day

BCREC fraternity proudly celebrated the **77th Independence Day** of our beloved country on August 15, 2023 along with the countrymen in the country and rest of the world, cherished the idea of oneness and remembered the sacrifices that freedom fighters made during their struggle against the mighty British empire.



Fig. 6.1- Some Glimpses of the Independence Day Program 2023

Viswakarma Puja & Saraswati Puja

Vishwakarma Day (18th September), also known as Vishwakarma Puja, is a day of celebration for Vishwakarma, the divine architect. As a mark of reverence, the day of worship was celebrated by all engineering depts. and other staff members of BCREC. In the same way, Saraswati Puja was also celebrated during the winter season.

Celebration of National Youth Day

To commemorate the birthday of Swami Vivekananda, maker of Modern India, Dr. B. C. Roy Engineering College celebrated the **National Youth Day** with great joy, enthusiasm on 12th January, 2024. The theme for the year is “**Channelizing Youth Power for Nation Building**”. On this day, the Principal, of BCREC explained the thoughts of Swami Vivekananda and urged all the students of BCREC to get every idea and plans to focus on the actions necessary to do all the tasks with proper knowledge of the things.

Annual Sports 2024

Annual Sports was organized on 9th February, 2023 with great enthusiasm. NCC cadets and other athletes taking part in different events, staged a march past with departmental flags where

the Director, BCREC along with other dignitaries took the salute. There were 15 events for students and 10 for staff members. The event ended with the distribution of prizes where the first three winners of each event received medals and certificates from the Director and other dignitaries.

Commemoration Day of Former President of BCREC: Late Dulal Mitra

Dr. B. C. Roy Engineering College along with its sister Institutes observed on 12th February 2024 in commemoration of Former President **Late Dulal Mitra** at DM Auditorium. Shri Ratan Roy Chowdhury, President, Shri Tarun Bhattacharya, General Secretary, and other representatives of the BCREC Society along with Prof. (Dr.) Sanjay S Pawar, Principal, BCREC expressed their deepest respect to Late Dulal Mitra with garlands and reminisced about his dedication and determination to establish these Institutes. Renowned singer, Mrs. Subhamita Banerjee presented melodious songs in her melodious voice. Faculty and staff members of BCREC orchestrated a well-integrated performance to pay respectful homage to the Former president of Dr. B. C. Roy Engineering College.

Horizon 2K24

In an ardent effort to inculcate an atmosphere of intellect, skill, and technical powers among budding engineers, BCREC organized the Annual Technical Festival every year within the College Campus. The Horizon of Knowledge is oblivious of time and space encircling all walks of life within and beyond human intellect. More than 1500 student participants registered for 28 events in HORIZON-2K23 even from other technical Colleges including NIT's. The purview of events spanned from technical like Robotics, Coding Challenges, Manufacturing, and Construction Challenges; Technical Paper presentations to non-technical skill-building events like Debate, Extempore, Rotolaire, and Business Model competitions.

Cultural Fest

The Annual Fest comprises of a blend of cultural, technical and sports events. The Cultural Fest was also organized by BCREC where the students get an opportunity to exhibit their skills regarding extra-curricular activities. Many students enthusiastically participated in several cultural events. The purpose behind organizing this Cultural Fest is to give a platform to the students to showcase their talents in other fields apart from academics.

Celebration of Rabindra Jayanti

Rabindra Jayanti is an annually celebrated cultural festival in remembrance of Kabiguru Rabindranath Tagore's birthday anniversary on the 25th day of the Bengali month of Boishakh. Members of the BCREC family celebrated the day – 9th May 2024 as a tribute to Tagore and his works. In addition to the soulful rendition of music as per the theme, speeches were delivered by Sri Amitava Chakraborty, Chief Corporate Affairs, BCREC, and others. The event graced by the presence of many faculty and staff members of the BCREC community, was concluded with the respectful laying of wreaths and flowers at the feet of the bard's statue.

6.3 Other Important Activities

MOOCs and MAR Activities

The introduction of MOOCs (Massive Open Online Courses) and MAR as a part of mandatory curriculum activities creates opportunities for the students to enrich their knowledge base in a diversified teaching and learning environment. With this new paradigm, anyone can study without charge from anywhere and anytime. Another benefit of MOOCs is that most of the Professors come from elite campuses like IISc and IITs. As a consequence, their knowledge and experience are being shared among our students.

The MOOCs comprise of two parts: one theoretical and other practical subjects. The majority of the theoretical subjects are covered by SWAYAM-NPTEL (National Programme on Technology Enhanced Learning) where the coordinating Institute is IIT-Madras. Practical and Lab are covered by Spoken Tutorial Project – A unique initiative by IIT Bombay.

Centre of Excellence for Academic Education – Acting as a Nodal Centre for both MAKAUT and IIT-Bombay Spoken Tutorial

Dr. B. C. Roy Engineering College, Durgapur is participating as a Nodal Centre for MAKAUT Zone 2 Colleges in the Eastern Region since 2016 as well as a Nodal Centre for IIT-Bombay Spoken Tutorial since 2015. It is our achievement that both the programs run successfully since 2016 and Dr. B. C. Roy Engineering College, Durgapur is a Nodal Centre for IIT-Bombay and an Active Local Chapter of SWAYAM-NPTEL for IIT-Kharagpur.

The Spoken Tutorial Project is run by IIT-Bombay where Dr. B. C. Roy Engineering College also operates as an Eastern Region-Nodal Centre to guide the cluster colleges and the various institutes to be assigned under BCREC by MAKAUT.

In the Spoken Tutorial course, around 600 students applied in the academic year across all the departments across different courses. Around 250 students were certified at the end of the course. Here is the list of different courses and the number of students who participated there;

Table 6.1- Number of Successful Participants in the Spoken Tutorial Courses during the 2023-24 Academic Year

Name of Add on programs offered	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Spoken Tutorial (IIT Bombay) C	5 Weeks	61	38
Spoken Tutorial (IIT Bombay) Cpp	5 Weeks	61	40
Spoken Tutorial (IIT Bombay) Software Course - HTML	5 Weeks	65	44
Spoken Tutorial (IIT Bombay) Software Course - Python 3.4.3	5 Weeks	65	42
Spoken Tutorial (IIT Bombay) PHP and My SQL	5 Weeks	69	69
Spoken Tutorial (IIT Bombay) Latex	5 Weeks	191	191
Spoken Tutorial (IIT Bombay) Linux	5 Weeks	60	60

Spoken tutorial (IIT Bombay) Web development HTML	5 Weeks	131	131
Spoken Tutorial (IIT Bombay) Software Course - QCAD	5 Weeks	47	14
Spoken Tutorial (IIT Bombay) Software Course - Python 3.4.4	5 Weeks	107	38
Spoken Tutorial (IIT Bombay) Software Course - QGIS	5 Weeks	123	50
Spoken Tutorial (IIT Bombay) Software Course - Python 3.4.3	5 Weeks	83	28
Spoken Tutorial (IIT Bombay) -eSim	5 Weeks	80	3
Spoken, Tutorial (IIT Bombay) Android App Using Kotlin	5 Weeks	8	4
Spoken Tutorial (IIT Bombay) Java	5 Weeks	33	21
Spoken Tutorial (IIT Bombay) RDBMS- PostgreSQL	5 Weeks	33	25
Spoken Tutorial (IIT Bombay) C	5 Weeks	33	20
Spoken Tutorial (IIT Bombay) Cpp	5 Weeks	33	21
Spoken Tutorial (IIT Bombay) PHP and MySQL	5 Weeks	33	20
Spoken Tutorial (IIT Bombay) Latex	5 Weeks	35	12
Spoken Tutorial (IIT Bombay) Software Course - Python 3.4.3	5 Weeks	31	8
Spoken Tutorial (IIT Bombay) Arduino	5 Weeks	71	71
Spoken Tutorial (IIT Bombay) R	5 Weeks	71	71
Spoken Tutorial (IIT Bombay) Java	5 Weeks	119	119
Spoken Tutorial (IIT Bombay) Python-3.4.3	5 Weeks	119	119
Spoken Tutorial (IIT Bombay) eSim	5 Weeks	126	126
Spoken Tutorial (IIT Bombay) Linux	5 Weeks	126	126
Spoken Tutorial (IIT Bombay) PHP-and-MySQL	5 Weeks	126	126
Spoken Tutorial (IIT Bombay) RDBMS	5 Weeks	134	134

Career Guidance of Students

The IQAC members highlighted the strategies implemented by the Institute to guide the students for their future career. The Institute had developed a structured mechanism for assessing the learning levels of the students and incessantly monitors the same for improving their academic as well as overall performance. The performance of the students in the first class assessment (CA1) enables the faculty members to identify the Advanced Learners and the Slow Learners.

For the other semesters, the advanced learners and the slow learners are identified based on their previous overall performance, orientation towards academics, feedback from the subject teachers & observations by the mentors in consultation with the HOD. Programs for the slow learners include remedial classes, extra laboratory classes, Book Bank facility, seminars, quizzes, customized assignments, intensive communication skills and personality development programs etc. Programs for the advanced learners mainly comprised of

encouraging them to attend workshops, symposia, seminars to enhance their knowledge base, participation in technical competitions and competitive exams like GATE, undertake innovative projects and research work, enrolment in various MOOCs and SWAYAM courses etc.

Procedures to enhance the Teaching-Learning process

- **Individual learning**
- **Experiential learning**
- **Participative /collaborative learning**

To facilitate effective learning and to enhance the learning experience among both advanced learners and slow learners, the Institute follows student-centric methods such that students have choices/options in their learning and they also play an active role in the learning process. Numerous Student-centric methods are followed to enhance the Teaching-Learning process including class presentations by students, Class Assignments, Lab Experiments, Technical Videos/Case Studies, NPTEL and SWAYAM videos, EDUSAT, IIT-Bombay Spoken Tutorial Projects, etc.

- **Individual learning** – To enhance individual learning, students are strongly encouraged to enroll themselves in online certification courses like NPTEL, SWAYAM, etc., to solve Assignments/Quizzes and to learn through Interactive Language Lab class.
- **Experiential learning** – It includes Lab Experiments where the students can perform hands-on experiments in self-learning mode, Internships/Vocational Training, Live Projects, Technical Fest & Workshops on Robotics, Simulation etc., and visit to nearby Industries and Research Labs.
- **Participative /collaborative learning** – It includes Presentations, Group Projects, Debates, Group Discussions, Management Games, industry-sponsored Projects, Research Projects, participation in intra-college, state-level and national-level project competitions, design contests and technical festivals.

6.4 Tie-Ups and MOU Sign

MOU with NHAI

The institute already have an active MoU with NHAI. 20 Students from the Department of Civil Engineering participated in the paid internship for one month.

7. QUALITY ASSURANCE INITIATIVE

Quality management activities encompass a range of processes and practices designed to ensure that an institution delivers on its stated goals and objectives while meeting established standards and specifications. These activities are crucial in maintaining consistency, improving processes, and ensuring that the output aligns with the intended outcomes. In the context of educational institutions, quality management ensures that teaching methodologies, research activities, infrastructure, and administrative systems work seamlessly to provide an optimal learning environment.

Quality Assurance (QA) plays a central role in quality management. It comprises systematic activities aimed at ensuring that development and maintenance processes are robust, efficient, and capable of meeting defined objectives. Rather than focusing solely on the result, QA emphasizes the processes and frameworks that lead to achieving consistent, high-quality outcomes. This proactive approach identifies potential issues early, enabling corrective actions before problems escalate. In an academic setting, QA may involve curriculum design, accreditation processes, faculty development, student assessment methodologies, and periodic evaluations to align programs with industry standards.

Moreover, QA fosters continuous improvement by promoting accountability, transparency, and excellence. It builds trust among stakeholders, including students, faculty, and industry partners, by demonstrating that the institution is committed to achieving and maintaining high standards. Robust quality assurance systems also ensure compliance with regulatory frameworks, enhancing the institution's reputation.

In essence, quality management and assurance provide the foundation for operational efficiency and excellence, ensuring that all institutional processes align with long-term goals while meeting evolving academic and industry demands. BCREC over the years has done an exceptional job in the field of education. However, in today's world, one can't simply count on the number of job opportunities given to the students as the only quality parameter. To meet the needs, BCREC has done the following:

Introduction of IQAC cell

To enhance the quality of higher education, an IQAC cell has been formed. With the leadership of Prof. (Dr.) Pijush Pal Roy as the Chairman, of the institute is looking forward to shining bright continuously in the field of education. After the accreditation of the NBA for five programs, it is required to continue the same process for the other programs. Senior academicians and faculty members are engaged to execute the plan.

The learning-centric environment

- Continuous Evaluation Process
- Personal Care through Mentorship Programme
- More emphasis on Contact learning (Tutorials-Projects, etc.) compared to one way-teaching

Energy Audit

BCREC considers the ecology and environment as the most important parameters for mankind. Hence, BCREC has started strong eco-friendly programs that are commercially appreciated and sustainable in the long term. Through these programs, the students, faculty members, and staff members are aware and learn about safeguarding our natural environment. BCREC has the responsibility of conducting Energy-Audit every year and taking effective measures to protect and preserve the green atmosphere on the campus. The following steps are taken to make the campus eco-friendly;

1. Improve the campus greenery by planting more saplings
2. Making the campus a plastic-free zone
3. Taking the initiative to keep the campus clean
4. Giving the botanical name of each plant/tree
5. Planting flower trees
6. Energy Conservation: The classrooms are well-ventilated. There is a free flow of natural sunlight and air which reduces power consumption. Most of the rooms are illuminated with CFL bulbs.
7. Use of renewable energy is about to be made
8. Rainwater harvesting: This important measure to be adopted by the institute. In rainwater harvesting the main object is to store the rainwater and use them. The storage water is used in the garden and for other purposes. Also, the excess water flowing in the drainage system is avoided.

Tree Plantation

Every year on the “World Environment Day” i.e on the 5th June, Green day is observed and students are motivated to plant saplings in the college.

Participation in NIRF

A team has been formed by the institute to look after the work related to NIRF ranking.

NBA Accreditation

It is a matter of pride for BCREC that three departments namely Mechanical Engineering, InformationTechnology, and Electrical Engineering departments got the NBA accreditation for the next three academic years. CSE and ECE have got re-accreditation.

APPENDIX



APPROVAL PROCESS 2024-25

Extension of Approval (EoA)

F.No. Eastern/1-43660195230/2024/EOA

Date of Approval: 18-May-2024

To,

The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of Approval for the Academic Year 2024-25

Ref: Online application of the Institution submitted for Extension of Approval for the Academic Year 2024-25

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Education), Powers delegated in AICTE ACT 1987, (No 52 of 1987) chapter II - u/s 2(g) to regulate Technical and subsequent Regulations of AICTE, I am directed to convey the approval to:

Permanent Id	1-3634031	Application Id	1-43660195230
Name of the Institution	DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR	Name of the Society/Trust	DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR
Institution Address	JEMUA ROAD, FULJHORE, DURGAPUR, 713206, DURGAPUR, BARDHAMAN, West Bengal, 713206	Society/Trust Address	JEMUA ROAD, FULJHORE, DURGAPUR - 713206, DURGAPUR, BARDHAMAN, West Bengal, 713206
Institution Type	Private-Self Financing	Region	Eastern
Year of Establishment	2000		

To conduct following Programs/Courses with the Intake indicated below for the Academic Year 2024-25

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2023-24	Intake Approved for 2024-25	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND DESIGN	Maulana Abul Kalam Azad University of Technology, West Bengal	60	60	No	No

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2023-24	Intake Approved for 2024-25	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	120	180	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)	Maulana Abul Kalam Azad University of Technology, West Bengal	30	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)	Maulana Abul Kalam Azad University of Technology, West Bengal	0	60##	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)	Maulana Abul Kalam Azad University of Technology, West Bengal	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRICAL ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	120	120	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND COMMUNICATIONS ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	120	120	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	INFORMATION TECHNOLOGY	Maulana Abul Kalam Azad University of Technology, West Bengal	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	60	60	No	No
POST GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	18	18	No	No
POST GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND COMMUNICATION ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	18	18	No	No

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2023-24	Intake Approved for 2024-25	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
POST GRADUATE	ENGINEERING AND TECHNOLOGY	POWER SYSTEMS	Maulana Abul Kalam Azad University of Technology, West Bengal	18	18	No	No
POST GRADUATE	MANAGEMENT	MASTERS OF BUSINESS ADMINISTRATION	Maulana Abul Kalam Azad University of Technology, West Bengal	60	60	No	No
POST GRADUATE	COMPUTER APPLICATIONS	MASTERS OF COMPUTER APPLICATIONS	Maulana Abul Kalam Azad University of Technology, West Bengal	60	120	No	No
POST GRADUATE	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	18	18	No	No

Approved New Course(s)

To conduct following Programs/Courses for Working Professional for the Academic Year 2024-25

Level	Program	Course	Working Professional Approved Intake 2024-25
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	60
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRICAL ENGINEERING	60
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	MECHANICAL ENGINEERING	60

All AICTE approved Institutions are empowered to nurture ecosystems for Skilling (through Vocational courses) via making effective use of existing infrastructure facilities and human resources.

It is mandatory to comply with all the essential requirements as given in APH 2024-25 to 2027 (Chapter-VI)

Important Instructions

1. As per mandatory Disclosure of APH 2024-27(Annexure-18, page180) Institutions must disclose the following information submitted to Council at the Prominent location on its website.
 - i. Department wise availability of Infrastructure along with approved courses and intake approved by the Council.
 - ii. Faculty details: Department wise: Name& Designation of the faculty members/teaching staff along with their qualification, tenure of service in your organization, total experience, Institution should also disclose Student Faculty Ratio, Cadre Ratio.
 - iii. Additionally Audited Financial Statements for last 3 Financial years.
2. Reservation Policy of the Central Government (Including EWS) / Respective State Government/ UT as the case shall be applicable to all the Programmes. The concerned State Government/ UT Admission authority shall decide Modalities of Admission.
3. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2024-25 to 2027 for the Total Approved Intake.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the **Executive Council / General Council as available on the record of AICTE shall be final and binding.**
5. All AICTE institutions are highly encouraged to get NBA/NAAC accreditation. All eligible AICTE institutions are thoroughly encouraged to participate in NIRF ranking process.
6. Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), it is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.
7. AICTE Approved Institutes are encouraged to utilize SWAYAM PLUS Courses up-to 40%
8. Internship is mandatory for all admitted students.
9. AICTE Approved Institutes are encouraged to make efficient use of the flagship schemes like:
 - a. Parakh: Student Gap analysis portal bases services.
 - b. Students Scholarship schemes like Pragati, Saksham, Swanath, ADF, etc.
 - c. Course in Indian Languages.
 - d. ATAL FDPs: Faculty training for Emerging areas and cutting edge Technologies.
 - e. Augmenting Utilization of Research Assets (AURA).
 - f. Smart India Hackathon: World's largest Open Innovation Platform.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. **The Director Of Technical Education**, West Bengal**
2. **The Registrar**,
Maulana Abul Kalam Azad University Of Technology, West Bengal**
3. **The Principal / Director,
DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR
Jemua Road, Fuljhore,Durgapur, 713206,**

Durgapur, Bardhaman,
West Bengal, 713206

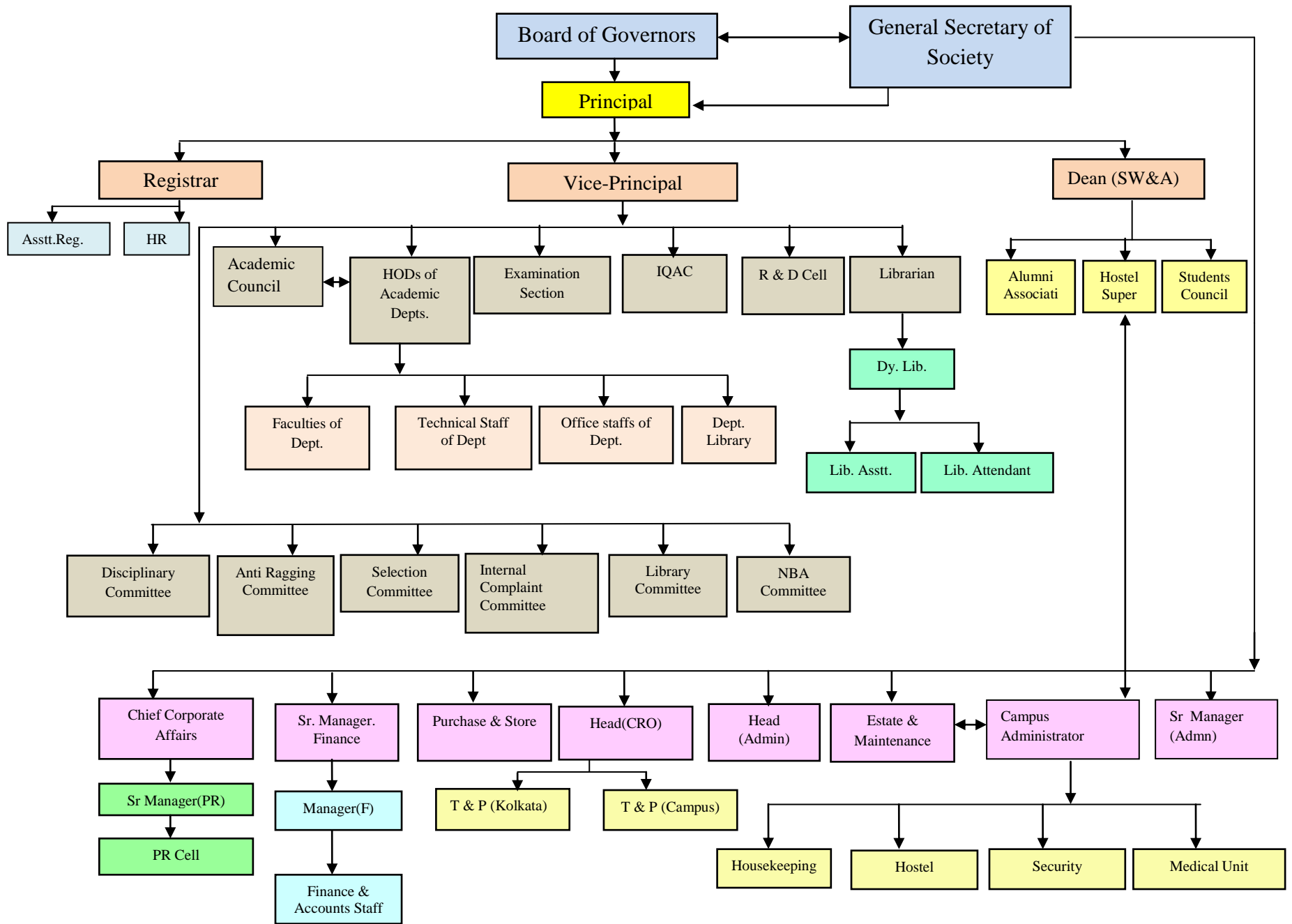
4. **The Secretary / Chairman,**
JEMUA ROAD, FULJHORE,
DURGAPUR - 713206
DURGAPUR, BARDHAMAN
West Bengal, 713206

5. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/>

** Individual Approval letter copy will not be communicated through Post/Email. However, a consolidated list of Approved Institutions(bulk) may be downloaded from the respective login id's.

This is a computer generated Statement. No signature Required



1	Prof Dr. Binay K Dutta	Chairman
2	Prof Saikat Maitra	Advisor
3	Prof Dr. Arup Mukherjee	Ex - Officio Member representing MAKAUT
4	Dr. Aloknath De	Director and Chief Technology Officer, Samsung R & D Institute - Representing Industry
5	Prof Dr Swapan Kr Mondal	Ex Officio Member representing Higher Education Deptt, Govt of WB
6	Dr. Arup Sinha	Representing Industry
7	Mr. B. P. Singh	Director In- Charge SAIL - DSP and ISP
8	Prof Dr. Swapan Bhattacharya	Educationist
9	Dr. Dipankar Chakrabarti	Executive VP, PWC - representing Industry
10	Prof Dr. Keshub Bhattacharya	EE Deptt., Jadavpur University – Educationist
11	Prof Naresh Ch Murmu	Director CMERI, Durgapur - Ex Officio Member
12	Prof Dr. Arvind Choubey	Director, NIT Durgapur - Ex Officio Member
13	Director Technical Education or his nominee	Ex Officio Member
14	Dr Satyajit Bose	President BCREC Society
15	Sri T. Bhattacharya	GS, BCREC Society
16	Sri J. Singh	Treasurer - Representing BCREC Society
17	Smt Mita Mitra	Representing BCREC Society
18	Sri Ratan Roy Chowdhury	Representing BCREC Society
19	Prof Dr. Sanjay S Pawar	Principal, BCREC & Member Secretary
20	Prof Dr. K. M. Hossain	Representing Faculty BCREC
21	Prof Dr. Narendra Nath Pathak	Faculty BCREC representative

MEMBERS OF GOVERNING BODY

Sr. No.	Proposed Names	Present Affiliations
1	Dr. Satyajit Bose	Chairperson, Dr. B.C. Roy Society
2	Shri Tarun Bhattacharya	General Secretary, Dr. B. C. Roy Society
3	Shri Jernail Singh	Treasurer, Dr. B.C. Roy Society
4	Prof. Saikat Maitra	Chief Advisor, Dr. B.C. Roy Society
5	Mrs. Mita Mitra	Vice-President, Dr. B.C. Roy Society
6	Prof. Sanjay Sengupta	HOD, CE
7	Prof. Susanta Dutta	HOD, EE
8	Mr B. P Singh	Director In-charge, DSP/ISP SAIL - Educationalist /Industrialist
9	Prof. N.K. Chakrabarti	VC-National University of Judicial Sciences, Kolkata -UGC Nominee
10	State Government Nominee	Director of Technical Education or her nominee
11	University Nominee	Prof. Bijan Sarkar, Director, School of Management, Jadavpur University
12	Prof. (Dr) Sanjay S Pawar	Principal, BCREC.
13	Prof. (Dr.) Swapan Kr. Mondal	Professor, Kalyani Govt. Engg. College Representing Higher Education Dept., Govt. of W.B
14	Prof. (Dr.) Keshab Bhattacharya	Educationalist
15	Prof. (Dr.) Arvind Choubey	Director, NIT Durgapur, Educationalist

FROM : DR. B. C. ROY ENGG COLLEGE,

FAX NO. : 091 33 3218703

Apr. 24 2007 01:25PM P1

বেঙ্গল সোসাইটি রেজিস্ট্রেশন আইন ১৯৬১
নং (৩৯) বিধান সভার
আইন সংখ্যা ১৯৬১

West Bengal Form No. 264.



Registration granted in
anticipation of the
information stated
in the documents being
correct and true.

Certificate of Registration of Societies

WEST BENGAL ACT XXVI of 1961

No. 511/LI 11175 of 20 07-20 08

I hereby certify that Dr. B. C. Roy Engineering
College, Akhni, Amanikata

has this day been registered under the West Bengal Societies
Registration Act, 1961.

Given under my hand at Amanikata
this seventeenth day of April
Two thousand and Seven



[Signature]
Registrar of Firms, Societies &
Non-Trading Corporations,
West Bengal.



Certificate of Registration of Societies
WEST BENGAL ACT XXVI of 1961
No. S0036393 of 2023-2024

I here by certify that DURGAPUR DR. B.C. ROY ENGINEERING COLLEGE PRAKTANI ALUMNI ASSOCIATION has this day been registered under the West Bengal Societies Registration Act, 1961.

Given under my hand at Paschim Bardhaman this 13th day of June Two Thousand and Twenty Three.

Signature valid

Digitally Signed
Name: DIPANKU DAS
Date: 13-Jun-2023 12:00:43
Reason: Expired
Location: West Bengal



Joint Registrar of Firms, Societies &
Non-Trading Corporations
Paschim Bardhaman, West Bengal

Alumni Engagement 2023-24

Year	Organizing Department	Name of the program	Name of the Alumni as Invitee with Designation/Company name etc.	Date
2023-24	Civil Engineering	Alumni Connect Programme on 'Career Opportunities of Civil Engineering in Steel & Highway Construction Industry'	Subham Chakraborty, Engineer at SHAPOORJI PALLONJI, Working on Project of 0.35 MTPA Coke Oven Project + 30 MW power plant (CE, 2020 passout).	26 th July 2023
2023-24	Civil Engineering	Alumni Connect Programme on 'Career Opportunities of Civil Engineering in Steel & Highway Construction Industry'	Somnath Rakshit, Assistant Engineer at SHYAM STEEL, Working on Project of 7700 sqft G+3 Residential Building and 220KV GIS indoor Substation Structure (CE, 2020 passout).	26 th July 2023
2023-24	Civil Engineering	Alumni Connect Programme on 'Career Opportunities of Civil Engineering in Steel & Highway Construction Industry'	Shuvrapratim Bera, Structural Engineer at ASHOKA BUILCON LTD. Working on Project of Six Lanning National corridor (Panagrah to Palsit), (CE, 2020 passout).	26 th July 2023

Alumni Engagement 2023-24

Year	Organizing Department	Name of the program	Name of the Alumni as Invitee with Designation/Company name etc.	Date
2023-24	Training and placement (Campus)a	TCS Mock Interview	Pratik Mukherjee, Principal Software Engineer, Dell Technologies, IT, 2005 passout	22/06/2024, 23/06/2024, 24/06/2024
			Ankur Lal, Associate Director, HSBC, ECE, 2010 passout	22/06/2024, 23/06/2024, 24/06/2024
			Debalina Dutta, Senior consultant, Infosys, CSE, 2012 passout	22/06/2024, 23/06/2024, 24/06/2024
			Mrinmoy Roy Choudhury, Integration solution Architect, Cognizant technology solutions, EE, 2008 passout	22/06/2024, 23/06/2024, 24/06/2024
			Parthasarathi Roychowdhury, Pricipal System Architect, Areteans, EE, 2008 passout	22/06/2024, 23/06/2024, 24/06/2024
			Shambit Saha, Senior Technical Manager, Tech Mahindra, IT, 2008 passout	22/06/2024, 23/06/2024, 24/06/2024

THE WEST BENGAL SOCIETIES
REGISTRATION ACT, 1961

REGULATION
OF



DURGAPUR DR. B.C. ROY ENGINEERING COLLEGE PRAKTANI ALUMNI ASSOCIATION

Unless the context otherwise requires words & expressions continued in these Regulation shall bear the name meaning as in the W.B. Society Registration Act, 1961 or any statutory modification thereof.

MEMBERSHIP

1. ADMISSION:

a) The signatories to the Memorandum of Association & the office bearers of the Governing Body of the society shall be first member of the society . b) The Governing Body may admit to membership any person of any cast, creed or sex who has attained the age of 18 years and agreed in writing to be bound by the Memorandum of Association and regulations of the society and who in the opinion of the Governing Body will be interested in advancement of the object of the Society .

Be it noted here that the power to admit members is the sole and absolute power of the Governing Body and the Governing Body may refuse to admit any persons as a member without assigning any reason therefore .

1. TYPES OF MEMBER:

1) Honorary members: Any person whose connection with the society is deemed to be useful, may with the consent of such person be selected as Honorary member of the Society. Such members shall not, however, be eligible to be member of the Governing Body nor shall be entitled to vote in any meeting .

2) Ordinary members: Any person, qualified to be a member and paying prescribed ordinary membership fee may be admitted as ordinary members of the Society .

3) Cessation of Membership: Any member shall cease to be member (a) On the acceptance of his resignation from membership, (b) On his becoming insane or insolvent (c) On his conviction of any offence in connection with the formation promotion, management or conduct of affairs of society or a body corporation or of any offence involving moral turpitude .

4) Register of Members: The society shall be maintain a Register of members containing the names ; address and their occupation, the date of admission and of cessation of membership. The Register will be kept open for inspection of the members of society on requisition. All entries required to be made therein shall be entered within a period of 15 days.

5) Rights and obligation of Members: Any ordinary member of the society has the right (a) To select and to be elected in any election of the society, (b) Submit suggestion for discussion to the Governing Body and sub-committee on any matter relating to society, (c) To inspect the accounts and the proceedings of the meetings of the society on appointment with the secretary, (d) To pay his subscription within the prescribed time. Defaulting members shall not be allowed to take part or vote in meeting. Members shall have one vote each.

6) Expulsion & Removal: Frequent actions of any member, if found by the Governing Body is detrimental to the interest and is in violation of the rules and regulations of the society, he may be after due enquiry, censured, suspended or expelled from the membership by the Governing Body. In that case the Governing Body shall first serve the member concerned with a show cause the Governing Body shall first serve the member concerned with a show cause showing there in the charges framed and ask him to submit his statement of defense within a month.

On receipt of the explanation the Governing Body shall have the power to take a suitable action against the delinquent member after allowing him to defend his case. If no reply to the show cause notice is received within a month, the Governing Body may take an expert decision.

For any act of expulsion or termination no such member shall be entitled to prefer any claim for compensation or damage even if proved on subsequent date that such act of expulsion or termination was wrongful and / or unlawful.

GOVERNING BODY

1) Composition, Election/ Appointment, Resignation/ Removal, Terms of Office:

There shall be a Governing Body consisting of not less that 7 members. The office bearers of G.B. shall comprise of President , Vice President, Secretary, Asst. Secretary, Treasurer and other committee members. The office bearers & other committee members shall be selected at the A.G.M.

Contd. Page. No. 2

Sreemati Bhasini

Sanjit Kr. Jha

11 JUL 2023

Samarendra Nayak, Notary
Durgapur Burdwan, W.B.

The resignation and removal of the G.B. members shall be dealt with as has been prescribed as in the case of other members noted here in before.

The term of office of G.B. shall ordinarily be one year, unless it is dissolved/ terminated early under unforeseen circumstances. After election, the old Governing Body will continue to function till the new Body takes over charge which shall under no circumstances be more than 30 days form the dates of election.

- 2) Meeting: A meeting of Governing Body shall be held atleast once in three months at such place, date and time, as the President or the Secretary may determine and the Secretary shall summon the same within seven days and failing which the president on the requisitionists may do so provided no business other than specified in the notice shall be transaction at such meeting.
- 3) Notice and Quorum: 7 days notice of the meeting specifying the place, time and the general nature of business to be transacted, shall be given to every member of the Governing Body Emergency meeting may be called on 24 hours notice. 1/3rd members personally present within 30 minutes of the time, members present shall adjourn the meeting.
- 4) Procedure of the meeting: The President shall preside over all meetings of the Governing Body and in their absence members present shall select a chairman of the meeting. All questions before the meeting will be decided by a majority of votes, each member having one vote. The president or the chairman shall have a second or casting vote in addition to his on vote in case of equality of votes.
- 5) Power and Duties of the Governing Body: The Governing Body shall have general power of supervision and conduct over all the affairs of the society and in particular shall discharge the following duties. (i) To appoint sub-committee with such power and duties as may be considered necessary or expedient. (ii) To accept donation, gift, subscription, movable or immovable property for the objects of the society. (iii) To sell, lease mortgage or otherwise dispose of and deal with all or any part of the property for the objects society. (iv) To keep proper accounts of the society and to open bank account in the name of the society in one / more banks. (v) To co-opt. Not more than two members to the Governing Body. (vi) To appointment a person or persons on payment to assist the President/Secretary in the maintenance of the account etc. (vii) To apply for the financial assistance to the Nationalised/Private Banks/ Financial institution for the purpose of the organizational activities and to remit the loan obligations with interest regularly with priority and to abide by all the rules and regulations of such Bank/Financial Institute. (viii) To conduct any other business not specified here in for the assignments of the object of the society provide such business is not repugnant to such object.

SAFE CUSTODY OF PROPERTIES

1. The Governing Body shall be responsible for the safe custody of the Funds, Properties and asset of the society.
2. The Funds of the society shall be kept in banks/ post office/ mutual funds and be invested in any securities specified under sec.20 of the Indian Trust Act.1882.

BOOKS OF ACCOUNT & INSPECTION

The books of account and other statutory books shall be kept at the registered office and shall be open to inspection of the members at such time and place as the Governing Body directs on a written request made by any member.

ACCOUNTING YEAR

The accounting year of the society shall be form 1st day of April of each year to 31st day March following year.



Samarendra Nayak

Sanjit K. Tha

11 JUL 2023

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Samarendra Nayak, Notary
Durgapur Burdwan, W.B.

GENERAL MEETINGS

ANNUAL GENERAL MEETING:

Notice: The secretary shall annually call the Annual General Meeting giving at least 14 day's notice to all members. The notice shall contain the place date, day and time of meeting.

Agenda: The business to be transacted at the A.G.M. shall be (a) To confirm the minutes of the last A.G.M. & special general meeting if any, (b) To adopt with or without modification the report of the working of the Society for the previous year, (c) To pass audited accounts of the Society for the previous year ended. (d) To appoint qualified Auditor or Auditors, (e) To transact such business as may be fixed by the Governing Body, (f) To transact such other business as may be brought forward by giving 14 days previous notice from any member, (g) To conduct general election.

Quorum of the meeting: 1/3rd members personally present at the commencement of the meeting shall constitute the quorum.

Manner & Method of Voting: The Chairman of the meeting shall decide the manner & method of voting at the outset of the meeting.

Special General Meeting: the Governing Body may convene a Special General Meeting at any time in view of urgency of the matter. At least 7 days notice shall be given to every for special general meeting.

Members may request the Governing Body for special General meeting by placing a requisition signed by 2/3rd of total members. In that case the Governing body shall convene a special general meeting within a month from the receipt of such notice. In default by the Governing Body, the requisitions shall hold such meeting provided no business other than those specified in the notice should be transacted.

Extra-ordinary general meeting: The Governing Body may direct to convene an Extra-ordinary general meeting for consideration of addition, alteration or amendment of the memorandum/regulations of the Society, 7 days notice along with the proposed draft of change shall be sent to members before the meeting. The resolution for change, amendment etc. of the Memorandum & Regulations be carried out if accepted by the three fourths of the members present at the meeting.

DUTIES OF THE OFFICE BEARERS

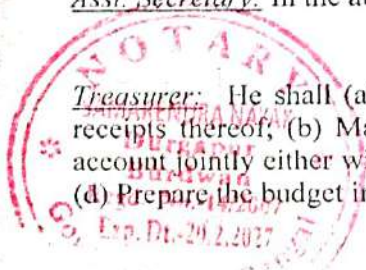
President: He shall (a) preside over all meeting of the Society; (b) take all disciplinary actions such as removable, dismissal etc. in consultation with the Governing Body; (c) advise the Secretary in any matter requiring urgent attention; (d) call emergent meeting.

Vice President: In the absence of the President, the Vice President shall perform all the duties of the President.

Secretary: He shall (a) convene all meeting of the Society; (b) maintain minute book of all meeting; (c) issue general circular & notice; (d) receive all application for membership which shall be placed before the Governing Body; (e) Sign on behalf of the Society all receipts for all sums received as subscription etc. (f) Sign & give pay order on bills for payments; (g) get the accounts of the Society audited by a Chartered Accountant; (h) ensure compliance with statutory requirements; (i) transact all other business subjects to the direction of the Governing Body.

Asst. Secretary: In the absence of the Secretary the Asst. Secretary shall perform all the duties of the Secretary.

Treasurer: He shall (a) collect & receive all sorts of subscriptions, Donations & Deposit of money & grand receipts thereof; (b) Maintain & keep cash book & such other accounts as are necessary; (c) Operate bank account jointly either with the President or the Secretary or as per meeting resolution past by the governing body (d) Prepare the budget in consultation with the Secretary for consideration of the Governing Body.



Shreemati Baleshi

Sanjit Kr. Tha

*Samarendra Nayak, Notary
Durgapur Durgawan, W.B.
Regd. No. 14/2007*

11 JUL 2023

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MAINTENANCE & AUDIT OF ACCOUNTS

The Society shall maintain books of accounts as required under Sec.15 (1) (a); (b) of the Act. The accounts shall be audited by a duly qualified auditors as stated in Sec.15 (2) of the Act.

SUIT & LEGAL PROCEEDINGS

All suits & Legal proceeding by or against the Society shall be in the name of the Secretary or such person as shall be appointed by the committee.

ALTERATION FOR MEMORANDUM & REGULATIONS

The memorandum & regulations may be altered, modified, rescinded or aided to by special resolutions passed by the 3/4th members in a general meeting called for the purpose.

The Governing Body shall have powers to make, alter modify or rescind such Bye-Laws & rules as may be considered necessary in the interest of smooth functioning of the society.

DISSOLUTION OF SOCIETY

Subject to the provisions of Sections 24 & 27 of the West Bengal Societies Registration Act, 1961 or may statutory modification thereof, the Society may be dissolved by a resolution to that effect passed by 3/4th members of the Society at a general meeting. The said meeting shall also decide the manner of disbursement of the funds & assets of the Association, if any after dissolution. After dissolution of society surplus & assets to be transferred in favour of registered society as decided by valid resolution or as per West Bengal Society Registration Act, 1961. No member of the society shall claim for any asset or surplus fund. Members shall not claim any fund or assets of the society.

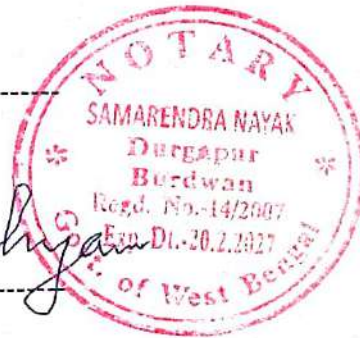
We, the undersigned members of the Governing Body of the Society, do hereby certify that the above is a true copy of the Regulations of Society.

Signature of three members of the Governing Body:

1. Sri Shauvik Bakshi
(SRI SHAUVIK BAKSHI)

2. Sanjit K. Jha
(SRI SANJIT JHA)

3. Abhijit Shyam
(SRI ABHIJIT SHYAM)



Samarendra Nayak
Samarendra Nayak, Notary
Durgapur Burdwan, W.B.
Regd. No.-14/2007

Date: 01ST DAY OF FEBRUARY, 2023

Sri Shauvik Bakshi Sanjit K. Jha
11 JUL 2023

West Bengal Societies Registration Act
MEMORANDUM OF ASSOCIATION
OF

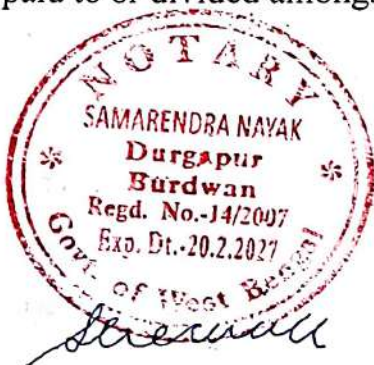
DURGAPUR DR. B.C. ROY ENGINEERING COLLEGE PRAKTANI ALUMNI ASSOCIATION

HOLDING NO.: N/1, JAMUA ROAD, WARD NO.: 25, P.S.: DURGAPUR, DIST.: PASCHIM
BARDHAMAN(W.B.),

1. Name of the society shall be : DURGAPUR DR. B.C. ROY ENGINEERING COLLEGE
PRAKTANI ALUMNI ASSOCIATION
2. The Registered office of the Society shall be situated at. : HOLDING NO.: N/1, JAMUA ROAD, WARD NO.: 25
P.S.: DURGAPUR, DIST.: PASCHIM BARDHAMAN (W.B.),
3. The objects for which the society is established are:
 - a) The B.C.R.E.C Alumnus i.e. Pass-out students of Dr. B.C. Roy Engineering College, Durgapur will be important members for realizing the goals of the organization i.e. the creation, the application and dissemination of knowledge. They will be crucial change agents in transformational leadership.
 - b) The association activities and programs for its Alumni will be directed towards building life long bonds of kinship with the College.
 - c) The purpose of the association will be to encourage the mutual understanding and support of the members.
 - d) To have a platform of dialogue between the members, and College community.
 - e) To sponsor social and professional activities of the Alumni association.
 - f) To promote communication, promote fund raising within the association for social and community development programs of the alumni, along with the alumni members.

The objects shall always remain restricted within the scope of section 4 (2) of the W.B.S.R. Act 1961.

The income and properties of the society whatsoever derived or obtained shall be applied solely towards the promotion of the objects of the society and no portion thereof shall be paid to or divided amongst any of its members by way of profits.



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Samarendra Nayak
Samarendra Nayak, Notary
Durgapur Burdwan, W.B.
Regd. No. 14/2007

11 JUL 2023

4. The Names, Address & Description of the Governing Body:

SL. NO	NAME	ADDRESS	DESCRIPTION
1.	SRI SHAUVIK BAKSHI	225/10, SWAMIJI SARANI, DUMDUM SOUTH NORTH 24 PGNS, PIN.: 700048	PRESIDENT
2.	SRI SOUVIK NANDI	44A NATIONAL PLACE, 2 ND FLOOR, PO.: BAKSARA, HOWRAH, PIN.: 711110.(W.B.)	VICE PRESIDENT
3.	SRI SANJIT JHA	C-504, RIVERVIEW CASARIO, PALAVA THANE, DOMBIVALI, MAHARASTRA.: 421204	SECRETARY
4.	MRS. SUCHINTITA GHOSH	132, BOSEPUKUR ROAD, TIJALA DIST.: SOUTH 24 PGNS,(W.B.)PIN.: 700039.	ASST. SECRETARY
5.	SRI ABHIJIT SHYAM	PURBO PARA, GOPALPUR, DIST.: PASCHIM BARDHAMAN(W.B.)PIN.: 713212	TREASURER
6.	MS JOON GANGULI	B8/1503, L&T SOUTH CITY BANNERGHATA ROAD, BANGALORE SOUTH, KARNATAKA, PIN.: 560076	ASST. TREASURER
7.	SRI RANAJIT GANGULY	126, PRAFULLA, SIMULTALA, ASANSOL, USHAGRAM, PIN.: 7133303.W.B.	MEMBER
8.	SRI SUBHRONATH MUKHERJEE	FLAT 8B, 129 NAYABAD AVENUE,, PANCHASAYAR, KOLKATA: 700094(W.B.)	MEMBER
9.	DR. RAJIB BANERJEE	A-43, MAULANA AZAD SARANI, CITY CENTRE, DIST.: PASCHIM BARDHAMAN(W.B.)PIN.: 713216	MEMBER
10.	DR. GOUR SUNDAR MITRA THAKUR	B-140, PRABARTAK HOUSING COMPLEX, 9 TH FLOOR, BAMUNARA, DIST.: PASCHIM BARDHAMAN(W.B.)PIN.: 713212	MEMBER
11.	ATANU MAITY	R 111/66, BIDHANNAGAR HOUSING COLONY, DIST.: PASCHIM BARDHAMAN, DURAPUR-06	MEMBER



Shreeraj Bishui

Sanjit K. Jha

Contd. Page/3

*Samarendra Nayak, Notary
Durgapur Bardwan, W.B.
Regd. No. 14/2007*

11 JUL 2023

5. We are the several persons who's Names, Address & Occupation are hereunto subscribed are desirous of being formed in to an association in pursuance of this memorandum of association.

SL. NO.	NAME & SIGNATURE	ADDRESS	OCCUPATION
1.	<i>Sreemati Bakshi</i> SRI SHAUVIK BAKSHI	225/10, SWAMIJI SARANI, DUMDUM SOUTH NORTH 24 PGNS, PIN.: 700048	PRIVATE SERVICE
2.	<i>Shwik Nandi</i> SRI SOUVIK NANDI	44A NATIONAL PLACE, 2 ND FLOOR, PO.: BAKSARA, HOWRAH, PIN.: 711110.(W.B.)	PRIVATE SERVICE
3.	<i>Sanjit K. Jha</i> SRI SANJIT KR. JHA	C-504, RIVERVIEW CASARIO, PALAVA THANE, DOMBIVALI, MAHARASTRA.: 421204	PRIVATE SERVICE
4.	<i>Suchintita Ghosh</i> MRS. SUCHINTITA GHOSH	132, BOSEPUKUR ROAD, TIJALA DIST.: SOUTH 24 PGNS,(W.B.)PIN.: 700039.	PRIVATE SERVICE
5.	<i>Abhijit Shyam</i> SRI ABHJIT SHYAM	PURBO PARA, GOPALPUR, DIST.: PASCHIM BARDHAMAN(W.B.)PIN.: 713212	PRIVATE SERVICE
6.	<i>Joon Ganguli</i> MS JOON GANGULI	B8/1503, L&T SOUTH CITY BANNERGHATA ROAD, BANGALORE SOUTH, KARNATAKA, PIN.: 560076	PRIVATE SERVICE
7.	<i>Ranajit Ganguly</i> SRI RANAJIT GANGULY	126, PRAFULLA, SIMULTALA, ASANSOL, USHAGRAM, PIN.: 7133303.W.B.	PRIVATE SERVICE
8.	<i>Subhronath Mukherjee</i> SRI SUBHRONATH MUKHERJEE	FLAT 8B, 129 NAYABAD AVENUE,, PANCHASAYAR, KOLKATA: 700094(W.B.)	PRIVATE SERVICE
9.	<i>Rajib Banerjee</i> DR. RAJIB BANERJEE	A-43, MAULANA AZAD SARANI, CITY CENTRE, DIST.: PASCHIM BARDHAMAN(W.B.)PIN.: 713216	PRIVATE SERVICE
10.	<i>Gour Sundar Mitra Thakur</i> DR. GOUR SUNDAR MITRA THAKUR	B-140, PRABARTAK HOUSING COMPLEX, 9 TH FLOOR, BAMUNARA, DIST.: PASCHIM BARDHAMAN(W.B.)PIN.: 713212	PRIVATE SERVICE
11.	<i>Atanu Maity</i> ATANU MAITY	R 111/66, BIDHANNAGAR HOUSING COLONY, DIST.: PASCHIM BARDHAMAN, DURAPUR-06.	PRIVATE SERVICE



Contd. P/4

*Sreemati Bakshi**Sanjit K. Jha*Samarendra Nayak, Notary
Durgapur Bardwan, W.B.
Regd. No. 14/2007

11 JUL 2023

Dr. Rajdeep Ray

Name of the Witness

Rajdeep Ray

Signature of the Witness

Address : Vill & P.O - RASULPUR, PURBA BARDHAMAN
P.S - MEMARI, 713151

Occupation : Teaching

Date : 01ST Day of FEBRUARY, 2023

Identified by

J. J. Mukherjee
Advocate



Samarendra Nayak
Samarendra Nayak, Notary
Durgapur Bardwan, W.B.
Regd. No. 14/2007

Shreemati Baleshi

Sanjit Kr. Tha

11 JUL 2023

**DURGAPUR DR. B. C. ROY ENGINEERING COLLEGE
PRAKTANI ALUMNI ASSOCIATION**

(SOCIETY REGISTRATION NO. S0036393 of 2023-2024)



From: **sourav paul** <sourav.paul@bcrec.ac.in>

Date: Fri, May 10, 2024 at 9:02 PM

Subject: Fwd: First AGM - Annual General Meeting of "Durgapur Dr. B C Roy Engineering College Praktani Alumni Association" on 15th May'24 - Wednesday - 1:30 pm IST

To: <paragkanti.chattopadhyay@bcrec.ac.in>, <joyjit.patra@bcrec.ac.in>, <susanta.karmakar@bcrec.ac.in>, <swadhin.mondal@bcrec.ac.in>, Dr. G. S. Mitra Thakur <gour.mitrathakur@bcrec.ac.in>, <rajib.banerjee@bcrec.ac.in>, <ankita.mitra@bcrec.ac.in>, <subhadra.debroy@bcrec.ac.in>, surajit batabyal <surajit.batabyal@bcrec.ac.in>, <moloy.mukherjee@bcrec.ac.in>, <indranil.sengupta@bcrec.ac.in>, Dr Susanta Dutta <susanta.dutta@bcrec.ac.in>, Shibendu Mahata <shibendu.mahata@bcrec.ac.in>, Dr. Sneha Sultana <sneha.sultana@bcrec.ac.in>, mou dasmahapatra <mou.dasmahapatra@bcrec.ac.in>, sourav paul <sourav.paul@bcrec.ac.in>, chandan paul <chandan.paul@bcrec.ac.in>, Kingsuk Majumdar <kingsuk.majumdar@bcrec.ac.in>, adhit roy <adhit.roy@bcrec.ac.in>, <ansuman.mahanty@bcrec.ac.in>, <atanu.maity@bcrec.ac.in>, <deepraj.mondal@bcrec.ac.in>, <barnali.das@bcrec.ac.in>, <jayitree.sikdar@bcrec.ac.in>, <sayantani.ghosh@bcrec.ac.in>, basudeb mondal <basudeb.mondal@bcrec.ac.in>

Dear All,

You all are requested to go through the trail mail (which is self explanatory) sent by the current secretary of our present governing body of "**Durgapur, Dr. B. C. Roy Engineering College Praktani Alumni Association (Registration Number: S0036393 of 2023-2024)**" reg. dated 13th June, 2023".

As mentioned in the trailing mail, the AGM has been called 15.05.2024 at 01:30 p.m IST in Hybrid mode. You all are cordially invited to attend the same.

Note: The joining link(for online participant) and venue (for offline mode participant) for the meeting will be updated shortly.

Thanks

Dr. Sourav Paul

Deepraj Mondal

Coordinator, Alumni Association.



----- Forwarded message -----

From: **Global Alumni Connect BCREC** <bcrecalumniconnect@gmail.com>

Date: Tue, May 7, 2024 at 2:00 PM

Subject: First AGM - Annual General Meeting of "Durgapur Dr. B C Roy Engineering College Praktani Alumni Association" on 15th May'24 - Wednesday - 1:30 pm IST.

To: DEEPAJ MONDAL

<deepraj.mondal@bcrec.ac.in>, sourav.paul@bcrec.ac.in <sourav.paul@bcrec.ac.in>
>, <bcrecalumniconnect@gmail.com>

Hi Everyone,

This is to invite you for the 1st AGM for the Praktani Alumni Association to be held on 15th May 1:30pm IST.

The meeting will take place through a Google meet link, which will be shared closer to the meeting.

Thanks,
Sanjit Jha

**Annual General Meeting Resolution of [DURGAPUR DR B.C.ROY ENGINEERING
COLLEGE PRAKTANI ALUMNI ASSOCIATION]**
**Date - 15/05/2024 , Time - 1.45 PM, Venue - Hybrid mode (Dr. B C Roy Engineering
college (Conference Room of Chief Advisor, BCREC)**

Attendees:

1. Shauvik Bakshi, President *Shauvik*
2. Souvik Nandi, Vice President *Souvik*
3. Sanjit Jha, Secretary *Sanjit*
4. Suchintita Ghosh, Asst. Secretary *S. Ghosh*
5. Abhijit Shyam, Treasurer *A. Shyam*
6. Ranajit Ganguly, Executive Committee Member *R. Ganguly*
7. Subhronath Mukherjee, Executive Committee Member *Subhronath*
8. Gour Sundar Mitra Thakur, General Member *Gour*
9. Deepraj Mondal, General Member *Deepraj*
10. Barnali Das, General Member *B. Das*
11. Susanta Dutta, General Member *Susanta*
12. Sourav Paul, General Member *Sourav*
13. Mou Das Mahapatra, General Member *Mou*
14. Kingsuk Majumder, General Member *Kingsuk*
15. Suman Chatterjee, General Member *Suman*
16. Chandan Paul, General Member *Chandan*
17. Basudeb Mondal, General Member *Basudeb*
18. Jayetree Sikdar, General Member *Jayetree*
19. Sneha Sultana, General Member *Sneha*
20. Shibendu Mahata, General Member *Shibendu*
21. Adhit Roy, General Member *Adhit*
22. Joyjit Patra, General Member *Joyjit*
23. Paragkanti Chattopadhyay, General Member *Paragkanti*
24. Dr. Sanjay S Pawar – Invitee Member *Dr. Sanjay*
25. Dr. K M Hossain – Invitee Member *Dr. Hossain*
26. Dr. Rajdeep Ray – Invitee Member *Dr. Rajdeep*
27. Prof. Saindhab Chattaraj – Invitee Member *Prof. Saindhab*
28. Prof. Susanta Karmakar – Invitee Member *Prof. Susanta*

Agenda:

1. Welcome and Opening Remarks
 2. Reading and Approval of the Previous AGM Minutes
 3. Presentation of the Annual Report
 4. Resignation of Certain Office Bearers
 5. Proposal of Special General Meeting to form new Executive Committee
 6. Closing Remarks
-

1. Welcome and Opening Remarks

The meeting was called to order by [Shauvik Bakshi], President of the [**DURGAPUR DR B.C.ROY ENGINEERING COLLEGE PRAKTANI ALUMNI ASSOCIATION**], who welcomed all members and outlined the agenda for the meeting.

2. Reading and Approval of the Previous AGM Minutes

The Secretary, [Sanjit Jha], read the minutes of the previous Annual General Meeting. A motion was made to approve the minutes as read, and it was seconded. The minutes were unanimously approved.

3. Presentation of the Annual Report

The President presented the annual report, highlighting key achievements, events, and activities over the past year. The report was well received, and a motion to accept the report was unanimously approved.

4. Resignation of Certain Office Bearers

The President announced the resignation of the following office bearers:

- Shauvik Bakshi, President
- Souvik Nandi, Vice President
- Sanjit Jha, Secretary
- Suchintita Ghosh, Asst. Secretary
- Abhijit Shyam, Treasurer
- Joon Ganguly, Asst. Treasurer

A motion was made to accept the resignations with immediate effect. The motion was seconded and passed unanimously. The association thanked the outgoing members for their service and contributions.

5. Proposal of Special General Meeting to form new Executive Committee

A special general meeting (SGM) has been proposed and accepted unanimously to elect the new members of the Executive Committee as soon as possible.

6. Closing Remarks

The President thanked all members for their participation and contributions to the meeting. The meeting was adjourned at 4.00 pm.

Resolution Passed

We, the members of [**DURGAPUR DR B.C.ROY ENGINEERING COLLEGE PRAKTANI ALUMNI ASSOCIATION**], hereby resolve to accept the resignations of the specified office bearers and call SGM immediately to propose and elect the new members to the Executive Committee, as outlined in this resolution.

Special General Meeting Resolution of [DURGAPUR DR B.C.ROY ENGINEERING
COLLEGE PRAKTANI ALUMNI ASSOCIATION]
Date - 28/05/2024 , Time - 1.40 PM, Venue - Virtual Mode

Attendees:

1. Shauvik Bakshi, Ex-President *Shauvik*
2. Souvik Nandi, Ex-Vice President *Souvik*
3. Sanjit Jha, Ex-Secretary *Sanjit*
4. Suchintita Ghosh, Ex-Asst. Secretary *S. Ghosh*
5. Abhijit Shyam, Ex-Treasurer *A. Shyam*
6. Ranajit Ganguly, Executive Committee Member *R. Ganguly*
7. Subhronath Mukherjee, Executive Committee Member *Subhronath*
8. Gour Sundar Mitra Thakur, General Member *Gour Sundar*
9. Deepraj Mondal, General Member *Deepraj*
10. Barnali Das, General Member *B. Das*
11. Susanta Dutta, General Member *Susanta*
12. Sourav Paul, General Member *Sourav*
13. Mou Das Mahapatra, General Member *Mou Das*
14. Kingsuk Majumder, General Member *Kingsuk*
15. Suman Chatterjee, General Member *Suman Chatterjee*
16. Chandan Paul, General Member *Chandan*
17. Basudeb Mondal, General Member *Basudeb*
18. Jayetree Sikdar, General Member *Jayetree*
19. Sneha Sultana, General Member *Sneha*
20. Shibendu Mahata, General Member *Shibendu*
21. Adhit Roy, General Member *Adhit*
22. Joyjit Patra, General Member *Joyjit*
23. Paragkanti Chattopadhyay, General Member *Paragkanti*
24. Dr. K M Hossain – Invitee Member *Dr. Hossain*
25. Dr. Rajdeep Ray – Invitee Member *Dr. Ray*
26. Prof. Susanta Karmakar – Invitee Member *Prof. Karmakar*

Agenda:

1. Welcome and Opening Remarks
2. Election and Proposal of New Members to the office bearers and Executive Committee
3. Closing Remarks

1. Welcome and Opening Remarks

The meeting was called to order by [Deepraj Mondal], Co-ordinator of the [DURGAPUR DR B.C.ROY ENGINEERING COLLEGE PRAKTANI ALUMNI ASSOCIATION], who welcomed all members and outlined the agenda for the meeting.

2. Special General Meeting to form new Executive Committee

The following individuals were proposed as new members of the Executive Committee:

- Susanta Dutta for the position of President
- Shauvik Bakshi for the position of Vice President
- Deepraj Mondal for the position of Secretary
- Sanjit Jha for the position of Jt. Secretary
- Kingsuk Majumdar for the position of Jt. Secretary
- Sourav Paul for the position of Treasurer
- Papai Das for the position of Jt. Treasurer
- Suman Chatterjee for the position of Jt. Treasurer
- Ranadip Paul for the position of Member
- Barnali Das for the position of Member
- Souvik Nandi, for the position of Member
- Suchintita Ghosh, for the position of Member
- Abhijit Shyam, for the position of Member
- Ranajit Ganguly, for the position of Member
- Subhronath Mukherjee, for the position of Member
- Gour Sundar Mitra Thakur, for the position of Member
- Mou Das Mahapatra, for the position of Member
- Chandan Paul, for the position of Member
- Basudeb Mondal, for the position of Member
- Ankita Mitra, for the position of Member
- Deep Joarder, for the position of Member
- Suprakash Mukherjee, for the position of Member

Each candidate was introduced, and their competencies were reviewed. A motion was made to elect the proposed members to their respective positions. The motion was seconded and passed unanimously. The new office bearers were welcomed to the Executive Committee.

3. Closing Remarks

The President thanked all members for their participation and contributions to the meeting. The meeting was adjourned at [2:15 pm].

Resolution Passed

We, the members of [DURGAPUR DR B.C.ROY ENGINEERING COLLEGE PRAKTANI ALUMNI ASSOCIATION], hereby resolve to accept the proposed names of the new office bearers of the new Executive Committee, as outlined in this resolution.

**DURGAPUR DR. B. C. ROY ENGINEERING COLLEGE
PRAKTANI ALUMNI ASSOCIATION
(SOCIETY REGISTRATION NO. S0036393 of 2023-2024)**



Ref No: Praktani /GM/2024/JUNE/01

Date: 19th JUNE, 2024

Dear All,

Please note that a general meeting of our "Durgapur Dr. B C Roy Engineering College Praktani Alumni Association", will be held on 22/06/2024 (Saturday) at 3:00 pm IST.

The meeting will be held in Hybrid mode - The venue will be our Chief Advisor Sir's conference room. The online meeting link is as below:

Saturday, June 22 · 3:00 – 5:00pm

Time zone: Asia/Kolkata

Google Meet joining info

Video call link: <https://meet.google.com/roh-iyjm-zyt>

Or dial: (US) +1 984-212-6189 PIN: 686 715 959#

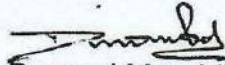
The meeting agendas are as below:

- a) 'REMINISCE 2024' i.e. Alumni meet - Date finalisation and declaration.
- b) Discussion and planning of our Silver Jubilee Alumni program:
 - i) Event plan of the day
 - ii) Cultural Program for that day
 - iii) Program plan for our Alumni Association to be followed throughout the year
- c) Discussion on Sponsorship
- d) Discussion on our promotional / marketing activities

(AM)
Registration - 300/-
Alumni Fees/Donation??

We request and cordially invite everyone to attend the same.

Thanks & Regards,


19/6/24

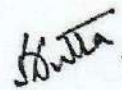
Deepraj Mondal

Secretary,

Durgapur Dr. B C Roy Engineering
College Praktani Alumni Association

REG. NO. S0036393 OF 2023-2024

SECRETARY


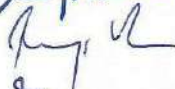







19.06.24.

Prof.(Dr) Susanta Dutta

President, Durgapur Dr. B C Roy Engineering
College Praktani Alumni Association

DURGAPUR DR. B. C. ROY ENGINEERING COLLEGE
PRAKTANI ALUMNI ASSOCIATION
REG. NO. S0036393 OF 2023-2024

PRESIDENT

1. SAINDHAB CHATTARJY -  22/06/2024
2. Jaeybee Sikdar - Sikdar 22/6/24
3. SUPRAKASH MUKHERJEE - Suprakash Mukherjee's 22/6/2024
4. Dr. RAJIB BANERJEE  22/6/2024
5. Subhadra Deb Roy  22/06/2024.
6. Deep Jaiswal
7. Souradip Bhattacharya
8. DEEPAJ MONDAL  22/6/24
9. ARKA ROY,  22/06/24
10. ARITRA MONDAL A. Mondal 22/6/2024
11. DEBPRAKASH GHOSH  22/06/2024
12. CHANDAN PAUL  22/06/2024
13. KINGSUK MAJUMDAR  2024/06/22

MOM.

1. The event name finalized as "REMINISCE 2024" and the date was finalized on 22nd December 2024 (Sunday)
2. Membership fees to be for all Alumni - Rs 300/-
Event Registration fees - To be discussed and the to be paid yearly.
Alumni Donation -
3. Event plan for the day & Cultural program details to be discussed in micro level shortly.
Alumni activities plan for throughout the year - to be discussed in micro level shortly.
4. Sponsorship - Internal and External
5. CSR activities

**DURGAPUR DR. B. C. ROY ENGINEERING COLLEGE
PRAKTANI ALUMNI ASSOCIATION**

(SOCIETY REGISTRATION NO. 50036393 of 2023-2024)

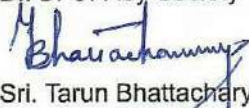



Ref: Praktani/GM/2024/JUNE/02


Date: 22nd June, 2024

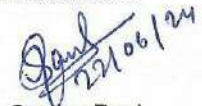
Sub: 'REMINSCE 2024' i.e. "Durgapur Dr. B. C. Roy Engineering College Praktani Alumni Association" meet on 22nd Dec, 2024 (Sunday).

It has been decided (with ref. to GM on 22nd June, 2024) to organise 'REMINSCE 2024' i.e. "Durgapur Dr. B. C. Roy Engineering College Praktani Alumni Association" meet on "22nd Dec, 2024 (Sunday)". The get-together may be arranged at the college campus. The necessary permission for organising the above may be please given.


To
General Secretary
Dr. B. C. Roy Society

Sri. Tarun Bhattacharya


Dr. Susanta Dutta
President,
Durgapur Dr. B. C. Roy Engineering College
Praktani Alumni Association



Mr. Deepraj Mondal
Secretary,
Durgapur Dr. B. C. Roy Engineering College
Praktani Alumni Association


Dr. Sourav Paul
Treasurer,
Durgapur Dr. B. C. Roy Engineering College
Praktani Alumni Association


Kingsuk Majumdar
Joint Secretary,
Durgapur Dr. B. C. Roy Engineering College
Praktani Alumni Association


Mr. Suman Chatterjee
Joint Treasurer,
Durgapur Dr. B. C. Roy Engineering College
Praktani Alumni Association

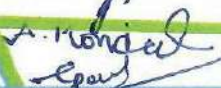
Alumni committee members;



Jayibee Sikdar 22/6/24 JSikdar









Sarbojit Biswas. Deep Jaiswal



Dr. B. C. ROY ENGINEERING COLLEGE, DURGAPUR

(Approved by AICTE & Affiliated to MAKAUT, WB)

CAMPUS : JEMUA ROAD, FULJHORE, DURGAPUR-713206 (W.B.), INDIA

☎ : (0343) 250-1353/4106/4121/4245, 6297128554, Fax : (0343) 250-4059

E-mail : info@bcrec.ac.in • Website : www.bcrec.ac.in

Minutes of Anti Ragging Committee 2023-2024 held on 14th August, 2023

Convener of Anti Ragging Committee, BCREC welcomed the members and discussed the following to curb the ragging:

1. Since "Ragging" is any form is not endured within the premises of the college or at the hostels as per provision of UGC/MHRD/AICTE regulations.
2. Ragging is strictly proscribed inside and outside the campus.
3. If any instance will takes place the authority will chalet F.I.R against the indicted.
4. Severe action would be taken against the students involved in ragging, irrespective their gender.
5. It's the accountability of the seniors to guide the new comers whenever they approach them.
6. Anti-Ragging roving squad is nominated with a group of staff members of BCREC to look after the issues related to Anti Ragging activities inside and outside the campus.
7. In accordance to the guide line of Honourable Supreme Court of India verdict, the comprehensive guide lines discussed to implement the same.
8. Mischievous elements shall be identified and mischievous behaviour shall be liable for punishment as per rule of the BCREC.
9. A weekly review report of disciplinary measures with regards to the hostel shall be communicated to the Chairman Anti-Ragging Committee, BCREC.
10. To regulate ragging issues among the hostel students, staff members are appointed to the night duty as well as non-working day hostel duties at Satyen Bose Boys Hostel in periodic intervals.

Members Present:

1. Prof. (Dr.) Sanjay S. Pawar, Principal, BCREC
2. Prof. (Dr.) Rajdeep Ray, Dean (SW)
3. Prof. Saindhab Chattaraj, AP, CSE
4. Prof. (Dr.) K.M Hossain, Vice Principal, BCREC
5. Prof. (Dr.) Arindam Mondal, REGISTRAR
6. Prof. (Dr.) Aloke Kahali, HEAD (ADMN)
7. Prof. (Dr.) Narendra Nath Pathak, HOD, ECE
8. Prof. (Dr.) Raj Kumar Samanta, HOD, CSD
9. Prof. (Dr.) Susanta Dutta, HOD, EE
10. Prof. (Dr.) Sanjay Sengupta, HOD, CE

- Chairman, ARC *Jn*
- Member Secretary (ARC) *Hc*
- Convener, ARC *Hc 14/8/23*
- Member *Hc 14/8/2023*
- Member *Hc*
- Member *15/8/2023*
- Member *Hc 14/08/23*
- Member *Hc 14/8/23*
- Member *Hc 14/8/23*

Jn
Principal
Dr. B. C. Roy Engineering College
DURGAPUR
Prof.(Dr.) Sanjay S. Pawar
Principal & Chairman, ARC
Dr. B. C. Roy Engineering College, Durgapur





Dr. B. C. ROY ENGINEERING COLLEGE, DURGAPUR

(Approved by AICTE & Affiliated to MAKAUT, WB)

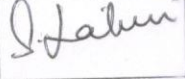
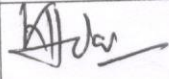
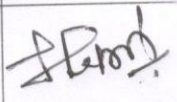
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☎ (0343) 250-1353/4106/4121/4245, 6297128554, Fax : (0343) 250-4059
E-mail : info@bcrec.ac.in • Website : www.bcrec.ac.in

Minutes of The Anti-Ragging Committee Meeting of Dr. B. C. Roy Engineering College, Durgapur held on Tuesday, 21st November, 2023 at 11:30 PM at Principal's Conference Room.

Members present:

Sl. No	Name	Designation	E-Mail	Phone Number	Signature
1	Prof.(Dr.) Sanjay Pawar S.	Principal, Chairman, Anti Ragging Cell, BCREC	principal@bcrec.ac.in	8967674754	
2	Prof.(Dr.) K. M. Hossain	Vice-Principal	km.hossain@bcrec.ac.in	6290120456	
3	Prof.(Dr.) R.K.Samanta	HoD, CSD	rajkumar.samanta@bcrec.ac.in	9333336958	
4	Dr. Susanta Dutta	HoD, EE	susanta.dutta@bcrec.ac.in	9434254591	
5	Dr. Rajdeep Ray	Dean of Students Welfare	rajdeep.ray@bcrec.ac.in	7407101616	
6	Prof. (Dr.) Arindam Mondal	Registrar	registrar@bcrec.ac.in	7439189084	
7	Dr. Alok Kahali	Head, Admin	alok.kahali@bcrec.ac.in	9831262408	
8	Prof. Keka Hazra	Asst. Professor, ECE	keka.hazra@bcrec.ac.in	9434535583	
9	Prof. Sabbir Reja Tarafdar	Asst. Professor, CSE	sabbir.tarafdar@bcrec.ac.in	9434615914	
10	Prof. Amit Kotal	Asst. Professor, CE	amit.kotal@bcrec.ac.in	9693748571	
11	Mr. Dhruvajyoti Mukhopadhyay	Campus Admin	dhrubajyoti.mukhopadhyay@bcrec.ac.in	8617882584	
12	Prof. Sunil Kumar Chaudhury	Asst. Professor, CE	sunil.chaudhury@bcrec.ac.in	7797843934	
13	Prof. Biswajit Mondal	Asst. Professor, CSE	biswajit.mondal@bcrec.ac.in	7001828820	

Principal
Dr. B. C. Roy Engineering Coll
DURGAPUR

14	Prof. Sarabjeet Lahiri	Asst. Professor, BSH	sarabjeet.lahiri@bcrec.ac.in	9851006415	
15	Prof. Keramot Hossain Mondal	Asst. Professor, IT	keramot.hossain@bcrec.ac.in	7908424838	
16	Prof. Saindhab Chattaraj	Nodal Officer – Anti Ragging Cell, BCREC	saindhab.chattoraj@bcrec.ac.in	9775274399	

Prof. (Dr.) Sanjay S. Pawar, Principal welcomed all the members participated in the meeting and started discussion as per the agenda items.

Agenda 1. – A complaint letter related to ragging was lodged to the Anti Ragging helpline UGC vide Complaint No. WB_0209 dated 17.11.2023

Resolution:

The complaint letter was received on 17.11.2023 and the authorities have communicated to the Anti Ragging Helpline –UGC stating that the Anti Ragging committee of BCREC will take action on opening the college on 21.11.2023. An internal investigation was carried out in between and a group of students was identified.

The convenor of the cell called for an urgent meeting with above members along with the 23 student members initially found in guilty.

Upon interrogations with the student members, the following observations noted:


A group of 2nd year students across different departments have formed a WhatsApp group and they have forcibly included the newly admitted students in that group. They were allegedly involved in posting abuse languages, instructions /directions to be followed by 1st year students. Sometimes they have threatened few 1st year students if somebody tries to leave the group. The newly admitted students are feeling scary for this kind of behaviour /attitude of the senior students.

The screenshots of all the messages in the group were carefully looked after in the meeting and they are safely recorded. It has also been observed that one of the student was using the logo of West Bengal Police in his WhatsApp DP which is again a case of misuse of government emblem.

Considering the depth of the incidents and the accused found guilty of a part of ragging activities, the members unanimously decided to lodge FIR against the two students namely Raj Ranjan and Sagnik Sarkar as the principal accused and two mobile phones are confiscated by the Convenor and Nodal office in a sealed envelope putting the signature of the students on the seal.

All the students have signed an undertaking confessing their activities.

The meeting ended with vote of thanks to the Chair.


 Prof. (Dr.) Sanjay S. Pawar
 Principal
 Dr. B.C Roy Engineering College, Durgapur

Principal
 Dr. B. C. Roy Engineering College
 DURGAPUR



**Dr. B. C. Roy Engineering College
Internal Complaint Committee**

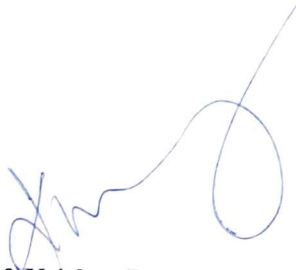
14 August, 2023

NOTICE

All the members of the Internal Complaint Committee (ICC) are requested to attend a meeting on **17 August, 2023 at 4 p.m.** in the Digital room of FMS (3rd Floor, Main Building).

Agenda:

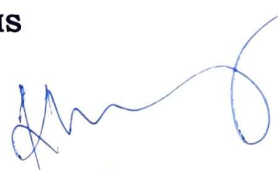
- I:** Grievances reported since the last meeting of the committee and actions taken.
- II:** Programmes during the ongoing odd semester
- III:** Creating awareness regarding ICC
- IV:** Procedure for grievance handling
- V:** Discussion on the Annual Budget
- VI:** Any other matter



Prof. Krishna Roy
Convener – ICC Committee

Minutes of the meeting of the ICC
Date: August 17, 2023
Time: 4:00 pm
Meeting held at Digital Class Room, FMS

Attendees:

Prof. Krishna Roy	Assistant Professor	Convenor	
Prof. Debipriya Dutta	Assistant Professor	Member	D. Dutta.
Dr. Dola Sinha	Associate Professor	Member	D.S.
Dr. Rupali	Assistant Professor	Member	R.
Prof. Sayanti Samanta	Assistant Professor	Member	S.
Prof. Moutusi Mondal	Assistant Professor	Member	M. M.

Members not in attendance: NIL

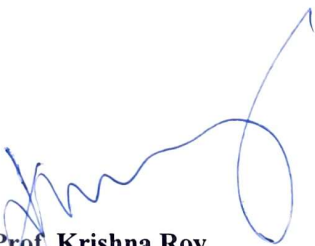
The meeting of ICC was held on 17.08.2023 at 04:00 PM with the members of ICC in the Digital room of FMS. The meeting commenced with the welcome note of the Convenor, ICC, who also thanked all the members for their cooperation and valuable suggestions for the proper functioning of the ICC.

The following points were discussed in the meeting for implementation in the academic year 2023-24 odd semester:

1. It was found that no cases of Sexual Harassment of women had been reported since the last meeting, neither from students nor from teaching and non-teaching employees.
2. It was decided that the committee will organize 2 one-day/half-day sessions for the students, faculty and staff members of BCREC during the A/Y 2023-24 odd semester to create awareness.

3. It was decided that the 1st event would be a session on “Women at the Workplace-Legal Aspects” to create awareness about laws that help in protecting women in the educational institutions and the workplace. The eminent speaker would be Shilpi Mukhopadhyay, a practicing advocate from Durgapur.
4. The Convener emphasized the need to raise awareness about ICC and its role in addressing gender-graded issues. The suggestion was made to conduct workshops, seminars, and informational sessions.
5. It was decided to review the current procedure for grievance handling and identify areas for improvement. It was agreed to streamline the process and provide clear guidelines for resolving grievances.
6. The team showed interest in conducting a martial arts session in the near future. The next program on self-defense and martial arts based on women empowerment events is yet to be scheduled and finalized.
7. For the smooth conduction of the 1st event, responsibilities have been distributed among all the members of the committee.
8. Budget for the 1st event has been prepared and waiting for approval.

Since there were no other points to discuss, the meeting ended



Prof. Krishna Roy
Convener – ICC Committee

**Dr. B. C. Roy Engineering College
Internal Complaint Committee**

21st September, 2023

NOTICE

All the members of the Internal Complaint Committee (ICC) are requested to attend a meeting on **22nd September, 2023 at 4 p.m.** in the Digital room of FMS (3rd Floor, Main Building).







Agenda:

- I:** Review of minutes of the previous meeting
- II:** Discussion on the complaint received from a lady faculty, dated 20th September, 2023.
- III:** Action plan for enquiry against the above complaint.
- IV:** Any other matter


Prof. Krishna Roy
Convenor – ICC Committee

Minutes of the meeting of the ICC
Date: September 22, 2023
Time: 4:00 pm
Meeting held at Digital Class Room, FMS

Attendees:

Prof. Krishna Roy	Assistant Professor	Convenor	
Dr. Dola Sinha	Associate Professor	Member	
Dr. Rupali	Assistant Professor	Member	
Prof. Sayanti Samanta	Assistant Professor	Member	
Prof. Moutusi Mondal	Assistant Professor	Member	
Prof. Debipriya Dutta	Assistant Professor	Member	

The meeting of ICC was held on 22.11.2023 at 04:00 PM with the members of ICC in the Digital room of FMS. The meeting commenced with the welcome note of the Convenor, ICC, who also thanked all the members for their cooperation and valuable suggestions for the proper functioning of the ICC.

1. All members were informed about a complaint raised by a lady faculty against a workshop instructor of another department for misbehaviour. All members unanimously agreed that an inquiry should be conducted on the matter.
2. The members discussed the procedure that would be laid down for conducting the inquiry. It was decided that all members of ICC would be present in the committee. The complainant, the defendant, the witnesses, and others involved will be interviewed on camera.
3. Each of the person interviewed will provide their views in writing.
4. It was decided that the findings of the inquiry would be handed over to the higher authorities for necessary decisions and actions.

Since there were no other points to discuss, the meeting ended



Prof. Krishna Roy

Convenor - ICC Committee

**DR. B. C. ROY ENGINEERING COLLEGE,
DURGAPUR-713206**

SC/ST CELL

Ref. No.: SC&ST/2023-24/02

Date: 04th Dec, 2023

Venue: Principal Conference Room

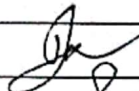
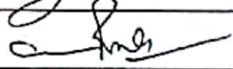
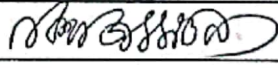
Minutes of Meetings

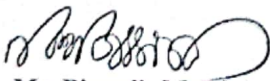
The SC/ST Cell committee meeting was held on 04th Dec, 2023 at 3:00 PM at Principal conference room. The meeting was chaired by the Principal.

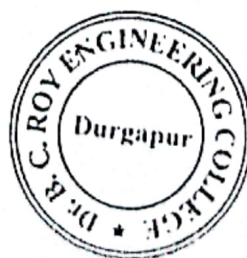
Following points were discussed:

- The Principal welcomed the SC/ST cell committee members.
- The coordinator updated on the status of SC/ST student list for the Academic Year 2023-24. Coordinator mentioned some reserved category students does not give their cast certificate during admission process. It has been discussed whether such students can be tracked by the office of the Registrar during the application of scholarship by such students.
- Registrar mentioned that the above point has been brought to his notice by IQAC coordinator and the same may be tracked down through the office of different departments before their university registration process document submission.
- The committee members decided to collect the SC/ST students name list for the entire first year UG & PG admitted students. This will also be required for reporting of NAAC AQAR and NIRF.
- The members discussed about different government and non-government scholarship available for the SC/ST students. It has been decided that, committee members will meet the 1st year students and update them on same by December.

Signature of the members' present

Sl	NAME	DESIGNATION	SIGNATURE
1.	Prof. (Dr.) Sanjay S. Pawar	Principal	
2.	(Dr.) Arindam Mondal	Registrar	
3.	Prof. Biswajit Mondal	Assistant Professor	
4.	Prof. Chandan Das	Assistant Professor	Chandan Das
5.	Prof. Amit Kotal	Assistant Professor	Amit Kotal


Mr. Biswajit Mondal
Coordinator
SC/ST CELL, BCREC



**DR. B. C. ROY ENGINEERING COLLEGE,
DURGAPUR-713206**

SC/ST CELL

Ref. No.: SC&ST/2023-24/01

Date: 10th Aug, 2023

Venue: Principal Conference Room

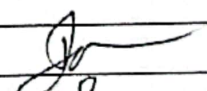
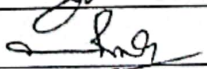
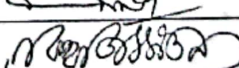
Minutes of Meetings

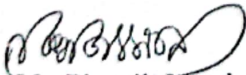
The SC/ST Cell committee meeting was held on 10th Aug, 2023 at 4:00 PM at the Principal conference room. The meeting was chaired by the Principal.

Following points were discussed:

- The Principal presented welcome address for the SC/ST cell committee members.
- The SC/ST cell was reconstituted with three members out of that two from same community. Principal will be the Chairperson of the committee. Registrar will also be a member of the committee as the registrar section looks after all the need for scholarship of the students at the central level.
- The Principal put forth the aims and objectives of this committee and explained the importance of effectiveness of this committee.
- The committee members unanimously selected Mr. Biswajit Mondal, Assistant Professor, CSE Dept. as the coordinator for SC/ST Cell.
- There is a grievance logging system available in the website for students. Any grievance logged through this system related to SC/ST student complaint will be tracked by the office of the Registrar.
- The committee members discussed about different job orientation for SC/ST students. It has been decided that students will be encouraged to participate in the campus recruitment process with full confidence and will be oriented to take up private jobs and then prepare for Government opportunities later. The same will be done through departmental representative as assigned by the Head of the Departments.

Signature of the members' present

Sl	NAME	DESIGNATION	SIGNATURE
1.	Prof. (Dr.) Sanjay S. Pawar	Principal	
2.	(Dr.) Arindam Mondal	Registrar	
3.	Prof. Biswajit Mondal	Assistant Professor	
4.	Prof. Chandan Das	Assistant Professor	Chandan Das
5.	Prof. Amit Kotal	Assistant Professor	Amit Kotal


Mr. Biswajit Mondal
Coordinator
SC/ST CELL, BCREC



DR. B.C.ROY ENGINEERING COLLEGE,
DURGAPUR-713206

SC/ST CELL

Ref. No.: SC&ST/2022-23/02

Date: 11th April, 2023

Venue: Principal Conference Room

Minutes of Meetings

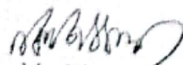
The SC/ST Cell committee meeting was held on 11th April, 2023 at 4:00 PM at the Principal conference room. The meeting was chaired by the Principal.

Following points were discussed:

- The coordinator updated on the status of SC/ST student list for the Academic Year 2022-23.
- Registrar mentioned that the caste certificates are now being collected and kept at the departmental offices before the university registration process of the students. For the AY 2022-23 caste certificates have been collected. The same may be reported as a supporting document for NAAC and NIRF purpose.
- The committee members discussed about different job orientation for SC/ST students. It has been decided that students will be encouraged to participate in the campus recruitment process with full confidence and will be oriented to take up private jobs and then prepare for Government opportunities later. The same will be done through departmental representative as assigned by the Head of the Departments.
- Prof. Amit Kotal suggested that if any awareness program can be organized by the NSS cell of the institute for the SC/ST students only. Registrar mentioned that the same will be communicated to NSS cell so that the same can be organized in the next academic year.
- Registrar mentioned that no grievance has been registered for the academic year 2022-23 till date by any SC/ST students.
- Prof. Chandan Das mentioned that a Govt. personnel from state / central may be requested to orient category students on different Govt. schemes available. The same may be organized in the next academic year.

Signature of the members present

Sl	NAME	DESIGNATION	SIGNATURE
1.	(Dr) Sanjay S Pawar	Principal	
2.	(Dr) Arindam Mondal	Registrar	
3.	Mr. Biswajit Mondal	Asst Professor	
4.	Mr. Chandan Das	Asst Professor	Chandan Das
5.	Mr. Amit Kotal	Asst Professor	Amit Kotal


Mr. Biswajit Mondal
Coordinator
SC/ST CELL, BCREC



**DR. B.C.ROY ENGINEERING COLLEGE,
DURGAPUR-713206**

SC/ST CELL

Ref. No.: SC&ST/2022-23/01

Date: 12th October, 2022

Venue: Principal Conference Room

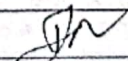
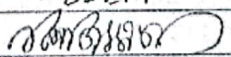
Minutes of Meetings

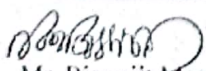
The SC/ST Cell committee meeting was held on 12th October, 2022 at 4:00 PM at the Principal conference room. The meeting was chaired by the Principal.

Following points were discussed:

- The principal presented welcome address for the SC/ST cell committee members.
- It has been decided that same SC/ST cell will continue with three members out of that two from same community. Principal will be the Chairperson of the committee. Registrar will also be a member of the committee as the registrar section looks after all the need for scholarship of the students at the central level.
- The principal put forth the aims and objectives of this committee and explained the importance of effective functioning of this committee.
- The committee members unanimously selected Mr. Biswajit Mondal, Assistant Professor, CSE as the coordinator for SC/ST Cell.
- Principal mentioned there should be a grievance redressal system. Coordinator mentioned that there is a grievance logging system available in the website for students. Any grievance logged through this system related to SC/ST student complaint will be tracked by the office of the Registrar. Principal explained the need for wide publicity of the same grievance logging system to students.
- The committee members decided to collect the SC/ST students name list for the entire first year UG & PG admitted students. This will be also required for reporting of NAAC AQAR and NIRF. As the admission is ongoing, it has been decided that committee will continue monitoring the collection and consolidation of data.
- The members discussed about different the government and non-government scholarship available for the SC/ST students. It has been decided that, committee members will meet the 1st year students and update them on same by December. Moreover, the students will be also updated on the grievance logging system available in the institute website.

Signature of the members present

Sl	NAME	DESIGNATION	SIGNATURE
1.	(Dr) Sanjay S Pawar	Principal	
2.	Smt. Ruma Mitra	Registrar	ABSENT
3.	Mr. Biswajit Mondal	Asst Professor	
4.	Mr. Chandan Das	Asst Professor	Chandan Das
5.	Mr. Amit Kotal	Asst Professor	Amit Kotal


Mr. Biswajit Mondal
Coordinator
SC/ST CELL, BCREC



DR. B.C.ROY ENGINEERING COLLEGE,
DURGAPUR-713206

SC/ST CELL

Ref. No.: SC&ST/2021-22/02

Date: 10th May, 2022

Venue: Principal Conference Room

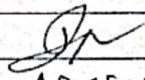
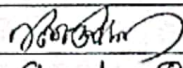
Minutes of Meetings

The SC/ST Cell committee meeting was held on 10th May, 2022 at 4:00 PM at the Principal conference room. The meeting was chaired by the Principal.

Following points were discussed:

- The coordinator updated on the status of SC/ST student list for the Academic Year 2021-22. Coordinator mentioned there are some students who are in reserved category, however does not inform during admission. It has been discussed whether such students can be tracked by the office of the Registrar during the application of scholarship by such students.
- Registrar mentioned that the above point has been brought to his notice by IQAC coordinator and the same may be tracked down through the office of different departments before their university registration process document submission.
- The committee members discussed about different job orientation for SC/ST students. It has been decided that students will be encouraged to participate in the campus recruitment process with full confidence and will be oriented to take up private jobs and then prepare for Government opportunities later. The same will be done through departmental representative as assigned by the Head of the Departments.

Signature of the members present

Sl	NAME	DESIGNATION	SIGNATURE
1.	(Dr) Sanjay S Pawar	Principal	
2.	Smt. Ruma Mitra	Registrar	ABSENT
3.	Mr. Biswajit Mondal	Asst Professor	
4.	Mr. Chandan Das	Asst Professor	Chandan Das
5.	Mr. Amit Kotal	Asst Professor	Amit Kotal



Mr. Biswajit Mondal
Coordinator
SC/ST CELL, BCREC



DR. B.C.ROY ENGINEERING COLLEGE,
DURGAPUR-713206

SC/ST CELL

Ref. No.: SC&ST/2021-22/01

Date:07th Dec, 2021

Venue:Principal Conference Room

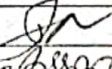
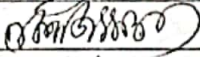
Minutes of Meetings

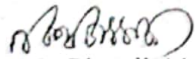
The SC/ST Cell committee meeting was held on 07th Dec, 2021 at 4:00 PM at the Principal conference room. The meeting was chaired by the Principal.

Following points were discussed:

- The principal presented welcome address for the SC/ST cell committee members.
- The SC/ST cell was reconstituted with threemembers out of that two from same community. Principal will be the Chairperson of the committee. The principal put forth the aims and objectives of this committee and explained the importance of effective functioning of this committee.
- The committee members unanimously selected Mr. Biswajit Mondal, Assistant Professor, CSE as the coordinator for SC/ST Cell.
- The committee members decided to collect the SC/ST students name list for the entire first year UG & PG admitted students. This will be also required for reporting of NAAC AQAR and NIRF.
- The members discussed about different the government and non-government scholarship available for the SC/ST students. It has been decided that, committee members will meet the 1st year students and update them on same by December.

Signature of the members present

Sl	NAME	DESIGNATION	SIGNATURE
1.	(Dr) Sanjay S Pawar	Principal	
2.	Mr. Biswajit Mondal	Asst Professor	
3.	Mr. Chandan Das	Asst Professor	Chandan Das
4.	Mr. Amit Kotal	Asst Professor	Amit Kotal



Mr. Biswajit Mondal
Coordinator
SC/ST CELL, BCREC



PROVISIONAL ACADEMIC CALENDAR (JULY 2023-JUNE 2024) AS PER MAKAUT ACADEMIC CALENDAR 2023-24

MONTH	MON	TUES	WED	THU	FRI	SAT	SUN	ACADEMIC & EXTRA CURRICULAR EVENTS/HOILDAYS
JULY'23						1	2	
	3	4	5	6	7	8	9	
	10	11	12	13	14	15	16	10.07.2023 : COMMENCEMENT OF ODD SEMESTER 2023-24 FOR 2ND,3RD AND 4TH YEAR CLASSES
	17	18	19	20	21	22	23	19.07.2023: WORLD PLASTIC BAG FREE DAY(NSS+NCC) /20.07.2023:RENEWAL OF STUDENTS MEMBERSHIP OF CENTRAL GAMES AND SPORTS COMMITTEE/20.07.2023 -29.07.2023 :ENROLLMENT OF THE STUDENTS OF 2ND , 3RD &4TH YEAR
	24	25	26	27	28	29	30	25.07.2023:EXECUTIVE COUNCIL ELECTION (BREC MUSIC CLUB)/26.07.2023:G-20 SUMMIT (NCC)/29.07.2023:MUHARRAM
	31							
AUG'23		1	2	3	4	5	6	01.08.2023-31.12.2023:MAR UPLOAD FOR ODD SEMESTER
	7	8	9	10	11	12	13	09.07.2023:NSS CHARITY DRIVE/11.08.2023-14.08.2023:SUBMISSION OF CA1
	14	15	16	17	18	19	20	15.08.2023:INDEPENDENCE DAY/16.08.2023:HEALTH CAMP (NSS+NCC)
	21	22	23	24	25	26	27	23.08.2023:WORKSHOP ON WESTERN AND CLASSICAL DANCE FORM
	28	29	30	31				30.08.2023:RAKHI BANDHAN
SEPT'23					1	2	3	01.09.2023:RENEWAL FOR 1ST AND 3RD YEAR STUDENTS (BREC MUSIC CLUB)
	4	5	6	7	8	9	10	05.09.2023:TEACHERS DAY /06.09.2023:JANMASTHAMI
	11	12	13	14	15	16	17	11.09.2023-14.09.2023:SUBMISSION OF CA2 & PCA1/15.09.2023:FRESHERS' WELCOME & ENGINEERS' DAY CELEBRATION
	18	19	20	21	22	23	24	19.09.2023-26.09.2023:SPORTS WEEK FOR INDOOR GAMES & "SPORTS BLASTS"
	25	26	27	28	29	30		27.09.2023:LITERARY CAMPAIGN & TREE PLANTATION /28.09.2023:FATEHA-DWAZ-DAHAM/29.09.2023:WORKSHOP FOR INSTRUMENTAL AND VOCALS
OCT'23							1	
	2	3	4	5	6	7	8	02.10.2023:BIRTHDAY OF GANDHIJ/04.10.2023:SACHHATA AVIJAN
	9	10	11	12	13	14	15	09.10.2023-13.10.2023:SUBMISSION OF CA3/14.10.2023:MAHALAYA
	16	17	18	19	20	21	22	"AGAMANI "-CULTURAL PROGRAM/18.10.2023-29.10.2023:DURGA PUJA AND LAXMI PUJA
	23	24	25	26	27	28	29	
	30	31						
NOV'23			1	2	3	4	5	01.11.2023:AUDITION FOR CULTURAL FEST 2024
	6	7	8	9	10	11	12	06.11.2023-10.11.2023:SUBMISSION OF CA4&PCA2
	13	14	15	16	17	18	19	13.11.2023-19.11.2023:KALI PUJA & BHATRIDIWITIA/17.11.2023-25.11.2023:FORM FILLUP & VERIFICATION FOR ODD SEMESTER EXAM
	20	21	22	23	24	25	26	20.11.2023:CHHATA PUJA/22.11.2023:HOSTEL NIGHT FOR GIRLS/23.11.2023:HOSTEL NIGHT FOR BOYS/24.11.2023:TEACHING END
	27	28	29	30				27.11.2023:GURUNANAK'S BIRTHDAY/28.11.2023-02.12.2023:PRACTICAL SESSIONAL & VIVA & MARKS SUBMISSION
DEC'23					1	2	3	
	4	5	6	7	8	9	10	04.12.2023-22.12.2023:END SEMESTER THEORY EXAMINATION
	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	
	25	26	27	28	29	30	31	25.12.2023:CHRISTMAS DAY/26.12.2023:SEMESTER BREAK



Principal
Dr. B. C. Roy Engineering College
DURGAPUR

PROVISIONAL ACADEMIC CALENDAR (JULY 2023-JUNE 2024) AS PER MAKAUT ACADEMIC CALENDAR 2023-24

MONTH	MON	TUES	WED	THU	FRI	SAT	SUN	ACADEMIC & EXTRA CURRICULAR EVENTS/HOILDAYS
JAN'24	1	2	3	4	5	6	7	02.01.2024 : COMMENCEMENT OF EVEN SEMESTER 2023-24 FOR 1ST , 2ND,3RD AND 4TH YEAR CLASSES
	8	9	10	11	12	13	14	04.01.2024-11.01.2024:ENROLLMENT OF THE STUDENTS OF 1ST , 2ND , 3RD &4TH YEAR/12.01.2024:SWAMI VIVEKANANDA BIRTHDA'
	15	16	17	18	19	20	21	15.01.2024:POLLUTION CONTROL AWARENESS PROGRAM /16.01.2024-19.01.2024:TECH FEST AND CULTURAL FEST 2024
	22	23	24	25	26	27	28	22.01.2024-31.01.2024:OUTDOOR SPORTS WEEK /23.01.2024:BIRTHDAY OF NETAJI SUBHASH CHANDRA BOSE/25.01.2024:AWARENESS CAMPAIGN ON TECHNICAL KNOWLEDGE /26.01.2024:REPUBLIC DAY
	29	30	31					
FRB'24				1	2	3	4	01.02.2024-02.02.2024:ANNUAL SPORTS/01.02.2024-05.02.2024:SUBMISSION OF CA1/01.02.2024-31.05.2024:MAR UPLOAD FOR EVEN SEMESTER
	5	6	7	8	9	10	11	07.02.2024:WORKSHOP ON MUSCICAL CLUB
	12	13	14	15	16	17	18	14.02.2024:SARASWATI PUJA
	19	20	21	22	23	24	25	21.02.2024:WORKSHOP ON MUSCICAL CLUB
	26	27	28	29				28.02.2024:BLOOD DONATION CAMP (NSS+NCC) & SCIENCE DAY CELEBRATION
MARCH' 24					1	2	3	01.03.2024-05.03.2024:SUBMISSION OF CA2&PCA1
	4	5	6	7	8	9	10	08.03.2024:WOMENS DAY CELEBRATION
	11	12	13	14	15	16	17	13.03.2024:GENDER EQUITY +POSHAN PAKHWADA(NSS+NCC)
	18	19	20	21	22	23	24	
	25	26	27	28	29	30	31	25.03.2024-26.03.2024:DOL AND HOLI/27.03.2024:CLEANING OF WATER BODIES(NCC+NSS)/29.03.2024:GOOD FRIDAY
APRIL'24	1	2	3	4	5	6	7	01.04.2024-04.04.2024:SUBMISSION OF CA3
	8	9	10	11	12	13	14	10.04.2024:EID-AL -FITR
	15	16	17	18	19	20	21	15.04.2024:POILA BSAKHA
	22	23	24	25	26	27	28	
	29	30						
MAY'24			1	2	3	4	5	01.05.2024:MAY DAY/01.05.2024-04.05.2024:SUBMISSION OF CA4&PCA2
	6	7	8	9	10	11	12	08.05.2024:RABINDRA JAYANTI /08.05.2024-16.05.2024:FORM FILLUP AND VERIFICATION FOR EVEN SEMESTER EXAMINATION
	13	14	15	16	17	18	19	
	20	21	22	23	24	25	26	22.05.2024:ANTI TOBACCO DAY/22.05.2024-28.05.2024:PRACTICAL ,SESSIONAL AND VIVA VOCE EXAMINATION AND MARKS SUBMISSION
	27	28	29	30	31			28.05.2023:TEACHING END
JUNE'24						1	2	
	3	4	5	6	7	8	9	03.06.2024-22.06.2024:THEORY EXAMINATION FOR EVEN SEMESTER /05.06:2024:WORLD ENVIRONMENT DAY
	10	11	12	13	14	15	16	
	17	18	19	20	21	22	23	17.06.2024:BAKRID/EID-UL-ADHA
	24	25	26	27	28	29	30	26.06.2024:SEMESTER BREAK

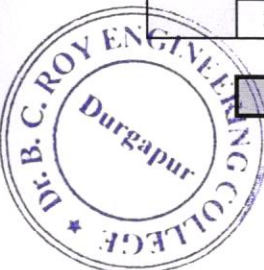
GENERAL HOLIDAY

NI ACT OR MAKAUT OR GOVT HOLIDAY

UNIVERSITY ACTIVITIES

COLLEGE EVENTS

NB:THE SCHEDULE MAY CHANGE ACCORDING TO THE UPDATED NOTIFICATION FROM MAKAUT OR GOVERNMENT FROM TIME TO TIME



Principal
Dr. B. C. Roy Engineering College
 DURGAPUR

DR. B.C ROY ENGINEERING COLLEGE

BEST PRACTICES

Best Practice 1

Career Guidance Training

Objectives of the Practice

In today's ever-changing dynamism, Career Guidance to the students is the most vital aspect of college education so that the students can serve the needs of the ever-changing and dynamic market needs. To choose the right career path based on the interest of the students, BCREC offers education beyond the curriculum and provides career guidance to the students in following aspects.

- 1.Exploring various career options
- 2.Developing self-confidence and self-reliance
3. Creating interest for higher studies
- 4.Promoting entrepreneurship
- 5.Promoting a culture among students for lifelong learning
- 6.Helping students to learn beyond the curriculum

The Context

In today's competitive markets, right path of career choice matching with the potential and the interest is not an easy task for the students. To keep the students career-focused and make them aware about the industry and social needs, career guidance through different training processes beyond the curriculum is most essential. The need of the hour is also to induce a habit among the students for lifelong learning to progress in the career. The challenge is changing the mindset of students to become skilled at how to learn new things and adapt themselves with the latest knowledge and techniques. Career growth culture among students has to be developed and will be of particular importance for ensuring their employability and facilitating their transition from college-level education and internship to face the challenges of the future. Finding the correct resource person for effective guidance (external or in-house) having competencies become more and more important in designing and implementation of this practice.

The Practice

These goals are achieved through the following activities of Training and Placement Department as well as the individual departments of specialization in the Institute:

1. Students are trained on Communication & Presentation Skills (using language lab) imparted by the faculty members of English Department - will have a great advantage in the job market and more choice in the profession.
2. Specific training on technical skills like Aptitude test, Programming skills, etc. is provided to the students by hiring Professional Agency, Co-cubes, Bangalore - The students' aptitudes and abilities measured by verbal and numeric reasoning tests can easily be related to real world tasks and jobs, as many jobs require some degree of skill with words and numbers.

3. Soft Skills Training Program (through institutional membership of British Council) which fall into four categories – (i) Problem Solving Skills (ii) Communication Skills (iii) Personal Qualities and Work Ethics (iv) Interpersonal and Teamwork Skills
4. At the individual department level, Career Guidance is provided to the students to help them explore various career options.
5. Mock Tests, Mock Interviews and Personality Development training program by the Campus T&P team members are held on continuous basis to achieve higher rate of placement.
6. To create awareness about the opportunities / challenges in various engineering / application / management sectors, resource persons from industries are invited to deliver technical talks and to impart knowledge on the current trends and latest technologies. This helps students to provide industry insights making the success rate higher.
7. To make student more enthusiastic and boost their self confidence, alumni are also invited to address them and guide them through the career options.
8. Guidance on competitive examinations e.g. GATE and different public service commission examinations is also given at the department level.
9. Students are encouraged to participate in technical contests, carry out project work, undergo internships and also organize various technical fests and social activities to enhance their knowledge through experience.
10. Seminars/Workshops are organized by individual department/students' chapters in collaboration with renowned industries highlighting the importance of education in the industry are conducted.

Constraints faced during students' career guidance:

There is a serious lack of awareness amongst students, their parents, and even teachers which creates difficulty while giving career guidance. There is a serious mis-match between skill building and available jobs. Awareness of career counseling is really low among the students, this leads to hesitation among the students to venture for career counseling in the first place.

Evidence of Success

The career guidance training has augmented the awareness among the students about the importance of effective communication and has helped them to understand about the need for development of other skills other than the technical knowledge they acquire through their regular classes/ labs and continuous assessments.

The performance of the practice is reflected in the campus placement of the students. The total placement scenario has been changed and the placement percentage has taken an upward trend year-by-year. Moreover, students started understanding that they are to be industry-ready as per the market need and it will create their demand. In the process, a larger section of the students get inclined to jobs of different flavor other than the jobs related to their specific technical skill sets.

To add to this, career guidance is helping the students to understand their inclination towards higher studies and they appear for GATE, CAT, GRE, etc. examinations. Although the success rate is not commendable, however, this kind of preparation makes the students ready for facing tough technical interviews as well their confidence increases many-fold on attempting public service examinations. This is evident from the fact that several students are qualifying for the public service commission examinations just after passing out.

Problems Encountered and Resources Required

The problems encountered in implementing the practice are as follows:

1. Difficulty in motivating students about different flavours of jobs available as per industry demands.
2. Finding out right type of professional agencies who can provide training and skill sets to the students as per market demand.
3. Difficulty in convincing students for regularly attending the training programs by the professional agencies for facing tests/interviews.
4. Difficulty in motivating students for higher studies and public service examinations for which attending classes beyond the regular class hours is a requirement
6. Making the faculty members convinced to deliver beyond the curriculum to prepare the students for competitive examinations.
7. Difficulty in making student understand about the fact the instead of short term goals, long term goals are more effective.

Although there are various problems, the institute has been able to implement the practice effectively through decentralizing the training and placement activities and mobilising its technical and non-technical resources in an efficient manner.

Best Practice 2

Content beyond Curriculum

Objectives of the Practice

The main objective of the practice of **Content beyond Curriculum** is to help students in following aspects.

- i. To groom the students in a progressive environment to become competent professionals.
- ii. To create excellent opportunity for students to acquire necessary skill sets and develops self-confidence / self-reliance to face various competitive and professional examinations for employability.
- iii. To enable the students to learn self-learning, team-building, leadership and management skills, innovation and creativity.
- iv. To diversify the programme contents and to establish greater relevance to socio-economic problems of the Society.

- v. To inculcate democratic, moral, social and spiritual values in the minds of the learners.

The Context

Since the industry is continuously evolving and technology is ever emerging, mere learning the curriculum is insufficient. There is often a mismatch between what is learnt in the institution and the industrial expectations from the graduate engineers. In order to bridge this gap and make students industry-ready, much emphasis is given for teaching **content beyond the regular curriculum** which includes branch specific value added courses with industrial tie up and hands-on placement training. It has become nowadays obvious for the institute that it should create opportunities for the students to inculcate attributes, which are not restricted only to engineering / management knowledge and acumen. Moreover, to cater to the need of the industry, the students require being thorough professionals who can work successfully in teams, who have leadership qualities, who are alive to social and community needs and who can bring innovation and creativity to their work and who are also digitally proficient.

The Practice

While applying for accreditation for NBA in the year 2015, the institute adopted its own methodology for introducing the practice of **content beyond curriculum**. Initially academic contents beyond the curriculum were introduced for four programs which were applying for accreditation during the above time, as non-credit points having some contact hours. Socio-economic contents were imparted through co-curricular and extra-curricular events organized under NSS, NCC, etc. events for all the students.

Starting academic year 2018-2019, institute decided to introduce the choice based credit system (CBCS) following AICTE model curriculum for all B.Tech programs as specified by the university. Under this scheme from the academic year 2018-2019 onwards students became eligible for Honours degree by collecting minimum 20 extra credit points, as per mandate of the University. These additional 20 credits students acquire with online courses (MOOCs) where the rare expertise of world famous experts from academic and industry are available which provide the students with the excellent opportunity for skill set development required for employability. The basket for MOOCs is a dynamic one, as courses keep on updating with time. The credits to be earned over are four years (8+4+4+4).

The institute has also preferred SWAYM-NPTEL for implementing the CBCS as the institute is a NPTEL local chapter. If a student fails to complete the requirement of credit during the specified year he/she is given opportunity to complete the requirement in the next year by choosing from the new basket of courses.

As per Mandatory Additional Requirement (MAR) of the university, a concept of mandatorily accumulating some points through a basket of activities for professional development as well as to inculcate the values in the students has also been introduced from 2019. Faculty mentors constantly monitor participation of the students for different activities (details list of activities with points are included in a separate document). Institute notifies such activities through Activity Calendar and every student is required to earn minimum activity points in addition to the required academic grades.

Constraints of the Practice

1. Committed faculty members are required to clarify doubts of the students participating in MOOCs courses. This requires continuous up gradation of knowledge of faculty through FDP programs.
2. It has been observed that students enmasse generally prefer some particular course; other courses are chosen by a few. Breaking this chain as well motivating the students for different set of courses is quite challenging.
3. Individual counselling and guiding takes time and there was resistance from the faculty. Therefore awareness programmes and training had to be organized for the stakeholders.

Evidence of Success

The practice is successfully implemented through constant monitoring by the MOOCs and MAR coordinators and motivating students by the mentors. Following are some of the achievements:

4. Several students of 2018-2022 batch participated in the soft skill development, ethics and programming skills. The programs wise list of the students is attached in the link.
5. For MAR activities all students are actively participating. Almost all pass-out students of 2019 and 2020 have completed the minimum requirements as specified for by the university.
6. In July-October 2019 NPTEL session (for MAR and CBCS), out of total 952 registered candidates 600 passed successfully (63%) with 11 toppers in different subjects.
7. Felicitation at the institute level is done every year for the successful NPTEL participants having Gold, Elite and Silver tags along with the course toppers. In September 2019, 20 Gold, 147 Elite and 67 Silver tagged candidates are felicitated along with 14 toppers.
8. As a nodal center of NPTEL, the institute has been recognized as an ACTIVE and one of the top 100 local chapters. Rating of the college is “A” which is based on performance in NPTEL Online certification courses in July-October 2019. The rank of this college is also in **TOP 10 among all over the India.**

Problems Encountered and Resources Required

The challenges encountered in implementing the practice are as follows:

1. Being affiliated to a university, students are required to follow the traditional instructional method of learning where exams are given much importance. This makes students lose interest in pursuing online and other value added courses.
2. Motivating students for CBCS is quite difficult. In many cases during the 1st year, students start participation in CBCS, however with further progress of semesters they lose interest in many cases.
3. Individual counselling takes time and the faculty members with their busy schedule for routine theory, laboratory classes as well as other academic activities do not find sufficient time for individual guidance.
4. Although there is a basket of MAR activities, however it is difficult to diversify students for all such activities. It becomes a challenge for the mentors to convince the students that more than the minimum

points will enhance their professional and socio-economic capabilities as it is not linked to credit requirements.

DR. B. C. ROY ENGINEERING COLLEGE

Jemua Road, Fuljhore, Durgapur - 713206,
Dist. - Burdwan (W.B.)

**AUDITED STATEMENT OF ACCOUNTS FOR THE
YEAR ENDED ON 31ST MARCH, 2024
(ASSESSMENT YEAR 2024-25)**



V. N. PUROHIT & CO.
CHARTERED ACCOUNTANTS

KOLKATA | NEW DELHI | HYDERABAD | DURGAPUR



AUDITORS' REPORT

We have audited the attached Balance Sheet of **Dr. B.C. Roy Engineering College** as at March 31st, 2024 and also the Income & Expenditure account for the year ended on that date. These financial statements are the responsibility of the management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in India. Those standards require that we plan and perform our audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting, the amounts and disclosure in financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis of our opinion.

In our opinion and to the best of our information and according to the explanations given to us the said accounts, give the information in the manner so required and gives a true and fair view in conformity with the accounting principles generally accepted in India:

- in the case of the Balance Sheet of the state of the affairs of Dr. B.C. Roy Engineering College as at 31st March, 2024 and
- in the case of the Income & Expenditure of the surplus for the year ended on that date.

Place: Durgapur

Dated: 02.09.2024



For **V. N. PUROHIT & CO.**
Chartered Accountants
Firm Regd No: 304040E

Sugata Ganguly

(SUGATA GANGULY)
Partner
Membership No. 065153