Minutes of the 44th Meeting of the Board of Governors held on 23rd July, 2022 at 11.00 hours at the College Board Room

The 44th meeting of the Board of Governors of Dr. B. C. Roy Engineering College, Durgapur, was held on 23rd July, 2022 at 11.00 AM at the college Board Room.

The meeting was presided over by Prof. (Dr.) Binay K. Dutta, Former Visiting Professor, School of Environmental Science & Engineering, IIT-Kharagpur& Chairman, Board of Governors, Dr. B. C. Roy Engineering College, Durgapur.

Members present:

1	Prof. (Dr.) Binay K. Dutta, Former Visiting Professor, School of Environmental Science & Engineering, IIT-Kharagpur	Chairman
2	Prof. (Dr.) Arup Mukherjee, Professor, Department of Chemical Technology, University of Calcutta, representing MAKAUT.	Member
3	Dr. Dhananjoy Saha, Dy. Director of Technical Education, Directorate of Technical Education, Govt of W.B. representing Director, DTE	Member
4	Prof. (Dr.) Anupam Basu, Director, NIT, Durgapur	Member
5	Prof. (Dr.) Keshab Bhattacharya, Educationist	Member
6	Dr. Aloknath De, Corporate Vice-President, & CTO, Samsung Electronics, Industry Representative	Member
7	Prof. (Dr.) Arup Sinha, Vice President & Utility Head, Virtuoso Consulting & Technology Ltd.	Member
8	Dr. Satyajit Bose, Chairman and Chief Cardiologist, The Mission Hospital&President, BCREC Society	Member
9	Shri T. Bhattacharya, General Secretary, BCREC Society	Member
10	Shri J. Singh, Treasurer, BCREC Society	Member
11	Smt. Mita Mitra, Vice-President, BCREC Society	Member
12	Shri R. Roychowdhury, Asstt. Secretary, BCREC Society	Member
13	Prof.(Dr.) Sanjay S. Pawar, Principal	Member-Secretary
14	Prof.(Dr.) K.M. Hossain, Vice-Principal, Faculty Representative, BCREC	Member
15	Prof.(Dr.) Narendra Nath Pathak, Dean (SW&A) &HoD (ECE), Faculty Representative, BCREC	Member
16	Smt. R. Mitra, Registrar	Invitee Member

| 17 | Shri Atanu Maity, Head (Training and Placement), Kolkata | Invitee Member |

Members Absent (due to pre-occupation):

1	Prof. (Dr.) Swapan Kr. Mondal, Professor, Kalyani Govt. Engg. College Representing Higher Education Dept., Govt. of West Bengal	Member
2	Shri Goutam Dasgupta, Director (Application Development), Capgemini, Industry Representative	Member
3	Regional Officer, AICTE (ER)	Member
4	Prof. (Dr.) Harish Hirani, Director, CSIR-CMERI	Member

At the outset, Prof. (Dr.) Binay K. Dutta, Chairman of the Board of Governors, Dr. B. C. Roy Engineering College, Durgapurwelcomed all the members present in the house and requested all the members to give brief self-introduction. Chairman mentioned that due to pre-occupation he could not attend the previous meeting of the BoG held on 18th December, 2021.

Thereafter the Chairman requested Prof. (Dr.) Sanjay S. Pawar, Principal and Member Secretary, to proceed with the Agenda-wise discussion.

Agenda 44.01:- Confirmation of the minutes of the 43rdBoG meeting held on 18th December, 2021

Minutes of the 43rdBoG meeting placed by Prof. (Dr.) Sanjay S. Pawar, Principal and Member-Secretary, were unanimously accepted and confirmed.

Agenda 44.02:-Action Taken Report (ATR) by the Principal (Member Secretary) as perdecisions of the 43rd BOG Meeting

As per the suggestions in the 43rd Board meeting, the action taken report was presented and was accepted in the meeting with minor corrections.It was also suggested to circulate the Minutes of the meeting to the members within a month of the meeting.

Agenda 44.03:-Report of the Principal on progress of the Institute (Interim period from January, 2022 to July, 2022)

Salient activities and achievements of the Institute during the period from January, 2022 to July, 2022were presented to the Board Members

i) The Institute entered into **NIRF RANKING 2021** (within the band of 201 to 250) for the first time. Member-Secretary mentioned that the Institute will work hard for those parameters where the Institute could not secure good marks and has fixed the target to be within 100 in coming years.

ii) The Institute achieved **NBA ACCREDITATIONS** for another 3(three) UG Engineering programs,**Electrical Engineering, Mechanical Engineering and Information Technology** for 3 years with effect from 2022 to 2025. A totalof 5 (five) UG engineering programs of the Institute now stand as NBA accredited with two otherUG Engineering programs, ECE and CSE re-accredited three times. This also helpedthe Institute to fulfill the AICTE criteria of 75% accreditation of total programs.

The MBA programmeunfortunately could not get accredited; however,the Institute is working to minimize the gaps as per the suggestions given by the NBA Expert team.Planning has already been madefor a separate building for the MBA programme and more attention is being given to improve the research activities to improve the standing for the programme.

iii) The Institute was awarded**Education Excellence Award 2022 in Emerging Technologies by Zee 24 Ghanta** for the year 2021. The Award was given byDr Shashi Panja, Hon. Minister of Women and Child Development and Social Welfare and Shri Manoj Tiwari, Hon. Minister of Sports, Govt of West Bengal. Principal was invited for the Live Interaction with Zee 24 Ghanta team on the day of Award and Vice- Principal was invited for the Panel Discussion.

iv) The Institute could progress towards academic collaboration with foreign universities of repute for professional activities. An exploratory Grant for Going Global (**UK GBP 15000**) of **British Council** was completed by designing the course on "**Sustainable Transformation in Business Practice**" and submitted for approval of the British Council. Project was jointly done with **Anglia Ruskin University (ARU), UK**.
Principal paid a visit to two campuses of the ARU University **a. Cambridge Campus and b. ChelmsfordCampus in UK** to have a discussion on the project proposals on different domains and to explore for another phase of grant. The opportunity of the visit to UK was used to visit the **Cardiff University Campus, Cardiff** for meeting and discussions on **possible tie-up and projects in areas of mutual interest**.

v) The Institute signed two Memoranda of Understanding (MOUs) with tworenowned Organizations –**CSIR-CMERI** and **Capgemini.**

The MoU with, **CSIR-CMERI** will focus on Research Collaboration, Utilization of laboratories, Training and Certificate Programmes and Faculty development Programmes.

The MoU with **Capgemini** will aim at training of the students and skill development like Hackathon for corporate experience and pre-joining training before they start their new journey in the Corporate World. The MoU will further enhance the pool of talent transformation in the field of emerging technologies like **Cloud Infrastructure services and other Technologies.**

vi) The Institute has also signed an MoU with **VITTI AI** for a joint collaboration and formed a Section 8 company with the name "**BCREC Artificial Intellignce and Emerging Technology (BAIET) Foundation**"and has been set-up in the campus for development of AI culture and Interest Group, Digital Transformation in Manufacturing, Setting up High Performance Lab for AIML and AR/VR laboratory, IoT Lab, and hosting developing, training and delivery center for various Industrial projects.

vii) Institute after achieving NAAC accreditation with B+ in September, 2021 submitted the first AQAR for the year 2020-21 successfully within deadline.

viii) The placements for the academic year 2020-21 was satisfactory with highestpackage offered Rs.11.50 lacs p.a. from IBM (single offers - 546 , multiple offers – 370 [Total – 916] during the current year of 2022, irrespective of branches. Thedetail of the breakup with programme is CSE - 238, ECE - 191, IT – 108, EE - 113, IEE – 17, ME - 81, CE - 54, MBA - 80, MCA – 34 [details are placed under the **Agenda 44.05 - Report and Review of Training Placement initiatives].**

ix) Dr. B. C. Roy Engineering College, Durgapur is recognized as an **ACTIVE** and one of the **top 100 active local chapters of NPTEL**.

x) The Institute student team was awarded 3rd position prize among the top finalists in West Bengal in a Hackathon (CTF) of excellence in the field of Cyber Security competing withseveral other top colleges.

xi) The Institute has also been **"SHORTLISTED"** forthe **Grand Finale** of **Smart India Hackathon 2022**organized byMinistry of Education's Innovation Cell (MIC) and the All India Council for Technical Education (AICTE).

2) Activities in Progress and Planning:

i) Following projects are proposed to be carried out through joint collaboration with **BCREC Artificial Intelligence and Emerging Technology (BAIET) Foundation**:

- Projects of PoC from Durgapur Steel Plant, ISP Burnpur, Bhilai Steel Plant in the area of Digital Transformation and Artificial Intelligence.
- Conveyor belt snapping prediction project.
- Bar Counting Mill Project
- Power Grid Tower Activity Detection Project for security of towers – combination of camera and light services to each tower of Power Grid Corporation.
- CSIR Project Proposal for Smart Transportation System (A part of Smart City Project).
- Billet Length Cutting with repository/storage and remote access.
- Training Session for SAIL Executives in the Area of Cyber Security/Digital Transformation/Artificial Intelligence.
- Training Plan for AI in Crime and Police

ii) Activities to be executed through AICTE IDEA Lab:-
- The theme of **AICTE IDEA Lab** is Idea Development, Evaluation and Applications.
- Lab has 3D printer, CNC Router, LASER Cutter, 3D Scanning, and Wood Cutter etc. facilities for which training will be undertaken to the students and professionals.
- Training to external students from neighbouring Schools and Colleges for using various equipments in lab for development of projects and products.
- Skill based training to professionals who are interested in starting business in the area using the equipments in AICTE Lab.
- Entrepreneurial activities of students and staff members of the Institute.

Members suggested that the progress and activities carried out in AICTE IDEA Lab should be reported in each BoG Meeting.

iii) In alignment with the objective of indigenization and promoting skill development for the neighboring areas of our State as per **National Education Policy 2020**, thrust is being given so that students acquire practical knowledge.

iv) Setting up of various **Students Chapters** with National and International Linkages, e.g., IEEE, IE, ACM, CSI, Robotics and Drones, Google Student Developer Club, GIS, IETE, Sports Club, Cultural Club, NSS, NCC etc. to carry out various

professional and non-professional activities to help students for their overall development.

v) In addition to conventional teaching and learning, **Skill-based Training** plan for First/Second/Third year students of all branches for enhancement of professional skills of the students in the area of 5G/6G/AIML, Quantum Computing, Drone and Robotics, Smart Cities, Autonomous vehicles etc. Training will help them to go for professional assignment afterwards.

vi) **Research & Industry Groups (RI)** of 2/3 representatives of faculty members from each department have been formed who are exclusively engaged to give thrust on RI activities. The group is looking after research activities, viz. to encourage faculty members for more publications (single or jointly with the students as well as cross-departmental), project proposal submission jointly with the students and with industry collaboration.

vii) Departments have published **E-Journals and Magazines**[CSE 2, EE-2, CE-1, ME-1] contributed by students and faculties; Mechanical Engineering department has also published a **Departmental Newsletter** with information about the activities/ achievements of the department

viii) **BCREC Engineering Science Transaction (BEST)** [Volume No. 3, Issue No.1]**ISSN No.: 2582-9068** was published on **24th March, 2022**. R&D Cell is looking forward for enlisting BEST Journal under UGC Care list.**91 (approx.) numbers of journal publications** and 12 number of book publications were made by the faculty members during last one year.

ix) A Project on" **Upgradation and Modernization of VLSI Lab (Phase-II**)" to enhance teaching, training & research capabilities in the VLSI domain received the approval of AICTE. A grant amount of Rs 13,87,500/-(Thirteen lakh eighty-seven thousand five hundred only) was sanctioned under the Scheme - AICTE-MODROBs [Regular]. Project Coordinator/s are Prof. (Dr) AlokeSaha& Prof.(Dr) Tribeni Prasad Banerjee of ECE Department.

x) One Project Proposal "**Design and Development of Smart LED Driver IC (2203150108**)" has been submitted to Ministry of Electronics & Information Technology (MeitY) under Chips to Startup (C2S) program on 15th March, 2022. The Project Proposal and the Programme aim to train 85,000 numbers of high-quality

and qualified engineers in the area of Chip Manufacturing Industry in the field of very large-scale integration (VLSI) and Embedded System Design.

xi) Another 30 seats in Mechanical Engineering (ME) program have been reduced in view of poor admission in ME programsfor last few years. Intake capacity of ME stands at 60 from the academic year 2022-23. One new UG program in the emerging area – **Computer Science and Engineering (Data Science)**with an intake of 60 has been introducedwith approval fromthe AICTE and University from the academic year 2022-23.

Following steps have also been taken/will be taken to customize a Standardized System followed by reputed Institutions.

- ❖ A new standardized system proposed at the Institute for keeping process documentation streamlined and ready as required in various accreditations.

- ❖ Various Committees have been re-organized and some new committees are constituted as per norms of Institute Innovation Council (IIC).
- ❖ **Stock VerificationSystem** has been introduced in the departments with a team of 3(three) faculty members (departmental and cross-domain).

- ❖ Academic Audit in each departmentis proposed to be conducted during August, 2022 by the IQAC team.

- ❖ The process of **Promotion/Upgradation of the Faculty Members (According to CAS) following the guidelines of AICTE-API criteria**is in progress.

3) The following routine information was presented to the Board Members.

i) Even Semester classes of 2022 for 2nd, 3rd and 4th year commenced in Physical mode from 1st February, 2022 as per MAKAUT academic calendar.1st semester classes (which started late) started with effect from 16th March, 2022. However, all the classes continued till 4th June, 2022.

ii) Continuous Assessments marks were uploaded in the University Portal as per the timeline provided by the University.

iii) The end-Semester Practical, Sessional, Viva-voce, etc. Examinations were conducted **physically** by the Institute as per the guidelines of MAKAUT from 15th June, 2022 to 20th June, 2022. However, Theory Examinations were conducted by the University **ON-LINE** from 21st June, 2022 to 29th June, 2022.

iv) The semester results of all students of UG and PG courses of Even Semester Examinations 2022 were published next day on 30th June, 2022.

v) Co-curricular and Extra-curricular activities were conducted physically mostly through NSS Cell. MAR marks were uploaded in the University portal as per date line.

vi) Mentoring Activities were also continued physically and marks were uploaded in the portal as per University Notification.

vii) Threefaculty members were awarded Ph.D degrees from reputed Institutions namely **Prof. Pabitra Kumar Mandal (ME), Prof. Sayantan Datta (CE) and Prof. Chandan Pal (EE).**

viii) Series of Webinars/FDPs/Workshop/Seminars were also held in various Departments during the period. Renowned Speakers from Academics and Industry as well as few Alumni who are well-established in reputed places were invited. The above programs were held in both on-line and off-line mode. To name a few -

In collaboration with IEEE Students Branch, two Webinars**"METAMATERIALS AND THEIR APPLICATIONS ENCOMPASSING ASSISTANCE IN MICROWAVE TUBES"** **(**Speaker: Dr N. **PURUSHOTHAMAN,** Postdoctoral Research Fellow at Lancaster University and Ex-Scientist, CSIR-CEERI, Pilani) and **"GYROTRON: BASICS AND TRENDS"**(Speaker: **Prof. (Dr) ING. JOHN JELONNEK,** Director, Das InstitutfürHochleistungsimpuls- und Mikrowellentechnik (IHM) (Institute for Pulsed Power and Microwave Technology) Karlsruhe Institute of Technology, Germany) were conducted by the R&D Cell of the Institute.

A National Workshop on **"DSIR-PRISM Scheme and Proposal writing"** was organized by DSIR-TePP Outreach cum Cluster Innovation Centre (TOCIC), IIT Guwahati.(Speakers:**PROF. DR. ANUPAM BASU**, Director, NIT Durgapur and **DR. RAMANUJ BANERJEE**, Scientist "F" and Member Secretary, DSIR-PRISM & RDI, DSIR, MoST and National Focal Point, India for UN-APCTT).

ix) An **IPR Awareness Program** by NIPAM, Patent office Kolkata, was arranged where the main speaker was Ms. Khusboo Kumari, Examiner of patent and Design, DPIIT, Ministry of Commerce, Govt. of India, an alumnus of BCREC.

x)**Bright Idea Competition** was organized for the student innovators by IIT, Guwahati in association with the R&D Cell to support the students in preparation of models, prototypes etc. as well as funding of in-house student projects. Best 3 groups of students were awarded for their innovative proposals. Third Prize was won by the students in DSIR PRISM students Mentoring category under the mentorship of Prof. Debkanta Chakraborty of CSE Department.

xi) Two 4th year students excelled to receive the fastest course completion award in a **Hackathon (CTF) of excellence in the field of Cyber Security** competing with several other top colleges along with cash prizes.

xii) Prof Krishna Roy of MBA department received the **Silver Global Jury Award 2021** in recognition of evaluating a significant number of student start-up proposals worldwide and guiding future entrepreneurs globally from Wadhwani Foundation on June 2nd, 2022.

xiii) Dr.Shashi Bajaj Mukherjee of Basic Science & Humanities Department was invitedto validate 7 lectures for SWAYAM Online Courses by the AICTE (translation@aicte-india.org).

xiv) **Report on Semester Examinations:** The statistics of the results was presented to the members for the academic year 2021-22. Members noted that the results indicate improvement of the students in pre-final and final years.

xv) **Report on Admission Scenario of 2022:** Members noted that the date of web-based online counseling for admission in the State of West Bengal will be intimated shortly. All-India JEE MAIN Examination was conducted during June 23 – 29, 2022, results of which are yet to be published. However, admission through Lateral Entry has started.

On a query raised by Dy. Director of DTE, the Principal mentioned that in the last year the overall admission (inclusive of UG&PG courses) was 934.Breakup of the figure: B.Tech 1st year - 564 (total), Lateral Entry - 230, M.Tech- 20 and MBA &MCA - 60 each.

Agenda 44.04 : Report on Ragging and Anti-Ragging Measures

Members noted that all precautions have been taken to prevent any ragging in the Institute and hostel premises. Anti-Ragging Committee and Roving Squad consisting of faculty and staff members of the Institute are engaged in anti-ragging duties like

previous pre-pandemic years. To date, no such case of ragging and bullying has been reported except very few stray incidents.

Agenda 44.05 : Report and Review of Training Placement initiatives

The statics and the placement status for the current year was presented to the members. Members noted that in spite of the advent of pandemic round the globe since 2020 affecting the job market/overall economy of the world, the overall Placement scenario was good**with highest package offered Rs.11.50 lakhs per annum**from **IBM. WIPRO** has made a **record offer of203 for the batch of 2021-22**

Members further noted that for the MBA 2022 batch, campus drive started in virtual mode with Berger Paints Ltd. The size of MBA 2022 batch is 59, out of which 49 is already placed. Multiple offers are - 31. Highest Package offered Rs.6.0 lakhs from PWC and Byju's.

During the discussion, the Board Members enquired about the highest, average and lowest package offered to the students. **TPO mentioned that this year the highest package was Rs 11.5 lakhs, lowest was Rs 2.5 lakhs and the average package remained around Rs 3.5 lakhs to 4 lakhs.** President wanted to know how many students received the velocity offers (Rs 6.5 lakhs) of WIPRO.

During the discussion, members also enquired about the numbers of eligible students (department-wise) and number of single offers and multiple offers received by the students. TPO informed that from next meeting, the same information/data will be presented to the members. The data for the current year are as follows:

Placement Summary 2022 Batch						
Sl.No.	Deptt.	No. of Students	Single Offer	Multiple Offer	Total Offer	Placed % (Single Offer)
1	CSE	133	116	69	242	87.22
2	IT	67	58	36	108	86.57
3	ECE	136	106	54	192	77.94
4	EE	130	73	27	115	56.15
5	IEE	14	11	3	17	78.57

6	ME	107	63	17	83	58.88
7	CE	84	46	8	54	54.76
8	MCA- 2019 - 22	20	6	0	6	30.00
9	MCA - 2020 - 22	60	25	7	32	41.67
10	MBA	59	51	23	86	86.44
	TOTAL	810	555	244	935	68.52

It was also pointed out by the members that for the jobs offered by the IT Sectors, a student's soft skill, presentation, and attitude are judged. Since students are coming from different backgrounds, soft skill classes should start from the 1st year itself. Time to time, students of all years should appear for the Mock tests which may be conducted by the Professional Agencies. This way the employability ratio will definitely improve.

Members also wanted to know the Number of outgoing students going for higher education; Member-Secretary informed that 14 students have opted for higher education.

Agenda 44.06Miscellaneous matters with the permission of the Chair

After completion of presentation of the Principal, esteemed Members were requested by the Chairman to put forward their suggestions for overall improvement of the Institute.

Dr. Arup Sinha pointed out that overall placement is promising; however, the training in the form of soft skill classes/business communication classes/on-line tests in the form of psychometry, technical skills, etc. should be conducted in regular manner.

Dr. Aloknath De advised that the faculty members should attend quality FDPs organized by reputed academic Institutions/Industry to enhance their knowledge and teaching skills. He further suggested that faculty members must be encouraged to pursue Ph.Ds.

Dr. Arup Mukherjee suggested that in each and every BoG Meeting, the progress/activities carried out in AICTE IDEA Lab may be placed. He further advised that the Incubation Cell should submit the project proposals and apply for grants which are now offered by various Agencies of the Government. He expressed hope

that engagement of young faculty members as Trainers in the AICTE IDEA Lab would bring motivation in large scale.

Prof. Keshab Bhattacharya suggested that both modes (on-line/off-line) of teachingshould be followed. Add-on courses (preferably on-line courses) must be offered to the students which are to be designed to bridge the gap between curriculum and the requirement of the Industry.

Dr. Anupam Basu suggested that physical mode of teaching cannot be sacrificed for regular classes. However, supplementary classes, i.e. Add-on courses may be taught on-line from the 1st year itself. He further suggested that final semester students can be offered internship for the whole semester so that the students will get accustomed with the environment of the Industry and learn practical skills.

Prof. Basu further suggested that value system amongst the students nowadays is totally absent; as such value education must be introduced.

Chairman suggested the following actions inorder to achieve excellence in all respect and for the future growth of the Institute:

(i) Introduction of **BCREC Distinguished Lecture Series** where resource- persons from Industry/Academia should be invited. The above lecture series will be highly enriching in imparting valuable knowledge to the faculty members as well as the students of the Institute.

(ii) **Development of Solid Waste management and Compost**: the kitchen wastes which are degradable could be collected and composted in the gardens of the campus. The waste reduction, reuse and composting will reduce environmental pollution.

(iii) **Installation of few more Solar Panels** would help the Institute to make the campus pollution free and power storage experience.

(iv) Introduction of **Best Hostel, Best Department, Best Outgoing Student, BestSupporting Staff Awards in a year/semester** will motivate all concerned to rejuvenate themselves to give their best to the institute. Guidelines should be framed and may be implemented from the academic year of 2022-23.

(v) **Alumni Association should be revived** from its defunct status and made fully functional. Since the Institute is 22 years old, the distinguished Alumni can contribute a lot for the best interest of the Institute.

(vi) **Social Services through NSS activities** should be strengthened; students should be involved in various activities so that they should be able to contribute for the Society. He suggested that additional courses coupled with films, adopting nearby villages will help the students to understand the Indian value system.

(vii) **Theme-based Conference or Workshop** must be organized by each department at least once in a year.

(viii) **Identification of bright students in the departments** inclined towards research activities would help to enhance the joint research publications by the faculty members and the students.

(ix) **Planning for the overall growth of the Institute should be made at least for 2 years in advance** and the plan should be followed whole heartedly.

(x) Implementation of above suggestions and the overall progress may be informed to the members of the BoG.

The meeting ended with a vote of thanks to the Chair and the Members present.

Hon'ble members may kindly note that the Institute has beenselected as one of the **Nodal Centres** forthe **Grand Finale** of **Smart India Hackathon 2022** among 75 reputed Institutes all-over India byMinistry of Education's Innovation Cell (MIC) and the All India Council for Technical Education (AICTE). The **SIH-2022** will be held in BCREC campus during August 25-26, 2022 for which the preparation is under full swing.

Prof. (Dr.) Binay K. Dutta,
Chairman of the Board of Governors of
Dr. B.C. Roy Engineering College, Durgapur
& Former Visiting Professor,
Dr. B.C. Roy Engg. School of
Env. Science & Engineering,
IIT- Kharagpur

Prof. (Dr) Sanjay S. Pawar
Principal, Dr. B.C.Roy Engg.
College, Durgapur &
Member-Secretary of the
Board of Governors,
Dr. B.C. Roy Engg. College,
Durgapur

Minutes of the 43rd Meeting of the Board of Governors held on 18th December, 2021 at 11.00 hours at the College Board Room

The 43rd meeting of the Board of Governors of Dr. B. C. Roy Engineering College, Durgapur, was held on 18th December, 2021 at 11.00 AM at the college Board Room.

The meeting was presided over by Prof. (Dr.) Swapan Kr. Mondal, Professor, Kalyani Govt. Engg. College representing Higher Education Dept., Govt. of West Bengal as Pro-tem Chairman, Board of Governors, Dr. B. C. Roy Engineering College, Durgapur.

Members present:

1	Prof. (Dr.) Swapan Kr. Mondal, Professor, Kalyani Govt. Engg. College Representing Higher Education Dept., Govt. of West Bengal	Pro-tem Chairman
2	Prof. (Dr.) Arup Mukherjee, Professor, Department of Chemical Technology, University of Calcutta, representing MAKAUT.	Member
3	Prof. (Dr.) Harish Hirani, Director, CSIR-CMERI	Member
4	Prof. (Dr.) Nilotpal Bhattacharya, representing Director, NIT, Durgapur	Member
5	Prof. (Dr.) Keshab Bhattacharya, Educationist	Member
6	Dr. Aloknath De, Corporate Vice-President, & CTO, Samsung Electronics, Industry Representative	Member (on-line)
7	Shri Goutam Dasgupta, Director (Application Development), Capgemini, Industry Representative	Member
8	Prof. (Dr.) Arup Sinha, Vice President & Utility Head, Virtuoso Consulting & Technology Ltd.	Member
9	Dr. Satyajit Bose, Chairman and Chief Cardiologist, The Mission Hostpital & President, BCREC Society	Member
10	Shri T. Bhattacharya, General Secretary, BCREC Society	Member
11	Shri J. Singh, Treasurer, BCREC Society	Member
12	Smt. Mita Mitra, Vice-President, BCREC Society	Member
13	Shri R. Roychowdhury, Asstt. Secretary, BCREC Society	Member
14	Shri N. Sikdar, Member, BCREC Society	Member
15	Prof.(Dr.) Sanjay S. Pawar, Principal	Member-Secretary
16	Prof.(Dr.) K.M. Hossain, Vice-Principal, Faculty Representative, BCREC	Member
17	Prof.(Dr.) Narendra Nath Pathak, Dean (SW&A) & HoD (ECE), Faculty Representative, BCREC	Member
18	Smt. R. Mitra, Registrar	Invitee Member

19	Shri Atanu Maity, Head (Training and Placement), Kolkata	Invitee Member

Members Absent due to pre-occupation:

1	Prof. (Dr.) Binay K. Dutta, Former Visiting Professor, School of Environmental Science & Engineering, IIT-Kharagpur	Chairman
2	Director of Technical Education, Directorate of Technical Education, Govt of W.B. representing Director, DTE	Member
3	Regional Officer, AICTE (ER)	Member

At the outset, Shri Tarun Bhattacharya, General Secretary of Dr. B. C. Roy Engineering College Society proposed the name of Prof. (Dr.) Swapan Kr. Mondal to act as Pro-tem Chairman of the 43rd BOG Meeting in absence of Prof. (Dr.) Binay K. Dutta**.**

Prof. (Dr.) Swapan Kr. Mondal, Pro-tem Chairman of Board of Governors, Dr. B. C. Roy Engineering College, Durgapur, thereafter welcomed all the members present in the house.

Dr. Satyajit Bose, President of the Society thereafter introduced **Prof. (Dr.) Sanjay S. Pawar**, the former Principal of UMIT, SNDT Women's University, Mumbai, as new **Principal** of Dr. B. C. Roy Engineering College, Durgapur who has taken over the charge with effect from 1st December, 2021.

Board members welcomed Prof. (Dr.) Sanjay S. Pawar as new Principal of Dr. B. C. Roy Engineering College, Durgapur.

Chairman and Board members also welcomed Prof. (Dr.) K. M. Hossain who has been appointed as **Vice-Principal** of the institute and nominated as new Faculty Representative.

Thereafter the Chairman requested Prof. (Dr.) Sanjay S. Pawar, Principal and Member Secretary, to proceed with the agenda-wise discussion of the meeting and adopting of resolutions thereupon:

Agenda 43.01:- **Confirmation of the minutes of the 42nd BOG meeting held on 30th January, 2021**

Resolutions:- Minutes of the 42nd BOG meeting proposed by Prof. (Dr.) Sanjay S. Pawar, Principal and the Member-Secretary and seconded by Prof. (Dr.) Swapan Kr. Mondal, Pro-tem Chairman was unanimously accepted and confirmed.

Agenda 43.02:- **Action Taken Report (ATR) by the Principal (Member Secretary) as per decision of 42nd BOG Meeting**

Resolutions:- As per the suggestions in 42nd Board meeting, the action taken report was presented and was accepted in the meeting.

In addition to this, Prof. Arup Mukherjee suggested that base and activities of alumni can be strengthened further, to generate more employment opportunities for core sector engineering students – Mechanical, Civil and Electrical Engineering. He also appreciated the initiatives planned by the institute for GATE coaching and soft skill trainings to bring professional approach among the students.

Agenda 43.03:- **Report of the Principal on progress of the institute (Interim period from February, 2021 to November, 2021)**

Resolutions:- **Following information were presented to the Board Members.**

1) Due to pandemic, the Odd Semester 2020 classes were stretched and continued through online/virtual mode till 31st March, 2021.

2) Odd Semester Theory Examination 2020 of the University for all UG and PG courses were conducted during 12th March, 2021 to 26th March, 2021 following the same procedure of **Alternate Evaluation Process** and the semester results were published on 15/04/2021.

3) Even Semester classes commenced from 13/04/2021 and continued till 31st August, 2021 with good percentage of students' on-line attendance. The Continuous Assessments (CA-1,CA-2,CA-3 & CA-4 and PCA-1 & PCA-2) were made following the criteria of **Alternate Evaluation Methods.**

4) The end-Semester Examination was conducted during 09/08/2021 to 21/08/2021 and the semester results were published in September, 2021.

5) After a break of few days, the college started its virtual classes for Odd Semester 2021 from 14/09/2021. The **Virtual Orientation Programme** followed by the **Virtual Induction Programme** took place for the new batch of students for the year 2021-22 on 21st September, 2021. Virtual theory and lab classes for the 1st semester students started from 22nd September, 2021.

6) Institute was opened **phase-wise from 16th November, 2021** for the students, in pursuance to the State Government Notification Memo No. 1058- Edn (CS)/10M- 32/2021 dated 28th October, 2021**.** Lab classes for all the years commenced in **physical mode** from 16th November, 2021 maintaining all Covid protocols and theory classes for 1st, 2nd and 3rd year were continued in virtual mode. However, all the students attending college **in physical mode** were advised to produce the double vaccination certificate.

7) Marks of continuous assessments were uploaded in the University Portal as per the date line for 1st year and other years.

8) Extra-curricular activities like Virtual Grooming Classes on (a) Basic English (b) Mock Interview (c) GD and (d) Yoga have been organized during the period under review as part of MAR activities and based on which marks were awarded and uploaded on the portal of the University. Alumni came forward to share their experiences and expertise to the present batches through webinars.

9) The mentoring activities of the faculty members and interactions with mentees were made through WhatsApp/Google Meet twice in a month to provide counseling.

10) The MOOCs activities of the students were carried out through participation in the NPTEL examination; in all-India levels, there were 13 toppers among the students in the institute.

11) The sixth issue of BCREC Newsletter (Vol.4, Issue-II) will be published depicting all the important events/programs held from April, 2021 to September, 2021 shortly.

12) The submission of application for participation in the National Institutional Ranking Framework (NIRF) by end-January, 2022. BOG further noted that the institute has taken initiatives to improve publications of faculty members as well as placement of the students to score well in criterions like **Research and Professional Practice and Graduation Outcomes.**

13) The second issue of academic journal of BCREC "***BEST"*** will be published shortly and R&D Cell has taken initiative for enlisting BEST Journal under UGC Care list. **106 (approx.) numbers of journal publications** and 11 numbers of book publications were made by the faculty members during last one year. **2 (two) Patents** were also filed during this period. Several faculty members were recognized as Research Supervisors by various Universities/Organizations.

Principal mentioned that he would constitute a **Research & Industry Group (RI)** consisting of 2/3 representatives of faculty members from each department who would be exclusively engaged to give thrust on RI activities. The group will look after research activities, viz. to encourage faculty members for more publications (single or jointly with the students as well as cross-departmental), submission of project proposals and collaboration with industries. He further mentioned that thought process would start from the 1st year students and by the end of 3rd/4th year, the outcome would be - good proposals/publications from the students. Principal also stated that out of 175 faculty members, more than 70 faculty

members are having Ph.D degrees; as such he is hopeful about collaborative research in future.

14) Members appreciated the hosting of a large number of prominent webinars/events during the pandemic period of COVID 19 wherein renowned academicians and industry personnel all over the globe participated and imparted their knowledge and experiences to the students. BOG also appreciated that institute organized 6 theme-based webinars on various subjects at institute level on completion of one year of Transformative Reforms under **New Education Policy (NEP) 2020**.

15) **Memorandum of Understandings (MoUs)** between Dr. B. C. Roy Engineering College, Durgapur (BCREC) and following other agencies were signed during the period.

i. M/s EdGate Technologies Pvt. Ltd, Bangalore executed on 21st August, 2021
ii. Indian Institute of Technology, Kharagpur.
iii. British Council Grant of UKL 15,000 towards conduct of Global Partnership Course with ARU, United Kingdom: Anglia Ruskin University as the lead University, November, 2021.

16) "**Zee 24 Ghanta Education Excellence Award**" was bestowed on BCREC for three consecutive years in 2019, 2020 and 2021.

17) Institute was in TOP **10 among all over the India** in NPTEL online certification courses and one of the top 100 local chapters.

18) Members appreciated the research endeavour of 13 nos. faculty members of the institute whose names have been included in the global list of scientists (AD Scientific Index 2021)

19) Members congratulated 10 (ten) faculty members who were awarded with Ph.D degrees from reputed institutions like IIEST, NIT-Durgapur during the period under review.

20) BCREC students participated in **IEEE Technova** at CMRIT, Bangalore and members congratulated for their win in such big technical competition.

21) Institute established **AICTE IDEA LAB** at a project cost of Rs 78.99 lakhs for imparting 21st century skills among the schools in neighbouring areas as well as to improve the employability of the students of the institute.

22) Institute was selected for **Leadership In Teaching Excellence (LITE) Programme** to act as AICTE Brand Ambassador of Change for teaching modern computer engineering knowledge to 24 million children and lead them to the domains of entrepreneurship instead of paid employment.

23) Institute has been selected as **top 3 institutes in Secure Bengal-2021,** a **Learning & Hackathon Challenge** conducted by NASSCOM in association with Cyber Security Center of Excellence, Dept. of IT, Govt. of West Bengal.

Agenda 43.04:- **Status of NBA Accreditations**

Resolutions : Members were updated with the information that NBA expert team proposed visit during January 7-9, 2022 in connection with accreditation for three UG programs, viz. Information Technology **(IT),** Mechanical Engineering **(ME),** Electrical Engineering **(EE)** and for one PG program, Master of Business Administration **(MBA)**.

Agenda 43.05:- **Status of NAAC Accreditations**

Resolutions:- Institute has been successfully **ACCREDITED** with a **CGPA** of **2.72** on a seven point scale at **B+ Grade** valid for a period of **5 years** effective from **13-09-2021**. Members also approved the submission of AQAR data/documents and issued a certificate in this regard, which is a statutory requirement.

Agenda Item 43.06 : **Report on Semester Examinations**

Resolutions:- The statistics of the results was presented to the members for the academic year 2020-21 and members noted that the results indicate improvement of the students in pre-final and final years.

Agenda 43.07 : **Report on Admission Scenario of 2021**

Resolutions:- The statistics of the admission status for the academic year 2021-22 was presented and the members noted and appreciated that B.Tech 1st year admission of 2021 stands at 934 in comparison to previous year's admission of 655.

Members noted that B.Tech in AEIE Program has been closed and 30 seats in ME program have been reduced. Two new UG programs, **Computer Science & Design (CSD)** with an intake of 60 and **Artificial Intelligence & Machine Learning (AIML)** with an intake of 30 have also been introduced with approval from the AICTE and MAKAUT from the year 2021-22.

Agenda 43.08 : **Report on Ragging and Anti-Ragging Measures**

Resolutions:- Updates were provided to the members about the Anti-Ragging measures undertaken for prevention of "**Ragging**" in the campus. There was no case of ragging inside and outside the campus due to absence of the students in the campus and surrounding areas due to pandemic Covid 19.

Anti-Ragging Committee and Roving Squad of the institute are engaged in anti-ragging duties from 16th November, 2021 since the institute reopened after a long recess due to pandemic.

Agenda 43.09 : Report and Review of Training Placement initiatives

Resolutions:- The statistics and the placement status for the current year were presented to the members. Members noted that despite global pandemic situation which has badly affected the job market, record number of students were placed from the 2021 pass-out B.Tech batch.

Members noted that placement for 2022 B.Tech and MCA batch started through virtual mode like previous years. The break-up of students selected in the major IT MNCs is Capgemini - 100, Wipro – 150, TCS – 51, Persistent Systems – 58.

Members further noted that MBA 2022 batch campus drive started in virtual mode with Berger Paints Ltd. The size of MBA 2022 batch is 60, out of which 14 were already placed.

Agenda 43.10   Miscellaneous matters with the permission of the chair

Resolutions:- After completion of presentation of the Principal, esteemed members were requested by the chairman to put up their suggestions for overall improvement of the institute.

Prof. Harish Hirani pointed out following points –

(i)   In the BOG meeting, future action plan should be submitted.

(ii)   Students should be motivated always that they are the backbone of the society and with the engineering knowledge they should be able to contribute for the society.

(iii)   Additionally, parents/guardians should be counseled about the prospects of each engineering course so that admissions in core branches also improve.

(iv)   Institute should put all endeavour to achieve NIRF ranking to progress further.

(v)   Parents/Guardians' meet should be held at least once in a semester for interaction with the teachers and students' representatives to improve the teaching-learning process.

Dr. Alok Nath De who participated in the meeting on virtual platform suggested that NIRF ranking, association with IEEE, new Principal's expertise on 5G will definitely give a new direction to the institute.

Dr. Arup Sinha pointed out that good quality UG teaching must be the priority since it is the backbone of an institute along with emphasis on research activities.

Prof. Nilotpal Bhattacharya pointed out that for NBA and NAAC accreditation and NIRF ranking, various academic and extra-curricular activities are to be conducted through-out the year and data/information to be preserved nicely which are to be presented in a befitting manner before such bodies. He further added that faculty members must be encouraged for good publications in SCI, Scopus journals for obtaining good marks with regard to accreditation.

At the end, Chairman suggested that the institute should try to implement the above suggestions/guidelines in various areas **in order to achieve excellence in academics** of the institute and particularly **to sustain in today's competitive world**.

The meeting ended with a vote of thanks to the chair and the members present.

Prof. (Dr.) Swapan Kumar Mondal
Pro-tem Chairman of the Board of
Governors of the Dr. B.C.Roy Engg
College, Durgapur &
& Professor, Kalyani Govt. Engg. College

Prof. (Dr) Sanjay S. Pawar
Principal, Dr. B.C.Roy Engg
College, Durgapur &
Member-Secretary of the Board of
Governors, Dr.B.C.Roy Engg
College, Durgapur

Members present:

Sl. No	Names of the BoG members	Designation
1	Prof. (Dr.) Binay K. Dutta, Former Visiting Professor, School of Environmental Science & Engineering, IIT-Kharagpur	Chairman
2	Prof. (Dr.) Arup Mukherjee, Professor, Department of Chemical Technology, University of Calcutta, representing MAKAUT.	Member
3	Dr. Dhananjoy Saha, Dy. Director of Technical Education, Directorate of Technical Education, Govt of W.B. representing Director, DTE	Member
4	Prof. (Dr.) Anupam Basu, Director, NIT, Durgapur	Member
5	Prof. (Dr.) Keshab Bhattacharya, Educationist	Member
6	Dr. Aloknath De, Corporate Vice-President, & CTO, Samsung Electronics, Industry Representative	Member (on-line)
7	Prof. (Dr.) Arup Sinha, Vice President & Utility Head, Virtuoso Consulting & Technology Ltd.	Member
8	Dr. Satyajit Bose, Chairman and Chief Cardiologist, The Mission Hostpital & President, BCREC Society	Member
9	Shri T. Bhattacharya, General Secretary, BCREC Society	Member
10	Shri J. Singh, Treasurer, BCREC Society	Member
11	Smt. Mita Mitra, Vice-President, BCREC Society	Member
12	Shri R. Roychowdhury, Asstt. Secretary, BCREC Society	Member
13	Shri N. Sikdar, Member, BCREC Society	Member
14	Prof.(Dr.) Sanjay S. Pawar, Principal	Member-Secretary
15	Prof.(Dr.) K.M. Hossain, Vice-Principal, Faculty Representative, BCREC	Member
16	Prof.(Dr.) Narendra Nath Pathak, Dean (SW&A) & HoD (ECE), Faculty Representative, BCREC	Member
17	Smt. R. Mitra, Registrar	Invitee Member
18	Shri Atanu Maity, Head (Training and Placement), Kolkata	Invitee Member