

DR. B.C.ROY ENGINEERING COLLEGE, DURGAPUR

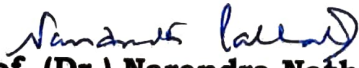
BCR/PR/ /2021

July 30, 2021

NOTICE

This is for information to all concerned that Re-structuring of IQAC Cell has been made with inclusion of new personnel in the meeting held on 30/07/2021 and the present structure of IQAC of Dr. B. C. Roy Engineering College, Durgapur, is as follows:

Sl. No.	Name	Designation in IQAC
1.	Shri Tarun Bhattacharya, General Secretary, BCREC Society	Management
2.	Prof. (Dr.) Narendra Nath Pathak, Principal	Chairperson
3.	Dr. Sanjay Sengupta, HoD, Civil Engineering	Coordinator
4.	Smt. Ruma Mitra, Registrar	Member
5.	Dr. Aloke Kahali, Head (Administration)	Member
6.	Commdr. (Retd.) Ratnakar Ghosh, Campus Administrator	Member
7.	Shri Rajesh Chatterjee, Sr. Manager (Admn.)	Member
8.	Shri Ravi Sharma, Sr. Manager (Finance)	Member
9.	Prof. (Dr.) K. M. Hossain, Dean (Academics)	Member
10.	Prof. (Dr.) Chandan Chattoraj, Mechanical Engineering	Member
11.	Prof. (Dr.) Chandan Koner, HoD (CSE)	Member
12.	Prof. (Dr.) Somroop Siddhanta, HoD (MBA)	Member
13.	Dr. Jayanta Pal, HoD, Basic Science & Humanities	Member
14.	Dr. Pabitra Kumar Dey, HoD (MCA)	Member
15.	Dr. Mrinmoy Chakraborty, Electronics & Communication Engineering	Member
16.	Dr. G.S. Mitra Thakur, Information Technology	Member
17.	Dr. Anirban Bose, Computer Science & Engineering	Member
18.	Prof. Arijit Kumar Banerjee, Civil Engineering	Member
19.	Prof. Mou Das Mahapatra, Asstt. Professor, EE, BCREC & Member Alumni Association	Member
20.	Mr. Abhijit Shyam, Entrepreneur, President, Alumni Association, BCREC	Member
21.	Shri Sanjay Jha, HR Manager, Neo Metaliks	Member
22.	Shri Sujit Kumar Pal, Personnel Manager, GE India Power	Member


Prof. (Dr.) Narendra Nath Pathak
Principal
Dr. B.C. Roy Engineering College, Durgapur



Copy to: General Secretary...for kind information
All concerned

Re-structuring of IQAC Cell was made with inclusion of new personnel and change of designation of existing members in the meeting held on 28/02/2020 and the **present structure of IQAC is as follows:**

Sl. No.	Name	Designation
1	Shri Tarun Bhattacharya, General Secretary, BCREC Society	Management
2	Prof.(Dr.) Pijush Pal Roy, Director	Chairperson
3	Prof. (Dr.) Sanjay Sengupta, HoD, Civil Engineering	Coordinator
4	Smt. Ruma Mitra, Registrar	Member
5	Dr. Aloke Kahali, Head (Administration)	Member
6	Commdr.(Retd.) Ratnakar Ghosh, Campus Administrator	Member
7	Shri Rajesh Chatterjee, Sr. Manager (Admn.)	Member
8	Shri Ravi Sharma, Sr. Manager (Finance)	Member
9	Prof. (Dr.) Chandan Chatteraj, Dean(Academics)	Member
10	Prof. (Dr.) Narendra Nath Pathak, Dean (SW & A)	Member
11	Prof. (Dr.) Chandan Koner, HoD (CSE)	Member
12	Prof. (Dr.) Rajib Roy, HoD (MBA)	Member
13	Prof. (Dr.) Jayanta Pal, HoD, Basic Science & Humanities	Member
14	Prof. (Dr.) Pabitra Kumar Dey, HoD (MCA)	Member
15	Prof. (Dr.) Debaprasad Mukherjee	Member
16	Prof. Anirban Bose, Instrumentation & Electronics	Member
17	Prof. Arijit Kumar Banerjee, Civil Engineering	Member
18	Prof. Mou Das Mahapatra, Asstt. Professor, EE, BCREC	Member
19	Shri Abhijit Shyam, Entrepreneur, President, Alumni Association, BCREC	Member
20	Shri Sanjay Saha, HR Manager, Neo Metaliks	Member
21	Shri Sujit Kumar Pal, Personnel Manager, GE India Power	Member

Plan of Action:

- To conduct the meeting at the beginning of each semester (Twice in a year)
- Prime agenda of the meeting would be review based planning of academic policies for the sustainable growth of the Institute
- To develop a monitoring system for quality assurance of the policies

Academic Activities

- To organize an interactive session with faculty members following the guidelines given by Governing Body, College Academic Council (CAC) and Departmental Academic Council (DAC) to strengthen the Teaching Learning process.
- Preparation and release of guidelines regarding all Academic activities before the commencement of Semester
- Preparation of list of faculty mentors at Department level and distribution of mentoring registers along with guidelines to follow




Pijush Pal Roy
 DIRECTOR
 Dr. B. C. Roy Engineering College
 DURGAPUR

DR. B.C.ROY ENGINEERING COLLEGE, DURGAPUR

BCR/PR/ /2018

June 08, 2018

NOTICE

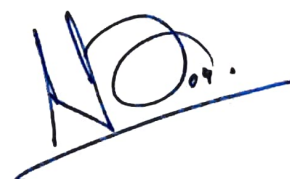
This is for information of all concerned that Dr. B. C. Roy Engineering College, Durgapur, will be applying for NAAC accreditation at the earliest. Formation of **Internal Quality Assurance Cell (IQAC)** is a requirement to enhance the quality of higher education as per the guidelines of NAAC. Since quality enhancement is a continuous process, the IQAC will become a part of the system and procedure of the college henceforth. **The prime task of the IQAC will be development of a system for conscious, consistent and catalytic improvement in the overall performance of the college.**

The following committee is being constituted as per structure of NAAC and the committee will monitor and coordinate the activities of Internal Quality Assurance Cell (IQAC).

- 1. Chairperson: Head of the Institution** - Prof.(Dr.) Pijush Pal Roy, Director
- 2. A few senior administrative officers** – Ms. Ruma Mitra, Registrar, Mr. Aloke Kahali, Head (Admn), Mr. Rajesh Chatterjee, Manager (Administration), Mr. Ravi Sharma, Manager (Finance)
- 3. Three to eight teachers** - Prof. (Dr). D. P. Mukherjee, IT, Prof. (Dr.) Chandan Chatteraj, ME, Prof. (Dr.) N. N. Pathak, ECE, Prof. (Dr.) Chandan Koner, CSE, Prof. (Dr.) Rajib Roy, MBA, Prof. (Dr.) Jayanta Pal, BSH, Prof. Anirban Bose, AEIE, Prof. Pabitra Kumar Dey, MCA, Prof. Arijit Kumar Banerjee, CE
- 4. One member from the Management** – Mr. Tarun Bhattacharya
- 5. One/two nominees from local society, Students and Alumni** – Prof. Mou Das Mahapatra, Asstt. Professor, EE, BCREC and Mr. Abhijit Shyam, Entrepreneur, President, Alumni Association, BCREC
- 6. One/two nominees from Employers /Industrialists/stakeholders** – Mr. Sanjay Jha, HR Manager, Neo Metaliks and Mr. Sujit Kumar Pal, Personnel Manager, GE India Power
- 7. One of the senior teachers as the coordinator/Director of the IQAC** - Prof. Sanjay Sengupta, CE

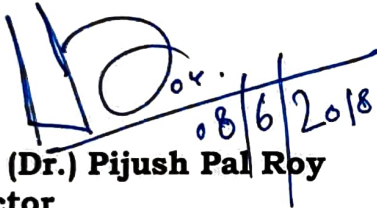
Some of the functions of the IQAC will be:

- Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process
- Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes
- Dissemination of information on various quality parameters of higher education



- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles
- Documentation of the various programmes/activities leading to quality improvement
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices
- Development and maintenance of institutional database through MIS for the purpose of maintaining/enhancing the institutional quality
- Development of Quality Culture in the institution
- Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC to be submitted to NAAC post-accreditation.

It is expected that formation of IQAC will facilitate/contribute to the enhancement and coordination among various activities of the institution and institutionalize all good practices. Moreover, it will build an organized methodology of documentation and internal communication to improve institutional functioning.



Prof. (Dr.) Pijush Pal Roy
Director
Dr. B.C. Roy Engineering College, Durgapur

Copy to: General Secretary...for kind information
All HODs/Incharges
Registrar
Head-Administration
Proctor
Manager (Finance)
Manager (Admn.)



Agenda of the Fifth IQAC meeting (IQAC_5) to be held on 14th November 2020

1. Action Taken Report on decisions of previous meeting :
 - ATR 4/2 - Detailed Agenda Item No. 5/6 placed below for **NAAC Accreditation status**
 - ATR 4/3 – Detailed Agenda Item No. 5/4 placed below for **Focus on Teaching-Learning Process during Locked-down period**
 - ATR 4/3 – Detailed Agenda Item No. 5/7 & 5/8 on **Reaccreditation of NBA and initiatives for NIRF Application in 2021**
 - ATR 4/5 – **Placement activities/initiatives of T&P Cell** placed in Agenda Item No. 5/12
 - ATR 4/6 - **Activities to encourage Research** placed in Agenda Item No. 5/13
 - ATR 4/7 - Effective Teaching Learning enhancement Programmes for the Faculty Member as well as the students placed in Agenda Item No. 5/14
 - ATR 4/11 – **Proposed Virtual Alumni Meet** placed in Agenda Item No. 5/20
 - ATR 4/12 – **Various Social Initiatives** placed in Agenda Item No. 5/16
 - ATR 4/13 – **Environmental Initiatives** placed in Agenda Item No. 5/17
2. Confirmation of Minutes of previous meeting
3. Continuation of Function of Dr. B. C. Roy Engineering College, Durgapur amidst outbreak of COVID 19
4. Focus on Teaching-Learning Process during Locked-down period during rest of the period of Even Semester Classes of 2020 and from the beginning of Odd Semester classes of 2020
5. Discussion on Conduct of Even Semester Examination 2020 during the Pandemic COVID-19
6. Discussion and review on submission of NAAC SSR as per deadline
 - Keeping the students ready to face online survey for SSS by NAAC
 - Academic-Administrative Audit – Preparation for NAAC
7. Discussion on the progress of NBA Accreditation status
8. Discussion on the Application on NIRF Ranking in 2021
9. Zee 24 Ghanta Education Excellence Award, 2020 won by BCREC Group
10. Best Student Award 2020
11. Collaboration with CMC, Cambridge, UK to make the BCREC students global-ready and to enhance academic excellence
12. Placement Activities –
 - Placement Status/Initiatives undertaken by T&P Cell
 - Soft Skills Training for all students
 - Industrial Training for Civil Engineering Students
13. Research Initiatives:
 - On-line Journal Publication
 - Organization of Webinars during the pandemic period to improve research quality
 - Book Publication
14. Effective Teaching Learning enhancement Programmes for the Faculty Members as well as the students



- On-line FDP held on Mentoring Pedagogy and Teaching for Higher Education.
 - On-Line FDP on Moodle and ICT based Learning Management System (LMS)
 - Teaching and Learning Skill Development
15. Various events organized on virtual platform through WEBINARS during the pandemic COVID 19 organized by several departments -
- Computer Science & Engineering
 - Electrical Engineering
 - Mechanical Engineering
 - Electronics & Communication Engineering
 - Instrumentation & Electronics Engineering
 - Civil Engineering
 - Master of Business Administration
16. Social Initiatives:
- BCREC Campaign against COVID 19
 - National Service Scheme (NSS) activities
 - Observance of 74th Independence Day of the Nation
 - Celebration of Birth Anniversary of Dr. Bidhan Chandra Roy
 - MoU between BCREC and NHAJ under the ambit of CSR
17. Environmental Initiative :
- Celebration of World Environment Day
 - Webinar on Save Environment in World Environment Day
18. E-Journal published by the students of three departments –
- Computer Science & Engineering Department,
 - Electrical Engineering Department and
 - Mechanical Engineering Department
19. Publication of Fifth Issue of Newsletter
20. Interaction with Alumni by Dean (Students' Welfare & Alumni)
21. Awards/Felicitation bestowed upon the College and faculty members:
- Best Certified Count Improvement conferred by SWAYAM-NPTEL
 - Award of Ph.D degrees

Sanjay Sengupta
Prof. (Dr.) Sanjay Sengupta
 Coordinator, IQAC Cell

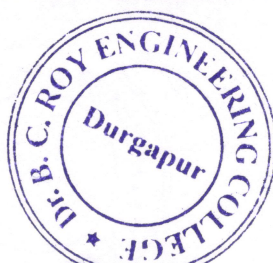


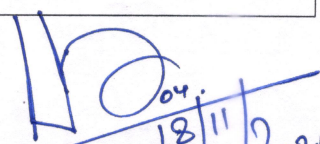
Minutes of the proceedings of the Fifth Meeting of Internal Quality Assurance Cell (IQAC) of Dr. B. C. Roy Engineering College, Durgapur

The 5th IQAC Meeting was conducted on 14th November 2020 at 3.00 pm in the Board Room, after re-opening of the college due to pandemic COVID-19. Prof. (Dr.) Pijush Pal Roy, Chairperson of IQAC chaired the meeting.

Item	Agenda	Minutes of the proceedings
5/1	Action Taken Report	Chairperson started initial discussion with the minutes of the previous meeting and the corresponding actions taken thereof.
5/2	Confirmation of minutes of previous meeting	Minutes of the 4 th meeting of IQAC was unanimously accepted and confirmed.
5/3	Continuation of Function of Dr. B. C. Roy Engineering College, Durgapur amidst outbreak of COVID 19	In view of the advisory from the State Government (press release by the Hon'ble Chief Minister of Govt. of West Bengal), AICTE and MAKAUT on the spread of Novel Corona Virus (COVID-19) and consequent lockdown throughout the country, it was notified that the college remained fully closed from 18 th March, 2020 and both Theory and Practical classes will be conducted virtually . In terms of further Notification dated 16/04/2020 issued by the Govt. of West Bengal, the college started functioning with skeleton staff members with effect from 21 st April, 2020 to look after various administrative functions such as NBA, NAAC, Admission, etc. However, classes continued through online/virtual mode till 30/06/2020.
5/4	Focus on Teaching-Learning Process during Locked-down period during rest of the period of Even Semester Classes of 2020 and from the beginning of Odd Semester Classes of 2020	In view of outbreak of COVID-19, Virtual Classroom Teaching was commenced from 18 th March 2020 for theory as well as lab classes. Students were provided class notes as per Class Schedule of the day by their teachers through Online lectures, uploading of class-notes, PowerPoint presentations, virtual lab taking help of IITs, uploading of YouTube lecture series by prominent professors, Question-answer sessions on GATE, NPTEL, Course-era, etc. The system has been made so meticulously that each faculty after filling a form available in google cloud it is automatically accumulated in an EXEL file, which is being monitored by the Director of the college and a copy is uploaded to the university i.e. MAKAUT. The system is very unique in nature and nearly 90% students are participating in such classes which are better than even the regular classes with physical presence. Each class has also two components like answering of MCQs based on the class lectures and direct interactions with the teacher. Class Attendance and Continuous Assessment marks from CA2 onwards were uploaded in the University portal on the basis of students' participation and securing marks in the virtual class tests, assignments, etc. only. The Even Semester 2020 virtual theory as well as lab classes continued upto 30 th June, 2020.

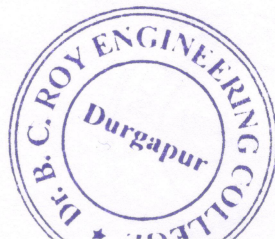
Sanjay Sengupta

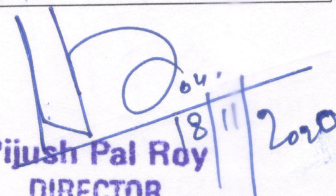



Pijush Pal Roy
 DIRECTOR
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		<p>The college started its virtual classes for Odd Semester 2020 from 21st July, 2020.</p> <p>Besides such academic activities of e-learning process, the college also remains extremely concerned for the good health, safety and well-being of all students. Students were counselled at various stages both internally and externally.</p>
5/5	<p>Discussion on Conduct of Even Semester Examination 2020 during the Pandemic COVID-19</p>	<p>IQAC noted that the Even Semester Theory Examinations of the University for all UG and PG courses could not be held physically due to prevailing situation of COVID pandemic and continuation of lockdown in several places. However, the University adopted for Alternate Evaluation Process for the Semester Evaluation of 2019-20. Colleges sent all evaluation marks of theory and practical examinations held on-line internally, Mock Tests, Quizzes, etc. for the students and the University published the results of End-Semester Examination based on the above, following alternate evaluation method.</p>
5/6	<p>Discussion and review on submission of NAAC SSR as per deadline.</p> <p>Keeping the students' participation in the online survey for SSS by NAAC</p>	<p>IQAC noted that the college has successfully submitted the NAAC Self Study Report (SSR) through the NAAC HEI Portal online on 21st October, 2020. The NAAC committee along with the IQAC team worked during the pandemic situation and with the help of all faculty and staff members could complete the work in time, after the final semester result was published and the audited statement of account was received.</p> <p>After submission of SSR, NAAC has initiated the Student Satisfaction Survey (SSS) on 21st October, 2020 and given a time of one month to complete the process. SSS was sent to 30% students (approximately 900 students) of the 3029 students who were on the roll in the college during the academic year 2019-2020. Out of 900 students approximately 30% students had participated in the survey. The obtained score in SSS is 3.13.</p> <p>IQAC noted that on-line data verification and validation (DVV) process is presently under progress by NAAC.</p> <p>College Website has been updated to reflect the different parameters as defined by NAAC. All the data for last five academic years can now be accessed online through the NAAC SSR which is available in the website of the college. NAAC committee has been working in a well coordinated manner with the NIRF committee.</p>
	<p>Academic-Administrative Audit – Preparation for NAAC</p>	<p>The NAAC Convener updated the IQAC members with the preparation of Academic Administrative Audit as a mandatory requirement of NAAC and expressed hope that with physical opening of the college for the faculty/staff members w.e.f. 4th November, 2020, the dates and itinerary regarding the same will be finalized shortly.</p>
5/7	<p>Discussion on the progress of NBA Accreditation status</p>	<p>Before the pandemic on 22/02/2020, NBA Expert Team visited the college to check up the required documents related to Compliance Reports for re-accreditation of two UG Engineering Programmes, Electronics & Communication Engineering (ECE) and Computer Science & Engineering (CSE). Subsequently, the above two departments have been awarded NBA</p>

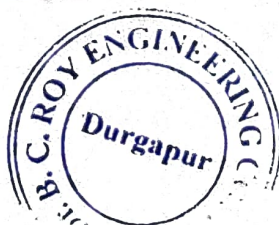
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Pijush Pal Roy
 DIRECTOR
 Dr. B. C. Roy Engineering College

		<p>accreditation once again for another three years with effect from 2020 upto June, 2023.</p> <p>IQAC further noted that NBA is yet to confirm the date of visit of Expert Team in connection with accreditation for Information Technology (IT) and Mechanical Engineering (ME) Departments. Incidentally, the college has provided five sets of dates, as per the requirement of NBA which has already expired. During the pandemic period, college has twice enquired about the proposed visit; however, NBA has given the reply that due to the pandemic, NBA team is not in a position to pay a visit and the college will be informed about the visit in due course of time. IQAC also noted that the college would apply for NBA accreditation for one UG engineering programme, Electrical Engineering and for one PG programme, MBA by June/July, 2021 for which the documentation work is near about completion. IQAC Chairperson requested the HoDs of two departments to interact with the NAAC team for any kind of assistance.</p>
5/8	Discussion on the Application on NIRF Ranking in 2021	<p>IQAC noted that the college has decided to apply for India Rankings 2021 to the National Institutional Ranking Framework (NIRF) which is an initiative of MHRD to rank higher educational institutions in the country based on objective criteria to promote competitive excellence. The ranking application for 2021 will be submitted as soon as MHRD will announce the date. IQAC Coordinator assured that the NAAC Committee will extend whole-hearted support to the NIRF committee to work hard to achieve a rank in NIRF 2021.</p>
5/9	Zee 24 Ghanta Education Excellence Award, 2020 won by BCREC Group	<p>IQAC noted and appreciated that Dr. B. C. Roy Engineering College and Group of Institutions, Durgapur won Zee 24 Ghanta Education Excellence Award-2020, for the second time. The untiring efforts of entire Dr. B. C. Roy collective was appreciated. The Group of Institutions received this prestigious Education Excellence Award in 2019 for the first time.</p> <p>Already well-known in academic circles for its stress on dynamic transformation of students and making them industry ready, BCREC Group did a wonderful job this year despite Corona pandemic to organize Placements in huge numbers in different sectors of industries. Organizing a truly huge number of online classes in all the units of this institution is an extraordinary achievement by any standard.</p>
5/10	Best Student Award 2020	<p>IQAC noted that the college initiated conferring Best Student Award in 2020 in recognition of outstanding performance, excellence in education and personality growth during study of UG and PG programmes. The standing committee unanimously selected DULAL MITRA BEST ENGINEER AWARD (UG) and DR. B. C. ROY BEST P.G. AWARD of the year 2020. The awards comprised a Gold Medal, Citation of Appreciation and cash. The awards were conferred to</p>

Sanjany Sengupta



Pijush Pal Roy
DIRECTOR

Dr. B. C. Roy Engineering College
DURGAPUR

		Mr. Chandan Gorai (CSE) in the UG section and Ms. Siddhi Agarwal (FMS) in the PG section considering predefined parameters including learning outcomes in terms of higher studies, placement, salary package, and overall performances like sports, academics, disciplines and leadership qualities etc.
5/11	Collaboration with CMC, Cambridge, UK to make the BCREC students global-ready and to enhance academic excellence	<p>Prof Nandan Sengupta, India Ambassador, Cambridge Marketing College, UK said, while faculty of CMC, Cambridge, UK will take regular sessions in different campuses of Dr. B. C. Roy Group, Durgapur, on the other side, students and faculty from these institutions will take part in highly motivating intensive 'Immersion Programmes' in Cambridge and London for eight days, from current summer season to expose both the students and faculty to the latest and the best management techniques simply to make them global-ready.</p> <p>IQAC discussed on prospective Reciprocal exchange programme from UK to BCREC campus, Durgapur.</p> <p>IQAC team expected that this collaboration will open a new chapter of effective benchmarking and skill development with the most contemporary international standard for the students of the college.</p>
5/12	Placement Activities – > Soft Skills Trainings for all students > Industrial Training for Civil Engineering Students	<p>IQAC Coordinator briefed about the placement statistics of the year 2020 which was badly hit by COVID19 pandemic. The fear of economic slowdown has impacted the on-campus placement globally. As an adaptation, the platform changed from on-campus to online placement sessions. Despite Global Pandemic situation which has badly affected the job market, the college was able to place record number of students through On-line Campus Interviews from the 2020 pass-out B.Tech batch and the overall Placement scenario was excellent with highest package offered Rs.10.0 lacs per annum compared to previous years. Owing to unstable condition of the Core Companies due to this unprecedented pandemic situation, still the college is giving the opportunity to Core Engineering Branches of 2020 pass-out batch. The total number of Engineering students placed: Single offer – 330 & Multiple offers – 463. The size of MBA 2020 batch was 59 and 23 students have been placed.</p> <p>IQAC team suggested that more emphasis should be given on regular assessment-based pre-placement training and special Soft skills to the students in respect of both engineering and management and to undergo Internships during their pre-final year vacation to gain hands on experiences before stepping into the working world. BCREC Alumni and experts from the Industry should join hands together to train up the Placement Batch 2020 with Special Mock GD, Mock Technical PI on a regular basis.</p>

Sanjay Sengupta



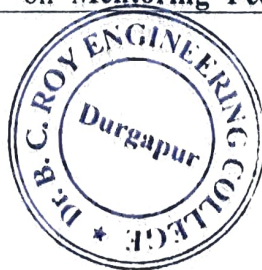
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Pijush Pal Roy
DIRECTOR

Dr. B. C. Roy Engineering College
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		IQAC noted that a MoU was signed between Dr. B. C. Roy Engineering College, Durgapur (BCREC) and National Highways Authority of India (NHAI) . NHAI will provide phase-wise internship for 20 students of the department of Civil Engineering with a stipend for two months duration once a year. Along with this, students may also go for the site visit each month with prior notice.
5/13	Research Initiatives:-	IQAC noted and approved that R&D cell will be reconstructed and work load to be distributed among the R&D members to facilitate the following functioning of the R& D Cell: <ol style="list-style-type: none"> 1. Research proposal preparation, submission and corresponding documentation 2. Different activities related to the publication of received manuscripts in BCREC Journal published by the R&D 3. Organization of FDP, Seminars, Webinar, Workshop etc. and corresponding documentation 4. Providing necessary guidance and support to the students in preparation of models, prototypes etc. for different exhibitions and corresponding documentation.
	On-line Journal Publication	IQAC further noted that the second issue of the journal BCREC Engineering Science Transaction (BEST) with ISSN number will be published shortly. 8(eight) project proposals have been submitted to various funding agencies for financial support through the R&D cell. 3(three) MODROB proposals, one each from ECE, CSE and EE departments have been sent to the AICTE.
	Organization of Webinars during the pandemic period to improve research quality	The IQAC team also noted the organization of Webinars through R&D Cell in the current semester to improve the quality of research. A Webinar on “ Trends of Modern Communication Engineering ” was organized by ECE Department in association with IEEE Students’ Branch and R&D Cell from 18 th September to 20 th September 2020. One Topic : Design Aspects and Application of RF Systems of Spacecrafts , Speaker was Dr. Chandrakanta Kumar, U R Rao, Satellite Centre, (formerly ISRO satellite centre) Bangalore and another speaker was Dr. Anindya Bose, topic was Satellite based Navigation System .
	Book Publication	IQAC noted that a book on “ Teaching Business Communication – impacting Employability ” written by Dr. Suneeta De for the engineering graduates mentioning a host of best organized to emulate, a bouquet of analysis to teach us how to do, what the English teachers already do, better. Most pertinently, it looks at generating employable graduates even through online teaching in the times of Covid 19. This is definitely no panacea, only a refreshing look at the opportunities and challenges of Business Communication Teaching today and tomorrow.
5/14	Effective Teaching – Learning enhancement Programmes for the students as well as the	IQAC noted that E & ICT Academy IIT Guwahati in association with the Departments of Electrical Engineering and Mechanical Engineering Departments of the college organized an on-line FDP on Mentoring Pedagogy and Teaching for Higher

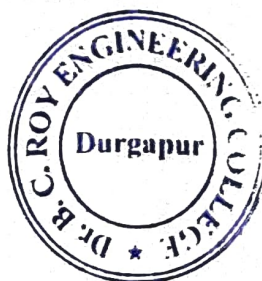
Sanjay Sengupta



18/11/2020
Pijush Pal Roy
DIRECTOR
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	Faculty Members – On-line FDP held on 29th June to 6th July 2020	Education. Prof. Dr.Ratnajit Bhattacharya and Prof. Dr. Gaurav Trivedi, addressed the faculty members. This programme was instructed by an eminent trainer-cum-Mentor, Mr. Anjan Chowdhury. There were a total of 30 participants. The course was designed in such a way that highlights the important aspects of the teacher-student relationship.
	FDP on Moodle and ICT based LMS	IIT Bombay- Prof. Kannan Madhugullay and his team provided hands-on exposure to conquer the academic lockdown during the FDP on Moodle and ICT based Learning Management System (LMS) held on 21 st April to 25 th April 2020.
		IQAC team emphasized that Professional development in the area of teaching skills is a mandatory for any teacher to create a positive environment for learning.
5/15	Various events organized on virtual platform through WEBINARS during the pandemic COVID 19	Webinars and several programs/trainings conducted on virtual platform have made things quite easy and convenient for educators around the world. Webinars make education quite convenient and effective for the students and the teachers by connecting with eminent Academicians and Industry people from all around the world in real-time. IQAC noted and applauded the hosting of several webinars/industrial trainings by various departments through virtual platforms during the pandemic period of COVID 19 mentioned below, wherein renowned Academicians and Industry Personnel all over the Globe participated and imparted their knowledge and experience to the students.
	Organized by Computer Science & Engineering Department	<p>A one day seminar on Data Analytics Streaming Ingestion Hadoop was rganized by the department of IT on 3rd March 2020 by the Tech Club CodeS of the department. Mr. Prabhakar Ojha, an Alumni of BCREC, who is working on Bigdata (in DRDO) dealing with the above mentioned topics, gave hands-on exposures on the working and applications in these areas throughout the day.</p> <p>A webinar on “Machine Learning using Python” was organized on 2nd May 2020 which was technically co-sponsored by IEEE Student’s branch, BCREC and IE(I) Student Chapter, BCREC. An expert team from LaernAByte and AZZ Group conducted the webinar and talked about the need and development of Machine Learning using Python.</p> <p>Another webinar on “Blockchain” was organized on 11th May, 2020. The programme was technically co-sponsored by IEEE Student’s branch, BCREC. An expert team from Ardent Computech Pvt. Ltd conducted the webinar and demonstrated the development of blockchain technology and talked about the need of professionals with modern development skills especially in the field of blockchain services.</p> <p>Today’s emerging and continual response to the rapidly growing COVID-19 is creating new ways of doing business. To understand the challenging market scenario, a webinar was rganized on 12th</p>

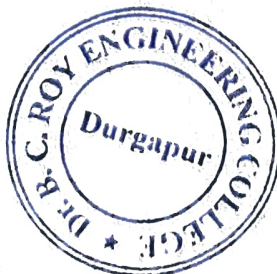
Sanjay Sengupta

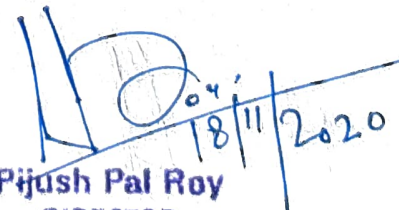


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	<p>May 2020 for the students of Computer Science Engineering Department on the topic “Post COVID-19 Marketing Scenarios” with Professor Nandan Sengupta of the Cambridge Marketing College, UK. In this webinar, Professor Sengupta stressed upon four important aspects like (i) 4P i.e. Product, Price, Position and Promotion; (ii) STP i.e. Segmentation, Targeting and Positioning; (iii) 7P wherein in addition to 4P, he spelt out on another 3P namely People, Process and Physical evolve; and finally (iv) M3 i.e. Strategy, Analysis and Planning.</p>
Organized by Mechanical Engineering Department	<p>A webinar on “Computational Fluid Dynamics and Finite Element Analysis and their applications in Industry” was organized by the Mechanical Department on 19th September 2020. Mr. Bhaskar Chakraborty, CFO, Thermon Inc was the main speaker.</p> <p>Another webinar on “Material Conveying System in Power Plants” was organized by the Mechanical Department on 24th September 2020. Speaker was Mr. Biplab Ghosh, Manager, Energy Product & System Engineering, L&T Power.</p>
Organized by Civil Engineering Department	<p>On 12th June, 2020, a Webinar was organized on “Civil Engineering Project Management” conducted by Mr. Subramanya GM, General Manager, Project Management, Adani Power Limited who shared his personal experiences with the Civil Engineering students.</p> <p>A webinar on “Road Construction: Opportunities & Challenges” was organized by the Civil Department in Association with Institution of Engineers India on 21st September 2020. I) Prof. (Dr.) Jagat Jyoti Mandal, Professor, Department of Civil Engineering, NITTTR, Kolkata and (ii) Dr. Pritam Saha, Assistant Professor, Department of Civil Engineering, IEST, Shibpur were the main speakers.</p>
Organized by Electronics & Communication Engineering Department	<p>A webinar was organized on “VLSI Design using Verilog with Vivado Tool”. Speakers: Mr. Ankur Sanghal and Mr. Mayank Singh, CoreEL Technologies.</p> <p>One month Industrial Internship on HDL, ML and FPGA design using PYNQ was organized for the ECE students during 25/05/20 to 25/06/20.</p>
Organized by Instrumentation & Electronics Engineering Department	<p>During September 20, 2020 to December 06, 2020, Online Lecture Series, under the flagship of Industry Institute Partnership Program (IIPP) was conducted by the IEE Department where several Alumni participated and shared their experiences and industry expectations from Graduates to their juniors.</p>
Organized by Electrical Engineering Department	<p>Electrical Engineering Department organized a Webinar on “Smart Grid”; Prof. Dr Parimal Acharjee, Professor, Department of Electrical Engineering, NIT, Durgapur deliberated an wonderful session for the students on 30th June, 2020.</p>

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		IQAC appreciated the initiative of Electrical Engineering Department for the Online Industrial Training Program-(OITP) starting from 16 th August, 2020 to 18 th October, 2020 given by major Electrical giant industries, WBSETCL, Philips Carbon Black, GE Power, SAIL, IOCL, Power Grid Corpn., etc
	Part of Industry Institute Partnership Programme (IIPP) organized by MBA	Conducted by MBA Department on 12 th November, 2020. Topic: Managing Adversity/Changes during Turbulent Times: HR Perspectives conducted by Mr. Taraknath Banerjee, HR Officer, Graphite India Ltd., Durgapur an Alumnus of MBA Department.
5/16	Social Initiatives: BCREC Campaign against COVID 19 ➤ National Service Scheme (NSS) activities ➤ Observance of 74th Independence Day of the Nation ➤ Celebration of Birth Anniversary of Dr. Bidhan Chandra Roy ➤ MoU between BCREC and NHAI	<p>The threat of corona virus disease caused by a novel corona virus SARS-Cov2 is becoming a life-threatening situation across the globe. In the case of infectious pandemics like this, prevention is always better than cure. Under these circumstances, the College came forward with full corporate-social responsibility and stood by the people. The awareness programme was initiated on 3rd September, 2020 and continued till 15th September 2020. The college team delivered awareness lectures about the preventive measures against corona virus and distributed masks and leaflets among the people free of cost.</p> <p>IQAC noted that on 16th June, 2020 the NSS wing of the College had rganized an online article writing and poster competition on the following topic: “How will the Eastern coast of India rebuild from the twin challenges of Covid-19 and Amphan cyclone?”</p> <p>This was in keeping with the NSS objective of developing a sense of social and civic responsibility among students in these testing times and they responded wholeheartedly.</p> <p>IQAC members noted that as a part of Social Initiative activities, 74th Independence Day celebration was observed on 15th August, to pay respect to the National Flag, Unfurling the tri-colour to the accompaniment of national anthem and national salute, the Head of the Institution delivered his Independence Day Address and paid glowing tributes to two Corona warriors, Shri Bijan Samaddar, OC-NTPS for his gallant fight against this notorious enemy of mankind and Dr. Sujoy Chatterjee, Senior Cardiac Surgeon, The Mission Hospital, Durgapur, who fought with the disease gallantly and joined back to duty to serve even the Corona patients. These warriors are true heroes of our country and the college felt proud to get opportunity to felicitate them.</p> <p>Commemorating contributions and efforts, the college celebrated Birth Anniversary of Dr. Bidhan Chandra Roy (a legendary philanthropist, educationist and a politician who served West Bengal as a chief minister) at its premises on 1st August, 2020 to pay tribute to his principles and guidelines.</p>

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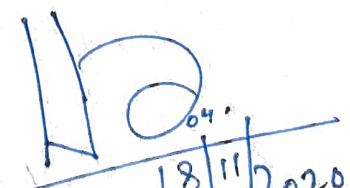
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 Pijush Pal Roy
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		IQAC noted that A Memorandum of Understanding (MoU) was signed between Dr. B. C. Roy Engineering College, Durgapur (BCREC) and National Highways Authority of India (NHAI) on the 15th of October 2020 under the ambit of institute social responsibilities (ISR) . This MOU outlined the initiative for mutual cooperation between the two parties. The college has voluntarily adopted two stretches of NH; an 18 km stretch from Panagarh to Palsit (6- laning will be done) and a 14 km stretch from Purulia to Chandil (under construction).
5/17	Environmental Initiative : > Celebration of World Environment Day > Webinar on Save Environment in World Environment Day	The IQAC noted that the college doesn't leave any stone unturned when it comes to stand by its firm commitment for the social causes that adds to better living. This World Environment Day on 5 th June 2020 was celebrated by planting trees in the campus to ensure that our most dear planet Earth remains the most cherished place to live on for the generations to come. One webinar was organized on the topic " Save Environment in World Environment Day ". The speaker was Prof. (Dr.) Binay K. Dutta of IIT, Kharagpur.
5/18	Publication of E-Journal	IQAC members also appreciated that 3(three) departments, viz. CSE (2 volumes), ME (1 volume) and EE (1 volume) have published quality-driven e-Journals for disseminating of knowledge and understanding during the pandemic. Both Faculty members and the students have taken the initiatives.
5/19	Publication of Fifth Issue of Newsletter	Fifth issue of BCREC Newsletter will be published depicting all the important events/programs/academic initiatives undertaken by the college during COVID-19 covering the period from April 2020 to March, 2021 shortly.
5/20	Interaction with Alumni by Dean (Students' Welfare & Alumni)	IQAC advised that the Alumni should be vibrant and active. Pass-out students of 1 st , 2 nd batches are already established and they may be the resource persons for the existing students in terms of training and placement. College should take extra initiative to contact with them and request them to come forward for their Alma Meter. Dean (SW & A) should organize one Alumni Meet (virtual at present).

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5/21	Award of Ph.D degrees:	<p>IQAC also noted that the following faculty members were awarded with Ph.D degrees from reputed Institutions during the interim period and applauded their achievement.</p> <ul style="list-style-type: none"> • Prof. Sanjay Kumar Saha from EE Department • Prof. Prasanta Majumdar from IT Department • Mr. Anup Das, TA from I&E Department • Prof. Subhas Chandra Moi from ME Department • Prof. Subir Gupta from MCA Department • Prof. Sourav Maitra from ECE Department • Prof. Ankita Mitra from ECE Department
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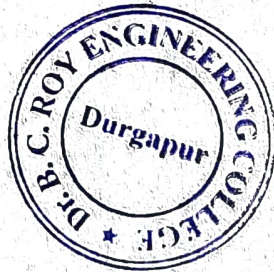
It was unanimously decided to conduct the next meeting in the month of February/March, 2021 and discuss the Action Taken Reports on the Agenda Items of the current meeting as well as new Agenda Items of the next meeting.

The meeting thereafter ended with a vote of thanks to the Chair.

Sanjay Sengupta
Prof. (Dr.) Sanjay Sengupta
 Coordinator, IQAC Cell

Pijush Pal Roy
 18/11/2020
Prof. (Dr.) Pijush Pal Roy
 Chairperson, IQAC Cell

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Agenda of the Sixth IQAC meeting (IQAC_6) to be held on 26th March, 2021

1. Action Taken Report on decisions of previous meeting (5th Meeting of IQAC) :
 - ATR 5/4 – Detailed Agenda Item No. 6/5 placed below for **Focus on Teaching-Learning Process during Locked-down period**
 - ATR 5/6 - Detailed Agenda Item No. 6/8 placed below for Discussion and review on submission of NAAC SSR as per deadline
 - ATR 5/7 – Detailed Agenda Item No. 6/9 & 6/10 on **Progress on NBA Activities and initiatives for NIRF Application in 2021**
 - ATR 5/11 – **Placement activities of T&P Cell & Soft Skill initiatives** placed in Agenda Item No. 6/14
 - ATR 5/12 - **Activities to encourage Research** placed in Agenda Item No. 6/15
 - ATR 5/13 - **Effective Teaching Learning Enhancement Programmes** for the Faculty Members as well as the students placed in Agenda Item No. 6/17
 - ATR 5/19 – **Virtual Alumni Meet & Alumni Activities** placed in Agenda Item No. 6/22
 - ATR 5/15 – **Various Social Initiatives** placed in Agenda Item No. 6/19
 - ATR 5/16 – **Environmental Initiatives** placed in Agenda Item No. 6/20
2. Confirmation of Minutes of previous meeting (5th Meeting of IQAC)
3. Continuation of Odd Semester 2020 classes on virtual platform due to COVID - 19
4. Orientation Programme and Induction Programme for the first year students
5. Focus on Teaching-Learning Process in Virtual Classes during the Odd Semester 2020 & On-line Class records during two semesters – Even and Odd
6. Discussion on Uploading of marks on CA-2, CA-3 & CA-4 and PCA-1 & PCA-2 in the University portal and its processes
7. Discussion on Conduct of Odd Semester Examination 2020 during the Pandemic COVID-19
8. Discussion on NAAC status -
 - DVV queries and the clarifications provided by the college and
 - Subsequent payment of fees before the visit of NAAC Expert Team
9. Discussion on the progress of NBA Accreditation status –
 - Pending visit of Evaluation team for accreditation of Mechanical Engineering and Information Technology Departments
 - Application of another two UG & PG courses: Electrical Engineering and Master of Business Administration Departments
10. Discussion on the Application on NIRF Ranking in 2021
11. Application to the AICTE for Creation of AICTE-IDEA lab [Application Id: 1-7001968109]



12. Participation in Atal Ranking of Institutions on Innovation Achievements (ARIIA) for achieving academic excellence
13. Installation of Solar Photovoltaic (SPV) Power Plant
14. Placement Activities –
 - Implementation of English teaching classes to enhance the communication skills of students from 1st year onwards
 - Soft Skills Trainings for the pass out batch of 2021
 - Placement statistics of 2021 batch
15. Research Initiatives:
 - On-line Journal Publication
 - Organization of National/International Webinars during the pandemic period by the Research & Development (R&D) Cell
16. Activities of Entrepreneurship Cell to make it more vibrant
17. Effective Teaching Learning enhancement Programmes for the Faculty Members as well as the students
 - On-line FDP held on 15th December to 19th December 2020
 - Professional development in the area of Teaching Skills
18. Continuation of WEBINARS by various departments during the pandemic COVID 19 -
 - Computer Science & Engineering
 - Electrical Engineering
 - Mechanical Engineering
 - Electronics & Communication Engineering
 - Basic Science & Humanities Department
 - Civil Engineering
 - Master of Business Administration
19. Social Initiatives:
 - Observance of Swami Vivekananda's 159th Birthday
 - National Service Scheme (NSS) activities -
 - ❖ Webinar on "Vaccination Drive on Covid-19-Pros and Cons
 - ❖ Webinar on Gender Sensitization on Womens' Day
20. Environmental Initiative: Webinar on “**Innovative Waste Management Technologies**”
21. Awards/Felicitation bestowed upon the College and faculty members
22. Alumni Activities – Alumni Meet organized by Dean (Students' Welfare & Alumni)

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Prof. (Dr.) Sanjay Sengupta
Coordinator, IQAC Cell

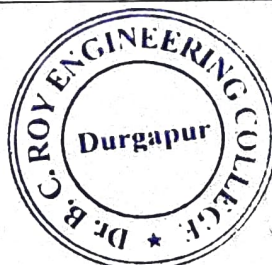


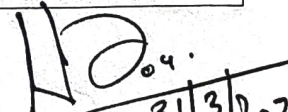
Minutes of the proceedings of the Sixth Meeting of Internal Quality Assurance Cell (IQAC) of Dr. B. C. Roy Engineering College, Durgapur

The 6th IQAC Meeting was conducted on 26th March 2021 at 3.00 pm in the Board Room. Prof. (Dr.) Pijush Pal Roy, Chairperson of IQAC chaired the meeting.

Item	Agenda	Minutes of the proceedings
6/1	Action Taken Report	Chairperson started initial discussion with the minutes of the previous meeting and the corresponding actions taken thereof.
6/2	Confirmation of minutes of previous meeting	Minutes of the 5 th meeting of IQAC was unanimously accepted and confirmed.
6/3	Continuation of Odd Semester 2020 classes on virtual platform due to COVID 19	IQAC noted that the college re-opened physically for the faculty/staff members from November, 2020; however the on-line classes both for theory and Laboratory classes continued. On-line classes for the 1 st year students started from 4 th November, 2020.
6/4	Orientation Programme and Induction Programme for the first year students	<p>IQAC noted that the First year Orientation Programme was conducted on virtual platform (Google Meet) on 3rd November, 2020 before the commencement of the regular classes. Approx. 300 students could participate in the Programme. They were briefed about various rules and regulations of the Institute by the Director and the Heads of the Departments.</p> <p>IQAC noted that the Institute arranged inaugural lectures as part of Induction Programme for the first year students delivered by eminent personality, Dr. Aloknath De, Corporate Vice President of Samsung Electronics, South Korea and Chief Technology Officer of Samsung R&D Institute India, who graced the occasion as Chief Guest.</p> <p>Individual departments were advised to hold the above program separately to get participation of full strength of the students of the departments. Accordingly, MCA department organized the Orientation programme on 15/11/2020 wherein Indranath Mukherjee from TCS, London was the main speaker.</p>
6/5	Focus on Teaching-Learning Process in Virtual Classes during the Odd Semester 2020 & On-line Class records during two semesters – Even and Odd	<p>Theory classes along with GATE classes, Grooming Classes, etc. were conducted during the Odd Semester 2020 which started from 21st July, 2020. Faculty members continued their on-line teaching through on-line lectures, uploading of class-notes, Power Point presentations, Google Meet, etc. TAs/faculty members took Virtual Lab classes in the departmental laboratories which were video-recorded and sent to the students for clarity. Till the University declares the end of odd semester classes and commencement of odd semester examination, Odd Semester 2021 classes will have to be continued.</p> <p>Class records and students' attendance were also uploaded in the link created in the college website (www.brec.ac.in) like previous occasion.</p> <p>IQAC noted that the faculty members adopted various measures</p>

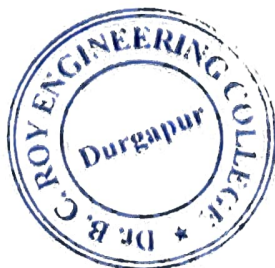
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		<p>for improving class attendance (on-line) by the students. Mentors remained always in touch with his/her mentees and took care of the students as their guardians. This type of personal bonding has improved the teaching-learning process and class attendance too.</p> <p>On-line Class records during two semesters – Even and Odd: It has been recorded that On-line classes held from 15.03.2020 to 16.12.2020 stands at 21796. During the Even Semester 2020, 10329 virtual classes were held and during the Odd Semester 11467 classes have been held and the classes are still continuing. Total 159 faculty members took the virtual classes with enthusiasm and the students' participation is quite encouraging. Day-by-day number of classes increased.</p>								
6/6	<p>Discussion on Uploading of marks on CA-2, CA-3 & CA-4 and PCA-1 & PCA-2 in the University portal and its processes</p>	<p>IQAC noted that CA-2 marks were uploaded in the University Portal as per the date line i.e. from 8th February to 13th February, 2021 for which the on-line assessment tests was held by individual department as per their schedule before uploading..</p> <p>IQAC also noted that the marks of CA-3 and CA-4 as well as PCA-1 & PCA-2 were ready after taking on-line assessments. The dates for such assessment tests were as under:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>PCA-1</td> <td>17/02/2021 to 20/02/2021</td> </tr> <tr> <td>CA-3</td> <td>23/02/2021 to 27/02/2021</td> </tr> <tr> <td>PCA-2</td> <td>02/03/2021 to 06/03/2021</td> </tr> <tr> <td>CA-4</td> <td>09/03/2021 to 13/03/2021</td> </tr> </table> <p>IQAC further noted that a notification was issued in the college website that uploading of marks for at least two CAs is mandatory for a student to be eligible to appear for the semester examination otherwise he/she will be treated as a year-lag student.</p> <p>IQAC also appreciated that all the departments followed the same procedure during the assessment and award of internal marks.</p>	PCA-1	17/02/2021 to 20/02/2021	CA-3	23/02/2021 to 27/02/2021	PCA-2	02/03/2021 to 06/03/2021	CA-4	09/03/2021 to 13/03/2021
PCA-1	17/02/2021 to 20/02/2021									
CA-3	23/02/2021 to 27/02/2021									
PCA-2	02/03/2021 to 06/03/2021									
CA-4	09/03/2021 to 13/03/2021									
6/7	<p>Discussion on Conduct of Odd Semester Examination 2020 during the Pandemic COVID-19</p>	<p>IQAC noted that the Odd Semester Theory Examinations 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. Colleges sent all evaluation marks of theory and practical examinations held on-line, marks of Mock Tests, Quizzes, etc.</p> <p>IQAC noted that vide Notification Ref. No. COE/MAKAUT, WB/83/2021 dated 15/04/2021, the results of all students of UG and PG courses of Odd Semester Examinations 2020-21 conducted in March 2021 were published on 15/04/2021. University notified that the results have been prepared and published based on online end semester examinations in Covid-19 pandemic situation and as per different advisories of statutory authorities and decision of the statutory bodies of University.</p>								

Sanjay Sengupta



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31/03/2021
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6/8	<p>Discussion on NAAC status -</p> <ul style="list-style-type: none"> ➤ DVV queries and the clarifications provided by the college and ➤ Subsequent payment of fees before the visit of NAAC Expert Team 	<p>IQAC noted that the college was in receipt of DVV Clarifications on 20/2/2021 and the college was given the deadline of submission by 20/3/2021.</p> <p>Numbers of clarifications raised in the section "Extended Profile Deviations" were 10 only. The clarifications sought by the NAAC Authorities on certain issues like Syllabus, Students' Registration, Semester Results, etc. which were already covered in the SSR with proofs/documents; however, the NAAC Authorities asked for endorsement of the above documents by the Affiliating University. The NAAC Committee collected all the endorsements from the University and replied all the clarifications. Out of 10 clarifications, NAAC Authorities did not make any change and only 2 points (3.1 & 3.2) were changed after clarifications.</p> <p>In the section "Metrics Level Deviations" numbers of clarifications sought were 32. After the NAAC Committee gave replies with documents/provided University endorsed proofs, only 18 clarifications were changed with minor corrections.</p> <p>IQAC Coordinator informed that the clarifications as sought for were mostly on minor issues which were however satisfactorily catered for within deadline. The clarifications were submitted on 19/03/2021. He, thereafter, informed that an assessment (pre-visit) amount will have to be submitted shortly and three sets of visit dates for the NAAC Peer Team will have to be suggested by the college.</p> <p>The NAAC Coordinator further informed that the NAAC team is continuously monitoring the data for the current academic year 2020-2021 to consolidate for the post SSR report which may be presented to NAAC peer team during the visit as well as they are preparing the criterion-wise power point presentation for the upcoming visit.</p>
6/9	<p>Discussion on the progress of NBA Accreditation status-</p>	<p>IQAC noted that NBA is yet to confirm the date of visit of Expert Team in connection with accreditation for Information Technology (IT) and Mechanical Engineering (ME) Departments. Incidentally, the college has provided five sets of dates, as per the requirement of NBA which has already expired. During the pandemic period, college has three times enquired about the proposed visit; however, NBA has given the reply that due to the pandemic, NBA team is not in a position to pay a visit and the college will be informed about the visit in due course of time.</p> <p>IQAC also noted that the college would apply for NBA accreditation for one UG engineering programme, Electrical Engineering and for one PG programme, MBA by June/July, 2021 for which the SARs of the two departments are almost ready.</p>

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6/10	Discussion on the Application on NIRF Ranking in 2021	IQAC noted that the college has applied for India Rankings 2021 to the National Institutional Ranking Framework (NIRF). The ranking application for 2021 has been submitted on The college has tried to collect all the data/documents from the NAAC Committee this time and based on which submitted the application to achieve a rank in NIRF 2021.
6/11	Application to the AICTE for Creation of AICTE-IDEA lab [Application Id: 1-7001968109]	IQAC noted that the college has applied as a Rural Institute to the AICTE for creation of AICTE- IDEA (Idea Development, Evaluation & Application) LAB SCHEME [Application Id: 1-7001968109]. The estimated project cost of this IDEA Lab is Rs 1,10,00,000/- (Rupees One crore ten lakhs) only, out of which Rs 55,00,000 lakhs will be provided by the AICTE as Grant-in-Aid. The institution is situated in a rural area at a distance of more than 170 km from Kolkata, consequently having no access to the advanced laboratory facilities of premier institutes. Considerable number of students belong to economically challenged background who continue their studies through education loans, freeships, institute scholarships and partial (some % of the tuition fees) government scholarships. These students cannot afford to regularly visit premier institutes of Kolkata to avail advanced laboratory facilities, which is a major financial setback to their innovative ideas. The proposed AICTE-IDEA Lab will provide them a proper platform to cultivate their innovative designs and scientific aptitude. This will lead to the development of employable and entrepreneurial skills of the students. IQAC team appreciated the initiative of the R&D Cell of the college for the above application.
6/12	Participation in Atal Ranking of Institutions on Innovation Achievements (ARIIA) for achieving academic excellence	IQAC noted that Ministry of Human Resource Development (MHRD), Govt. of India has introduced 'Atal Ranking of Institutions on Innovation Achievements (ARIIA)' to systematically rank education institutions and universities primarily to ensure that Innovation is primary fulcrum. ARIIA ranking will set tone and direction for institutions for future development for making them globally competitive and in forefront of innovation. With the above objective in mind, the college is compiling the required data/information to fill up the ARIIA Application as per the framework. IAQC encouraged the initiative and noted that the application of participation in ARIIA in 2021 will be submitted within the deadline of 31 st March, 2021. IQAC team expected that the participation in ARIIA ranking will open a new chapter of effective benchmarking with the most contemporary international standard for the students of the college in terms of high quality research, innovation and entrepreneurship.
6/13	Installation of Solar Photovoltaic (SPV) Power Plant	IQAC noted that a 30 KWp On-Grid Rooftop Solar Photovoltaic (SPV) Power Plant has been installed on the roof top of Vidyasagar Bhawan of the college. This is the FIRST SPV Power Plant in the college. The generation of electric power has been started from 06-01-2021. There are 80 solar panels (solar photovoltaic modules) each panel contains 72 solar photovoltaic cells. It will generate on average 120 unit (kWh)

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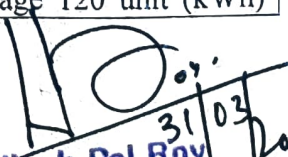


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6/10	Discussion on the Application on NIRF Ranking in 2021	IQAC noted that the college has applied for India Rankings 2021 to the National Institutional Ranking Framework (NIRF). The ranking application for 2021 has been submitted on The college has tried to collect all the data/documents from the NAAC Committee this time and based on which submitted the application to achieve a rank in NIRF 2021.
6/11	Application to the AICTE for Creation of AICTE-IDEA lab [Application Id: 1-7001968109]	IQAC noted that the college has applied as a Rural Institute to the AICTE for creation of AICTE- IDEA (Idea Development, Evaluation & Application) LAB SCHEME [Application Id: 1-7001968109]. The estimated project cost of this IDEA Lab is Rs 1,10,00,000/- (Rupees One crore ten lakhs) only, out of which Rs 55,00,000 lakhs will be provided by the AICTE as Grant-in-Aid. The institution is situated in a rural area at a distance of more than 170 km from Kolkata, consequently having no access to the advanced laboratory facilities of premier institutes. Considerable number of students belong to economically challenged background who continue their studies through education loans, freeships, institute scholarships and partial (some % of the tuition fees) government scholarships. These students cannot afford to regularly visit premier institutes of Kolkata to avail advanced laboratory facilities, which is a major financial setback to their innovative ideas. The proposed AICTE-IDEA Lab will provide them a proper platform to cultivate their innovative designs and scientific aptitude. This will lead to the development of employable and entrepreneurial skills of the students. IQAC team appreciated the initiative of the R&D Cell of the college for the above application.
6/12	Participation in Atal Ranking of Institutions on Innovation Achievements (ARIIA) for achieving academic excellence	IQAC noted that Ministry of Human Resource Development (MHRD), Govt. of India has introduced 'Atal Ranking of Institutions on Innovation Achievements (ARIIA)' to systematically rank education institutions and universities primarily to ensure that Innovation is primary fulcrum. ARIIA ranking will set tone and direction for institutions for future development for making them globally competitive and in forefront of innovation. With the above objective in mind, the college is compiling the required data/information to fill up the ARIIA Application as per the framework. IAQC encouraged the initiative and noted that the application of participation in ARIIA in 2021 will be submitted within the deadline of 31 st March, 2021. IQAC team expected that the participation in ARIIA ranking will open a new chapter of effective benchmarking with the most contemporary international standard for the students of the college in terms of high quality research, innovation and entrepreneurship.
6/13	Installation of Solar Photovoltaic (SPV) Power Plant	IQAC noted that a 30 KWp On-Grid Rooftop Solar Photovoltaic (SPV) Power Plant has been installed on the roof top of Vidyasagar Bhawan of the college. This is the FIRST SPV Power Plant in the college. The generation of electric power has been started from 06-01-2021. There are 80 solar panels (solar photovoltaic modules) each panel contains 72 solar photovoltaic cells. It will generate on average 120 unit (kWh)

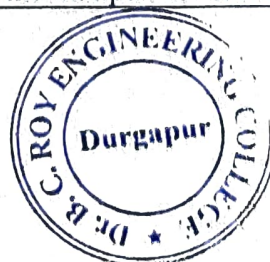
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		<p>electricity per day. The electric power generated by the solar power plant is being used by Vidyasagar Bhawan. On holidays and on off-days the power will be exported to the WBSEDCL power grid. The project cost is Rs. 13,14,885/-. The life time of the Solar panels are 25 years. The payback period is 4 years after which the power generated by the Solar Power Plant will be totally free of cost. There is zero maintenance cost of the solar power plant. One day in every week the solar panels are washed by clean water for its enhanced performance.</p>
6/14	<p>Placement Activities –</p> <ul style="list-style-type: none"> ➤ Implementation of English teaching classes to enhance the communication skills of students from 1st year onwards ➤ Soft Skills Trainings for the pass out batch of 2021 ➤ Placement statistics of 2021 batch 	<p>IQAC team emphasized that teaching English Grammar should be given utmost priority. IQAC Chairman stated that he has observed that students lack knowledge of grammar as a result they can not learn the communication/writing skill later on. Prof. Debadrita Sen, TIC of English agreed to the above and informed that to improve the basic knowledge of english during the 1st year itself, the faculty members of English Department have taken several classes on Basic English which were uncoded and not in syllabus; however, in the current 2nd semester, students studied those areas (coded papers) which has helped the students a lot.</p> <p>IQAC team happily noted that more emphasis is being given on regular assessment-based pre-placement training and special Soft Skills (SS) Module to the pass-out batch of 2022 in respect of Engineering, Management and MCA. The Skill Enhancement program for the 2022 pass-out batch is being planned to commence from April, 2021 with the regular practice sessions in the form of:</p> <p style="text-align: center;">2 (two nos.) English Usage Tests (EUTs) 1 (one no.) Quantitative Aptitude Test (QAT) 1 (one no.) Reasoning Aptitude Test (RAT) & 1 (one no.) Functional Domain Based Test i.e 5 Tests Per week.</p> <p>Execution of the SS III module: Group Discussion Sessions will commence from May, 2021. Total of 581 students (B.Tech + MBA+MCA) will participate in the process.</p> <p>IQAC noted that Placement for 2021 B.Tech and MCA batch started through VIRTUAL MODE. All the Companies prefer to do the same instead of visiting campus physically. Like previous years, Capgemini was offered the day 1 status, Other IT giants like Tata Consultancy Services, Cognizant, Hitachi Consulting and WIPRO already completed the drive) in January, 2021.</p> <p>IQAC team noted the placement details for 2021 batch in nut shell: Capgemini – 39 (selected), Cognizant - 64 (Gen C Next-3, Genc-61), Tata Consultancy Services - 53 (TCS Ninja-46, TCS Code Vita-6, TCS Digital-1), Bridgera india Pvt Ltd. – 2.</p> <p>IQAC expressed concerned that Core Companies like A B Polypacks for Mechanical students, Vashi Electricals- for Electrical students, TechnipFMC (Female Candidates only) - for Mechanical students, Anglo Eastern – for Mechanical students visited the campus for hiring the 2021 pass-out batch students;</p>

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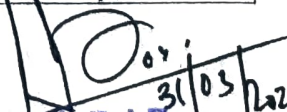
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		<p>however, considering the present market situation of the Core Companies (manufacturing sector, construction, Real Estate, Cement Industry, Heavy Vehicles, Infrastructure sector have been badly affected due to global pandemic situation and there are many IT Companies too who are compelled to restrict their hiring for 2021 batch due to the same reason), the Core Engineering students have been advised to appear more in IT companies (such as Tata Consultancy services, Cognizant Technology Services) interview whenever there is opportunity given.</p> <p>MBA 2021 batch campus drive started in virtual mode with Berger Paints ltd. The size of MBA 2021 batch is 60 out of which 4 students are already placed. 4 Companies have carried interview process in virtual/Off Campus mode- Cyrrup Solutions Pvt Ltd, Berger Paints, Airtel and Shyam Metaliks.</p>
6/15	Research Initiatives:-	<p>IQAC noted that the college has applied to the AICTE for a MODROB project titled "Upgradation of VLSI (Phase-II) Laboratories" [Application Id: 1-9327822105]. The project cost is Rs 22,05,882/- (Rupees twenty lakhs five thousand eight hundred eighty two) only. Coordinators of the Project are Prof.(Dr.) Tribeni Prasad Banerjee, Prof. (Dr.) Alope Saha and Prof. (Dr.) Chandan Kumar Ghosh, Head (R&D).</p>
	On-line Journal Publication	<p>IQAC further noted that the second issue of the journal BCREC Engineering Science Transaction (BEST) with ISSN number will be published shortly. College is following up with ISSN Authorities; however due to pandemic, the application of the college for allotting ISSN number is getting delayed.</p>
	Organization of National/International Webinars during the pandemic period by the Research & Development (R&D) Cell	<p>The IQAC team also noted the R&D Cell organized several Webinars singly or with joint collaboration with Engineering departments to improve R&D activities of the college.</p>
		<p>IQAC noted that on 8th of January, 2021, a webinar on the topic of "Engineering of Smart Materials: Laboratory to Industry" was organized by R&D Cell to help the students to increase their exposure to a wide range of subjects which will enrich their thought process during the pandemic.</p>
		<p>IQAC appreciated that Intellectual Property Rights (IPR) Cell in collaboration with R & D Cell organized a one day Webinar on "Innovations and Intellectual property protection" on 28.01.2021. Mr. Anjan Sen, eminent lawyer of Calcutta High Court and Dr. Praveen Sharma delivered the presentations.</p>
		<p>IQAC noted that a National Webinar was organized by R&D Cell on 26th February on the topic "Emerging Applications of Radiation on Nanotechnology" wherein two eminent speakers, Prof Dr Kamalika Sen, Assistant Professor of Chemistry (University of Calcutta) and Prof Dr. Abhijit Saha, Director of DAE CSR Saltlake, Kolkata delivered their talks.</p>
		<p>Another National Webinar on "Journey from Vacuum Tube to Carbon Nanotube" was organized on 27th February 2021 by the R&D Cell. Prof. (Dr.) Parthasarathi Chakraborty,</p>

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		<p>Director, IEST, Shibpur was the main speaker.</p> <p>Research paper writing is an important part of conveying the results of one's own research to the technical community and getting the paper accepted in reputed journals is a difficult task. It is both an art and science. IEEE Student Branch of the college jointly with R&D Cell in Association with IEEE Kolkata Section organized an International Webinar on 16/04/2021 on the topic "How to Write An Effective Research Paper?" Prof. N Sundararajan Life Fellow of IEEE Professor (Retd.) School of Electrical and Electronic Engineering, Nanyang Technological University (NTU), Singapore, delivered the topic. The speaker presented important ways of writing an effective research paper in a step by step approach. The lecture was highly interactive and the participants become enlightened of the right ways of writing an effective research paper.</p>
6/16	<p>Activities of Entrepreneurship Cell to make it more vibrant</p>	<p>IQAC suggested that since National Education Policy 2020 has given thrust on educating the students to develop their entrepreneurial activities, the Entrepreneurship Cell of the college has to provide much emphasis on entrepreneurship activities by the students. The closer collaboration between industry and technical institutions to drive innovation and research has been actively encouraged in NEP. With the above objective in mind, it was decided in the meeting that senior Professors, Dr. K.M. Hossain, Dean(A), Dr. N. N. Pathak, Dean (SW&A) and Dr. Sanjay Sengupta, NAAC Chairman, will be inducted in the existing Entrepreneurship Cell to make the Cell more vibrant and active.</p> <p>Prof. Rajib Roy, HoD of MBA suggested that following four factors are to be looked into while giving emphasis on enhancement of students' entrepreneurial activities.</p> <ul style="list-style-type: none"> (i) Idea Generation (ii) How to write a business project (iii) Funding – loan aspect to implement the project (iv) Marketability of the finished product <p>It was also discussed that External Experts may be engaged to make a viable project (break-even point to be reached).</p> <p>Prof. Pathak suggested that a budget on entrepreneurial efforts may be placed before the Authorities for getting the approval and as per the budget, several initiatives may be taken with emphasis on entrepreneurship. It was further discussed that Ministry of MSME, Ministry of Industry, Ministry of Commerce have launched a number of schemes to help and assist Entrepreneurs especially small businesses. Students of the college should be encouraged to build models, etc./to plan mini start-ups so that the above can be submitted to MSME for generating the funds.</p> <p>It was further discussed that the authorities of the college has already approved the proposal for formation of a Society through which commercialization aspect of students' entrepreneurial activities could be explored.</p>

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6/17	<p>Effective Teaching – Learning enhancement Programs for the students as well as the Faculty Members –</p>	<p>IQAC team emphasized that development in the area of teaching skills is a mandatory for any teacher to create a positive environment for learning. IQAC felt it necessary that the college should organize FDPs (Virtual during pandemic) in regular manner.</p>
	<p>On-line FDP held on 15th December to 19th December 2020</p>	<p>IQAC noted that AICTE Training & Learning (ATAL) Academy Sponsored Online FDP on Foundations and Practical Aspects of Cyber Security organized by the CSE Department during 15th December to 19th December, 2020. Total 98 number of teachers, researchers and industry persons form different states of country participated in this training program. Ten renowned professors and scientists from IITs, NITs, Jadavpur University and other leading universities delivered their lecture in this program. AICTE Training & Learning (ATAL) Academy funded Rs. 93,000/- for organizing the event.</p>
6/18	<p>Continuation of WEBINARS by various departments during the pandemic COVID 19</p>	<p>IQAC noted and appreciated that the departments continued the hosting of several webinars/industrial trainings through virtual platforms during the pandemic period of COVID 19 mentioned below, by renowned Academicians and Industry Personnel all over the World.</p>
	<p>Organized by Computer Science & Engineering Department</p>	<p>IQAC noted that Virtual Industry Visit in association with Webskitters Technology was organized on November 21, 2020 Invited Speaker was Mr. Anjan Das.</p> <p>A series of webinars were held during November-December, 2020:</p> <p>Webinar on “Progressive Web Apps” on November 28, 2020 Invited Speaker: Mr. Atul Krishna</p> <p>Webinar on “Hadoop, Spark and Bigdata” on December 5, 2020 Invited Speaker: Mr. Prabhakar Kumar Ojha</p> <p>Webinar on “Industry Oriented Technologies” on December 11, 2020 Invited Speaker: Mukesh Hela</p> <p>Webinar on “Microservices Technology” on December 12, 2020 Invited Speaker: Mr. Rajiv Ranjan</p> <p>BCREC CSI Student chapter organized One-day International Webinar on “CORE CONCEPT AND INDUSTRY PRACTICES OF SQL AND PL/SQL” on 6th March, 2021.</p>
	<p>Organized by Mechanical Engineering Department</p>	<p>A webinar on “Relevance of Heat Transfer in the Context of Nuclear Power Generation” Speaker was organized by the Mechanical Department. Dr. Aranyak Chakravarty, Asst. Professor, School of Nuclear Studies & Application, Jadavpur University was the main speaker.</p> <p>Another webinar on “Comparison of Thermocouple and Thin film gauges and its Applications” was organized by the Mechanical Department on 8th January, 2021. Dr. Hrishikesh Goswami, Asst. Professor, Govt College of Engineering, Jamui was the main speaker.</p>
	<p>Organized by Electronics & Communication Engineering Department</p>	<p>A webinar was organized by the ECE Department on 28/11/2020, Topic was “IOT in Healthcare” conducted by TechTree Technologies Expert.</p>

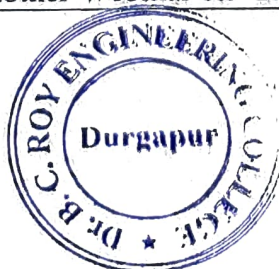
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	<p>IQAC appreciated the webinar on “Need of special exposure to HR skills for Engineering Managers in today’s business scenario” which was organized on January 8, 2021 by the ECE Department where renowned Cardiac Surgeon, Dr. Satyajit Bose, Chairman of The Mission Hospital delivered an interactive session which was quite enriching for the students during the pandemic.</p>
Organized by Civil Engineering Department	<p>Civil Engineering Department organized a Webinar on 19th December, 2020 by an Alumni (2015 batch), Mr. Antu Das, Technical Quality Engineer, B.S. Geotech Private Ltd. He shared his experiences on the topic “Quality Control on Highway Projects” with his juniors.</p>
Organized by Electrical Engineering Department	<p>IQAC appreciated the initiative of Electrical Engineering Department organized a Webinar on “Modern Trends of Electrical Engineering and its Applications” during 20th to 24th December, 2020. Various topics were covered during the webinar and the speakers were –</p> <p>i. Solar-Powered Electric Vehicle (EV) Charging Schemes – Dr Nishant Kumar, National University of Singapore (NUS)</p> <p>ii. Grid Connected Solar Photovoltaic Inverters: Design and Recent Trends- Prof (Dr) Sumit K Chattopadhyay IIT Delhi</p> <p>iii. Learning Strategies For Human-Robot Collaboration” – Prof (Dr) Amitava Chatterjee, Jadavpur University</p> <p>iv. Recent Trends in Automotive Sensors & Instrumentations - Prof (Dr) Karabi Biswas IIT KGP</p> <p>v. Trends in Electrical Power Systems - Prof (Dr) Swapan Kumar Goswami, Jadavpur University</p> <p>Electrical Engineering Department in collaboration with R&D Cell of the college organized a National Webinar on “MATLAB AND SIMULINK FUNDAMENTALS” on 30th April, 2021 M/s. ELMAX Systems & Solutions demonstrated live instructions on the following topics which was an interactive learning session both for the faculty members and the students.</p> <ol style="list-style-type: none"> i) Working with Live Scripts ii) Data Import/Export iii) Working with Datatypes iv) Data Pre-processing v) Mathematical Modelling using SIMULINK vi) Physical Modelling using SIMSCAPE
Organized by Basic Science & Humanities Department (BSH)	<p>Basic Science & Humanities (BSH) Department organized a National Webinar on “Communication Strategies for Recruitment” on 2nd March, 2021. Speakers were Industry stalwarts such as Shri Arabinda Sahoo, Sr. V.P. & Circle Head, Axis Bank, Dr. Anuradha S., GM, HRD, SAIL – DSP, Shri Suman Sinha, Director, Qualcomm India and Shri Arun Mishra, leading a start-up on AI blended medical services. All of them delivered on “Effective Communication” and “Contingency Leadership” which were very interactive and useful for the students.</p>
	<p>Another Webinar on “Implementation of National Education”</p>

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		<p>Policy (NEP) 2020 as proposed by AICTE was conducted by the BSH Department on 16th April, 2021. The renowned speaker Dr. Vivek M Nanoti, Principal, Priyadarshini Institute of Engineering and Technology, Nagpur, delivered wonderful guidelines on NEP.</p> <p>One Day National Webinar was organized on 23rd April, 2021 on "Uncertainty Based Optimization and Applications on pandemic analytics with COVID-19 data" was organized Department of Mathematics, The eminent Speaker was Prof. (Dr.) Samarjit Kar, NIT Durgapur. The second session was "Single Valued Neutrosophic Number And Its Utility To Develop Pandemic Analytics With COVID-19 Data" by an eminent Speaker Prof. (Dr.) Debabrata Datta, BARC, Mumbai.</p>
	Webinars Organized by MBA with Industry Personnel	<p>IQAC noted that MBA Department organised a Webinar on 28th November, 2020 with an objective to impart Outcome-based Education beyond University Curriculum. Topic: "Workplace and Work Force Readiness vis-à-vis Covid-19" and the Speaker: Dr. Partha Sarkar, HOD, Business Administration (HR), The University of Burdwan, Golapbag, Burdwan.</p> <p>Mr. Rajiv Basu, PWC, Mumbai, addressed the MBA students through a webinar on 17/3/2021 on the topic "Challenges and opportunities of being an entrepreneur in today's business environment".</p>
6/19	<p>Social Initiatives:</p> <ul style="list-style-type: none"> ➤ Observance of Swami Vivekananda's Birthday ➤ National Service Scheme (NSS) activities - <p>Webinar on "Vaccination Drive on Covid-19-Pros and Cons"</p>	<p>159th Birthday of Swami Vivekananda was observed on 12th January, 2021 through a seminar titled "Ethics, Education and Mankind: The Thoughts of Swami Vivekananda". Despite the prevailing Covid 19 scenario all around, like every year, this year also the day began by garlanding the statue of Swamiji by the Chief Guest Swami Somatmananda Maharaj, Secretary, Ramkrishna Mission, Asansol. The programme started with the chanting of Sanskrit Shloka and songs offered as tribute to Swami Vivekananda by the college staff members.</p> <p>Swami Somatmananda Maharaj, cited several facets of the life of Swami Vivekananda and his dilemma to choose between the life of a family man or a sanyasi. Ultimately, he chose the life of a sanyasi to <i>devote</i> himself to the cause of the society. He explained that the essence of Vedanta is uniting diversified religious views into one which results into the emancipation of human beings. He said that ethical behaviour brings out the richness of inherent Indian Culture and religious traditions in shaping a true human being.</p> <p>IQAC members noted that as a part of Social Initiative activities, NSS Wing of the college organized a Webinar on "Vaccination Drive on Covid-19-Pros and Cons" on 3rd March 2021, The speaker for the event was Dr. Partha Pal, Chief Medical Superintendent, The Mission Hospital.</p>

Sanjay Sengupta



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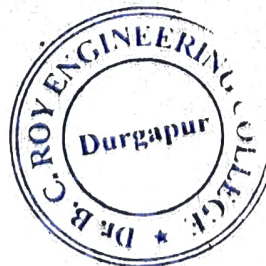
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	Webinar on Gender Sensitization on Womens' Day	NSS Wing and Grievance Redressal Committee for Sexual Harassment of Women organized a Webinar on 8 th March, 2021 on World Women's Day on Gender Sensitization. The session was titled " Women: A Nation's Pillars of Strength ".
6/20	Environmental Initiative : ➤ Webinar on "Innovative Management Technologies"	The IQAC noted that the college is concerned for keeping the environment eco-friendly and clean. A Webinar on " Innovative Waste Management Technologies " organized by the Department of Basic Science & Humanities (Chemistry) on 5 th January, 2021. 1) Prof. (Dr.) V. Chintala , Founding, Associate Professor of National Rail & Transportation Institute, Vadodara, shared insightful deliberation. 2) Prof. (Dr) Santhi Raju Pilli , Department of Chemical Engineering Technology, College of Applied Industrial Technology, Jazan University, KSA.
6/21	Awards/Felicitation bestowed upon the College and faculty members	IQAC members also appreciated that Dr. Chandan Koner, Head of the CSE department delivered an Invited Talk at FDP on " Network and Cyber Security " organized by Department of Cyber Science & Technology, Brainware University on 15th January 2021 for which he was awarded with a Certificate of Excellence. IQAC also applauded Dr. Koner and Dr. Raj Kumar Samanta, Professor of the CSE department who became the Fellow of The Institution of Engineers (India) in the Computer Engineering Division.
6/22	Alumni Activities – Alumni Meet organized by Dean (Students' Welfare & Alumni)	IQAC noted that Dean (SW & A) organized one Virtual Alumni Meet on 27 th February, 2021. The Virtual Meet was a " Kick Off " session that expectedly acted as an ice breaking or a bridge building session between the Alumni and the current existing students. Speakers were : Anirban Poddar (an Alumnus of 2004) Sanjit Jha (an Alumnus of 2009) Aromita Paul (an Alumnus of 2020) Hemlata Bose (an Alumnus of 2020)

It was unanimously decided to conduct the next meeting in the month of November, 2021 and discuss the Action Taken Reports on the Agenda Items of the current meeting as well as new Agenda Items of the next meeting.

The meeting thereafter ended with a vote of thanks to the Chair.

Sanjay Sengupta
Prof. (Dr.) Sanjay Sengupta
Coordinator, IQAC Cell



Pijush Pal Roy
31/03/2021
Prof. (Dr.) Pijush Pal Roy
Chairperson, IQAC Cell

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Agenda of the Seventh IQAC meeting (IQAC_7) to be held on 30th July, 2021

1. Confirmation of Minutes of previous meeting (6th Meeting of IQAC)
2. Re-structuring of IQAC Cell in view of engagement of Prof. (Dr.) Narendra Nath Pathak as Principal of the college w.e.f 7th July, 2021
3. Discussion on Conduct of Even Semester Examination 2021 during the Pandemic COVID-19
4. Discussion on NAAC status –
 - Proposed dates of Visit for NAAC Peer Team and subsequent preparation of all the departments for the ensuing visit
 - Academic-Audit by NAAC Team
5. Discussion on the progress of NBA Accreditation status –
 - Pending visit of Evaluation team for accreditation of Mechanical Engineering and Information Technology Departments
 - Submission of SARs by two UG & PG Programs: Electrical Engineering (EE) and Master of Business Administration Departments (MBA)
6. Selection of the college for establishment of AICTE-IDEA lab
7. Selection of the college by the AICTE for imparting Learning in Teaching Excellence (LITE) Program
8. Conduct of Theme based webinar series on completion of one year of Transformative Reforms under New Education Policy (NEP) 2020
9. Re-structuring of Feedback on Teaching-Learning Process by the students of the departments following the OBE process
10. Inclusion of new Programs/ Specialization/bridge course
 - Two new UG programs in emerging areas – Computer Science & Design (CSD) and Artificial Intelligence & Machine Learning (AIML)
 - An additional specialization area in MBA program, Health Care Management
 - Bridge course in MCA program
11. International Interdisciplinary Conference on the topic "Mathematics, Engineering & Science (MESIICON 2022)

Sanjay Sengupta
Prof. (Dr.) Sanjay Sengupta
Coordinator, IQAC Cell

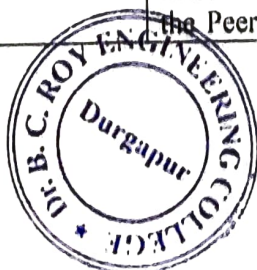


Minutes of the proceedings of the Seventh Meeting of Internal Quality Assurance Cell (IQAC) of Dr. B. C. Roy Engineering College, Durgapur

The 7th IQAC Meeting was conducted on 30th July 2021 at 3.00 pm in the Board Room. Prof. (Dr.) Narendra Nath Pathak (newly appointed Principal), Chairperson of IQAC chaired the meeting.

Item	Agenda	Minutes of the proceedings
7/1	Confirmation of minutes of previous meeting	Minutes of the 6 th meeting of IQAC was unanimously accepted and confirmed.
7/2	Re-structuring of IQAC in view of engagement of Prof. (Dr.) Narendra Nath Pathak as Principal of the college w.e.f 7 th July, 202	Re-structuring of IQAC was made with inclusion of new personnel; Prof. (Dr.) Narendra Nath Pathak took over the charge of Principal of the college and became the Chairperson of the IQAC. Prof. (Dr.) K.M. Hossain after taking over the charge of Dean (Academics) became the member of IQAC as well as Dr. G.S. Mitra Thakur of Information Technology Department has been included in the IQAC.
7/3	Discussion on Conduct of Even Semester Examination 2021 during the Pandemic COVID-19	IQAC noted that the Even Semester Theory Examinations 2021 of the University for all UG courses were conducted during 13 th July, 2021 to 20 th July, 2021 following the same procedure of Alternate Evaluation Process . Colleges sent all evaluation marks of theory and practical examinations held on-line, marks of Mock Tests, Quizzes, etc. IQAC also noted that as per Notification Ref. No. COE/MAKAUT,WB/91/2021 dated 29/06/2021, the Intermediate Even Semester Examinations of 2021 will be conducted during 9 th August, 2021 to 21 st August, 2021.
7/4	Discussion on NAAC status - ➤ Proposed dates of Visit for NAAC Peer Team and subsequent preparation of all the departments for the ensuing visit ➤ Academic –Audit by NAAC team	IQAC Coordinator, Dr. Sanjay Sengupta, informed that proposed dates of visit for the NAAC Peer Team are already over and the college have to send another three dates. It was discussed and agreed upon that in view of commencement of admission process for 2021-22 at an early date, all three dates may be given in the first half of September, 2021 itself – 3 rd & 4 th September (Friday, Saturday), 8 th & 9 th September (Wednesday, Thursday) and 14 th & 15 th September (Tuesday, Wednesday). New Principal, Prof. (Dr.) N N Pathak also requested the members to inform the HoDs of all the departments to be ready for the visit of NAAC Peer Team with all the documents. IQAC Coordinator, Dr. Sanjay Sengupta, further informed that he himself along with other members visited Electrical Engineering Department (will be submitting SAR to the NBA shortly) and conducted an audit of all the documents and processes. The team also suggested certain measures which the department readily accepted and incorporated the same in the NBA-SAR.
7/5	Discussion on the progress of NBA Accreditation status –	IQAC noted that though two departments have submitted the SARs in June, 2019 and proposed two times dates of visit for the Peer Team, yet the visit did not take place due to ongoing

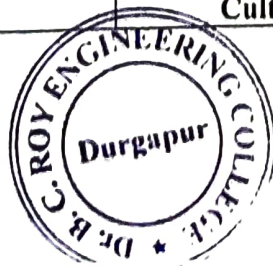
Sanjay Sengupta



Narendra Pathak

<p>➤ Pending visit of Evaluation team for accreditation of ME and IT Departments</p> <p>➤ Submission of SARs by two UG & PG Programs: EE and MBA Programs</p>	<p>pandemic COVID-19. Of late, college has suggested another five set of dates in July (23-25), August (6-8, 20-22, 27-29) and September (10-12), 2021.</p> <p>IQAC noted that the completion of filling up of SARs is going on in full swing in the departments – EE & MBA and hopefully they will be submitting the same by 21st August, 2021 before the cut-off date of 24th August, 2021. It was decided that before submission, both the departments will give a presentation on SARs criterion-wise to a committee consisting of Principal, Dean (Academics), NAAC Chairman and the Registrar. Dates were fixed for the two programs – 13/08/2021 (for EE) and 14/08/2021 (for MBA). The suggestions/observations of the said committee will be incorporated in the SARs.</p>
<p>7/6</p>	<p>Selection of the college for establishment of AICTE-IDEA lab</p> <p>IQAC appreciated that the college has been selected for establishment of AICTE IDEA LAB (which is a part of the mission 'Atma Nirbhar Bharat' by Government of India), after facing a rigorous screening process of AICTE across the country. IQAC felt that the IDEA LAB will greatly enhance the visibility of the college amongst the Industry and the schools in neighbouring areas and significantly improve the employability of the students by imparting 21st century skills.</p>
<p>7/7</p>	<p>Selection of the college by the AICTE for imparting Learning in Teaching Excellence (LITE) Program</p> <p>IQAC noted that the College has been selected as one of the Institute for prestigious Leadership in Teaching Excellence (LITE) Programme by AICTE recently to act as AICTE Brand Ambassador of Change. LITE is a flagship programme of AICTE, to strengthen the elite National Engineering Leadership Cadre of Software Engineers to fulfill the goal of National Education Policy (NEP) 2020 through proven online teaching-learning methods to a larger cross section of Institutions, teachers and students. The aim of LITE is to teach modern computer engineering knowledge to 24 million children and lead them to the domains of entrepreneurship instead of paid employment.</p>
<p>7/8</p>	<p>Conduct of Theme based webinar series on completion of one year of Transformative Reforms under New Education Policy (NEP) 2020</p> <p>New Education Policy (NEP) 2020 is a transformational and empowering policy. Many of the countries in the world are looking at it with great enthusiasm and are likely to follow suit. IQAC advised that as advised by the AICTE, the college should organize 08 theme-based webinars on various subjects at institute level following the webinars organized by different Ministries/Departments from 30/07/2021 to 06/08/2021.</p> <ul style="list-style-type: none"> • Equity & Inclusion on 30/07/2021 • Multidisciplinary & Holistic Education (02/08/2021) • Skill, Entrepreneurship Development & Employability: Challenge and Opportunities (03/08/2021) • Effect of NEP on Youth Empowerment And Sports Development(04/08/2021) • Indian Knowledge System, Languages, Arts and Culture (05/08/2021)

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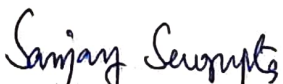


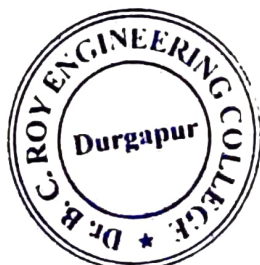
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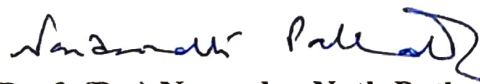
		<ul style="list-style-type: none"> • Quality Education, Accreditation And Teacher Development (06/08/2021)
7/9	Re-structuring of Feedback by the students on Teaching-Learning Process of the departments following the OBE process	It was discussed and agreed upon that the departmental level feedback should be discussed in the Departmental Academic Council (DAC) and Action Taken Report (ATR) of the departments should be placed in the Central Academic Council to make the system fool-proof. The on-line feedback questionnaire should be re-structured from the academic year 2020-2021 following the OBE process. IQAC also suggested that corrective measures should be taken by the departments for implementation; as such mid-semester feedback system should be introduced. IQAC Chairperson suggested that HoDs should personally monitor the findings/corrective measures to be adopted by the individual teacher.
7/10	Inclusion of new Programs/Specialization/bridge course > Two new UG programs in emerging areas – Computer Science & Design (CSD) and Artificial Intelligence & Machine Learning (AIML) > An additional specialization area in MBA program, Health Care Management > Bridge course in MCA program	IQAC noted that in view of students' interest to study in Computer Science related subjects, college applied to the AICTE and received approval from both AICTE and MAKAUT for opening of two new UG programs in emerging areas – Computer Science & Design (CSD) and Artificial Intelligence & Machine Learning (AIML) IQAC further noted that since Health Care Management is a booming sector nowadays, MBA department will offer an additional specialization, Health Care Management . IQAC suggested that to fulfil the criteria of the University, MCA students who have passed Bachelor of Science, Bachelor of Commerce or Bachelor of Arts with mathematics at 10+2 or at the graduation level should study an additional bridge course (preferably from NPTEL) on computer related subjects.
7/11	International Interdisciplinary Conference on the topic "Mathematics, Engineering & Science (MESIICON 2022)	IQAC noted that International Interdisciplinary Conference on the topic " Mathematics, Engineering & Science (MESIICON 2022) " will be held in 2022 and will be attended by distinguished Scientists, Academicians, Industry Professionals, Researchers, Management Personalities, Industry Professionals and the Students from all over the world. The goal of the Conference is to create a platform for cross-sector dialogues on variety of challenging areas and exchange of break-through ideas relating to the Mathematics, Engineering & Science applicable to common mass of the country.

It was unanimously decided to conduct the next meeting in the month of November, 2021 after the admission process for the academic year 2021 is over.

The meeting thereafter ended with a vote of thanks to the Chair.


Prof. (Dr.) Sanjay Sengupta
 Coordinator, IQAC Cell




Prof. (Dr.) Narendra Nath Pathak
 Chairperson, IQAC Cell

Principal
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