



Dr. B. C. ROY ENGINEERING COLLEGE, DURGAPUR

(Approved by AICTE & Affiliated to MAKAUT, WB)

CAMPUS : JEMUA ROAD, FULJHORE, DURGAPUR-713206 (WB), INDIA

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Dr. B. C. Roy
Engineering
College (BCREC)

Internal Quality Assurance Cell (IQAC)

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]





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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)

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





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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	IQAC noted that the First year Orientation Programme was conducted on virtual platform (Google Meet) on 3 rd 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. 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. 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.
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	Theory classes along with GATE classes, Grooming Classes, etc. were conducted during the Odd Semester 2020 which started from 21 st 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. Class records and students' attendance were also uploaded in the link created in the college website (www.brec.ac.in) like previous occasion. IQAC noted that the faculty members adopted various measures

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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 border="0"> <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>								

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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 SAKs 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, freships, 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. IQAC 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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		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.
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 nutshell: Capgemini – 39 (selected), Cognizant - 64 (Gen C Next-3, Gen-61), Tata Consultancy Services - 53 (TCS Ninja-46, TCS Code Vita-6, TCS Digital-1), Bridgera india Pvt Ltd. – 2.</p> <p>IQAC expressed concerns 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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		<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.) Aloke 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. Paveen 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	Activities of Entrepreneurship Cell to make it more vibrant	<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). 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>On-line FDP held on 15th December to 19th December 2020</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>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 from 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>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>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>
	Webinar on "Vaccination Drive on Covid-19-Pros and Cons"	<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>

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31/03/2021

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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 Waste 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/Felicitations 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 15 th 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

Pijush Pal Roy
DIRECTOR
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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> <ul style="list-style-type: none"> i. Solar-Powered Electric Vehicle (EV) Charging Schemes – Dr Nishant Kumar, National University of Singapore (NUS) ii. Grid Connected Solar Photovoltaic Inverters: Design and Recent Trends- Prof (Dr) Sumit K Chattopadhyay IIT Delhi iii. Learning Strategies For Human-Robot Collaboration – Prof (Dr) Amitava Chatterjee, Jadavpur University iv. Recent Trends in Automotive Sensors & Instrumentations - Prof (Dr) Karabi Biswas IIT KGP v. Trends in Electrical Power Systems - Prof (Dr) Swapan Kumar Goswami, Jadavpur University <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> <ul 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>

Sanjay Sengupta



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BCR/PR / /2021

MARCH 26, 2021

ATTENDANCE OF 6TH INTERNAL QUALITY ASSURANCE CELL (IQAC) MEETING HELD ON 26TH MARCH, 2021

Sl. No.	Name	Designation	Signature
1.	Shri Traun Bhattacharya, General Secretary, BCREC Society	Management Representative	
2.	Prof. (Dr.) Pijush Pal Roy, Director	Chairperson	
3.	Prof. (Dr.) Sanjay Beng. pta, HoD, Civil Engineering	Coordinator	
4.	Smt. Ruma Mitra, Registrar	Member	
5.	Dr. Alope Kahali, Head (Administration)	Member	
6.	Commdr. (Retd.) Ratna car Ghosh, Campus Administrator	Member	
7.	Shri Rajesh Chatterjee, Sr. Manager (Administration)	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 Pai, HoD, Basic Science & Humanities	Member	
14.	Prof. (Dr.) Pabitra Kumar Dey, HoD (MCA)	Member	
15.	Prof. (Dr.) Debaprasad Mukherjee Professor (IT)	Member	
16.	Prof. Anirban Bose, Asstt. Professor Instrumentation & Electronics	Member	
17.	Prof. Arijit Kumar Banerji, Asstt. Professor, (CE)	Member	
18.	Prof. Mou Das Mahapatra, Asstt. Professor, EE, BCREC	Member	
19.	Mr. 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	

