### **BIRLA INSTITUTE OF TECHNOLOGY**

(A Deemed to be University u/s 3 of UGC Act 1956)

MESRA, RANCHI -835 215

### **MINUTES**

OF

## THE 108<sup>th</sup> MEETING OF THE ACADEMIC COUNCIL

25<sup>TH</sup> NOVEMBER 2021 (THURSDAY): 12.00 NOON

### **VENUE:**

CONFERENCE HALL BIRLA INSTITUTE OF TECHNOLOGY MESRA, RANCHI - 835 215



### **BIRLA INSTITUTE OF TECHNOLOGY**

(A Deemed to be University u/s 3 of UGC Act 1956) MESRA, RANCHI- 835215

## THE MINUTES OF THE 105TH MEETING OF THE ACADEMIC COUNCIL HELD ON 13TH JULY 2021

The following members of the Academic Council were present:

1.	Dr. Indranil Manna Vice Chancellor	Chairman
2.	Dr.(Mrs.) Nisha Gupta (DPGS)	Member
3.	Dr. (Mrs.) Vibha Rani Gupta (DUGS)	Member
4.	Dr. Sudip Das (DAAC) & Director (IQAC)	Member
5.	Dr. Utpal Baul (DAIR)	Member
6.	Dr. Kunal Mukhopadhyay (DoFA)	Member
7.	Dr. C. Jeganathan (DRIE)	Member
8.	Dr. Anand Kumar Sinha (DoSA)	Member
9.	Dr.(Mrs.) Manjari Chakraborty (DoIP) & HoD (Arch. & Ping)	Member
10.	Dr. Sanjay K. Jha (COE)	Member
11.	Dr. K. K. Senapati (COA)	Member
12.	Dr. Rakesh Kumar Sinha Prof. & HoD (Bioengineering and Biotechnology)	Member
13.	Dr. Gautam Sarkhel Prof. & HoD Chemical Engineering	Member
14.	Dr. Ashoke Sharon Prof. & HoD Chemistry	Member
15.	Dr. Sudeshna Chakravarty Prof. & HoD (CEE)	Member
16.	Mrs.(Dr.) V. Bhattacharjee Prof. & HoD (CSE).	Member
17.	Dr. S.S. Solanki Prof. & HoD (ECE) & Director (Univ. Polytechnic)	Member
18.	Dr.(Mrs.) Sarbani Chakraborty Prof. & HoD (EEE)	Member
19.	Dr. S.K. Jain Professor (Mathematics) and In-Charge (HMCT)	Member
20.	Dr. Shradha Shivani Prof.&HoD Management	Member
21.	Dr. Seshadev Padhi Prof.&HoD Mathematics	Member
22.	Dr. Dipti P. Mishra Prof. & HoD (Mechanical Engg). and Head (In-charge) (SE&R)	Member
23.	Dr. Swastika Ganguly Prof.&HoD (Pharm. Sc. & Tech).	Member
24.	Dr. S.K. Sinha Prof. & HoD (Physics)	Member

25.	Dr. Joyjeet Ghose Asso. Prof. & HoD	Member
		Member
26.	(Production and Industrial Engg.)  Dr. A.P. Krishna	
20.	Prof. & HoD (Remote Sensing)	Member
27.	Dr. Ramesh Chandra	
47.	Professor	Member
	(Bioengineering and Biotechnology)	Member
28.	Dr. (Mrs.) Sudipta Goswami	
20.	Professor	Member
	(Chemical Engineering)	Member
29.	Dr. (Mrs.) Usha Jha	
	Professor (Chemistry)	Member
30.	Dr. P.K. Srivastava	
	Professor (Chemistry)	Member
31.	Dr. J.P. Pandey	+7191 287
	Professor (Chemistry)	Member
32.	Dr. Birendra Kr. Singh	
	Professor (Civil & Env. Engg)	Member
33.	Dr. (Mrs.) Bindhu Lal	
	Professor (Civil & Env. Engg.)	Member
34.	Dr. Rajeev R. Sahay	A # 020000 A 000000
	Professor (Civil & Env. Engg.)	Member
35.	Dr. Sandip Dutta	Member
	Professor (CSE)	Member
36.	Dr. S.K. Ghorai	Member
	Professor (ECE)	Member
37.	Dr. Srikanta Pal	Member
	Professor (ECE)	Member
38.	Dr. (Ms.) Vijaya Laxmi	Member
	Professor (EEE)	Piembei
39.	Dr. Soubhik Chakraborty	Member
	Professor (Mathematics)	Member
10.	Dr. (Mrs.) Manju Bhagat	
	Professor (Management)	Member
1.	Dr. D. M. Dharet	
ł 1.	Dr. R. N. Bhagat	Member
12.	Professor (Management) Dr. R.P. Sharma	
t Z.	Professor (Mechanical Engg.)	Member
13.	Dr. P.R.P. Verma	
rJ.	Professor (Pharm. Sc.&Tech.)	Member
4.	Dr. Shiveshwar Jha	
T.	Professor (Pharm. Sc.&Tech.)	Member
15.	Dr. K. Jayaram Kumar	Member
	Professor (Pharm. Sc.&Tech.)	Member
16.	Dr. B.N. Sinha	Member
	Professor (Pharm. Sc.&Tech.)	

47.	Dr. (Mrs.) Papiya Mitra Mazumder Professor (Pharm. Sc.&Tech.)	Member	
48.	Dr. Subir Samanta Professor (Pharm. Sc. & Tech.)	Member	1
49.	Dr. S. Konar BM Birla Chair Professor (Physics)	Member	1
50.	Dr. Sanjeeb Kr. Rout Professor (Physics)	Member	
51.	Dr. (Mrs.) Sunita Keshri Professor (Physics)	Member	
52.	Dr. Vinay Sharma Professor (Production Indus. Engg.)	Member	
53.	Dr. Nilanchal Patel Professor (Remote Sensing)	Member	
54.	Col. Sukhpal Singh (Retd.) Registrar	Member Secretary	Ī
55.	Dr. Abhinav Dinesh Director (EC-Jaipur)	Member	
56.	Dr. Ganesh Prasad Mishra Professor (EC-Jaipur)	Member	
57.	Dr. Roopali Sharma Professor (EC-Jaipur)	Member	

58.	Dr. M. Krishna MohanProfessor (EC-Jaipur)	Member
59.	Dr. R.C. Jha Director (EC-Deoghar)	Member
60.	Dr. Arbind Kumar Professor (EC-Deoghar)	Member
61.	Dr. S.L. Gupta Director (EC·Noida)	Member
62.	Dr. A.N. Jha Director (I/c) EC. Lalpur	Member
63.	Dr. Arbind Kumar Director (I/c) EC-Patna	Member
64.	Dr. Shree Prakash Lal Professor (EC-Patna)	Member
65.	Dr. Laxmi Naryan Pattnaik Asso. Dean (PGS)	Special Invitee
66.	Dr. Sujan Kumar Saha Asso. Dean (UGS)	Special Invitee
67.	Md. Nadim Quaiser Asst. Registrar	Special Invitee
68.	Mr. Rahul Rai Dy. Registrar (Academic)	Special Invitee
69.	Ms. Shruti Sharma Asst. Registrar (Stud. Affairs)	Special Invitee

Physical Attendance

Virtual Attendance

Mrs.(Dr.) P. Padmanabhan, Professor (Bioengineering and Biotechnology), Dr. T. Ghose, Professor (EEE), Dr. D.K. Mohanta Professor (EEE), Dr. (Mrs.) S.M. Verma, Professor (Pharm. Sc.& Tech.), Dr. Balram Singh, Professor (OC-Patna), Dr. Asha Prasad, Professor (OC-Noida), could not attend the meeting being away on leave of absence.

The meeting started with the opening address of the Hon'ble Vice Chancellor, and which was followed by discussions on following Agendas:

## AC.108.01 CONFIRMATION OF MINUTES OF 106TH MEETING OF THE ACADEMIC COUNCIL

Minutes of the 106th Meeting of the Academic Council, held on 13th July 2021 in the Institute Conference Hall. Minutes were circulated.

C:\Users\Hp\Downloads\ANNEXURE\1. Annexure-Ac.108.01 MoM 106th AC Meeting.pdf

Resolution: Confirmed.

## AC.108.02 CONFIRMATION OF MINUTES OF 107<sup>TH</sup> MEETING OF THE ACADEMIC COUNCIL

Minutes of the 107th Meeting of the Academic Council, held on 14th September 2021 in the Institute Conference Hall. Minutes were circulated.

Resolution: Confirmed.

#### AC.108.03 ACTION TAKEN REPORT: 106th MEETING OF THE ACADEMIC COUNCIL

The Action Taken Report is as below:

Agenda Item No.	Agenda Item	Action Taken
AC.106.01	Confirmation of Minutes of the 105 <sup>th</sup> Meeting	Implemented and Notified
AC.106.02	Action Taken Report: 105 <sup>th</sup> Meeting of the Academic Council	Implemented and Notified
AC.106.03	Important Point for Information	Noted and Adopted for Implementation
AC.106.04	Ratification of Recommendations of Advisory Committee for Academic Programme (ACAP)	Implemented and Notified
AC.106.05	Restructure/Revision of Course Structure For UG and PG Programme	Implemented
AC.106.06	Provision for Revision of the Course and Allotting a New Number for Revised Course.	Implemented
AC.106.07	Ratification of the Recommendation of the Board of Studies of University Polytechnic	Implemented
AC.106.08	Ph.D. Viva-Voce	Implemented
AC.106.09	Reconstitution of Board of Studies of the Departments	Implemented
AC.106.10	Reporting Items	Implemented
AC.106.11	To consider application of Dr. Anand Bharti, Department of Chemical Engineering, BIT Mesra for permission to be a Co-Guide of an External Ph.D. Scholar	Implemented
AC.106.12	Application of Dr. Manoj Kumar Dutta, for permission to work as a Co-Supervisor of two External Ph.D. Scholars	Implemented
AC.106.13	Ph.D. Viva-Voce	Implemented
AC.106.14	Additional Reporting Items	Implemented

Resolution: Noted.

#### AC.108.04 ACTION TAKEN REPORT: 107th MEETING OF THE ACADEMIC COUNCIL

The Action Taken Report is as below:

1	genda em No.	Agenda Item	Action Taken
AC	C.107.01	Cut-off date for awarding of Degrees in the XXXI Convocation	Implemented
AC	2.107.02	Recommendation of conferment of Degrees to Under-Graduate, Post-Graduate and Doctor of Philosophy (Ph.D.) students successfully graduated during July 2020 to August 2021, in the XXXI Convocation of the Institute	Degrees Conferred to the Graduated Students
AC	2.107.03	Award of Gold Medals to the eligible Under- Graduate students graduated between July 2020 to April 2021	Gold Medals Awarded
AC	2.107.04	Award of Gold Medals to the eligible Under- Graduate students graduated between May 2021 to August 2021	Gold Medals Awarded



Resolution: Noted.



#### AC.108.05 UG, PG and PhD Ordinance 2021 and Examination Regulations 2021

Based on the recommendations of the Advisory Committee for Academic Programme (ACAP), the following Ordinances/Regulations 2021 are brought before the Academic Council for approval:

- (A) Ordinance for Under-Graduate and Post Graduate Programmes 2021
- (B) Ordinance for PhD Programme 2021
- (C) Examination Regulations for UG, PG and PhD Programmes 2021

Resolution: Approved.

## AC.108.06 RATIFICATION OF RECOMMENDATIONS OF ADVISORY COMMITTEE FOR ACADEMIC PROGRAMME (ACAP)

Advisory Committee for Academic Programme (ACAP) in its 57th, 58th and 61st meeting held on 04th October 2021, 29th October 2021 and 8th November 2021 respectively recommended the following agenda items, which were approved by the Hon'ble Chairman of the Academic Council, are brought before the Academic Council for Ratification:

#### i) Inclusion of Course on English Skills for 1st and 3rd Year Students

The Institute has collaborated with Cambridge English Assessment to improve the English language and soft skills of the students. The course will be offered in two phases as under:

MT132 Communication Skills I	1st Year (1.5 Credits)	Semester-I for B.Tech (Non-Circuital Branch) + IMSc. Semester-II for B.Tech (Circuital Branch) + B.Arch.
MT133 Communication Skills II	3rd Year (1.5 Credits)	Semester-V for B.Tech (Non-Circuital Branch) + IMSc. Semester-VI for B.Tech (Circuital Branch) + B.Arch

The ACAP recommended offering the Course on Communication Skills for 03 Credits for the students of B.Tech, B.Arch and IMSc Programmes at BIT Main Campus and Off-Campuses. The credits are to be adjusted by dropping the course of Business Communication of 03 Credits.

The recommendation of Board of Studies (BoS) of the Department of Management is enclosed which delineates the syllabus and other details.

#### ii) Modifications in Terms of Ph.D Guidance

To provide option for career growth for all the faculty members in terms of Ph.D. guidance following modifications are recommended:

#### a) Review of Ph.D. Ordinance 2018 (Clause 6.1)

Related to Clause 6.1 of PhD Ordinance 2018: A Guide shall be "A Full-time regular faculty member of the Institute or its Off-Campus holding Ph.D. Degree with at least two publications of SCI/SCIE/SSCI/AHCI in last three years (instead of two years)" as notified in "Guidelines for IRF scheme dated 14th October 2019. All other points in this clause remains unchanged.

#### b) Ph.D. Guidance by the Faculty of BIT Off-Campus





In case a Guide of BIT Off-Campus fails to comply with the above criterion then he/she may opt for another Co-guide/External guide in the same Department/other Department/main Centre/other Institute in India or abroad having at least two publications of SCI/SCIE/SSCI/AHCI in last three years.

## c) Registration of Ph.D Scholars of the Off-Campuses in BIT Mesra (Main Campus)

All the PhD candidates of Off-Campus are required to register in the Main Campus in the respective departments. All the meeting and progress presentations for the PhD students from the Off-Campuses would be in the online mode.

## d) Constitution of the Doctoral Committee (for Off-Campus students)

Head of the Department (Main Campus)

Chairman

Ex-officio

The Guide and Co-Guide/External Guide, (if any)

Member(s)

Two Faculty members with Ph.D. degree (One from the Department and another from Off-Campus; One related to the domain of research and another related to discipling of research)

Members

discipline of research)

Two experts from the Allied Departments with Ph.D. :

Members

degree

# iii) Extension of time mentioned in Clause 6.4 of PhD Ordinance 2018 for the Faculty Members of the Department of Architecture and Planning and Department of Management

The ACAP in principle recommended relaxation for 01 Year from MO-2021 to SP-2022 to publish in non-paid Scopus Indexed Journals.

## iv) Inclusion of Student Approval Form for Shodhganga repository of INFLIBNET-UGC in the PhD Ordinance

After the completion of PhD Viva-voce examination, the scholar needs to submit a duly filled and signed student approval form (Annexure XIV; PhD Ordinance) to transfer the copyright to the University in order to share it with Shodhganga repository of Inflibnet-UGC. The latest soft copy of the thesis will be submitted at Institute Central Library for this purpose.

Resolution: Ratified.

## AC.108.07 TO CONSIDER FACULTY OF BIT (MAIN AND OFF-CAMPUSES) AS SPONSORED CATEGORY FOR ADMISSION TO PH.D. PROGRAMME



To facilitate the faculty members of the Institute to complete the Doctoral Degree at the earliest, it is proposed to consider the faculty members under the category of sponsored candidate. Hence, their admission test criteria would be as per the criterion laid for sponsored candidates. The other terms & conditions shall remain unchanged.

Resolution: Approved.



# AC.108.08 REVISION OF COURSE STRUCTURE FOR THE FIRST SIXTH SEMESTERS OF INTEGRATED M.SC. PROGRAMMES (PHYSICS, CHEMISTRY, FOOD TECHNOLOGY, MATHEMATICS AND COMPUTING)

The course structures for the First Six semesters of the Integrated M. Sc. Programmes (Physics, Chemistry, Food Technology, Mathematics and Computing) are revised as per the UGC guidelines so that the Honours degree may be awarded to the students who take an Exit-Option after the Sixth Semester. The proposed course structures are enclosed as annexures:

i)	Integrated M.Sc. (Physics)
ii)	Integrated M.Sc. (Mathematics and Computing)
iii)	Integrated M.Sc. (Chemistry)
iv)	Integrated M.Sc. (Food Technology)

The dissertation is made compulsory in Sixth Semester with Course Code **XX300**, where **XX** is the initial of the Department Code.

The Course Structure and Syllabus of I.M.Sc. (Quantitative Economics and Data Science) were approved by the Academic Council in its 105<sup>th</sup> Meeting. However, the same Course Structure with Course Code up to Sixth Semester is placed before the Academic Council for approval.

#### Resolution:

Approved. The Council also approved the course structure and syllabus of IMSc Chemistry (I to VI Semesters), IMSc Chemistry (VII to X Semesters) and MSc Chemistry (I to IV Semesters).

#### AC.108.09 DEPARTMENT OF MATHEMATICS (REVISION OF COURSES)

The Board of Studies (BoS) of Department of Mathematics in its meeting held on 16<sup>th</sup> November 2021 recommended the revision of courses: MA108 (Mathematics III) and MA207 (Mathematics IV).

Resolution: Approved.

# AC.108.10 TO CONSIDER APPLICATION OF DR. CHINMAY CHAKRABORTY, ASST. PROFESSOR, BIT DEOGHAR CAMPUS FOR PERMISSION TO BE A CO-GUIDE OF THE PH.D. SCHOLARS

Based on the request of Dr. Chinmay Chakraborty, Assistant Professor, Department of Electronics and Communication Engineering, BIT Deoghar, the Hon'ble Chairman Academic Council approved him to be a Co-Guide the following Ph.D. Scholars:

- i) Mr. Akash Kumar Gupta, Assistant Professor, Dept. of ECE, BIT Deoghar, who is pursuing Ph.D. from NIT Patna.
- ii) Mr. Shobhit Srivastava, who is pursuing Ph.D. from UEM, Jaipur.
- iii) Mr. Sachin Arora, who is pursuing Ph.D. from UEM, Jaipur.

Resolution: Approved.

# AC.108.11 PROPOSAL TO START NEW POST-GRADUATE PROGRAMME IN M.TECH. – CHEMICAL ENGINEERING IN DEPARTMENT OF CHEMICAL ENGINEERING

Board of Studies (BoS) of the Department of Chemical Engineering in its meeting held on 17<sup>th</sup> November 2021 recommended to start new Post-Graduate Programme, M.Tech-Chemical Engineering with the intake of 12 with eligibility criteria BE/B.Tech



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in Chemical Engineering/Chemical Technology/Chemical Polymer/Bio-Engineering and allied areas. The Course Structure and Syllabus is enclosed as annexure.

Resolution: Approved.

#### AC.108.12 DEPARTMENT OF MECHANICAL ENGINEERING

Departmental Policy Committee (DPC) and Board of Studies (BoS) of Department of Mechanical Engineering in its meeting held on 26<sup>th</sup> October 2021, 8<sup>th</sup> November 2021 and 16<sup>th</sup> November 2021 respectively proposed:

- i) M.Tech Programme in Mechanical Engineering
- ii) Student intake of 24 for M. Tech. in Mechanical Engineering
- iii) The following eligibility for admission to M. Tech. Mechanical Engineering
  - a) Mechanical Engineering
  - b) Production Engineering/ Production and Industrial Engineering
  - c) Energy Engineering
  - d) Aeronautical/Aerospace Engineering
  - e) Mechatronics
  - f) AMIE in Mechanical/Aerospace Engineering
  - g) Any other relevant field
- iv) The restructuring of subjects and syllabus for M. Tech. in Mechanical Engineering as recommended by the BoS is enclosed as annexure.

Resolution: Approved.

#### AC.108.13 DEPARTMENT OF SPACE ENGINEERING AND ROCKETRY

The Departmental Policy Committee (DPC) in its meeting held on 8<sup>th</sup> November 2021 and Board of Studies (BoS) of Department of Space Engineering and Rocketry in its meeting held on 17<sup>th</sup> November 2021 recommended the renaming of M. Tech programme as under:

- i) Renaming of programme as M. Tech. in Aerospace Engineering with two specializations- i) Aerodynamics ii) Rocket Propulsion.
- ii) Student intake of 24 for the M. Tech. (Aerospace Engineering).
- iii) The following eligibility for admission to M. Tech. (Aerospace Engineering)
  - a) Aeronautical/Aerospace Engineering
  - b) Automobile Engineering
  - c) Mechanical/Metallurgical Engineering
  - d) Chemical/Polymer Engineering
  - e) Civil Engineering
  - f) Production/Manufacturing Engineering/Production and Industrial Engineering
  - g) A.M.Ae. S.I./A.M.I.E./A.M.I.Ch.E. or equivalent
  - h) any other related field
- iv) The Course Structure and Syllabi for M. Tech. in Aerospace Engineering, Department of Space Engineering and Rocketry as approved by the BoS is enclosed as annexure.

Resolution: Approved.





#### AC.108.14 DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### 1. PG Programme-M.Tech in Electrical and Electronics Engineering:

In pursuance of Post Graduate Courses meeting dated 27th September 2021, the Board of Studies (BoS) of Department of Electrical and Electronics Engineering in its meeting held on 18th November 2021 recommended the restructuring of PG in Electrical Engineering with electives specifically in Control System, Power System and Power Electronics.

The proposed structure of M,Tech in Electrical Engineering with specialization in Control System, Power System, and Power Electronics is going to be one single PG Programme (M.Tech in Electrical Engineering) with electives in Control System, Power System, and Power Electronics.

In pursuance of this, a single group of courses have been framed in which common courses are being offered to all the students of various specializations in the 1<sup>st</sup> semester of PG. In the second semester, three groups have been formed with different specializations (i.e, Control System, Power System, and Power Electronics) for all program electives (both theory and labs).

The recommendations of the BoS are as follow:

- New module related to conditioning monitoring of rotating machines has been proposed in the new course i.e., 'Conditioning Monitoring of Power Equipment'.
- ii) Change in the course title of 'Artificial Intelligence based Control of Electric Drives' to 'Control of Electric Drives.
- iii) Suggestion for minor revision in the syllabus of courses i.e., 'Industrial Instrumentation and Control'.
- iv) Change in the course title of 'Soft Computing Techniques in Electrical Engineering' to 'Computational Techniques in Electrical Engineering'.

#### 2. UG Programme:

The BoS of Department of Electrical and Electronics Engineering recommended the Courses as under:

- i) List of New Elective Courses (2020–21 Batch).
- ii) Revision of syllabus of existing courses.

Resolution: Approved.

## AC.108.15 PH.D. VIVA-VOCE APPROVAL OF AWARD OF PH.D. DEGREE, PROVISIONALLY

The Academic Council is requested to consider the recommendations of the respective viva-voce Boards of following 43 Ph.D. scholars listed below and approve the award of Ph.D. Degree to them provisionally:

S.N	Name and Roll No.	Department	Guide	Co-Guide	Title	Degree to be Awarded In
1	Mr. Vivek Srivastava Ph.D/CS/10056/2013	Computer Science & Engineering	Dr. Ravi Shankar Pandey		Adaptive Traffic Management Based on Software Defined Networks	Engineering



2	Mr. Biswajit Karan Ph.D/EC/10053/2016	Electronics and Communication Engineering	Dr. Kartik Mahto	Dr. Sitanshu Sekhar Sahu	Analysis of Speech Signal for Parkinson's Disease Prediction	Engineering
3	Ms. Pranata Hazra Ph.D/RS/10001/2014	Remote Sensing	Dr. A.P. Krishna		Spatio-Temporal Assessment of Glaciers and Lakes in High Mountains of Sikkim Himalaya for Inferring Changes and Impacts	Science
4	Mr. Chandra Bhushan Kumar Ph.D/ME/10051/2015	Mechanical Engineering	Dr. Dhaneshwar Mahto	Dr. D.B. Lata	Investigations on the Performance of Dual Fuel Diesel Engine by Addition of Di-tert Peroxide and Hydrogen as a Secondary Fuel	Engineering
5	Ms. Sayantani Basu Ph.D/CHP/10051/201 3	Chemical Engineering	Dr. A. K. Sen		Studies on Dehydration of Glycerol via Catalytic reactive Distillation	Engineering
6	Mr. Deep Shekhar Acharya Ph.D/EE/10052/2013	Electrical and Electronics Engineering	Dr. S. K. Mishra		Development of Multi Agent Evolutionary Algorithm Based Fractional Order PID Controller of Magnetic Levitation Plant	Engineering
7	Mr. Manish Kumar Ph.D/CEE/10001/16	Civil and Environmental Engineering	Dr. Anand Kumar Sinha		An Experimental Study of Corrosion of Steels in Carbonated High Volume Fly Ash Concrete	Engineering
8	Mr. Nawed Anjum Ph.D/ BT/10008/2012	Bioengineering and Biotechnology	Dr. Ramesh Chandra		Production of Vindoline from the Bacterial Emdophyte Microbacterium sp. Of Catharanthus roseus L.	Science
9	Mr. Pallab Sikdar Ph.D/MB/1054/2011	Management	Dr. Munish Maddad		A study on financial risks faced and risk management strategies adopted by selected public, private and foreign commercial banks in India	Management
10	Ms. Sheel Shalini Ph.D/CS/1053/2011	Computer Science and Engineering	Dr. Kanhaiya Lal		Mining Customer Behavior Using temporal Association Rules	Engineering
11	Mr. Abhishek Bhattacharya Ph.D/CS/10006/2014	Computer Science and Engineering	Dr. K. Mukherjee		A Framework for Permission Based Feature selection in Detection of Malwares on Android Platform	Engineering
12	Ms. Swati Minz Ph.D/MB/10016/2013	Management	Dr. Pradeep Munda		A Study of Worklife Balance of Women in Jharkhand: A Case Study of women Police in Ranchi, Jharkhand	Management
13	Mr. Satvik Vats Ph.D/CS/10057/2016	Computer Science and Engineering	Dr. B. B. Sarkar		Designing a Platform Independent Model for Big Data Analytics	Engineering
14	Mr. Keshab Chandra Ray Ph.D/MB/10013/2014	Management	Dr. Meenakshi Sharma		A Study of Challenges and Strategies for Indian I.T. Companies towards the development of Global Brand	Management
15	Mr. Sukalyan Goswami Ph.D/CS/10010/2012	Computer Science and Engineering	Dr. Kuntal Mukherjee		Load Balancing in Computational Grid Environment	Engineering

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16	Mr. Shailendra Kumar Singh (Ph.D/MB/1051/2011)	Management	Dr. Supriyo Roy		Green Logistics for Sustainable Development: Strategic Perspective of Indian Logistics Service Providers	Management
17	Mr. Saurabh Singh (Ph.D/CS/10052/201 2)	Computer Science and Engineering	Dr. Madhavi Sinha		Enhancement of Dimensionality Reduction Technique for pattern Construction of Biometric Authentication systems	Engineering
18	Mrs. Monika Kumari (Ph.D/CS/10001/201 6)	Computer Science and Engineering	Dr. G. Sahoo	Dr. K. K. Senapati	Self-Organized and Self- Sustainable Auto Scaling for Scientific Workflow Application in Cloud Environment	Engineering
19	Ms. Vibha Shree (Ph.D/CHP/10001/20 14)	Chemical Engineering	Dr. A. K. Sen		Development of Phosphorous based frame retardants for epoxy composites	Technology
20	Ms. Anamica Singh (Ph.D/MB/10013/201 2)	Management	Dr. Meenakshi Sharma		A Study on Brand Building through Green IT for sustainable Development of IT Companies of India	Management
21	Mr. Mukesh Kumar Ojha Ph.D/EC/1052/11	Electronics and Communication Engineering	Dr. M. K. Mukul		Signal Processing Approach for Steady State Visual Evoked Potential Based Brain Computer Interface System	Engineering
22	Mr. Mengu Dinesh Ph.D/SER/10052/201 6	Space Engineering and Rocketry	Dr. Rajiv Kumar		Studies on Regression Rate and Combustion Instabilities of Hybrid Rocket Motor	Engineering
23	Mr. Sravanth Kumar Ramakuri Ph.D/EC/10014/2012	Electronics and Communication Engineering	Dr. Mahesh Chandra		Human Behavior Classification through Brain Computer Interface using Single Electrode EEG for Healthcare Monitoring	Engineering
24	Mr. Sandip Kumar Singh Modak Ph.D/CS/10005/2016	Computer Science and Engineering	Dr. V. K. Jha		A Framework Towards Enhancement in Multibiometric System Based on various fusion Techniques	Technology
25	Mr. Suman Kumar Ph.D/CE/1051/2014	Civil and Environmental Engineering	Dr. Arun Kumar		Influence of Nanosilica on MechanicaL AND Durability Properties of Concrete	Engineering
26	Ms. Qurratulain Ph.D/58/2010	Electronics and Communication Engineering	Dr. Neela Chattoraj		Design and Development of Band Notched UWB antennas	Engineering
27	Ms. Shipra Mishra Ph.D/EC/10016/2012	Electronics and Communication Engineering	Dr. Mahesh Chandra		Advanced Feature Extraction Techniques for Speech recognition	Engineering
28	Ms. Annu Priya Ph.D/CS/10007/2016	Computer Science and Engineering	Dr. S. K. Sahana	1	metaheuristic approach for solving permutation flowship scheduling problem in multiprocessor environment	Engineering
29	Ms. Meeta Verma Ph.D/CE/1052/2010	Civil and Environmental Engineering	Dr. Indrajit Roy		Design of Haul roads in Open Cast Mines in India - A Mechanistic Design Approach	Engineering

30	Mr. Saptarshi Mondal Ph.D/RS/10052/2013	Remote Sensing	Dr. C. Jeganathan		Multi-Scale Mapping of Agriculture in the Complex Mountain Ecosystem of Western Himalya Using Time Series Remote Sensing Data	Science
31	Ms. Upasana Diwan Ph.D/MB/1052/2011	Management	Dr. S. L. Gupta		A Study of Customer Based Brand Equity measurement in the Organized Retail Sector in India	Management
32	Mrs. Gaitri Kumari Ph.D/MB/10004/2014	Management	Dr. A. R. Srivastava		The Economic Potential of Handicraft Enterprised in Rural Development: Study of Jharkhand	Management
33	Mr. Vivek Srivastava Ph.D/MB/10002/2013	Management	Dr.Sunil Kumar Pandey	Dr. Adhip Kumar Mahanty	Retention Strategy and Growth - A comparative study of Top Private Sector Insurance Companies in India	Management
34	Mr. Shailesh Kumar Sarangi Ph.D/ME/10051/2016	Mechanical Engineering	Dr. D. P. Mishra	Dr. Praveen Mishra	Heat transfer Enhancement in a Fin and tube Heat Exchanger using Winglets	Engineering
35	Mr. Ankur Priyadarshi Ph.D./CS/10054/17	Computer Science and Engineering	Dr. S. K. Saha		Development of part of speech Tagger, Stemmer and Named Entity Recognizer in Maithili	Engineering
36	Ms. Sonali Mathur Ph.D/CS/111/2010	Computer Science and Engineering	Dr. S. L. Gupta		Security techniques and Testing on Data Warehouse in Banking Sector	Engineering
37	Ms. Tripta Ph.D/AM/1005/2011	Physics	Dr. Tanushree Bhattacharya	Dr. S. Konar & Dr. Soubhik Chakraborty	Analysis and prediction of air quality in selected regions of Chotanagpur plateau: a statistical approach	Science
38	Ms. Neha Rajak Ph.D/EC/10003/2014	Electronics and Communication Engineering	Dr. Neela Chattoraj		Performance Improvement of Microwave Antenna using Metamaterial	Engineering
39	Ms. Rinkey Ph.D/CS/10016/2012	Computer Science and Engineering	Dr. Piyush Gupta	Dr. Archana Bhatnagar	Development of Cloud Based Architecture for Performance Enhancement of E-Learning Systems	Engineering
40	Ms. Shalini Mahato Ph.D/CS/10052/2016	Computer Science and Engineering	Dr. Sanchita Paul		Machine Learning based EEG Signal Analysis for Detection of Major Depressive Disorder	Engineering
41	Ms. Rakhi Singh PhD/MB/10011/2013	Management	Dr. Vijay Agrawal		A Study of Sustainability of Public Sector Undertakings (PSUs) with Special Reference to Disinvestment Policy	Management
42	Mr. Parthasarathi Mohanty PHD/AP/10053/13	Physics	Dr. S. Keshri		Study on Structural, elemental and electrical conduction properties of corundum type A <sub>4</sub> B <sub>2</sub> O <sub>9</sub> (A=Mg, Co; B=Ta, Nb) microwave dielectric ceramics	Science
43	Mr. Pranav Kumar PhD/CS/10001/14	Computer Science and Engineering	Dr. G. Sahoo		Exploring the Solution Space of Rearrangement of Genome	Engineering

Me Resolution: Approved.

#### AC.108.16 RECONSTITUTION OF BOARD OF STUDIES OF THE DEPARTMENTS

	Existing Board of S	tudies
Internal	Members	
SI. No.	Name of Member	Designation
1	HOD/In-Charge	Chairman (Ex-Officio)
2	Dr. V. Bhattacharjee (HOD)	Professor & Head, CSE
3	Dr. S. Dutta	Professor, CSE
4	Dr. K. S. Patnaik,	Associate Professor, CSE
5	Dr. Sujan Kumar Saha	Associate Professor, CSE
6	Dr. S. Pushkar	Assistant Professor, CSE
7	Dr. Shamama Anwar	Assistant Professor, CSE
Externa	Members	E
SI. No.	Name of Member, Designation, Instit	ute/Company, Full Address
1	Mr. Amitabh Bhattacharjee GM IT Division, Mecon (External Member) Ranchi	
2	Dr. Annapa B, Professor, NITK Surathkal (External Member)	
3	Dr. Asif Ekbal, Associate Professor, IIT Patna (External Member)	
4	Mr. Suparana kanti Das Scientist E DRDO, Kolkata (External Member)	
5	Mr. D.S. Verma, JAPIT (External Member) Ranchi	
6	Dr. Ujjwal Maulik, Professor, CSE Jadavpur University (External Member)	

	Proposed I	Board of Studies		
Internal Members				
SI. No.	Name	Designation	Reason for change	
1	HOD/In-Charge	Chairman (Ex-Officio)		
2	Dr. V. Bhattacharjee (HOD)	Professor & Head, CSE		
3	Dr. S. Dutta	Professor, CSE		
4	Dr. V. K. Jha	Associate Professor, CSE		
5	Dr. K. Rajnish	Associate Professor, CSE		
6	Dr. (Mrs.) Itu Snigdh	Assistant Professor, CSE		
7	Dr. (Mrs) Akriti Nigam	Assistant Professor, CSE		
8	Faculty Member CSE, Nominee of Director BIT Jaipur		2 Year Rotation	
9	Faculty Member CSE, Nominee of Director BIT Patna			
10	Faculty Member CSE, Nominee			
11	Faculty Member CSE, Nominee of Director BIT Noida			
12	Faculty Member CSE, Nominee	of Director BIT Lalpur		
13	Student Representation			
14.	Dr. Sandeep Singh Solanki	Professor & Head, ECE		
15	Dr. Akhouri Pramod Krishna	Professor & Head, DRS		



external Members			
SI. No. Name of Member, Designation, Institute/Company, Full Address			
1	Dr. Pabitra Mitra Professor, IIT Kharagpur, 721302(External Member)		

2	Dr. Vasudeva Varma Professor, IIIT Gachibowli Hyderabad, 500032 (External Member)	
3	Prof. Prem Kumar Kalra, Director, Director Dayalbagh Education Institute, IIT Kanpur UP (External Member)	
4	Dr. Pramod Kumar Mishra Professor & Ex-Head, Senior Member Banaras Hindu University, Varanasi-221005	
5	Dr. Sriparna Saha Associate Professor IIT, Patna (External Member)	
6.	Dr. Jyotsna Kumar Mandal Professor University of Kalyani, West Bengal-741235(External Member)	
7.	Dr. Lobiyal Professor JNU, New Delhi- 110067 (External Member)	
8.	Mrs. Mini Rani Sharma, Ex. Chief Technical Officer, Cyber Security Expert, State Project Manager, Rural Development Department, Government of Jharkhand (External Member)	
9.	Mr. Amit Chaudhary , Co-Founder at Lenskart , South Delhi, (External Member	
10	Mr. Vaibhav Kumar Singh, Manager (Operations), Medium Structural Mill, Durgapur Steel Plant, Steel Authority of India Limited (External Member).	

	Existing	Board of Studies		
Internal	Members			
SI. No.	Name of Member	Designation		Role
1	Dr. Satyaki Sarkar,	Associate Professor, HC Architecture	DD,	Chairman (Ex- Officio)
2	Prof. Manjari Chakraborty	Professor, Architecture		Member
3	Dr. Smriti Mishra	Assistant Professor, Architecture		Member
4	Prof. Akhouri Pramod Krishna Professor & Head Dept. o Remote Sensing		. of	Member
5	Prof Sudeshna Chakravarty	Professor & Head Dept. Civil & Environment Eng		Member
6	Dr. Anamika Nandan	In-charge Dept. of Architecture, BIT Patna		Member
External	Member			
SI. No.	Name of Member, Designation,	Designation, Role Institute/Company, Full Address		Role
1	Prof. Swati Saha Professor	Dept. of Architecture, Town & Regional Planning, IIEST Shibpur	Extern	al Member
2	Ar. Sandeep Jha	Director, AXIS, Ranchi	Extern	al Member

		<b>Proposed Board of</b>	Studies	
Inter	nal Member			
1	Prof. Manjari Chakraborty	Professor, HOD, Architecture & Planning	Ex-officio Chairman	Dr. Satyaki
2	Dr. Smriti Mishra	Assist. Prof., Architecture & Planning	Member	Sarkar, Associate Professor, Transferred BIT Patna
3	Dr. Bimal Chandra Roy	Assist. Prof., Architecture & Planning	Member	





4	Prof. Akhouri Pramod Krishna	Prof. & Head Dept. of Remote Sensing	Member	
5	Prof. Sudeshna Chakravarty	Prof. & Head Dept. of Civil & Environment Engg.	Member	
6	In-charge	Dept. of Architecture, BIT Patna	Member	

External Member				
SI. No.	Name of Member,	Designation, Institute/Company, Full Address	Role	
1	Prof. Chetan Vaidya	Ex-Director, School of Planning and Architecture, New Delhi	External Member	
2	Prof. Gaurav Raheja	Professor, Department of Architecture & Planning, Indian Institute of Technology, Roorkee	External Member	
3	Ar. Sudipto Chakraborty	Ex-Chief Architect, CMPDIL, Ranchi	External Member	
4	Dr. Mini Malhotra	Research & Development Wing, Oak Ridge National Laboratory, Tennessee, USA	External Member	

3. Depa	rtment of Management	
Intornal	Existing Board of Studies Members	
SI.No.	Name of Members	Designation
1.	HOD/ In-charge	Chairman (Ex-Officio)
2.	Dr. Utpal Baul, Professor, Dept. of Management, BIT, Mesra	Member
3.	Dr. Manju Bhagat, Professor, Dept. of Management, BIT, Mesra	Member
4.	Dr. Shradha Shivani, Professor, Dept. of Management, BIT, Mesra	Member
5.	Dr. R.N. Bhagat, Professor, Dept. of Management, BIT, Mesra	Member
6.	Dr. Sraboni Dutta, Associate Professor, Dept. of Management, BIT, Mesra	Member
7.	Dr. Supriyo Roy, Associate Professor, Dept. of Management, BIT, Mesra	Member
8.	Dr. Rohini Jha, Assistant Professor, Dept. of Management, BIT, Mesra	Member
Members	from Allied Department:	
1,	Dr. Vandana Bhattacharjee, Prof. & Head, Dept. of Computer Science and Engineering, BIT, Mesra	Member
2.	Dr. Ritesh Kumar Singh, Associate Professor, Dept. of Production Engineering, BIT, Mesra	Member
and the second second	Members from Academics: (Any One)	
SI.No.	Name of Member, Designation, Institute/ Company, Full Address	Designation
1.	Dr. Tanusree Dutta, Faculty, IIM, Ranchi Mobile No. 9939135277 Email: tanusree@iimranchi.ac.in	Member





2.	Dr. Rakesh Kumar Singh, Professor, IMT Ghaziabad Mobile: 9953596501, Email: rksingh@imt.edu	Member
3	Prof. Partha Pratim Sengupta, Sr. Professor, Humanities &Social Sciences NIT- Durgapur , West Bengal Mobile No. 9434788045 E Mail: pps42003@yahoo.com	Member
Members	from Industry: (Any One)	
1,	Dr. Shivesh Singh, Head Business HR, Bandhan Bank Mobile: 9999002032 Email: shivesh.singh@bandhanbank.com	Member
2.	Dr. P. K. Chatterjee, GM , MECON Ranchi, Mobile: 9470193070 Email: ckpradep61@yahoo.co.uk	
3.	Mr. Shiva Botchu, Associate Director, Deloitte Consulting New Delhi Mobile: 9899773347 Email: shivabotchu@gmail.com	Member

	Proposed Board of Studies	
Interna	al Member:	
SI.No	Name of Members	Designation
1.	HOD/ In-charge	Chairman (Ex-Officio)
2.	Dr. Utpal Baul, Professor, Dept. of Management, BIT, Mesra	Member
3.	Dr. Manju Bhagat, Professor, Dept. of Management, BIT, Mesra	Member
4.	Dr. Shradha Shivani, Professor, Dept. of Management, BIT, Mesra	Member
5.	Dr. R.N. Bhagat, Professor, Dept. of Management, BIT, Mesra	Member
6.	Dr. Supriyo Roy, Associate Professor, Dept. of Management, BIT, Mesra	Member
7.	Dr. Rohini Jha, Assistant Professor, Dept. of Management, BIT, Mesra	Member
8.	Dr. Satyajit Mahto, Assistant Professor, Dept. of Management, BIT, Mesra	Member
Membe	ers from Allied Department:	·
1.	Dr. Vandana Bhattacharjee, Prof. & Head, Dept. of Computer Science and Engineering, BIT, Mesra	Member
2.	Dr. Ritesh Kumar Singh, Associate Professor, Dept. of Production Engineering, BIT, Mesra	Member
	al Member: ers from Academics : (Any One)	
SI.No	Name of Member, Designation, Institute/ Comp	any, Full Address
1.	Dr. Tanusree Dutta, Faculty, IIM, Ranchi Mobile No. 9939135277 Email: tanusree@iimranchi.ac.in	Member
2.	Dr. Rakesh Kumar Singh, Professor, IMT Ghaziabad Mobile: 9953596501 Email: rksingh@imt.edu	Member





3	Prof. Partha Pratim Sengupta, Sr. Professor, Humanities &Social Sciences NIT- Durgapur , West Bengal Mobile No. 9434788045 E Mail: pps42003@yahoo.com	Member
Memb	ers from Industry: (Any One)	
1.	Dr. Shivesh Singh, Head Business HR, Bandhan Bank Mobile: 9999002032 Email: <a href="mailto:shivesh.singh@bandhanbank.com">shivesh.singh@bandhanbank.com</a>	Member
2.	Mr. Priyobrata Bhattacharjee, DGM (Knowledge Management), Birla Corporation Ltd. Birla Cement Works (A MP Birla Group), Durgapur, West Bengal, Mobile: 8170054418/9233313650 Email: priyabrata72@gmail.com	Member
3.	Mr. Shiva Botchu, Senior Manager, Accenture Mobile: 9899773347 Email: shivabotchu@gmail.com	Member

Resolution:

Approved.

#### AC.106.17 REPORTING ITEMS

#### Resolution:

#### Noted with following amendments:

Refer Page No. 16, Serial 7 of the Reporting Items; in the Reconstitution of Doctoral Committee

- i) The name "Sweta Mukherjee" is corrected as "Sweta Kumari".
- ii) "Dr. Supriyo Roy" (Member and Guide) as mentioned in the Existing DC is replaced by "Dr. Rohini Jha" as Member and Guide in the existing as well as proposed DC, whereas "Dr. Supriyo Roy" shall be the Member and Co-Guide in the proposed DC.

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Refer Page No. 20, Serial 4 and 5, of the Reporting Items; in the Reconstitution of Doctoral Committee of the PhD scholars, the name of the proposed member "Dr. (Mrs.) Tanushree Bhattacharya" is replaced by "Dr. (Mrs.) Vandanda".



## AC.108.18 CONSTITUTION OF BOARD OF STUDIES (BoS) OF THE CENTER FOR QUANTITATIVE ECONOMICS AND DATA SCIENCE

Head (Acting), Center for Quantitative Economics and Data Science proposed the constitution of Board of Studies (BoS) for the Center as under:

<b>Propose</b>	d Committee	
SI. No.	Name & Affiliation	Position
Internal	Members	
1.	Head of the Center (CQEDS, BIT Mesra)	Chairman (Ex Officio)
2.	Dr. Manish Kumar Pandey-Assistant Professor (CQEDS, Data Science, BIT Mesra)	Member
3.	Dr. Abhishek Naresh- Assistant Professor (CQEDS, Economics, BIT Mesra)	Member
4.	Dr. Tamalika Koley- Assistant Professor (CQEDS, Statistics, BIT Mesra)	Member
5.	Prof. Sujan Kumar Saha-Associate Professor of CSE, Department of Computer Science & Engineering, Computer Science, BIT Mesra	Member
6.	Prof. S. Chakraborty Professor of Mathematics, Department of Mathematics, BIT Mesra	Member
External	Members	
7.	Prof. Abhirup Sarkar- Professor of Economics, Indian Statistical Institute, Kolkata	Member
8.	Prof. Saikat Sinha Roy – Professor of Economics, Jadavpur University, Kolkata	Member
9.	Prof. Mousumi Dutta - Professor of Economics, Presidency University, Kolkata	Member
10.	Prof. Rahul Mukerjee -Professor of Statistics, Indian Institute of Management, Calcutta	Member
11.	Prof. Pabitra Mitra -Professor of Computer Science, IIT Kharagpur	Member

Resolution: Approved in principle. However, the Council suggested to have more members from the industry.

## AC.108.19 RECOMMENDATION OF BOARD OF STUDIES (BoS) OF THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Board of Studies (BoS) of Department of Computer Science and Engineering in its meeting held on 23<sup>rd</sup> November 2021 proposed the agenda as under:

- i) The course structure restructuring that included a pool of course subjects as per the CBCS norms.
- ii) Executive M.Tech programme to be offered to working professionals as per their requirement that would incorporate flexible timings and flexibility in credit load distribution over the semesters.

Resolution: Approved.



#### AC.108.20 RENAMING OF "QUALITY ASSURANCE & REGULATORY AFFAIRS" TO "PHARMACEUTICAL QUALITY ASSURANCE" IN THE DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY

The Departmental Policy Committee (DPC) in its meeting held on 5<sup>th</sup> October 2021 recommended the renaming of Programme 'Quality Assurance & Regulatory Affairs' to 'Pharmaceutical Quality Assurance' and subsequently approved by the Hon'ble Vice Chancellor.

The Board of Studies (BoS) of Department of Pharmaceutical Sciences & Technology in its meeting held on 17<sup>th</sup> November 2021 recommended the renaming of Programme 'Quality Assurance & Regulatory Affairs' as 'Pharmaceutical Quality Assurance' and also recommended the course structure and syllabus of Pharmaceutical Quality Assurance which is enclosed as annexure.

Resolution: Approved.

## AC.108.21 PROPOSAL FOR RESERVATION FOR FEMALE CANDIDATES IN ALL THE PROGRAMMES IN BIT PATNA OFF-CAMPUS

Director, BIT Off-Campus Patna proposed to incorporate 33% reservation for the female candidates in all the programmes from the next academic session 2022-23 as per the guidelines of Govt. of Bihar.

Resolution: Deferred. Director, BIT Off-Campus Patna, is advised to examine the reservation policy of Bihar Govt. and submit the comprehensive report before

the Council for further deliberation.

#### AC.108.22 ADDITIONAL REPORTING ITEMS

#### 1. PH.D. THESIS TITLE

SI. No.	Name of Scholars	Roll No.	Research Topics	Dept./ Centre
1.	Gaurav Kumar	Ph.D/10053/2017	Effect of Capital Structure on Profitability of manufacturing Companies Listed in BSE/NSE	BITEC, Patna
2.	Nisha Prasad Ph.D/MB/10001/2018		Identification of Factors for Occupational Stress: A Study Based on Resident Doctors Working in Tertairy Healthcare centres in India	BITEC, Patna



#### 2. RECONSTITUTION OF DOCTORAL COMMITTEE

SI.No.	Name & Roll No. of Scholars  Gaurav Kumar Ph.D/MB/10053/ 2017	Existing Committee		Proposed Committee		Reason for Change
1		HOD, Management, BIT Mesra	Chairman, (Ex-Officio)	Director, BIT Off-Campus, Patna	Chairman, (Ex-Officio)	Transferre d from BIT Mesra
		Dr. R.N. Gupta (Dept. Mgt. BIT Mesra)	Member & Guide	Dr. Vijay Agrawal	Member & Guide	to Patna Campus
		Dr. A.N. Jha (Director In- Charge, Lalpur)	Member	Dr. Sunil Pandey	Member	
		Dr. S.K. Bose (Dept. Mgt. BIT Mesra)	Member	Dr. A.K. Mahanty	Member	
		Dr. Ritesh Kumar Singh (Dept. of Production, BIT Mesra)	Member	Dr. Ajit Keshri (CSE)	Member	
		Dr. S.K. Chakraborty, Dept. Mathematics, BIT Mesra)	Member	Dr. P.C. Srivastava (Mathematics)	Member	

Resolution: Noted.

The meeting ended with vote of thanks to the Chair.

Mesra Ranchi

COL SUKHPAL SINGH (RETD.)
Registrar & Member Secretary
Academic Council

Date: 20.12.2021