बिरला प्रौद्योगिकी संस्थान
**BIRLA INSTITUTE OF TECHNOLOGY**
(वि॰अनु॰आ॰ अधिनियम १९५६ की धारा 3 के तहत मानित विश्वविद्यालय | A Deemed to be University u/s 3 of UGC Act, 1956)
मेसरा, राँची- ८३५२१५ (भारत) | **MESRA, RANCHI - 835 215 (INDIA)**

फोन/Phone: (EPBX) 0651-2275444/2275896,2276002/2276006    फैक्स/Fax: 0651-2275401/2276052    वेबसाइट/website: www.bitmesra.ac.in

# AGENDA

# THE 111th MEETING OF THE ACADEMIC COUNCIL

09th March 2023 (Thursday)
Time: 3:30 P.M. (onwards)

## VENUE

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

# बिरला प्रौद्योगिकी संस्थान
## BIRLA INSTITUTE OF TECHNOLOGY
(वि॰अ॰नु॰ ओ॰ अधिनियम १९५६ की धारा 3 के तहत मान्ति विश्वविद्यालय | A Deemed to be University u/s 3 of UGC Act, 1956)
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# AGENDA
## 111th MEETING OF THE ACADEMIC COUNCIL
### (Through Physical/Virtual Mode)

Time : 03:30 P.M. (onwards)                                          09th March 2023

### INDEX

**Member Secretary
and Registrar (Officiating)**

| AC.111.01 | **CONFIRMATION OF MINUTES OF 110TH MEETING OF THE ACADEMIC COUNCIL** |
|---|---|
| | Minutes of the 110th Meeting of the Academic Council, held on 09th October 2022 are enclosed as *[Annexure AC.111.01]*. Minutes were circulated.<br><br>*Annexure-AC.111.01* |
| | *The Academic Council is requested to confirm the same.* |
| AC.111.02 | **ACTION TAKEN REPORT: 110th MEETING OF THE ACADEMIC COUNCIL** |

The Action Taken Report is as below:

| Agenda Item No. | Agenda Item | Action Taken |
|---|---|---|
| AC.110.01 | Confirmation of Minutes of the 109th Meeting | Implemented and Notified |
| AC.110.02 | Action Taken Report of 109th Meeting of the Academic Council | Implemented and Notified |
| AC.110.03 | Ph.D. Viva-voce approval for award of Ph.D. degrees | Implemented and Notified |
| AC.110.04 | Cut-off date for awarding of degrees in the XXXII Convocation | Implementation |
| AC.110.05 | Recommendation of conferment of degrees to Under-graduate, Post-Graduate and Doctor of Philosophy (Ph.D.) Students successfully graduated during September 2021 to September 2022, In The XXXII Convocation of the Institute | Awarded in the XXXII Convocation of the Institute |
| AC.110.06 | Award of Gold Medals to the eligible Under-Graduate Students graduated between September 2021 to September 2022 | Awarded in the XXXII Convocation of the Institute |
| AC.110.07 | M.TECH/M.Sc./M.U.P. extended admissions in the even semester | Noted |
| AC.110.08 | Department of Electrical and Electronics Engineering (approval of course structure & syllabus) | Implemented |
| AC.110.09 | Ratification of Minutes of Examination Committee Meetings | Implemented |
| AC.108.10 | Reporting Items | Implemented |

*The Academic Council is requested to note the same.*

| AC.111.03 | **RATIFICATION OF RECOMMENDATIONS OF ADVISORY COMMITTEE FOR ACADEMIC PROGRAMME (ACAP)** |
|---|---|

Advisory Committee for Academic Programme (ACAP) in its 70th, 72nd, 73rd, 75th, 76th, 77th and 78th meetings 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) **OPTION FOR THE STUDENTS (WHO FAILED IN MOOC) TO CHOOSE SELF-PACED NPTEL+ COURSES AS MOOC.**

The ACAP recommended that the students who failed to score pass marks (40 for UG and 50 for PG) in their NPTEL SWAYAM courses of 12 weeks, NPTEL+ a self-paced course which is open for registration throughout the year can be an alternative to pass in the same course in that semester itself. However the selected course should be of same credit as registered earlier.

The certificate awarded mentions "Qualified" if the student scores at least 50% in all assessments. The NPTEL+ should be allowed for those who are unsuccessful in NPTEL-SWAYAM and willing to complete the course at the earliest. The maximum grade awarded in this case will be C.

The ACAP further recommended that those students who failed in SWAYAM may be allowed to register in any other course of their choice in NPTEL+ if the course in which they failed is not available under SWAYAM, as it is found that some courses in SWAYAM are not available in self-paced NPTEL+. Further, students who failed in the first attempt in SWAYAM can also register in ANY other course in SWAYAM in the next or Special Spring / Monsoon semester in case they are not inclined to take a course from NPTEL+. In all the cases same credit weightage shall be maintained.

## ii) INCLUSION OF COURSE "COMMUNICATION SKILLS" FOR ALL UG PG.

The ACAP recommended to include and implement the course on Communication Skills in collaboration with Cambridge Assessment English for all Undergraduate, Postgraduate students including students of Dept. of PST except PhD.

## iii) FINANCIAL ASSISTANCE TO THE PG (NON-GATE/NON-GPAT) STUDENTS.

a) Financial Assistance of 6500/- Per Month.

b) Offering to top 20% of the Self- Financed Students securing CGPA 8 & Above.

Financial assistance of Rs.6500/- per month for a duration of 10 months (3rd & 4th semester) during the project semester of the PG program in the Institute shall be offered to the top 20% of the self-financed PG (Non-Gate/Non-GPAT) students across all the departments securing CGPA of 8 and above in one attempt.

## iv) Admission to PhD Program for the PG students availing financial assistance of Rs. 6,500/- per month under sponsored category.

In order to increase the number of PhD scholars in the Institute, the ACAP recommended to facilitate the PG students (BITians) admitted in MO 2022 onwards availing financial assistance of Rs. 6,500/- per month for admission to the PhD Program under sponsored category.

## v) ONE PAPER PUBLICATION/COMMUNICATION IN INDEXED JOURNAL OR ONE PATENT FILED BY THE PG STUDENTS.

The ACAP recommended to make a provision for atleast one paper Publication/Communication in the Indexed Journal or one Patent Filed for the submission of all PG Level Theses/Dissertation. The ACAP further recommended that the Paper Published/Communicated or the Patent Filed must be appended with the theses.

**vi) MAXIMUM DURATION OF ONE AND HALF TIMES FOR PROGRAM COMPLETION, EXCLUDING TEMPORARY WITHDRAWAL AND FACILITY FOR THE STUDENTS TO COMPLETE THE BACKLOG COURSE(S).**

The ACAP recommended the following modifications in Clause 12 of the Ordinance for Under-Graduate and Post-Graduate Programmes 2021-22:

a) The students are expected to complete the programme within the specified time. The duration of the programme may be extended beyond the specified duration with the concurrence of the Head of the Department and Dean (UGS) / Dean (PGS). However, under no circumstances the total duration to complete all requirements of a programme will be more than one and half times the normal duration of the programme.

b) The time during which temporary withdrawal was taken by the student will not be counted in calculating the maximum duration of the programme for this purpose.

c) The ACAP also recommended that the students can take temporary withdrawals for a maximum duration of 50% of the normal duration of the program.

d) To facilitate the failed students, the ACAP recommended that these students can register (in compliance with mandatory attendance) for make-up examinations, short semesters and additional semesters for theory courses only. Students can register for the Lab/sessional courses for short and additional semesters.

The ACAP further recommended to include the provision in the UG/PG Ordinances as per the maximum duration for the failed UG/PG students to register and appear in the additional semester, short semester and make-up examination as a maximum one and half times the normal duration of the programme, excluding permissible temporary withdrawal of maximum half time the normal duration of the programme.

**vii) Proposal to amend the Ordinance for Ph.D. Programme 2021 (Clause 6.1, 6.2, 6.5, 13.2, 15(d) regarding criteria for journal publications by the Guide(s), DC Members and PhD Scholars.**

To facilitate the scholars and the faculty members to substantially advance their publication records and enhance the reputation of the Institute, the committee proposed the following publication criteria for Ph.D. scholars enrolled in MO 2018 onwards.

The research scholar must have at least:

two SCI/SCIE/AHCI; or
one SCI/SCIE/AHCI and two Scopus/ABDC; or
three Scopus/ABDC

The list of the journals accepted for publication (to be updated every year) duly discussed in the departmental meeting needs to be forwarded by each of department through the departmental policy committee to the IQAC cell and DPGS office.

| | |
|---|---|
| | The existing eligibility criteria for the DC member and the Ph.D. guide holding a Ph.D. degree to have at least two publications in the last three years may be relaxed, if required, with suitable justification.<br><br>**viii) Admissions to the full time PhD programme from MO 2023 under Institute Research Scholarship with scholarship amount of Rs. 15,000 per month.**<br><br>To financially support large number of Ph. D. students, the ACAP discussed the issue in detail and recommended the proposal as under:<br><br>a) All full-time self-financed PhD scholars admitted to the PhD Program from MO 2023 shall be named as 'Institute Research Scholars (IRS)'.<br><br>b) The IRSs after the registration in the coursework shall be eligible to get a scholarship of Rs. 15,000/- per month for a maximum period of 4 years or till submission of PhD thesis whichever is earlier.<br><br>c) The scholarship amount shall be enhanced to Rs. 20,000/- if the IRS publishes one journal paper indexed in SCI/SSCI/AHCI/SCIE or two journal papers indexed in Scopus/ABDC.<br><br>Enhancement of scholarship amount shall be considered from the date of acceptance of journal paper, if the IRS publishes the criteria paper (1st journal paper ) under the authorship of Scholar and Guide(s) only. |
| | *The Academic Council is requested to ratify the same.* |
| AC.111.04 | **PROPOSAL FROM THE DEPARTMENT OF CHEMICAL ENGINEERING FOR RENAMING OF B.TECH. PROGRAM AND CLOSURE OF I.M.SC. FOOD TECHNOLOGY PROGRAM**<br><br>The Board of Studies of the Department of Chemical Engineering in its meeting held on 03 February 2023 recommended as under:<br><br>i) To close IMSc Food Technology Program from the Academic Year 2023-24.<br><br>ii) To change the nomenclature of the approved program "Food Processing Technology" by the Board of Governors (BoG) in its 71st Meeting to "Food Engineering & Technology".<br>iii) To start new proposed B. Tech. Program "Food Engineering & Technology" Academic Year 2023-24.<br><br>The earlier proposed nomenclature of the course "Food Processing Technology" is changed to "Food Engineering & Technology" making it more generalized. The necessary modifications in the course structure as per UG guidelines of the institute are also made accordingly.<br><br>*Annexure-AC.111.02* |
| | *The Academic Council is requested to approve the same.* |
| AC.111.05 | **PROPOSAL FROM THE DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING TO START UG PROGRAM B.TECH IN ELECTRONICS ENGINEERING (VLSI DESIGN AND TECHNOLOGY)** |

| | | The Board of Studies (BoS) of the Department of Electronics & Communication Engineering in its meeting held on 23 December 2022 recommended to start new B.Tech. program in Electronics Engineering (VLSI Design and Technology). The Department collected feedback from different stakeholders and placed the Course structure and Syllabi before the BoS. The BoS perused the same and found it satisfactory after certain modification. The detailed course structure and syllabi are attached. |
|---|---|---|
| | | *Annexure-AC.111.03* |
| | | *The Academic Council is requested to approve the same.* |
| AC.111.06 | | **PROPOSAL FROM THE CENTRE FOR QUANTITATIVE ECONOMICS AND DATA SCIENCE FOR UPDATING THE COURSE STRUCTURE AND INCLUSION OF COs & POs** |

AC.111.06 **PROPOSAL FROM THE CENTRE FOR QUANTITATIVE ECONOMICS AND DATA SCIENCE FOR UPDATING THE COURSE STRUCTURE AND INCLUSION OF COs & POs**

The Board Of Studies (Bos) Of The Centre For Quantitative Economics And Data Science In Its Meeting Held On 03 March 2023 Recommended As Under:

i) **Updating Course Code in the Course Structure**
The Course Structure of I.M.Sc. (Quantitative Economics and Data Science) was approved by the Academic Council in its 105th Meeting. Further, the course structure with course code till 6th semester was already approved by the Academic Council in its meeting held on 108th meeting.

The same course structure with course code from 7th-10th semester is placed before the Academic Council for approval.

ii) **Inclusion of CO & PO in the Course Syllabi**
The syllabus of I.M.Sc. (Quantitative Economics and Data Science) was approved by the Academic Council in its 105th Meeting. However, the same syllabi after incorporating the COs and POs are placed before the Academic Council for approval.

*Annexure-AC.111.04*

*The Academic Council is requested to approve the same.*

AC.111.07 **PROPOSAL FROM THE DEPARTMENT OF PHYSICS FOR REVION OF COURSES**

The Board of Studies (BoS) of the Department of Physics in its meeting held on 21 February 2023 proposed the agenda as under:

i) The Course Structure of I.M.Sc. (Physics) with course code till 6th semester was already approved by the Academic Council in its meeting held on 108th meeting. The syllabus for the same is placed before the Council for approval.

*Annexure-AC.111.05*

ii) Revision of course structure for M.Sc. (Physics) I-IV semesters / I.M.Sc. (Physics) VII-X semesters alongwith detailed syllabus of the modified courses is placed before the Council for approval.

*Annexure-AC.111.06*

*The Academic Council is requested to approve the same.*

| AC.111.08 | **PROPOSAL FROM THE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING TO CHANGE THE ELIGIBILITY CRITERIA FOR ADMISSION**<br><br>The Departmental Policy Committee (DPC) in its meeting held on 22 February 2023 proposed to reconsider the eligibility criteria for admission to M.Tech (Environmental Science and Engineering) program as under: |
|---|---|

| Eligibility Criteria (Existing) | Eligibility Criteria (Proposed) |
|---|---|
| i) B.Tech. in any branch or M.Sc. in Environmental Sciences/Biological Sciences or similar disciplines. | i) M.Sc. in Environmental Sciences/ Life Sciences/Chemical Sciences/ Physical Sciences/Earth Sciences/ Allied disciplines.<br>ii) B.E. / B.Tech. in any branch |

| | *The Academic Council is requested to approve the same.* |
|---|---|
| AC.111.09 | **PROPOSAL FROM THE DEPARTMENT OF SPACE ENGINEERING AND ROCKETRY TO INCLUDE DEGREES/DISCIPLINES IN THE ELIGIBILITY CRITERIA FOR ADMISSION TO M.TECH. AEROSPACE ENGINEERING**<br><br>The Board of Studies (BoS) of the Department of Space Engineering and Rocketry in its meeting held on 21 February 2023 proposed for the inclusion of degrees/disciplines in the eligibility criteria for admission to M.Tech. Aerospace Engineering as under:<br><br>i) B. Tech. in any relevant discipline along with A.M.Ae.S.I./ A.M.I.E./A.M.I.Ch.E<br>ii) M. Sc. in Physics/ Mathematics with a valid GATE score. |
| | *The Academic Council is requested to approve the same.* |
| AC.111.10 | **DEPARTMENT OF MANAGEMENT-RECOMMENDATION OF BOARD OF STUDIES FOR REVISION OF COURSES**<br><br>The Board of Studies of the Department of Management in its meeting held on 09 November 2022 recommended the revision courses of 2nd semester of MBA program. The Hon'ble Chairman, Academic Council approved the same.<br><br>*Annexure-AC.111. 07* |
| | *The Academic Council is requested to ratify the same.* |
| AC.111.11 | **APPROVAL OF THE STATEMENT OF VISION & MISSION OF THE UNIVERSITY POLYTECHNIC**<br><br>**UNIVERSITY POLYTECHNIC**<br>**VISION**<br><br>To emerge as a leading technical training institution in the country and serve the nation and engineering profession with distinction by developing the most skilled human resources with comprehensive and modern training and skillsets in selected engineering disciplines and trades.<br><br>**MISSION**<br><br>• To administer a technical training institute of highest standard of education and training commensurate with modern engineering practices. |

- To offer technical degree, diploma and certificate courses to cater to contemporary demand and relevance to the engineering industry.
- To adopt and implement modern curriculum of technical education and training.
- To continuously upgrade the infrastructure necessary for practical training with new and contemporary machines and methods.
- To arrange on job training and internships for the students and staff members with proper supervision.
- To liaise with industry for internship and collaboration, and also, for arranging periodic review of infrastructure and training methods and modernizing teaching and training curriculum.
- To create special program for the youth of the State of Jharkhand to help them acquire entrepreneurial and managerial skills, manufacturing capability, career advancement training and professional confidence.

*The Academic Council is requested to approve the same.*

| AC.111.12 | **TO CONSIDER THE APPLICATIONS SUBMITTED BY THE FACULTY FOR PERMISSION TO BE A CO-SUPERVISOR OF THE EXTERNAL PH.D. SCHOLARS** |
|---|---|

Based on the request of the following faculty members to be the co-supervisor of the external Ph.D. scholars as under, the Hon'ble Vice-Chancellor approved.

| Name & Designation of the Faculty | Department / Centre | Name of the PhD Scholars | Pursuing PhD from |
|---|---|---|---|
| Dr. Abhijit Mondal Asst. Professor | Chemical Engg., BIT Mesra | Ms. Tania Paul | NIT Agartala |
| | | Mr. Joydeep Das | |
| Dr. Kalyan Koley Asst. Professor, | ECE, BIT Mesra | Ashish Maurya | IIT (ISM), Dhanbad |
| | | Pankaj Kumar | |
| Dr. Amit Kumar Asst. Professor | BIT Patna Campus | Ms. Ankit Kumar | T.M. Bhagalpur University |
| | | Abhinav Kumar Pandey | |
| | | Akhil Ranjan Kumar | |
| Dr. G.P. Mishra Professor | BIT Jaipur Campus | Preeti Gaikwad | Symbiosis Institute of Management Studies, Pune |
| Dr. Niket Mehta Asst. professor | BIT Noida Campus | Deepak Sharma | Poornima University, Jaipur |

*The Academic Council is requested to ratify the same.*

| AC.111.13 | **REQUEST BY ABHIJIT KUMAR AND RECOMMENDATION OF OFF-CAMPUS ACADEMIC COMMITTEE TO TRANSFER PHD WORK FROM BIT PATNA TO BIT MESRA.** |
|---|---|

Based on the request of the candidate and recommendation of the Off-Campus Academic Committee (OAC), the ACAP in its 77th meeting permitted Abhijit Kumar (Roll No. PhD/CS/10024/20) to transfer from BIT Patna campus to the Department of CSE, BIT Mesra to carry out the research work. The same was approved by the Hon'ble Vice-Chancellor.

*The Academic Council is requested to ratify the same.*

| AC.111.14 | **PROPOSAL FROM BIT JAIPUR CAMPUS TO INCRESE / REDUCE IN INTAKE** |
|---|---|

The Director, BIT Jaipur Campus with consent of the Head (Department of CSE, ECE and EEE) proposed to increase and reduce in intake for the various programs as under:

| Program | Current Intake | Requested for increase in intake | Requested for reduction in intake | Total intake after increase /reduce |
|---|---|---|---|---|
| B.Tech (CSE) | 60 | 60 | - | 120 |
| B.Tech (ECE) | 60 | - | 30 | 30 |
| B.Tech (EEE) | 60 | - | 30 | 30 |

*The Academic Council is requested to approve the same.*

## AC.111.15 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 26 Ph.D. scholars listed below and approve the award of Ph.D. Degree to them provisionally:

| SN | Name & Roll No. | Department | Guide | Co-Guide | Title of Thesis | Date of viva voce | Degree Awarded in |
|---|---|---|---|---|---|---|---|
| 1. | Harsh PhD/MB/10010/14 | Management | Dr. Asha Prasad | - | Impact of Employment Relations on Firm Performance: A Study on Manufacturing in NCR | 23-09-2022 | Management |
| 2. | Avinash PhD/EC/10002/15 | Electronics and Communication Engineering | Dr. Nisha Gupta | - | Design and Development of Low-Cost Electromagnetic Absorber | 13-10-2022 | Engineering |
| 3. | Keshav Sinha PhD/CS/10063/17 | Computer Science and Engineering | Dr. Amritanjali | Dr. P Paul | Development of Enhanced Cryptography based Model for Multimedia Security in Distributed Environment | 19-10-2022 | Engineering |
| 4. | Shilpee PhD/EE/10051/16 | Electrical and Electronics Engineering | Dr. Sarbani Chakraborty | - | Robust Controller Design for LEO Small-satellites using Uncertainty and Disturbance Estimation-based Control Strategy | 10-11-2022 | Engineering |
| 5. | Soumya Ray PhD/CS/10051/14 | Computer Science and Engineering | Dr. Kamta Nath Mishra | Prof. Sandip Dutta | Sensitive Data Security Assurance in M-health Systems using Big Data Computing Technologies | 11-11-2022 | Engineering |
| 6. | Ritesh Jha PhD/CS/10012/18 | Computer Science and Engineering | Dr. V. Bhattacharjee | Dr. Abhijit Mustafi | Representation Learning Techniques for Predictive Analytics of Healthcare Data | 11-11-2022 | Engineering |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7. | Anulal Mahto PhD/PE/10054/13 | Production and Industrial Engineering | Dr. Manish Oraon | - | Work Design for Competitive Advantage in Manufacturing Environment | 12-11-2022 | Engineering |
| 8. | Kumar Gaurav PhD/MB/10053/17 | Management | Dr. Vijay Agrawal | | Effect of Capital Structure on Profitability of Manufacturing Companies Listed in BSE/NSE | 09-12-2022 | Management |
| 9. | Priyanka Kumari PhD/CS/10004/16 | Computer Science and Engineering | Dr. SK Sahana | - | Development of Efficient Swarm Intelligence Based Multicast Routing Techniques for MANETs | 06-12-2022 | Engineering |
| 10. | Rashi Malpani PhD/MB/10002/16 | Management | Dr. Anupam Ghosh | - | Sustainable Entrepreneurship with emphasis on Corporate Social Responsibility (CSR) Activities of Indian Startup Companies | 13-12-2022 | Management |
| 11. | Savita Sodhi PhD/MB/10056/16 | Management | Dr. Anupam Ghosh | - | Study to Develop the Foundations of Sustainable Product Life Cycle: An Indian Perspective | 16-12-2022 | Management |
| 12. | Sabya Sachi Das PhD/PH/10006/2017 | Pharmaceutical Sciences and Technology | Dr. Sandeep Kr Singh | Dr. PRP Verma | Formulation Development and Biological Evaluations of Quercetin-Loaded Nanoemulsion | 21-12-2022 | Pharmacy |
| 13. | Neeraj Parihar PhD/73/2009 | Remote Sensing | Dr. V S Rathore | External Guide - Dr. Shiv Mohan | Mining Hazard Vulnerability and Risk Assessment of Jharia Coal Fields, India - A Multi Sensor Approach | 03-01-2023 | Science |
| 14. | Mousam Kumar Ram PhD/BT/10004/2014 | Bioengineering and Biotechnology | Dr. DM Pandey | Dr. Koel Mukherjee | Identification and role of miRNA in regulation of drought specific genes in peanut (*Arachis hypogaea* L.) | 26-12-2022 | Science |
| 15. | Ravi Shastri PhD/ME/10055/2017 | Mechanical Engineering | Dr. Lakhbir Singh Brar | - | Performance Analysis of Cyclone Separators with Different Geometries | 06-01-2023 | Engineering |
| 16. | Prashanta Kumar Deb PhD/PH/10003/2018 | Pharmaceutical Sciences and Technology | Dr. Biswatrish Sarkar | | Development of phytopharmaceutical from *Clerodendrum glandulosum* Lindl. for the management of myocardial infarction and cardiac hypertrophy | 09-01-2023 | Pharmacy |

| 17. | Prem Prakash PhD/EE/1052/2 010 | Electrical and Electronics Engineering | Dr. R C Jha | | Optimal Location of DERs and VAR Injection Considering Reliability and Hosting Capacity of Distribution System | 18-01-2023 | Engineering |
|---|---|---|---|---|---|---|---|
| 18. | Sheikh Murtuja PhD/PH/10051/ 2016 | Pharmaceutic al Sciences and Technology | Dr. B N Sinha | Co guide - Dr Venkat esan J | Design and Development of Antiviral Agents for the Treatment of Dengue Viral Infection | 15-12-2022 | Pharmacy |
| 19. | Vani Ashok Hiremani PhD/CS/10003/ 2018 | Computer Science and Engineering | Dr KK Senapati | | Geographical Region wise Face Classification using Deep Learning Techniques | 08-02-2023 | Engineering |
| 20. | Sitakanta Maharatha PhD/EC/1009/2 011 | Electronics and Communicatio n Engineering | Dr Mainak Mukhopadh yay | | Development of a New Direction of Arrival (DOA) Estimation Algorithm for Smart Antenna | 10-02-2023 | Engineering |

*The Academic Council is requested to approve the same.*

| AC.111.16 | **RE-CONSTITUTION OF BOARD OF STUDIES** |
|---|---|

**I. Department of Hotel Management and Catering Technology**

**Existing Board of Studies**

**Internal Members**

| Sl. No. | Name | |
|---|---|---|
| 1. | HoD / Incharge, Dept. of HMCT | Chairman (Ex-officio) |
| 2. | Dr. Praveen Srivastava, Asst. Professor, Dept. of HMCT | Member |
| 3. | Dr. Nishikant Kumar, Asst. Professor, Dept. of HMCT | Member |
| 4. | Dr. Abhisek Jana, Asst. Professor, Dept. of HMCT | Member |
| 5. | Dr. Amit Saran, Asst. Professor, Dept. of HMCT | Member |
| 6. | Dr. Rajeshwari Chatterjee, Asst. Professor, Dept. of HMCT | Member |
| 7. | Mr. Sanjiv Kr. Srivastava, Asst. Professor, Dept. of HMCT | Member |
| 8. | Mr. Gautam Shandilya, Asst. Professor, Dept. of HMCT | Member |
| 9. | Dr. B. N. Sinha, Professor, Dept of Pharm. Scs. & Tech. | Member |
| 10. | Dr. Shradha Shivani, Professor, Dept. of Management | Member |
| 11. | Dr. Shashwati Ghosh Sachan, Asso. Prof., Dept. of Bioengg. & Biotech. | Member |
| 12. | One student representative of UG Program | Member |

**External Members (any two)**

| Sl. No. | Name, Designation, Institute/Company, Full Address | |
|---|---|---|
| 1. | General Manager, Hotel Radisson Blu, Ranchi | |
| 2. | General Manager, Chanakya BNR Hotel, Ranchi | Member |
| 3. | Principal, IHM Hazipur, Bihar | Member |
| 4. | GM, JTDC, Ranchi | Member |

| | | 5. | General Manager, Capitol Residency, Ranchi | |
| | | 6. | Convenor, INTACH, Jharkhand | |
| | | 7. | Director, Airport, Ranchi | Member |

## Proposed Board of Studies

### Internal Members

| Sl. No. | Name | |
|---|---|---|
| 1. | HoD / Incharge, Dept. of HMCT | Chairman (Ex-officio) |
| 2. | Dr. Praveen Srivastava, Asst. Professor, Dept. of HMCT | Member |
| 3. | Dr. Nishikant Kumar, Asst. Professor, Dept. of HMCT | Member |
| 4. | Dr. Abhisek Jana, Asst. Professor, Dept. of HMCT | Member |
| 5. | Dr. Amit Saran, Asst. Professor, Dept. of HMCT | Member |
| 6. | Mr. Sanjiv Kr. Srivastava, Asst. Professor, Dept. of HMCT | Member |
| 7. | Mr. Gautam Shandilya, Asst. Professor, Dept. of HMCT | Member |
| 8. | Dr. B. N. Sinha, Professor, Dept of Pharm. Scs. & Tech. | Member |
| 9. | Dr. Shradha Shivani, Professor, Dept. of Management | Member |
| 10. | Dr. Shashwati Ghosh Sachan, Asso. Prof., Dept. of Bioengg. & Biotech. | Member |

### External Members (any two)

| Sl. No. | Name, Designation, Institute/Company, Full Address | |
|---|---|---|
| 1. | General Manager, Hotel Radisson Blu, Ranchi | Member |
| 2. | General Manager, Chanakya BNR Hotel, Ranchi | Member |
| 3. | Principal, IHM Hazipur, Bihar | Member |
| 4. | GM, JTDC, Ranchi | Member |
| 5. | General Manager, Capitol Residency, Ranchi | Member |
| 6. | Convenor, INTACH, Jharkhand | Member |
| 7. | Director, Airport, Ranchi | Member |

## II. Centre for Quantitative Economics and Data Science (CQEDS)

### Existing Board of Studies

### Internal Members

| Sl. No. | Name | |
|---|---|---|
| 1. | Head of the Centre / Incharge, CQEDS | Chairman (Ex-officio) |
| 2. | Dr. Manish Kumar Pandey, Asst. Professor, CQEDS, Data Science | Member |
| 3. | Dr. Abhishek Naresh- Asst. Professor, CQEDS, Economics | Member |
| 4. | Dr. Tamalika Koley- Asst. Professor, CQEDS, Statistics | Member |
| 5. | Dr. Sujan Kumar Saha, Asso. Professor, Department of CSE | Member |
| 6. | Dr. S. Chakraborty, Professor, Dept. of Mathematics | Member |

### External Members (any two)

| Sl. No. | Name, Designation, Institute/Company, Full Address | Chairman (Ex-officio) |
|---|---|---|
| 1. | Prof. Abhirup Sarkar<br>Professor of Economics, Indian Statistical Institute, Kolkata | Member |
| 2. | Prof. Saikat Sinha Roy<br>Professor of Economics, Jadavpur University, Kolkata | Member |
| 3. | Prof. Mousumi Dutta<br>Professor of Economics, Presidency University, Kolkata | Member |
| 4. | Prof. Rahul Mukerjee<br>Professor of Statistics, Indian Institute of Management, Calcutta | Member |

| 5. | Prof. Pabitra Mitra | Member |
| | Professor of Computer Science, IIT Kharagpur | |

### Proposed Board of Studies

**Internal Members**

| Sl. No. | Name | |
|---|---|---|
| 1. | Head of the Centre / Incharge, CQEDS | Chairman (Ex-officio) |
| 2. | Dr. Manish Kumar Pandey, Asst. Professor, CQEDS, Data Science | Member |
| 3. | Dr. Abhishek Naresh- Asst. Professor, CQEDS, Economics | Member |
| 4. | Dr. Tamalika Koley- Asst. Professor, CQEDS, Statistics | Member |
| 5. | Dr. K. Sridhar Patnaik, Asso. Professor, Department of CSE | Member |
| 6. | Prof. S. Padhi, Professor, Dept. of Mathematics | Member |

**External Members (any two)**

| Sl. No. | Name, Designation, Institute/Company, Full Address | |
|---|---|---|
| 1. | Mr. Mayank<br>CEO & Managing Director, Adrosonic | Member |
| 2. | Prof. Saikat Sinha Roy<br>Professor of Economics, Jadavpur University, Kolkata | Member |
| 3. | Prof. Mousumi Dutta<br>Professor of Economics, Presidency University, Kolkata | Member |
| 4. | Prof. Rahul Mukerjee<br>Professor of Statistics, Indian Institute of Management, Calcutta | Member |
| 5. | Prof. Pabitra Mitra<br>Professor of Computer Science, IIT Kharagpur | Member |

### III.    Department of Architecture and Planning
### Existing Board of Studies

**Internal Members**

| Sl. No. | Name | |
|---|---|---|
| 1. | HoD / Incharge, Dept. of Architecture and Planning | Chairman (Ex-officio) |
| 2. | Prof. Manjari Chakraborty, Professor, Dept. of ARP | Member |
| 3. | Dr. Smriti Mishra, Asso. Professor, Dept. of ARP | Member |
| 4. | Dr. Bimal Chandra Roy, Asst. Professor, Dept. of ARP | Member |
| 5. | Prof. Akhouri Pramod Krishna,  Professor, Dept. of Remote Sensing | Member |
| 6. | Prof. Sudeshna Chakravarty, Professor, Dept. of Civil & Env. Engg. | Member |
| 7. | In-charge, Dept. of Architecture, BIT Patna | Member |

**External Members (any two)**

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

## Proposed Board of Studies

### Internal Members

| Sl. No. | Name | |
|---|---|---|
| 1. | HoD / Incharge, Dept. of Architecture and Planning | Chairman (Ex-officio) |
| 2. | Dr. Smriti Mishra, Asso. Professor, Dept. of ARP | |
| 3. | Prof. Manjari Chakraborty, Professor, Dept. of ARP | Member |
| 4. | Dr. Satyaki Sarkar, Professor, Dept. of ARP | Member |
| 5. | Dr. Bimal Chandra Roy, Asst. Professor, Dept. of ARP | Member |
| | Dr. Rajan Chandra Sinha, Asso Prof., Dept. of ARP | |
| 6. | Prof. Akhouri Pramod Krishna, Professor, Dept. of Remote Sensing | Member |
| 7. | Prof. Sudeshna Chakravarty, Professor, Dept. of Civil & Env. Engg. | Member |
| 8. | In-charge, Dept. of Architecture, BIT Patna | Member |
| 9. | In-charge | Member |
| 10. | Final Yr. MUP (PG) student | Member |
| 11. | Final Yr. B. Arch (UG) student | Member |

### External Members (any two)

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

## IV. Department : Electrical & Electronics Engineering

### Existing Board of Studies

#### Internal Member

| Sl. No. | Name | |
|---|---|---|
| 1. | HoD / Incharge, Dept. of EEE | Chairman (Ex-officio) |
| 2. | Dr. T. Ghose, Professor | Member |
| 3. | Dr. D. K. Mohanta, Professor | Member |
| 4. | Dr. (Mrs.) Vijaya Laxmi, Professor | Member |
| 5. | Dr. (Mrs.) Sarbani Chakraborty, Professor | Member |
| 6. | Dr. Sudhansu Kumar Mishra, Assistant Professor | Member |
| 7. | Dr. Deepak Kumar, Assistant Professor | Member |
| 8. | Dr. S.S. Solanki , Professor, Dept. of ECE | Member |
| 9. | Dr. (Mrs. ) Aruna Jain, Associate Professor, Dept. of CSE | Member |
| 10. | Dr. Deep Shekhar Acharya, Assistant Professor, BIT Deoghar | Member |
| 11. | Mr. Sanjay Kumar, Assistant Professor, BIT Patna | Member |
| 12. | Dr. P.S. Rathore, Assistant Professor, BIT Jaipur | Member |
| 13. | Dr. (Mrs.) Aparajita Pandey, Assistant Professor, BIT Jaipur | Member |
| 14. | Ph.D. Scholar Representative | Member |
| 15. | M. Tech. Student Representative | Member |
| 16. | B. Tech. Student Representative | Member |

**External Members**

| Sl. No. | Name, Designation, Institute/Company, Full Address | |
|---|---|---|
| 1. | Prof. Amitava Chatterjee, Professor, Department of Electrical Engineering, Jadavpur University | Member |
| 2. | Prof. Anup Kumar Panda, Professor, Department of Electrical Engineering, NIT Rourkela | Member |
| 3. | Prof. Nilanjan Senroy, Professor, Department of Electrical Engineering, IIT, Delhi | Member |
| 4. | Mr. Partha Pratim Sen, Chief General Manager (CGM), Electrical, MECON Ltd., Ranchi | Member |

| Sl. No. | Name | |
|---|---|---|
| 1. | HOD, EEE, Chairman BOS | Member |
| 2. | Dr. T. Ghose, Professor | Member |
| 3. | Dr. R.C.Jha, Professor | Member |
| 4. | Dr. (Mrs.) Vijaya Laxmi, Professor | Member |
| 5. | Dr. (Mrs.) Sarbani Chakraborty, Professor | Member |
| 6. | Dr. Sudhansu Kumar Mishra, Assistant Professor | Member |
| 7. | Dr. Deepak Kumar, Assistant Professor | Member |
| 8. | Dr. S.S. Solanki , Professor, Dept. of ECE | Member |
| 9. | Dr. V.K. Jha, Associate Professor, Dept. of CSE | Member |
| 10. | Dr. Piyush Kumar Ojha , Assistant Professor, BIT Deoghar | Member |
| 11. | Dr. Mayank Singh, Assistant Professor, BIT Patna | Member |
| 12. | Dr. P.S. Rathore, Assistant Professor, BIT Jaipur | Member |
| 13. | Dr. (Mrs.) Aparajita Pandey, Assistant Professor, BIT Jaipur | Member |
| 14. | Ph.D. Scholar Representative | Member |
| 15. | M. Tech. Student Representative | Member |
| 16. | B. Tech. Student Representative | Member |

**External Members**

| Sl. No. | Name, Designation, Institute/Company, Full Address | |
|---|---|---|
| 1. | Prof. Amitava Chatterjee, Professor, Department of Electrical Engineering, Jadavpur University | Member |
| 2. | Prof. Anup Kumar Panda, Professor, Department of Electrical Engineering, NIT Rourkela | Member |
| 3. | Prof. Nilanjan Senroy, Professor, Department of Electrical Engineering, IIT, Delhi | Member |
| 4. | Mr. Partha Pratim Sen, Chief General Manager (CGM), Electrical, MECON Ltd., Ranchi | Member |

*The Academic Council is requested to approve the same.*

| | |
|---|---|
| AC.111.17 | **CONSTITUTION OF BOARD OF STUDIES (BOS) FOR M.SC. IN BIOINFORMATICS AT BIT JAIPUR CENTRE**<br><br>The Professor Incharge Bioengineering and Biotechnology, Director, Jaipur Campus and HOD, Department of Bioengineering and Biotechnology, BIT Mesra proposed the constitution of Board of Studies (BoS) M.Sc. in Bioinformatics at BIT Jaipur Campus as under: |

### BIT Jaipur Campus

### Board of Studies

#### Internal Member

| Sl. No. | Name | |
|---|---|---|
| 1. | Head, Dept of Bioengineering and Biotechnology | Chairman (Ex-officio) |
| 2. | Dr. Peeyush Tiwari, Director, BIT, Mesra, Jaipur off campus | Member |
| 3. | Dr. Krishna Mohan Medicherla, Prof. Bioengineering & Biotechnology, BIT, Jaipur | Member |
| 4. | Dr. Pooran Singh Solanki, Asst. Prof. Bioengineering & Biotechnology, BIT, Jaipur | Member |
| 5. | Dr. Raj Kumar Gothwal, Asst. Prof. Bioengineering & Biotechnology, BIT, Jaipur | Member |
| 6. | Dr. Vishwambhar Pathak, Asst. Prof. Computer Science & Engineering, BIT, Jaipur | Member |
| 7. | Dr. Gurminder Singh Malhotra. Assoc. Prof. Sciences, BIT, Jaipur | Member |
| 8. | Dr. Kunal Mukhopadhyay, Dean, Faculty of Sciences, BIT, Ranchi | Member |
| 9. | Dr. Rakesh Kumar Sinha, Prof. & Head, Bioengineering & Biotechnology, BIT, Ranchi | Member |
| 10. | Dr. Vinod Kumar Nigam, Prof. Bioengineering & Biotechnology, BIT, Ranchi | Member |
| 11. | Dr. Raju Poddar, Assoc. Prof. Bioengineering & Biotechnology, BIT, Ranchi | Member |

#### External Members

| Sl. No. | Name, Designation, Institute/Company, Full Address | |
|---|---|---|
| 1. | Dr. N Subba Rao, Prof. School of Computational & Integrative Sciences, JNU, New Delhi | Member |
| 2. | Dr. Pawan K Dadheech, Prof. Microbiology, Central University, Kishangarh, Rajasthan | Member |
| 3. | Dr. Prashant Suravajihala, Principal Scientist, Systems Genomics, Amrita Institute of Biotechnology. Kerala | Member |
| 4. | Dr. US Raghavendar, Data and Artificial Intelligence Biomedical Informatics Lead, Accenture, Bangalore. | Member |

### *The Academic Council is requested to approve the same.*

| AC.111.18 | **REPORTING ITEMS** |
|---|---|

| | | | |
|---|---|---|---|
| 1. | Registration, formation of Doctoral Committee | : | [54 Candidates] |
| 2. | Pre-Ph.D. Qualifying Papers | : | [54 Candidates] |
| 3. | Change/Modification in the Ph. D. Thesis/Title | : | [14 Candidates] |
| 4. | Reconstitution of Doctoral Committee | : | [56 Candidates] |
| 5. | Addition / Change of Guide | : | [13 Candidates] |
| 6. | De-Registration from the Ph.D. Programme | : | [08 Candidates] |
| 7. | Permission for Extension for Pursuing PhD. | : | [15 Candidates] |
| 8. | Transfer from Full Time to Part Time | : | [12 Candidates] |
| 9. | Transfer from Part Time to Full Time | : | [01 Candidates] |

| | |
|---|---|
| | 10. Transfer of Ph.D. Scholar from one campus to another campus: [02 Candidates]<br><br>11. Constitution/ Re-structuring of Departmental Academic     :[05 Departments]<br>Committee/ (DAC) / Off-Campus Academic<br>(Architecture & Planning, EEE, Remote Sensing, CQEDS,<br>BITEC- Deoghar Campus)<br><br>*Annexure-AC.III. 08* |
| | *The Academic Council is requested to note the same.* |
| **AC.109.19** | **ANY OTHER AGENDA WITH THE PERMISSION OF THE CHAIR.** |
| | |

*Sandip Dutta*

**Member Secretary**
**and Registrar (Officiating)**

**Date: 07th March 2023**
**Place: Ranchi**

**REGISTRAR**
Birla Institute of Technology
Mesra, Ranchi-835215

# SUPPLEMENTARY AGENDA

# THE 111ᵗʰ MEETING OF THE ACADEMIC COUNCIL

09ᵗʰ March 2023 (Thursday)
Time: 3:30 P.M. (onwards)

## VENUE

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

| AC.111.19 | **DEPARTMENT OF MANAGEMENT-RECOMMENDATION OF BOARD OF STUDIES FOR REVISION OF COURSES**<br><br>The Board of Studies of the Department of Management in its meeting held on 02 June 2022 recommended the revision courses as under. The Hon'ble Chairman, Academic Council approved the same.<br><br>i) Syllabus of MT 132 (Communication Skills)<br>ii) Syllabus of BBA (2nd – 6th Semester)<br>iii) Syllabus of MBA (1st Semester)<br><br>The course structure for the above courses was already approved in 109th meeting of the Academic Council<br><br>*Annexure-AC.111.09* |
|---|---|
| | *The Academic Council is requested to ratify the same.* |
| AC.111.20 | **PROPOSAL FROM THE DEPARTMENT OF BIOENGGINERING AND BIOTECHNOLOGY TO INTRODUCE A BRIDGE COURSE IN MATHEMATICS**<br><br>The Department of Bioengineering and Biotechnology in its Board of Studies meeting held on 11 October 2022 proposed to introduce a bridge course in Mathematics for the B.Tech (Biotechnology) students admitted from MO 2022 through Institute counselling. The Hon'ble Chairman, Academic Council approved the same.<br><br>*Annexure-AC.111.10* |
| | *The Academic Council is requested to ratify the same.* |
| AC.111.21 | **PROPOSAL FROM BIT JAIPUR CAMPUS TO MODIFY FEW COURSES FOR B.SC. (ANIMATION & MULTIMEDIA) AND M.SC. (ANIMATION DESIGN)**<br><br>The Board of Studies in its meeting proposed to modify few courses of B.Sc. (Animation & Multimedia) and M.Sc. (Animation Design) as under:<br><br>i) To balance the credit points, few modifications were made in the course structure of B.Sc. (Animation & Multimedia) and M.Sc. (Animation Design). R1 is written after to all modified course code. The new course structure of B.Sc. and M.Sc. are enclosed.<br><br>*Annexure-AC.111.11* |
| | *The Academic Council is requested to approve the same.* |

*[Institute seal: Birla Institute of Technology, Mesra, Ranchi]*

**Member Secretary
and Registrar (Officiating)**

**Date: 09th March 2023
Place: Ranchi**

**REGISTRAR**
Birla Institute of Technology
Mesra, Ranchi-835215