

# **BIRLA INSTITUTE OF TECHNOLOGY**

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

## **MESRA, RANCHI**



### **VENUE:**

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



# BIRLA INSTITUTE OF TECHNOLOGY

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## THE MINUTES OF THE 105<sup>TH</sup> MEETING OF THE ACADEMIC COUNCIL HELD ON 13<sup>TH</sup> JULY 2021

### MEMBERS 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 & 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)	Member			
10.	Dr. Sanjay K. Jha (COE)	Member			
11.	Dr. K. K. Senapati (COA)	Member			
12.	Dr. Satyaki Sarkar Asso. Prof. & HoD (Architecture and Planning)	Member			
13.	Dr. Rakesh Kumar Sinha Prof. & HoD (Bioengineering and Biotechnology)	Member			
14.	Dr. Gautam Sarkhel Prof. & HoD Chemical Engineering	Member			
15.	Dr. Ashoke Sharon Prof. & HoD Chemistry	Member			
16.	Dr. Sudeshna Chakravarty Prof. & HoD (CEE)	Member			
17.	Mrs.(Dr.) V. Bhattacharjee Prof. & HoD (CSE).	Member			
18.	Dr. S.S. Solanki Prof. & HoD (ECE) & Director (Univ. Polytechnic)	Member			
19.	Dr.(Mrs.) Sarbani Chakraborty Prof. & HoD (EEE)	Member			
20.	Dr. Nishikant Kumar In-Charge (HMCT)	Member			
21.	Dr. Shradha Shivani Prof.&HoD Management	Member			
22.	Dr. Seshadev Padhi Prof.&HoD Mathematics Thr. Dr. Peeyush Tiwari, Asso. Professor	Member			
23.	Dr. Dipti P. Mishra Prof. & HoD (Mechanical Engg).	Member			
24.	Dr. Swastika Ganguly Prof.&HoD (Pharm. Sc. & Tech).	Member			
25.	Dr. S.K. Sinha Prof. & HoD (Physics)	Member			
26.	Dr. Joyjeet Ghose	Member			
27.	Asso. Prof. & HoD (Production and Industrial Engineering) Thr. Dr. R.K. Singh, Asso. Professor				
28.	Dr. A.P. Krishna Prof. & HoD (Remote Sensing)	Member			
29.	Dr. Mohan Varma Prof. & Head (SE&R)	Member			
30.	Dr. Ramesh Chandra Professor (Bioengineering and Biotechnology)	Member			
31.	Dr. (Mrs.) Sudipta Goswami Professor (Chemical Engineering)	Member			
32.	Dr. (Mrs.) Usha Jha Professor (Chemistry)	Member			
33.	Dr. P.K. Srivastava Professor (Chemistry)	Member			
34.	Dr. J.P. Pandey Professor (Chemistry)	Member			
35.	Dr. Birendra Kr. Singh Professor (Civil & Env. Engg)	Member			
36.	Dr. (Mrs.) Bindhu Lal Professor (Civil & Env. Engg.)	Member			
37.	Dr. Rajeev R. Sahay Professor (Civil & Env. Engg.)	Member			
38.	Dr. Sandip Dutta Professor (Comp. Sc.& Engg.)	Member			
39.	Dr. S.K. Ghorai Professor (ECE)	Member			
40.	Dr. Srikanta Pal Professor (ECE)	Member			
41.	Dr. D.K. Mohanta Professor (EEE)	Member			
42.	Dr. T. Ghose Professor (EEE)	Member			
43.	Dr. (Ms.) Vijaya Laxmi Professor (EEE)	Member			
44.	Dr. S.K. Jain Professor (Mathematics)	Member			
45.	Dr. (Mrs.) Manju Bhagat Professor (Management)	Member			
46.	Dr. R.P. Sharma Professor (Mechanical Engg.)	Member			
47.	Dr. P.R.P. Verma Professor (Pharm. Sc.&Tech.)	Member			
48.	Dr. Shiveshwar Jha Professor (Pharm. Sc.&Tech.)	Member			
49.	Dr. K. Jayaram Kumar Professor (Pharm. Sc.&Tech.)	Member			
50.	Dr. B.N. Sinha Professor (Pharm. Sc.&Tech.)	Member			
51.	Dr. (Mrs.) Papiya Mitra Mazumder Professor (Pharm. Sc.&Tech.)	Member			
52.	Dr. (Mrs.) S.M. Verma Professor (Pharm. Sc.& Tech.)	Member			
53.	Dr. Subir Samanta	Member			

	Professor (Pharm.Sc.&Tech.)			61.	Dr. Asha Prasad Director (I/c) EC-Noida	Member	
53.	Dr. S. Konar Professor (Physics)	Member		62.	Dr. A.N. Jha Director (I/c) EC. Lalpur	Member	
54.	Dr. Sanjeeb Kr. Rout Professor (Physics)	Member		63.	Dr. Arbind Kumar Director (I/c) EC-Patna	Member	
55.	Dr. (Mrs.) Sunita Keshri Professor (Physics)	Member		64.	Dr. Ganesh Prasad Mishra Professor (EC-Jaipur)	Member	
56.	Dr. Nilanchal Patel Professor (Remote Sensing)	Member		65.	Dr. Roopali Sharma Professor (EC-Jaipur)	Member	
57.	Dr. Abhinav Dinesh Director (EC-Jaipur)	Member		66.	Col. Sukhpal Singh (Retd.) Registrar	Member Secretary	
58.	Dr. R.C. Jha Director (EC-Deoghar)	Member		67.	Dr. Laxmi Naryan Pattnaik Asso. Dean (PGS)	Special Invitee	
59.	Dr. Vinay Sharma Professor (EC- Deoghar)	Member		68.	Dr. Sujan Kumar Saha Asso. Dean (UGS)	Special Invitee	
60.	Dr. Arbind Kumar Professor (EC-Deoghar)	Member		69.	Mr.Md. Nadim Quaiser Asst. Registrar	Special Invitee	

Physical Attendance
  Virtual Attendance

The Hon'ble Chairman granted leave of absence to Mrs. (Dr.) P. Padmanabhan, Professor (Bioengineering and Biotechnology), Dr. R. N. Bhagat Professor (Management), Dr. Soubhik Chakraborty, Professor (Mathematics), Dr. Balram Singh, Professor (Civil Engineering) BIT-Patna, Dr. Shree Prakash Lal Professor (EC-Patna) who could not attend the meeting due to some prior engagement

The meeting was held through Video Conferencing (VC)/Other Audio-Visual Means (OAVM). The Chairman welcomed the Members of the Academic Council. After ascertaining the quorum being present, the Chairman called the Meeting to order. The Chairman stated that the proceeding of the meeting shall be recorded and preserved.

#### **AC.106.01 CONFIRMATION OF MINUTES OF 105<sup>TH</sup> MEETING OF THE ACADEMIC COUNCIL**

To confirm the Minutes of the 105<sup>th</sup> Meeting of the Academic Council, held on 25<sup>th</sup> March 2021 in the Institute Conference Hall. Minutes were circulated.

**Resolution:** *Confirmed.*

#### **AC.106.02 ACTION TAKEN REPORT: 105th MEETING OF THE ACADEMIC COUNCIL**

The Action Taken Report is as follows:

Agenda Item No.	Agenda Item	Action Taken
AC.105.02	Confirmation of Minutes of the 104th Meeting	Implemented and Notified
AC.105.03	Proposal from Dean (PGS)	Implemented and Notified
AC.105.04	Recommendations of Advisory Committee for Academic Programme (ACAP)	Implemented and Notified
AC.105.05	Department of Architecture	Implemented and Notified
AC.105.06	Department of Bioengineering	Implemented and Notified
AC.105.07	Department of Chemical Engineering	Implemented

AC.105.08	Department of Chemistry	Implemented
AC.105.09	Department of Computer Science and Engineering	Implemented
AC.105.10	Department of Management	Implemented
AC.105.11	Department of Mechanical Engineering	Implemented
AC.105.12	Department of Production Engineering	Implemented
AC.105.13	Department of Physics	Implemented
AC.105.14	Department of Space Engineering and Rocketry	Implemented
AC.105.15	BITEC-Noida	Implemented
AC.105.16	Proposal to be a Secondary Advisor of a Ph.D Student from Ariel University, Israel	Implemented
AC.105.17	Internship/Placement	Withdrawn
AC.105.18	BITEC Deoghar	Implemented
AC.105.19	BITEC Patna	Implemented
AC.105.20	Proposal from Dean of Faculty Affairs	Implemented
AC.105.21	Ph.D. Viva-Voce	Implemented and Notified
AC.105.22	Reconstitution of Board of Studies	Implemented
AC.105.23	Constitution of Board of Studies	Implemented
AC.105.24	Reporting Items	Implemented
AC.105.25	Additional Reporting Items	Implemented

**Resolution:** *Noted.*

#### **AC.106.03 IMPORTANT POINT FOR INFORMATION**

The University Grants Committee (UGC) in its 550th meeting held on 18th February 2021 decided and notified vide D.O. No. 9-35/2016 (CPP-II) dated 15th April 2021 that CA/CS/ICWA qualification shall be considered equivalent to Postgraduate Degree.

**Resolution:** *Noted and the same is adopted for implementation.*

#### **AC.106.04 RATIFICATION OF RECOMMENDATIONS OF ADVISORY COMMITTEE FOR ACADEMIC PROGRAMME (ACAP)**

Advisory Committee for Academic Programme (ACAP) in its 46<sup>th</sup>, 49<sup>th</sup>, 50<sup>th</sup> and 51<sup>st</sup> meeting held on 04<sup>th</sup> March 2021, 10<sup>th</sup> May 2021, 25<sup>th</sup> May 2021 and 7<sup>th</sup> June 2021 respectively recommended the following agenda items, which were approved by the Hon'ble Chairman, are brought before the Members of the Academic Council for Ratification:

i) **Temporary Withdrawal of Ph.D. Scholars from Semester**

Large number of students are opting for the temporary withdrawal. Therefore, the clause of the temporary withdrawal shall be omitted from the ordinance. However, the temporary withdrawal of PhD scholars from semester shall be allowed **only under exceptional cases** (e.g., Maternity leave, serious illness, etc.).

ii) **Ph.D. Thesis Code for ERP Registration**

There is a need for PhD **Thesis Registration Code** for the PhD scholars

after they complete the course work. This is required at the time of registration on ERP for all the subsequent semesters. The committee decided to allot code as **TH701** for registration on ERP.

iii) **IRF Allotment to Freshly Joined Faculty Members**

The IRF allotment for newly appointed faculty members should be considered only after completion of their probation period.

iv) **Policy for Branch Slide/Change of Discipline of the 2nd Year UG Engineering Students at the Completion of 1st Year**

In order of merit of the applicants and based on the availability of sanctioned seats in a particular discipline/branch, sliding of the discipline of the 2nd year engineering students (after successful completion of 1st year) shall be done.

The committee further recommended that 10% capping of the existing students be put to stop the students from migrating to another discipline/branch so that no department is left with a smaller number of students; that would adversely impact the accreditation process.

v) **Registration for Backlog Courses by the Students admitted under CBCS**

Since Make-up Examinations is proposed to be conducted therefore, registration for backlog courses shall be discontinued from MO-2021 semester for the students admitted under CBCS.

vi) **Make-up Examinations Marks / Grade and Fee Policy**

Make-up examinations for failed students (CBCS) of 2018 batch onwards, starting from the session MO 2021, shall comply with the following guidelines:

- i) Students having failed grades 'F' shall be eligible to register for Make-up examinations, while the students having a shortage of attendance shall be eligible to register only in the Short Semester.
- ii) The maximum credit a student can register would be equal to the total credits of theory courses of that particular semester.
- iii) The registration fee for each course shall be Rs.5,000/-.
- iv) Examinations shall be conducted for 100 marks.
- v) A maximum Grade of 'C' shall be awarded to the students.

vii) **Approval of Academic Calendar for the Monsoon (MO 2021) Session**

- a) The Academic Calendar for MO 2021 for all UG, PG and Ph.D. Programmes (except 2021-22 New Batch).
- b) The Academic Calendar for MO 2021 for all PG and Ph.D. Programmes (except UG 2021-22 New Batch).

viii) **Restructuring of B.Tech and M.Tech. Course Structure**

## I) Restructuring of M.Tech Course

Some of the PG students are selected for one year internship in the industry. In present PG course structure, there is no provision to allow the student to undertake one year internship program, as in the present PG course structure, the third semester consists of Programme Core (3 credits), programme Elective (3 credits) and MOOC (2 Credits). To facilitate the students selected for internship for one year duration, the following restructuring to the PG course structure is recommended:

- i) The Open Electives of 1<sup>st</sup> semester and 2<sup>nd</sup> semester to be placed in 3<sup>rd</sup> semester in place of programme Core and programme Elective.
- ii) The program core and program elective of 3<sup>rd</sup> semester to be placed in 1<sup>st</sup> or 2<sup>nd</sup> semester separately in place of Open Electives.
- iii) MOOC of 2 credits to be dropped from 3<sup>rd</sup> semester to adopt the total credits of 68 as per AICTE guidelines.
- iv) Now the 3<sup>rd</sup> semester will consist of 6 credits of two Open Elective, each of 3 credit, and Thesis (Part 1) of 8 credits.
- v) Each Open Elective of 3<sup>rd</sup> semester will have an option for MOOC (from Swayam portal) of 3 credits weightage, so that the students going for internship need not attend classes in person and may therefore earn the credit through MOOC which may be directly transferred to their academic credit bank.

## II) Restructuring of B.Tech Course:

- i) In the present course structure, the Open Electives (OEs) offered are not uniform across all the departments, leading to difficulty in the arrangement of classrooms, and scheduling of OE classes. Hence it is proposed that the four Open Elective Courses (OEI - OEIV) must be offered, one in each semester from semesters 4<sup>th</sup> to 7<sup>th</sup>. Each Open Elective may have an option for MOOC (from the Swayam portal) of 3 credits weightage.
- ii) Open Electives offered for the other departments needs to be revisited and each department should offer at least one Open Elective for each semester.
- iii) AICTE has proposed a compulsory course, UHV-II: Understanding Harmony, for all UG Degree course in Engineering and Technology, in the 2<sup>nd</sup> year. The UHV-II: Understanding Harmony must be included in the 3<sup>rd</sup>/4<sup>th</sup> semester. The credits can be adjusted by removing a course of 7<sup>th</sup> semester, Professional Laws and Ethics, having a similar concept.
- iv) Engineering material/Structural Engineering is an essential paper for Mechanical Engineering, which is missing in the current course curriculum of Mechanical Engineering. It is advised that Mechanical Engineering should introduce a course, Engineering material/ Structural Engineering, in the

3rd semester from MO 2021 session, in coordination with the Department of Production Engineering.

- v) Environmental Science/Biological Science are to be offered in 3rd and 4th semester for the students admitted in 2020-21. However, it may be shifted to 1st and 2nd semester for students to be admitted in 2021-22 batch. This will leave the slots vacant in the 3rd and 4th semesters for the programme core courses. The restructuring of B.Tech. 1<sup>st</sup> and 2<sup>nd</sup> semester course structure is enclosed.
- vi) As suggested in 105<sup>th</sup> Academic council meeting the number of courses for Minor and In-depth Specialization is to be reduced by (a) increasing the credits of courses and (b) using applications- based project work.

**Resolution:**      **Ratified.**

**AC.106.05      RESTRUCTURE/REVISION OF COURSE STRUCTURE FOR UG and PG PROGRAMME**

Based on the recommendations of the Advisory Committee for Academic Programmes (ACAP) in its 51st meeting held on 7th June 2021, the following Departments conducted meetings of respective Departmental Faculty Meeting (DFM) / Departmental Academic Committee (DAC) / Board of Studies (BoS) and proposed the revision/restructure of courses for UG and PG Programmes for following Departments respectively:

**I.      Department of Bioengineering and Biotechnology**

Board of Studies (BoS) in its meeting held on 15.06.2021 recommended the following modifications in the B.Tech and M.Tech course structure:

*i.      M.Tech Biotechnology*

- a) One programme Elective has been shifted from 3<sup>rd</sup> semester to 1<sup>st</sup> Semester.
- b) Only one each Open Elective subject has been offered for Open Elective-I and Open Elective-II.
- c) One subject BE601 has been shifted from 3<sup>rd</sup> semester to 2<sup>nd</sup> semester. One Elective lab has been dropped.

*ii.      B.Tech Biotechnology*

- a) Number of subjects from Programme Elective has been fixed to 03 each.
- b) One Open Elective has been offered from 4th Semester to 7th semester.
- c) Few modifications have been done in the course structure to rationalized the credits, semester wise.
- d) BE-316 Bioinformatics Algorithms offered as OE-3 while BE320 Biotreatment of Municipal and Industrial Waste is offered as OE-2
- e) BE407 Nanobiotechnology is shifted from PC to PE-4 and

BE309 and Fermentation Engineering is moved from PC to PE-4

- f) Bridge-Course on Mathematics MA-103 is added in 1st semester for 2021-22 batch.

## II. **Department of Chemical Engineering**

Board of Studies (BoS) in its meeting held on 15<sup>th</sup> June 2021 recommended:

- i. B.Tech. Chemical Engineering course structure and syllabus for 2020 Batch.
- ii. Restructuring of Departmental specializations and Minor in Chemical Engineering for 2020 Batch.

## III. **Department of Civil and Environmental Engineering**

Board of Studies (BoS) in its meeting held on 14<sup>th</sup> June 2021 recommended the restructure of following Courses:

- i. B.Tech. in Civil Engineering for 2020-21 Batch
- ii. M.Tech. in Structural Engineering
- iii. M.Tech. in Soil Mechanics and Foundation Engineering
- iv. M.Tech. in Environmental Science and Engineering

Further, the Departmental Faculty in its meeting held on 14<sup>th</sup> June 2021 suggested that the Department shall not offer any Minor Programme in Civil Engineering and Environmental Science and Engineering as it would not help in increasing the employability of the students from other disciplines. The Institute does not offer any B.Tech Programme in Environmental Science and Engineering.

## IV. **Department of Computer Science and Engineering**

- i. Board of Studies (BoS) in its meeting held on 11<sup>th</sup> June 2021 proposed the course structure and syllabus designed for Executive M.Tech. in Computer Science and Engineering with specialization in Machine Learning for the working professional. The BoS also proposed the following:

- a) As per the guideline issued by the Dean PG Studies, the total Credits count of 68 Credits have been maintained for the M.Tech. programme.
- b) The L-T-P format was restructured to adopt a universal 4 Credit allocation for all subjects.
- c) Introduction of Artificial Intelligent as a Core Subject and Advanced Artificial Intelligence as an Elective.
- d) Speech Processing could be included as an Elective, and more could be included if the need be so.

- ii. Board of Studies (BoS) in its meeting held on 15<sup>th</sup> June 2021 recommended updated course structures of Batches 2020-21 for B.Tech. and 2021-22 for M.Tech. Courses. The BoS also reviewed the proposed changes and approved the course structure. The syllabus for Fundamentals of Data Structures and



Block Chain Technology is also reviewed and recommended.

### **Changes in B.Tech. Curricula**

- a) Increase of credits from 167 to 168 due to introduction of a 3 Credit course UHV in the 2nd year instead of Professional Law and Ethics.
- b) Restructuring of the 1st and 2nd year to include Foundation Sciences in 1st year.
- c) Introduction and distribution of OE/MOOC in 4th semester to 7th semester which could be done through SWAYAM portal as well.
- d) The restructuring of Open Electives offered so as to balance the teaching load on the department and the syllabus of CS275 Fundamentals of Data Structure to be included in the OE-I group.
- e) Introduction of Block Chain Technology in PE-IV for B.Tech courses.

### **Changes in M.Tech. Curricula**

- a) Decrease of credit from 70 to 68.
- b) Restructuring of the 1st and 2nd Year to enable students for Internship in 3rd and 4th Semester.
- c) OE/MOOC courses were introduced in 3rd Semester and could be done through SWAYAM portal as well.
- d) Redistribution of Theory and Lab within PE Groups and removing the Lab Course which had not been opted by any student in the last three Batches.

## **V. Department of Electrical and Electronics Engineering**

Board of Studies (BoS) in its meeting held on 14<sup>th</sup> June 2021 recommended the restructuring of B.Tech. and M.Tech course structure as under:

- i) **PG Courses** with specializations in Control System, Power System and Power Electronics as per AICTE norms:
  - a) Adhering to the AICTE Norms, total credits are to be changed from 70 to 68. The two core laboratory courses are to be blended in each specialization to accommodate reduction of 2 credits.
  - b) The Open Electives of 1<sup>st</sup> Semester and 2<sup>nd</sup> Semester are to be placed in place of Programme Core and Programme Electives in 3<sup>rd</sup> Semester.
  - c) The Program Core and Program Elective of 3<sup>rd</sup> Semester are to be placed in 1<sup>st</sup> and 2<sup>nd</sup> semester separately in place of Open Electives, taking into account the respective prerequisites.
  - d) Each Open Elective of 3<sup>rd</sup> Semester will have an option for MOOC (from Swayam portal) of 3 Credits weightage, so

that the students going for internship need not attend classes in person and may therefore earn the credit through MOOC which may be directly transferred to their academic credit bank.

- ii) **UG Courses** for 2020-21 batch as per AICTE norms:
  - a) In order to incorporate the suggested changes by AICTE for a compulsory course, viz., UHV-II: Understanding Harmony, for all UG Degree course in Engineering and Technology in the 2<sup>nd</sup> Year, the UHV2: Understanding Harmony must be included in the 3<sup>rd</sup>/ 4<sup>th</sup> Semester and for this, Credits are to be adjusted by removing a course of 7<sup>th</sup> Semester, viz., Professional Laws and Ethics, having a similar concept. The 'UHV2' is of 3 Credits and the 'Professional Laws and Ethics' is of 2 Credits. Thus, the overall increase of 1 credit leads to a total credit of 168 in place of 167, as prescribed by AICTE.
  - b) Environmental Science/Biological Science are to be offered in 3<sup>rd</sup> and 4<sup>th</sup> Semester for the students admitted in 2020-21 batch
  - c) Introduction to Microprocessor and Microcontroller (EE 303) is to be shifted to 4<sup>th</sup> Semester from 5<sup>th</sup> Semester for incorporating the suggested changes.

## VI. **Department of Electronics and Communication Engineering**

Board of Studies (BoS) in its meeting held on 23<sup>rd</sup> June 2021 recommended the restructuring of PG (Instrumentation, Microwave and Wireless) and UG courses for 2020-21 batch as per AICTE norms and revision of courses is proposed as under:

- i) **Restructuring of UG Courses for 2020-21 Batch as per AICTE Norms:**
  - a) As per the recommendation of ACAP, the Open Elective courses (OE-I, II, III, IV) have been framed in 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> Semesters respectively in the course structure of B. Tech 2020- 21 batch onwards.
  - b) The Environmental Sciences and Biological Science have been kept in 1<sup>st</sup> and 2<sup>nd</sup> Semester respectively for course structure of 2021-22 batch and in 3<sup>rd</sup> and 4<sup>th</sup> semesters of 2020-21 batch, respectively.
  - c) The course 'UHV-II: Understanding Harmony' has been kept in 4<sup>th</sup> semester of B. Tech 2020–21 batch onwards as per the recommendation of ACAP.
  - d) The 'Electronic Devices Lab.' and 'Electronic Measurements' Lab are kept in 3<sup>rd</sup> and 4<sup>th</sup> Semesters, respectively as per the suggestion of BoS members.
  - e) The 'Electronic Devices Lab.' and 'Electronic Measurements' Lab are kept in 3<sup>rd</sup> and 4<sup>th</sup> Semesters, respectively as per the suggestion of BoS members.

- f) The courses 'Probability and Random Process', 'Analog Communication' and 'Digital Communication' are kept in 4th, 5th and 6th Semesters, respectively as per the need and suggestion.
  - g) The syllabus of 'Data Communication' has been revised and the 'Instrumentation Lab' has been renamed as 'Industrial Automation Lab' as per the suggestion of BoS members.
  - h) The B. Tech.-In-depth Specialization courses have been renamed and course structure has been modified by increasing the course credits and including the 'Product Development Lab' and 'Specialization Project'.
  - i) The B. Tech.-Minor in ECE course structure has been modified by including the subjects related to general courses of Electronics and Comm. Engg.
- ii) **Restructuring of PG courses with specializations in Instrumentation, Microwave and Wireless Communication as per AICTE norms:**
- i) The Open Elective Courses/ MOOC have been kept in 3rd semester of PG programme in place of Programme Core and Programme Elective as per the recommendation of ACAP.
  - ii) For M.Tech-Wireless Communication, the course 'Wireless Communications and Networks' has been renamed as 'Wireless Systems and Networks' by incorporating some changes in the syllabus, as per the recommendation of BoS members.
  - iii) The course 'Wireless Signal Propagation and Fading' has been renamed as 'Wireless Signal Propagation' by incorporating some changes in the syllabus, as per the recommendation of BoS members.
  - iv) The advanced topics like Machine Learning approach and 6G have been included in the syllabus of 'Advanced Wireless Communication'.
  - v) The course 'Wireless Ad Hoc and Sensor Network' has been revised by including network security portion and renamed as 'Wireless Adhoc Networks and Security'.
  - vi) For M. Tech-Instrumentation, the course 'Industrial instrumentation system' has been renamed as 'Applied Industrial Instrumentation' as per the suggestion as BoS members.
  - vii) 'Process Control Instrumentation' has been renamed as 'Process Control'.
  - viii) As per the recommendation, the MOOC course should be approved by the course coordinator and HoD.
  - ix) For M. Tech-Microwave, no modification is suggested by the BoS members.

## VII. **Department of Mechanical Engineering**

Board of Studies (BoS) in its meeting held on 15<sup>th</sup> June 2021 recommended the restructure of the course as under:

- a) Review and modification of the existing course curriculum structure under CBCS (UG and PG)
- b) Review and modification on Departmental and Open Elective papers.

The BoS also recommended minor modifications to be incorporated in the course structure and adoption of new subjects Metallurgical and Materials Engineering (PE214) and UHV-II: Understanding Harmony (MT131) in UG curriculum for 3rd Semester respectively for 2020 Batch B.Tech. Mechanical Engineering admitted students. BoS also recommended to include the course Environmental Sciences (CE101) and Biological Sciences (BE101) from 1st and 2nd Semester respectively for the B.Tech. Mechanical Engineering to be in year 2021.

## VIII. **Department of Production and Industrial Engineering**

Board of Studies (BoS) in its meeting held on 21<sup>st</sup> June 2021 recommended the following agendas and changes in curriculum and syllabus of various UG and PG programmes as under:

- a) DEPARTMENT **VISION and MISSION** statements in accordance with the department's new name, Production and Industrial Engineering Department.
- b) Revised Course Structure – To be effective from Academic Session 2021-22 for M.Tech. in Automated Manufacturing Systems.
- c) Revised Course Structure and Syllabus - To be effective for B.Tech. 2020-21 for B.Tech. in Production Engineering.
- d) New Course Structure and Syllabus - Effective from Academic Session 2021-22 for B.Tech. in Production and Industrial Engineering.
- e) Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) for B.Tech. in Production and Industrial Engineering - To be effective from B.Tech. 2021-22.
- f) Revised Course Structure and Syllabus of Minor Program and In-Depth Specialization Program - To be effective from B.Tech. 2020- 21 batch.
- g) Renaming of the Minor Program as Minor in Production and Industrial Engineering from Minor in Production Engineering - To be effective from B.Tech. 2020-21 batch.

## IX. **Department of Remote Sensing**

Board of Studies (BoS) in its meeting held on 15<sup>th</sup> June 2021 recommended for restructuring of M.Tech. course structure as under:

### **Restructuring of M.Tech. (Remote Sensing) Course:**

- a) Open Electives (OE- I and OE- II) of 1st Semester and 2nd Semester have been placed in 3rd Semester in place of Programme Core (PC)/Programme Elective (PE). A student can either opt for these OEs or MOOC (from SWAYAM portal of 3 Credits each)
- b) Two of the Program Cores (PC) RS 501 and RS 502 have been revised as RS 501R1 and RS 502R1 as both to have one tutorial in addition to 3 lectures thus changing the credits from 3 to 4 for each of these subjects.
- c) One Program Core of 3rd semester RS 602 has been recorded as RS 521 with a change from 4 to 3 credits and placed in 2nd semester to replace RS 515, another PC. RS 515 has been moved to 1st semester as this fulfils the pre-requisite subjects and background knowledge as available in first semester itself.
- d) With OE-I/MOOC and OE-II/MOOC of 3 Credits each in 3rd Semester, the total credits sum up to 68 as per AICTE guidelines.
- e) Now the 3rd Semester consists of 6 Credits of two Open Elective/MOOC, each of 3 Credit, and Thesis (part 1) of 8 Credits.
- f) Each Open Elective of 3rd Semester has an option for MOOC (from Swayam portal) of 3 Credits weightage, so that the students going for internship need not attend classes in person and may therefore earn the credit through MOOC which may be directly transferred to their academic credit bank.
- g) In view of above referred changes in the structure of the course, syllabus of the course stands revised w.e.f. Mo2021 session to reflect the above-mentioned structural changes and does not necessarily reflect syllabus revision subject by subject.

### **X. Department of Space Engineering and Rocketry**

Board of Studies (BoS) in its meeting held on 15<sup>th</sup> June 2021 recommended the restructuring of the course structure of M.Tech Programmes – Aerodynamics and Rocket Propulsion.

### **XI. Department of Architecture**

Departmental Academic Committee (DAC), Departmental Academic Committee (DAC) and Board of Studies (BoS) in its meeting held on 16th June 2021 recommended that current course structure of MUP program having 74 Credits to be kept intact with the suggestive incorporations/ changes. Some modifications have been recommended for the courses AR605 Urban Ecology and Environmental Planning and AR606 Urban Regeneration and Conversation Techniques. proposed syllabus of M.Arch. with 74 Credits coherent to the structure given by Council of Architecture (COA) and BIT Mesra.

### **XII. Department of Management**

Board of Studies (BoS) in its meeting held on 14th June 2021

recommended for introduction of MT131 UHV2: Understanding Harmony and its course curriculum. This course shall be mandatory requirement for all UG Engineering Programmes to be effective from MO 2021.

### XIII. **Department of Hotel Management and Catering Technology**

Departmental Faculty, Departmental Policy Committee (DPC) and Board of Studies (BoS) in their meetings held on 14<sup>th</sup> and 15<sup>th</sup> June 2021 recommended for restructuring of BHMCT course structure as under:

- a) Introducing CE101 Environmental sciences in 1st Semester instead of 4th Semester.
- b) Introducing MT131UHV2: Understanding Harmony in 3rd Semester and removing Professional Practice Laws and Ethics from 7th semester.
- c) Introducing Open Elective-I in 4th Semester.
- d) Open Elective-II/MOOC-I (from the SWAYAM Portal) in 6th Semester.
- e) Open Elective-III in 7th Semester.
- f) Open Elective-IV or MOOC-II (from SWAYAM Portal) in 7th Semester.
- g) Total Credit recommended is 168 instead of 167.

**Resolution:** *Approved.*

#### **AC.106.06 PROVISION FOR REVISION OF THE COURSE AND ALLOTING A NEW NUMBER FOR REVISED COURSE.**

Provision for revision of the course and allotting a new number for revised course is not apparent in the CBCS Courses, as there is no option for amendment in the current course number.

Hence, it is proposed to suffix **Rn** after the course code, for a revised course, where **n** = 1,2, 3... indicating the number of times the course is revised.

#### **Example:**

Course Code	Course Code on First Revision	Course Code on Second Revision
CS101	CS101R1	CS101R2
ME565	ME565R1	ME565R2

**Resolution:** *Approved.*

#### **AC.106.07 RATIFICATION OF THE RECOMMENDATION OF THE BOARD OF STUDIES OF UNIVERSITY POLYTECHNIC**

Board of Studies (BoS) of University Polytechnic, in its meeting held on 18<sup>th</sup> June 2021, recommended the following:

I) The revised composition of Board of Studies of University Polytechnic is proposed as under:

i) **Diploma in Automobile, Mechanical and Mechanical (Production) Engineering**

1	Director, University Polytechnic, B.I.T. Mesra	Chairperson (Ex-officio)
<b>Subject Expert from Academic Institute:</b>		
2	HoD, Mechanical Engineering	Member
3	HoD, Mechanical and Industrial Engineering	Member
<b>Experts from Industry:</b>		
4	Mr. Pradeep Kr. Gupta, DGM, Tata Motors Ltd., Jamshedpur	Member
5	Mr. Pranay Kant Prasad, DGM, Tata Motors Ltd., Jamshedpur	Member
6	Mr. Dhiman Das, Mind Tree, Tatisilwai, Ranchi	Member
<b>Internal Members:</b>		
7	Course Coordinator, Automobile Engineering	Member
8	Course Coordinator, Mechanical (Production) Engineering	Member
9	Course Coordinator, Mechanical Engineering	Member

ii) **Diploma in EEE, Computer, ECE and BMLT**

1	Director, University Polytechnic, B.I.T. Mesra	Chairperson (Ex-officio)
<b>Subject Expert from Academic Institute:</b>		
2	HoD, EEE, B.I.T. Mesra	Member
3	HoD, CSE, B.I.T. Mesra	Member
4	HoD, ECE, B.I.T. Mesra	Member
5	HoD, PST, B.I.T. Mesra	Member
<b>Experts from Industry:</b>		
6	Mr. Randhir Prasad, DGM, Tata Motors Ltd., JSR (EEE)	Member
7	Mr. N.C. Aggarwal, CEO, Meditron, Ranchi (ECE)	Member
8	Mr. Praveen Kumar, SDE, Admin and T M, BSNL, Ranchi (CSE)	Member
9	Dr. K.K.Das, CCL, Head of Path., Gandhinagar Hospital (BMLT)	Member
<b>Internal Members:</b>		
10	Course Coordinator, Electrical and Electronics Engineering.	Member
11	Course Coordinator, Electronics and Communication Engineering.	Member
12	Course Coordinator, Computer Science Engineering.	Member
13	Course Coordinator, BMLT	Member

## II) **Revision of Syllabus:**

Revision includes the rearrangement of Modules and elaboration of content, specifying the points to be covered under each module for the following subjects was recommended by the BoS as under:

- i) DAM 1001 Basic Mathematics of Semester-I, Diploma in Engineering. The revised syllabus is proposed, and the revised subject code is DAM 1101.
- ii) DAM 2001 Engineering Mathematics of Semester-II, Diploma in Engineering. The revised syllabus is proposed, and the revised subject code is DAM 2101.
- iii) DAM 3001 Applied Mathematics of Semester-III, Diploma in Engineering. The revised syllabus is proposed, and the revised subject code is DAM 3201.
- iv) DEC 2001 Fundamental of Electrical and Electronics; Semester-II, Diploma in Engineering. The revised syllabus is proposed, and the revised subject code is DEC 2101.
- v) DAE 4013 Autotronics of Semester-IV, Diploma Automobile Engineering. The revised syllabus is proposed, and the revised subject code is DAE 4113.
- vi) DAE 6015 Special Purpose Vehicles and Equipments of Semester-VI, Diploma Automobile Engineering. The revised syllabus is proposed, and the revised subject code is DAE 6115.

## III) **Modification of Syllabus:**

Modification includes resolving the discrepancies in the syllabus of the subjects with same code and name, running simultaneously in different branches with different module contents was recommended by the BoS as under:

- i) DMM-4103 Fluid Mechanics and Machines; Semester-IV, Diploma Automobile Engineering. The modified syllabus is proposed, and the subject code remains unchanged.
- ii) The modified course code DME 5014 for Project-I.
- iii) The Heading of the Module-II of DME 5103 Measurement and Metrology is rectified to "Measurement of Temperature" from "Measurement of Temperature and Pressure"

**Resolution:** *Approved.*

### **AC.106.08 PH.D. VIVA-VOCE**

The Academic Council considered the recommendations of the respective viva-voce Boards of 26 Ph.D. scholars listed below and recommended for the award of Ph.D. Degree to them provisionally.

**Resolution:** **The Academic Council approves the award of provisional Ph.D. Degree to 26 Ph.D. Scholars listed below:**



SN	Name/ Roll No.	Department	Guide	Co-Guide	Title	Degree to be awarded in
1	Mr. Deepak Prasad Ph.D/EC/10051/2015	Electronics and Com Engg.	Dr. Vijay Nath		Design of CMOS Temperature Measurement System	Engineering
2	Mr. Atul Kumar Pandey Ph.D/EC/1004/2011	Electronics and Comm. Engg.	Dr. Nisha Gupta		Design of Energy Efficient MAC Protocols for some Wireless Sensor Network applications	Engineering
3	Mr. Asim Ahmad Ph.D/ME/10005/2017	Mechanical Engineering	Dr. Om Prakash		Thermal Energy Analysis of Heat Storage based Hybrid Greenhouse Dryer	Engineering
4	Mr. Abhijit Shankar Jadhav Ph.D/PL/1051/2011	Chemical Engineering	Dr. G.T. Mohanraj	Dr. A.N. Gokarn (Ext.)	Activated Carbon from Biomass and its Utilization in Polymer Composites and Adsorption Applications	Engineering
5	Mr. Ch. Jamkhokai Mate Ph.D/AC/10002/2017	Chemistry	Dr. Sumit Mishra	Dr. P.K. Srivastava	Synthesis Characterization of Jhingan gum derivatives and their applications	Science
6	Mr. S M Mozammil Hasnain Ph.D/ME/10002/2017	Mechanical Engineering	Dr. R.P. Sharma		Performance and Emission Characterization of Automotive Diesel Engine Fuelled with Alternative Fuel	Engineering
7	Mr. Jigyasu Kumar Ph.D/MB/10005/2013	Management	Prof. (Dr.) S.P. Lal		Employee Motivation: Focus on Age and Gender Specific Factor in Rashtriya Ispat Nigam Limited- A Large Size Manufacturing Company	Management
8	Avishek Satapathy Ph.D/AP/10052/2013	Physics	Dr. Ela Sinha		Structural and proton conducting properties of some rare earth substituted barium zirconate ceramics	Science
9	Mr. P.V.S. Murali Krishna Ph.D/EC/1051/10	Electronics and Comm. Engg.	Dr. R.K. Lal	Dr. Avireni Srinivasulu	Studies of second-generation conveyor (CC II) based novel all-pass filters and oscillator	Engineering
10	Mr. Siva Suryanarayana Ch. Ph.D/IT/1053/2011	Computer Sc. and Engg.	Dr. S.P. Singh		Analysis of Software Cost Estimation Techniques using Soft Computing	Technology
11	Mr. Umang Gupta Ph.D/CS/10057/2017	Computer Sc. and Engg.	Dr. Vandana Bhattacharjee	Dr. Partha Sarathi Bishnu	DISCOVERY OF INTERESTING PATTERNS USING DATA MINING TECHNIQUES	Technology
12	Sonali Biswas Ph.D/AP/10004/2013	Physics	Dr. S. Keshri		Study of magnetoresistance, magnetoimpedance and magnetocaloric properties of La <sub>0.67</sub> Sr <sub>0.33</sub> -	Science

					xKxMnO <sub>3</sub> and La <sub>0.67</sub> Sr <sub>0.33</sub> -xPhxMnO <sub>3</sub> manganite nanomaterials	
13	Mr. Amresh Kumar Ph.D/EC/10002/2013	Electronics and Comm. Engg.	Dr. Aminul Islam		Robust Design of Nanoscale Circuit	Engineering
14	Sushma Kiran Ph.D/CE/10051/2012	Civil and Env. Engineering	Prof. Bindhu Lal		Prediction of Soil Shear Strength Parameters using Soft Computing Technique	Engineering
15	Ms. Archana N Panche Ph.D/BT/10007/2012	Bio-Engineering	Dr. Sheela Chandra		In vitro Production of Inhibitors for proteases producing b -Amyloid from Selected Medicinal Plants of Jharkhand	Science
16	Ms. Arti Mahto Ph.D/AC/10051/2013	Chemistry	Dr. Sumit Mishra		Synthesis and Development of Polysaccharide Based materials and Their Applications	Science
17	Mr. B. Ramesh Ph.D/40/2008	Management	Dr. Utpal Baul		Management of Logistical System of Bulk Materials Handling in Indian Cement Industries	Management
18	Ms. Sohini Ghosh Ph.D/MB/1053/2010	Management	Dr. Sraboni Dutta		Impact of Mergers and Acquisitions- An Analysis of Enterprises in Three Indian Service Sectors	Management
19	Mr. Ramtanu Mukherjee Ph.D/EC/10010/2013	Electronics and Comm. Engg.	Dr. S.K. Ghorai	Dr. Bharat Gupta Ext.	Design and Analysis of a Non-invasive Sensor for Measuring Cardiac Physiological Parameters	Engineering
20	Pritha Bose Ph.D/PH/10001/2017	Pharmaceutical Sc. and Tech.	Dr. Shakti P. Pattanayak		Evaluation of Anti-Cancer Potential of Few Polyphenolic Compounds with Plasmonic Nano-Materials: A Non-Invasive Therapeutic Approach for Breast Cancer	Pharmaceutical Sciences and Technology
21	Ms. Sakshi Kumari Ph.D/59/2010	Electronics and Comm. Engineering	Dr. V.R. Gupta		Design and Development of antennas for Body-Centric Wireless Communications	Engineering
22	Mr. Amit Kumar Sahoo Ph.D/EE/10003/2014	Electrical and Electronics Engineering	Dr. S.K. Mishra		Development System	Engineering
23	Ms. Rachna Kumari Ph.D/EC/1007/2011	Electronics and Comm. Engineering	Dr. Mainak Mukhopadhyay		Designing of Jamming Resistant GPS Receiver	Engineering

24	Mr. Sarat Kumar Mishra Ph.D/EE/10051/2012	Electrical and Electronics Engineering	Dr. S.K. Mishra		Economic Emission and Load Dispatch using Multiobjective Evolutionary Algorithms	Engineering
25	Mr. Pragya Prakash Ph.D/BT/10002/2015	Bio-Engineering	Dr. H.R. Singh		Production, Purification and Characterization	Technology
26	Ms. Smita Pallavi Ph.D/IT/1052/2011	Computer Sc. and Engg.	Dr. Kanhaiya Lal	Dr. S.P. Lal	An Integrated Business Intelligence Framework to support OLAP Mining Applications in Educational CRM	Engineering

AC.106.09

## RECONSTITUTION OF BOARD OF STUDIES OF THE DEPARTMENTS

1. Pharmaceutical Sciences and Technology		
Existing Board of Studies		
Internal Member		
S.No	Name	Designation
1	HOD/In-Charge	Chairman (Ex-Officio)
2	Dr. S. Samanta	Professor and Head
3	Dr. P.R.P. Verma	Professor
4	Dr. B.N. Sinha	Professor
5	Dr. S. Jha	Professor
6	Dr. R.N. Gupta	Professor
7	Dr. (Ms.) S. Ganguly	Professor
8	Dr. (Mrs.) P. M. Mazumder	Professor
9	Dr. K. Jayaram Kumar	Professor
10	Dr. (Mrs.) S.M. Verma	Professor
11	Dr. Ashok Kr. Pattnaik	Associate Professor
12	Dr. Manik	Assistant Professor
13	Dr. Gautam Sarkhel (Dept. of Chemical Engg.)	Professor and Head
14	Dr. Ashoke Sharon (Dept. of Chemistry)	Associate Professor
External Member		
S No.	Name of Member, Designation, Institute/Company, Full Address	
15	Prof. (Dr.) Tapan Kumar Maity Professor, Dept. of Pharmaceutical Technology,	Jadavpur University, Kolkata, 700032
16	Prof. (Dr.) Sushil Kumar Singh Professor, Dept. of Pharmaceutical Engineering and Technology	IIT, BHU, Varanasi - 221 005
17	Mr. Naveen Sharma President , Cliantha Research Ltd.	Cliantha House, Opp. Pusparaj Towers, Judges Bungalow, Bodakdev, Ahmedabad - 380054

<b>Proposed Board of Studies</b>			
<b>Internal Member</b>			
S.No.	Name	Designation	Reason for change
1	HOD/In-Charge	Chairman (Ex-Officio)	The Board of Studies has been reconstituted as per the protocols of BIT
2	Dr. (Ms.) S. Ganguly	Professor and Head	
3	Dr. P.R.P. Verma	Professor	
4	Dr. B.N. Sinha	Professor	
5	Dr. S. Samanta	Professor	
6	Dr. S. Jha	Professor	
7	Dr. (Mrs.) P. M. Mazumder	Professor	
8	Dr. K. Jayaram Kumar	Professor	
9	Dr. (Mrs.) S.M. Verma	Professor	
10	Dr. Animesh Ghosh	Associate Professor	
11	Dr. Mahendra P. Chopra	Assistant Professor	
12	Dr. Rakesh Sinha (Dept. of Bio-Engg.)	Professor and Head	
13	Dr. Sumit Mishra (Dept. of Chemistry)	Associate Professor	
<b>External Member</b>			
Sl.No	Name of Member, Designation, Institute/Company, Full Address		
14	Dr. S. Murugesan, Associate Professor, Department of Pharmacy, BITS Pilani, Pilani Campus, Vidya Vihar, Pilani – 333031, Rajasthan, Phone: +91-9413489684 [Email: murugesan@pilani.bits-pilani.ac.in]		
15	Dr. Tarun Jha, Professor, Department of Pharmaceutical Technology, Jadavpur University, Kolkata–700032, Phone:+91-9433187443, [Email: drtarunjha@yahoo.com]		
16	Dr. Ajay Kumar Handa, Executive Vice President, Dr. Reddy's Laboratories Ltd., Bachupally Village, Bachupally Mandal, Medchal Malkajgiri District, Telangana – 500090, Ph: 9727707544 [Email: ajayhanda123@rediffmail.com]		

<b>2. Civil and Environmental Engineering, Mesra</b>		
<b>Existing Committee</b>		
<b>Internal Members</b>		
S.No.	Name	Designation
1	Head of the Department, Civil and Environmental Engineering	Chairman (Ex-Officio)
2	Dr. Anand Kr. Sinha, Professor	Member
3	Dr. R. R. Sahay, Professor	Member
4	Dr. (Mrs.) Bindhu Lal, Professor	Member
5	Dr. Birendra Kr. Singh, Professor	Member
6	Dr. Indrajit Roy, Asso. Professor	Member
7	Dr. Kirti Avishek, Assistant Professor	Member
8	Dr. Manjari Chakraborty, Professor (Architecture)	Member
9	Dr. R P Sharma, Professor (Mechanical Engineering)	Member
<b>External Members</b>		

S.No.	Name of Member, Designation, Institute/Company, Full Address	
10	Dr. S.K. Maity, Professor, (ESE) ISM Dhanbad	Member
11	Dr. Rajesh Kumar, Professor, (CE) IIT BHU	Member
12	Dr. Rakesh Pratap Singh, Asso. Professor, (CE) NIT Jamshedpur	Member
13	Mr. Sujib Chatterjee, Chief Manager (Civil), CMPDIL, Ranchi	Member
14	Dr. Rammohan Chatterjee, Head (Structural Div), CET, SAIL, Ranchi	Member
15	Mr. Suwendu Basu, Head, Redimix, Health and Safety, Lafarge, Kolkata	Member
<b>Members from Off-campus, BIT, Patna, where the same UG courses are being offered</b>		
16	Prof. (Dr.) Balram Singh, HOD, Patna Centre, BIT	Invited Member
<b>Students' Representatives</b>		
17	Miss. Mansi Jha (BE/10686/17) <b>(Passed out in SP21)</b>	Student Representative
18	Mr. Sharique Khan (BE/10295/17) <b>(Passed out in SP21)</b>	Student Representative

<b>Proposed Committee</b>			
<b>Internal Members</b>			
S.No.	Name	Designation	Reason of change
1	Head of the Department, Civil and Environmental Engineering	Chairman (Ex-Officio)	The new Students' representatives have been proposed as the previous students' representatives' of 2017 batch are passed out.
2	Dr. Anand Kr. Sinha, Professor	Member	
3	Dr. R. R. Sahay, Professor	Member	
4	Dr. (Mrs.) Bindhu Lal, Professor	Member	
5	Dr. Birendra Kr. Singh, Professor	Member	
6	Dr. Indrajit Roy, Asso. Professor	Member	
7	Dr. Kirti Avishek, Assistant Professor	Member	
8	Dr. Manjari Chakraborty, Professor (Architecture)	Member	
9	Dr. R P Sharma, Professor (Mechanical Engg.)	Member	
<b>External Members</b>			
S.No.	<b>Name of Member, Designation, Institute/Company, Full Address</b>		
10	Dr. S.K. Maity, Professor, (ESE) ISM Dhanbad		Member
11	Dr. Rajesh Kumar, Professor, (CE) IIT BHU		Member
12	Dr. Rakesh Pratap Singh, Asso. Professor, (CE) NIT Jamshedpur		Member
13	Mr. Sujib Chatterjee, Chief Manager (Civil), CMPDIL, Ranchi		Member
14	Dr. Rammohan Chatterjee, Head (Structural Div), CET, SAIL, Ranchi <b>(Retired in Jan, 2021)</b>		Member
15	Mr. Suwendu Basu, Head, Redimix, Health and Safety, Lafarge, Kolkata		Member
<b>Members from Off-campus, BIT, Patna, where the same UG courses are being offered</b>			
16	Prof. (Dr.) Balram Singh, HOD, Patna Centre, BIT		Invited Member

Students' Representatives		
17	Miss. Muskan Gupta (BTECH/10051/18)	Student Representative
18	Mr. Aditya Singh (BTECH/10503/18)	Student Representative

**Resolution:** *Approved.*

#### **AC.106.10 REPORTING ITEMS**

1. Registration, formation of Doctoral Committee : [74 Candidates]
2. Pre-Ph.D. Qualifying Papers : [74 Candidates]
3. Change/Modification in the Ph. D. Thesis/Title : [05 Candidates]
4. Addition / Change of Guide : [02 Candidates]
5. Permission for Extension for Pursuing PhD. : [05 Candidates]
6. Transfer from Full Time to Part Time : [01 Candidate]
7. De-Registration from the Ph.D. Programme : [01 Candidate]
8. Reconstitution of Doctoral Committee : [06 Candidates]
9. Re-structuring of Departmental Academic Committee/ (DAC)/Off-Campus Academic Committee (OAC)/ Pharm. Sciences and Tech. : [01 Department]

**Resolution:** *Noted with following amendments:*

- a) *Refer Page Number 2 and 4, Serial Number 35 of the Reporting Items; in the list of Registered Students in Ph.D. Programme and Pre-Ph.D. Qualifying Papers (Course Work), the name "Priyanraj Kumar" is corrected as "Priyaranjan Kumar".*

#### **ANY OTHER ITEMS**

The Chairman allowed to table following Supplementary Agenda Items for consideration by the Academic Council

#### **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**

Based on the request of Dr. Anand Bharti, Assistant Professor, Department of Chemical Engineering, BIT Mesra, the Hon'ble Vice-Chancellor approved him to be a Co-Guide of Mr. Rupesh Kumar Khutey, who is currently working as Assistant Professor at Shri Rawatpura Sarkar University, Raipur, Chhattisgarh and pursuing Ph.D. from the same Institute.

**Resolution:** *Approved.*

#### **AC.106.12 APPLICATION OF DR. MANOJ KUMAR DUTTA FOR PERMISSION TO WORK AS A CO-SUPERVISOR OF TWO EXTERNAL PH.D. SCHOLARS**

Dr. Manoj Kumar Dutta, Assistant Professor, Dept. of Physics, BIT Mesra Off-Campus Deoghar, requested vide letter dated 06.07.2021 to work as a Co-

Supervisor of two Part-Time Ph.D. Scholars namely Ms. Swatilekha Das and Mr. Arijit Das who are pursuing part-time Ph.D. from NIT, Mizoram in the Department of ECE.

**Resolution: Approved.**

**AC.106.13 PH.D. VIVA-VOCE**

The Viva-Voce Boards of Mr. Basant Sah, Roll No. Ph.D./IT/10004/13, recommended for the award of Ph.D. Degree to him provisionally.

**Resolution: The Academic Council approves the award of provisional Ph.D. Degree to Ph.D. Scholars listed below:**

Sl. No.	Name/Roll No.	Deptt.	Guide	Co-Guide	Title	Degree to be awarded in
1	Mr. Basant Sah (Ph.D/IT/10004/13)	CSE	Dr. V.K. Jha		Enhanced, Efficient and Secure Information Hiding Using Image Steganography and Data Compression Technique	Engineering

**AC.106.14 ADDITIONAL REPORTING ITEMS**

**1. Change of Guide/Addition Guide**

Sl. No.	Name and Roll No.	Name of Existing Guide	Proposed Guide	Reason of Change
1	Nisha Prasad PHD/MB/10001/2018	Dr. Ashish Mohan Dubey (Guide)	Dr. Vijay Agrawal (Guide)	On request of the scholar

**2. Permission for Extension for Pursuing Ph.D. Programme**

Sl. No.	Name of the Scholars	Roll No.	Duration of Extension	Dept/ Campus
1	Prakash Kumar Singh	PHD/CS/10001/2013	6 Month (SP 2021)	CSE
2	Pritam Yadav	PHD/AP/10054/2013	6 Month (SP 2021)	Physics
3	Sheelu Kumari	PHD/EC/10008/2012	6 Month (MO 2021)	ECE
4	Mukesh Kumar Choudhary	PHD/EC/10052/3013	6 Month (MO 2021)	ECE
5	Atul Prakash	PHD/EC/10053/2013	6 Month (MO 2021)	ECE
6	Deo Kumar	PHD/EC/10055/2013	6 Month (MO 2021)	ECE
7	Saurabh Sarkar	PHD/EC/10060/2013	6 Month (MO 2021)	ECE
8	Santashraya Prasad	PHD/EC/10063/2013	6 Month (MO 2021)	ECE

9	Sarah Asheer	PHD/EC/10002/2014	6 Month (MO 2021)	ECE
10	Shikha Swaroop Sharma	PHD/EC/10004/2014	6 Month (MO 2021)	ECE
11	Chandan Kumar	PHD/ME/1052/2011	6 Month (MO 2021)	Patna
12	Anulal Mahto	PHD/PE/10054/2013	6 Month (MO 2021)	Patna

**Resolution: Noted.**

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

The above Minutes of the 106<sup>th</sup> Meeting of the Academic Council are issued with the approval of the Hon'ble Chairman.



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

Date: 13<sup>TH</sup> AUGUST 2021