

MINUTES OF THE 32nd MEETING OF THE ACADEMIC COUNCIL

Friday, October 08, 2021

Members Present:

Dr G K Prabhu, Dr Vinod V Thomas, Dr N N Sharma, Dr Nitu Bhatnagar, Dr R S Shekhawat, Dr Anuradha Chatterjee, Dr Anoop Kumar Mukhopadhyay, Dr Sudhendar Hanumantha Rao, Dr Shiva Prasad H C, Dr Jamil Akhtar, Dr Bhavna Tripathi, Dr Sampath Kumar Padmanabha Jinka, Dr Madhura Yadav, Dr Amitabh Shrivastava, Dr Jawahar M Jangir, Dr Lalita Ledwani, Dr Vijay Laxmi Sharma, Dr Ajay Kumar, Dr Sumit Srivastava, Dr Birajit Mohanty, Ar Sneh Singh, Dr Ashima Bagaria.

Invited Members:

Dr Susruta Samanta, Dr PI Michel

Leave of Absence:

Dr Richa Arora

The meeting began with the welcoming of the members and new members of Academic Council.

Chairman applauded the contributions put on by Dr Jagganath Korody, Former Dean FoE, for the Academic Council.

A. AGENDA FOR DISCUSSION

32AC (A-1): Controller of Examinations

32AC (A-1-1) List of Graduates for the Convocation'21

The Controller of Examinations presented the list of graduating students for the Academic Year 2020-2021.

- Ph.D.- 37 Awarded + 7 Ph.D. Viva-Voce will be conducted by October 31,2021
- Postgraduates - 204
- Under Graduates - 1931

Considering the input from CoE, the Council approved the list of graduates for Convocation'21

32AC (A-1-2) Department of Higher Education - Objection

The Controller of Examinations deliberated on the objection raised by the Department of Higher Education regarding printing of Grade-Cards for each Semester along with the date of results published.

- The Grade-Cards/Mark-sheets of Students for Odd and Even Semester are printed after the academic cycle for a year is complete.

- The Department of Higher Education is rejecting the Grade-Cards with objection raised on the process:
 - Printing of Grade cards for ODD and EVEN semester must have the date of result published.
 - Printing must be done after each semester.

Considering the detailing from CoE and suggestions from the External Member, the Council approved the issuance of Grade-Cards semester wise.

32AC (A-2): Registrar Office

- **Academic Audit for 3 Schools of Faculty of Engineering.**

Member Secretary presented the details of External - Academic Audit which was done for 3 Schools of FoE; School of Electrical and Electronics & Communication, School of Automobile, Mechanical and Mechatronics, and School of Computing and Information Technology on 21st & 22nd of September 2021, wherein, Dr D. Boolchandani, Dr Dangayach G.S and Dr Pilli Emmanuel Shubhkar, Professors from MNIT were invited as the External Auditors.

Considering the template and report of academic audit, it was suggested to include Academic Processes as a component of academic auditing and further deliberations can happen in the proposed Curriculum Conclave. It was also suggested to have separate Curriculum Conclave for each of the faculty.

B. AGENDA FOR RATIFICATION

31AC (B-1) Confirmation of the Minutes of the 31st Academic Council.

Confirmation of the Minutes of the 31st Academic Council meeting held on Friday, June 11, 2021.

The Minutes of the of the 31st Academic Council meeting held on June 11, 2021, were confirmed and approved by the academic council.

31AC (B-2) Action taken on the Minutes of the Previous Meeting

- Action taken on the agenda "Introducing NCC as a generic elective course", presented in the 31st Academic Council was further taken up for discussion.

It was informed by the Member Secretary that the local NCC Commander has been contacted who had suggested to further contact the UGC for clarification regarding the issuance of B or C Certificates or It's equivalence.

Based on the suggestion of the External Member, the Chairman suggested the following action points:

- The course to be taken as an active 1-year participatory course with 3 credits.
- NCC officer at MUJ to certify the active participation of the students enrolled for the course.
- The number of credits earned by the student will not be considered for the CGPA calculation.
- CoE to confirm where the credits earned by the students can be reflected in the individuals marksheet.
- Other action taken points had been circulated to the concerned departments for necessary action.

The Council noted and ratified the action taken on the minutes of 31st Meeting of Academic Council.

32AC (B-3) Faculty of Engineering

The Faculty Board of FoE had recommended the following changes in different programmes.

32AC (B-3-1) Changes to be introduced in some courses of B Tech ECE with minor Specialization in VLSI Design

- Replace EC3243 VLSI/ULSI Process Technology [3 0 0 3] with EC3244 VLSI Design with Verilog HDL [2 1 0 3].
- Replace EC4142 Analog VLSI Design [3 0 0 3] with EC4161 System Verilog for Design & Verification [2 1 0 3].
- The courses EC3243 VLSI/ULSI Process Technology [3 0 0 3] and EC4142 Analog VLSI Design [3 0 0 3] will move to bucket of other program elective courses and student can choose these, if interested.

Considering recommendation of Faculty Board of FoE, the Council noted and ratified the above agenda.

32AC (B-3-2) Correction in the course codes of programme elective courses of B Tech ECE

Minor Specialization in Cyber Security					
Course Code	Course Name	Course Credits	Already approved	Course Credits	Proposed new Course Code
EC3249	Information Theory for Cyber security	[2 1 0 3]	Medical Electronics	[3 0 0 3]	EC3255
EC3250	Cryptography and Network Security	[2 1 0 3]	Cryptography and Network Security	[3 0 0 3]	EC3256

Minor Specialization in Machine Learning and Artificial Intelligence					
Course Code	Course Name	Course Credits	Already Approved	Course Credits	Proposed new Course Code
EC3247	Artificial Intelligence & Machine Learning	[2 1 0 3]	Internet of Things	[3 0 0 3]	EC3257
EC3248	Data Analytics	[2 1 0 3]	ARM System Development	[3 0 0 3]	EC3258

Additional Programme Elective Courses approved in 30 th Academic Council Meeting, January 2021					
Course Code	Course Name	Course Credits	Already Approved	Course Credits	Proposed new Course Code
EC3244	VLSI Design with Verilog HDL	[2 1 0 3]	Data Communication and Network	[3 0 0 3]	EC3251
EC3245	Antenna Design for Wireless Applications	[2 1 0 3]	MIMO and Wireless Communication Fundamentals	[3 0 0 3]	EC3252
EC3246	Biometrics	[3 0 0 3]	Digital System Design with FPGAs	[3 0 0 3]	EC3253
EC3247	Steganography and Digital Marking	[3 0 0 3]	Internet of Things	[3 0 0 3]	EC3254

Considering recommendation of Faculty Board of FoE, the Council noted and ratified the above agenda.

32AC (B-3-3) Syllabus of new courses to be introduced in:

- **B Tech Computer and Communication Engineering:**
 - CC4164 Information System Auditing, Control and Assurance [3 0 0 3]
 - CC4165 Network Vulnerabilities [3 0 0 3]
 - CC3083 Introduction to Linux [3 0 0 3]
- **B Tech Information Technology:**
 - IT4165 Fundamentals of Quantum Computing [3 0 0 3]

Considering recommendation of Faculty Board of FoE, the Council noted and ratified the above agenda.

32AC (B-7-4) Modification in the syllabus of CC2103 Data Structures and Algorithms in B Tech Computer and Communication Engineering

Considering recommendation of Faculty Board of FoE, the Council noted and ratified the above agenda.

32AC (B-3-5) Four new Program Electives to be offered in place of Petroleum related electives that are offered as specialization in B Tech Chemical Engineering

- CE3243 Numerical Methods in Chemical Engineering [3 0 0 3]
- CE4140 Green Technology [3 0 0 3]
- CE4142 Biomass Conversion and biorefinery [3 0 0 3]
- CE4144 Bioreactor design [3 0 0 3]

Considering recommendation of Faculty Board of FoE, the Council noted and ratified the above agenda.

32AC (B-3-6) Correction in the course code of following courses of M Tech Programme of department of Civil Engineering

Semester	Course Name	Previous Course Code	New Course Code
I	Minor Project	CV6180	CV6170
II	Minor Project	CV6280	CV6270
III & IV	Dissertation	CV7080	CV7070
II	Sanitation Financing (Open elective)	CV6290	CV6281

Considering recommendation of Faculty Board of FoE, the Council noted and ratified the above agenda.

32AC (B-3-7) Introduction of new program electives in B Tech Civil engineering

Course Code	Course Name	Credits	Semester
CV3249	Concrete Technology	[3 0 0 3]	VI
CV3250	Computational Hydraulics	[3 0 0 3]	VI
CV4156	Numerical Methods in Civil Engineering	[3 0 0 3]	VII
CV4157	Geoenvironmental Engineering	[3 0 0 3]	VII

Considering recommendation of Faculty Board of FoE, the Council noted and ratified the above agenda.

32AC (B-3-8) Modification in Syllabus of some courses of B Tech Mechanical Engineering III, IV and VI semesters

Course Code	Course Name
ME2101	Material Science and Engineering
ME2102	Kinematics of Mechanics
ME2103	Thermodynamics
ME2130	Computer Aided Drafting and Design Lab
ME2230	Metrology Lab
ME2232	Computer Aided Numerical Methods Lab
ME3230	Production Technology II Lab

Considering recommendation of Faculty Board of FoE, the Council noted and ratified the above agenda.

32AC (B-3-9) Approval of changes and inclusion of new course in the existing scheme of B Tech Mechatronics Engineering, applicable from AY 2022-23 & onwards

- **Changes to be incorporated in the following courses:**
 - MC 2104: Sensor and Instrumentation [3 0 0 3]
 - MC 2081: Mechatronics System [3 0 0 3]
 - MC2201: Design of Machine Elements [3 1 0 4]
- **Proposed New Open Elective Course:**
 - MC2084: Smart Manufacturing System [3 0 0 3]

Considering recommendation of Faculty Board of FoE, the Council noted and ratified the above agenda.

32AC (B-3-10) M Tech MLCs

It was deliberated that different M.Tech programmes with a total credit of 72 which are being run by various departments of Faculty of Engineering, offer Open Elective courses as Mandatory Learning Courses (MLCs). It was proposed that the courses will be graded as Satisfactory/Unsatisfactory, and their credit will not count towards GPA/CGPA calculation.

Considering recommendation of Faculty Board of FoE, the Council noted and ratified the above agenda.

32AC (B-4): Faculty of Science (FoS)

The Faculty Board of FoS had recommended the following changes in different programmes.

32AC (B-4-1) Department of Biosciences:

- Approval of minor revision in syllabus of M.Sc. Biotechnology for the courses: Advanced Biochemistry (BT6201); Structural biology & Bioinformatics (BT7103); Environmental Biotechnology and Applications (BT7145); Immunotechnology (BT 7142); Bioprocess Engineering (BT7102).
- Approval of change in course name and course code "Diversity of Cryptogams and Microbes (BY1101)" to "Diversity of Lower Plants (BT1101)" along with minor revision in syllabus.
- Approval of minor revision in syllabus of B.Sc. (Hons.) Biotechnology for the courses: Fundamentals of Bioinformatics (BT2101); Ethical Issues and IPR in Biotechnology (BT2240); Biophysics (BT3142); Fundamentals of Cell Culture (BT3102); Medical Biotechnology (BT3202); Industrial Biotechnology (BT3103); Fundamentals of Immunology (BT2202); Biotechnology Laboratory-III (BT2131); Botany Laboratory-III (BT2130).

- Approval of minor revision in syllabus of B.Sc. (Hons) Microbiology for the courses: Cell Biology and Biochemistry Laboratory (BT1232); Microbiology Laboratory - II (BT1233); Microbiology Laboratory - III (BT2134); Microbiology Laboratory - IV (BT2233); Microbiology Laboratory - V (BT3132); Bioprocess Technology (BT3211); Microbiology Laboratory-VI (BT3233).
- Approval of new Generic Electives: Environmental Pollution and Human Health (BT1252); Environmental Pollution and Human Health Lab (BT1238); Genetics and Genes (BT2152); Genetics and Genes Lab (BT2138) and Discipline Specific Electives: Sanitation and Sludge Management (BT3247).

Considering recommendation of Faculty Board of FoS, the Council noted and ratified the above agenda.

32AC (B-4-2) Department of Chemistry:

- Approval of change in course name and course code "Organometallic and Industrial Chemistry (CY3104)" to "Organometallic Chemistry (CY3107)" along with minor revision in syllabus.
- Approval of new skill enhancement course in B.Sc. (Hons.) Chemistry: Industrial Chemistry (CY2157).
- Approval of change in course code "CY6130" to "CY6131"; "CY7101" to "CY6102"; "CY6230" to "CY6231"; "CY6271" to "CY6270" along with minor revision in syllabus of M.Sc. Chemistry.
- Approval of new Minor Project (CY7170) for M.Sc. Chemistry.
- Approval of two new open elective (OE) Coursera courses: Chemistry (CY0051); Introduction to Chemistry: Reactions and Ratios (CY0052) for B.Sc. (Hons.) Chemistry, through MOOCs.

Considering recommendation of Faculty Board of FoS, the Council noted and ratified the above agenda.

32AC (B-4-3) Department of Computer Applications:

- Approval of minor revision in syllabus of MCA programme: Programming & Problem-Solving Using C (CA6105); Relational Database Management Systems (CA6106); Web Technologies (CA6101), Object Oriented Programming Using JAVA (CA6204).
- Approval of minor revision in syllabus of BCA programme: Object Oriented Programming Using JAVA (CA2103); Web Programming (CA2102).
- Approval of introduction of MOOC course "Exploratory Data Analysis for Machine Learning" in BCA with credits transfer.

- Approval of Fundamental of Cloud Computing as Open Elective in collaboration with Google.

Considering recommendation of Faculty Board of FoS, the Council noted and ratified the above agenda with the below mentioned suggestions.

It was suggested that course completion certificate from MOOC platforms like Coursera, NPTEL, Swayam, should not be considered for evaluation of internal assessment, although some weightage can be given in the total internal assessment marks. It was also suggested to capture the report and data from other MOOC platforms like NPTEL, Swayam which will be beneficial at the time of Accreditation and Rankings. Moreover, it was suggested to have our own MOOC courses with ownership made available in MOOC platforms.

32AC (B-4-4) Department of Mathematics & Statistics

- Approval of Courses offered using NPTEL platform: Marketing Research and Analysis (MA3080); Introduction to C Language (MA2116).

Considering recommendation of Faculty Board of FoS, the Council noted and ratified the above agenda.

- Approval of MOOC platform for Project course for B.Sc. (Hons.) Maths.

The Council suggested that the HoD, Department of Mathematics & Statistics, should clarify how they are going to utilize the MOOC platform for project course. Once the HoD shares the document pertaining to this, it can be taken up for further approval.

32AC (B-4-5) Department of Physics

- Approval of minor revision in syllabus for the courses: Electronics (PY2160); Electromagnetism (PY1261) offered as a generic elective.

Considering recommendation of Faculty Board of FoS, the Council noted and ratified the above agenda.

32AC (B-5) Faculty of Arts & Law (FoA&L)

The Faculty Board of FoA&L has recommended the following changes in different programmes.

32AC (B-5-1) School of Media and Communication

- Approval of the syllabi of MA (J&MC) program on the basis of online MA (J&MC) programme.

Considering recommendation of Faculty Board of FoA&L, the Council noted and ratified the above agenda.



32AC (B-5-2) School of Law

- Approval of revised syllabus of Labour Law-I (LA2103) and Labour Law-II (LA2203) [same in BALLB(H), BBALLB(H) and LLB programmes] as per new codes of industrial laws notified in official gazette.

Considering recommendation of Faculty Board of FoA&L, the Council noted and ratified the above agenda.

32AC (B-5-3) School of Humanities and Social Sciences

- Approval of new course Basics of Language (LN6111) of 2 credits for the MA (J&MC) programme.

Considering recommendation of Faculty Board of FoA&L, the Council noted and ratified the above agenda.

32AC (B-6) Faculty of Design (FoD)

The Faculty Board of FoD had recommended the following changes in different programmes.

32AC (B-6-1) School of Architecture & Design

- Approval of Revision in Admission criteria for Master of Architecture (Landscape) programme.

Considering recommendation of Faculty Board of FoD, the Council noted and ratified the above agenda with the following suggestion.

- Approval of minor revision of syllabus for the courses in Master of Architecture (Landscape): Landscape Morphology (AR6105); Research in Landscape (AR6205); Professional Training & Pre-Thesis (AR7101); Thesis (AR7201); Networks and systems in Landscape Architecture (AR7202).

It was suggested to look into the admission criteria 3.3 for M.Arch (Landscape) wherein candidates with Master's degree are expected to apply for another Master Program which will be time consuming. Moreover, it was recommended to keep a shorter period for the bridge course. It was also suggested to look into the possibility of having a 4 years B.Arch program.



32AC (B-6-2) School of Planning & Design

- Rearranging of open elective course in B.Des (Interior Design) from V Sem to VI Sem.
- Inclusion of MOOC courses:
 - As open elective offered by Department: Graphic Design Elements for Non-Designers (ID0051).
 - In M.Des as part of regular course in I Sem.
- Proposed to swap courses between VII and VIII semesters of 4th year of B.Des (Fashion Design) programme.

Considering recommendation of Faculty Board of FoD, the Council noted and ratified the above agenda.

32AC (B-7): Faculty of Management & Commerce (FoM&C)

The Faculty Board of FoM&C had recommended the following changes in different programmes

32AC (B-7-1) TAPMI School of Business

- Approval of offering three electives under Major specialization and two electives under Minor in Trimester-5, instead of two under Major and three under Minor as mentioned in the Academic Handbook 2020-21 (an error to be rectified).
- Approval of interchanging the electives Behavioural Finance (earlier in Trimester-4) and Banking and Insurance (earlier in Trimester-5), mentioned in Academic Handbook 2021-22.
- Approval of submission of List of Major-Minor combinations in MBA 2nd Year (2020-22 Batch).
- Approval of Academic Calendar of TSB: 2021.

Considering recommendation of Faculty Board of FoM&C, the Council noted and ratified the above agenda.

32AC (B-7-2) School of Hospitality and Tourism Management

- Approval of introduction of an online open elective course "Introduction to Wine and Sensory Techniques (HA0001)" that will be conducted in hybrid mode (18 hours conducted by faculty and 18 hours from Coursera).

Considering recommendation of Faculty Board of FoM&C, the Council noted and ratified the above agenda.

32AC (B-7-3) School of Business and Commerce

- Approval to interchange the course Entrepreneurship Management (BB2104) of III Semester with Personality Development (BB3102) of V Semester in BBA programme.
- Approval of shifting of Open Elective Course from B.Com V Semester to B.Com VI Semester.
- Approval of inclusion of Course Content as per ACCA Recommendation in Courses of B.Com (Hon.) in Accounting.

Considering recommendation of Faculty Board of FoM&C, the Council noted and ratified the above agenda with the following suggestion.

- Approval to transfer the course Value, Ethics and Governance (BB0025) taught in B. Tech Program from Faculty of Management & Commerce to Faculty of Engineering.

Dean, FoM&C presented the above agenda and after a brief discussion, member suggested the following.

- Course on Value, Ethics and Governance (BB0025) not to be transferred from FoM&C to FoE.
- Chairman remarked that such arrangements allow for a cross disciplinary teaching which has it's own advantages. He advised that a curriculum can be designed with inputs from Management, Engineering & Law, and can be taken up with joint intervention of Dean FoE & Director SBC.
- Director SBC, to work on the academic workload of SBC and help build the department if additional manpower is required.

32AC (B-8): Directorate of Academics

32AC (B-8-1) Academic Calendar for Academic Year 2021-2022 published on 5th August 2021

The Council noted and ratified the above agenda.

32AC (B-8-2) Striking off names of students from university roll

The Council noted and ratified the above agenda with a suggestion to take up a closure for such students and original marksheets to be issued only in person to these students.

32AC (B-8-3) Special Summer Semester 2021 for the students of final year

- 18 students with a credit requirement of less than 13 applied for the summer semester 2021 and their requests were approved.
- 06 students with a credit requirement of less than 15-20 applied for the summer semester 2021 and their requests were approved.
- 02 students with applied for the summer semester 2021 to complete their project and project presentation. Upon recommendation from the department, their requests were approved.

The Council noted and ratified the above agenda.

32AC (B-9): Directorate of Research

32AC (B-9-1) Minutes of the 24th meeting of URC held on 10th September 2021

Some highlights of the meeting were:

- Screening process for PhD entrance exam
- Eligibility criteria for PhD supervisors / co-supervisor
- Conduction of PhD Viva-Voce examination
- Cancellation/Withdrawal of registration
- Details of PhD entrance examination held on July 21, 2021

The Council noted and ratified the above agenda.

C. AGENDA FOR INFORMATION

32AC (C-1) 33rd Academic Council Meeting:

- The 33rd Meeting of Academic Council will be held on February 11, 2022
- The last date for receiving the agenda is January 28, 2022

The council noted and ratified the same.

D. ANY OTHER MATTER WITH PERMISSION OF THE CHAIR

The meeting ended with a thanking note to all for active participation.



Registrar
Member Secretary, Academic Council



President
Chairman, Academic Council

