

MINUTES OF THE 30th MEETING OF THE ACADEMIC COUNCIL

Friday, February 12, 2021

Members Present:

Dr G K Prabhu, Dr Vinod V Thomas, Dr N N Sharma, Dr Ravishankar H Kamath, Dr Jagannath K, Dr Anuradha Chatterjee, Dr Anoop Kumar Mukhopadhyay, Dr Sudhendar Hanumantha Rao, Dr G L Sharma, Dr R S Shekhawat, Dr Jamil Akhtar, Dr Bhavna Tripathi, Dr Shiva Prasad H C, Dr Sampath Kumar Padmanabha Jinka, Dr Madhura Yadav, Dr Ajay Kumar, Dr Naresh Dutt Mathur, Dr Richa Arora, Dr Sumit Srivastava, Dr Geetika Tankha, Dr Vijay Laxmi Sharma, Dr Amitabh Shrivastava, Ar Sneh Singh.

Invited Members:

Dr Roheet Bhatnagar, Dr Nitu Bhatnagar, Dr Lucky Vijayvargiya

Leave of Absence: Dr Lalita Ledwani

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

A. AGENDA FOR DISCUSSION

30AC (A-1): Introduction of New B Tech Programmes for AY 2021-22 & onwards with:

- Splitting of the existing intake for
 - BTech (Hons) Civil Engineering with specialization in Geoinformatics, offered by department of Civil Engineering.
 - BTech (Hons) Chemical Engineering with specialization in Computer Aided Process Engineering (CAPE), offered by department of Chemical Engineering.
 - BTech (Hons) Mechanical Engineering with specialization in Robotics, offered by department of Mechanical Engineering.

Introduction of new BTech (Hons) programmes with splitting of the existing intake for some programmes was discussed in detail. It was informed that Department of Chemical Engineering has come up with a proposal to offer one more program BTech (Hons) Chemical Engineering with specialization in Petroleum Engineering with an intake of 20. It was further informed that offering of the Petroleum Engineering specialization was discussed in the preliminary meeting and BoS will be conducted before announcing the programme. It had been discussed in detail in the preliminary meeting, but BoS could not be conducted. So, an in-principle approval for the same was requested. Further, it was also conveyed that these programmes may not go for AICTE approval as these programmes are being offered within the existing intake.



- **Additional intake for**

- B. Tech (Hons) Computer Science and Engineering with specialization in Artificial Intelligence & Machine Learning, offered by department of Computer Science and Engineering.
- B. Tech (Hons) Computer Science and Engineering with specialization in IoT and Intelligent Systems, offered by department of Computer and Communication Engineering.
- B. Tech in Electrical and Computer Engineering, offered by department of Electrical Engineering.

Introduction of new BTech programmes with additional intake for some programmes was proposed. It was informed that these programmes will have to go for AICTE approval as these programmes are being offered with additional intake. It was also informed that a student after completing second year of his/her BTech (Hons) or normal BTech programme would be given the flexibility to either continue or switch to normal BTech programmes or vice-versa. For this, proper counselling of the student will be done by the concerned department.

The proposal was noted and approved in-principle by the Council.

Registrar, Evaluation, MAHE (external member) mentioned that MIT is also starting with new B Tech programmes with specialization. In this regard, it was proposed to have a joint meeting of the team from MIT with their counterparts in MUJ to discuss about the title of the programmes and other details.

30AC (A-2) New M. Tech Programmes:

30AC (A-2-1) MTech in Industrial Automation and Robotics and M. Tech. in Energy Science and Technology.

- M Tech in Industrial Automation and Robotics to be offered by the department of Mechatronics Engineering.
- M Tech in Energy Science and Technology to be offered by the department of Mechanical Engineering.

Considering the recommendation of Faculty Board of Faculty of Engineering, the Council approved the introduction of the two new M Tech programmes, with the suggestion that for the students to have energy auditing certification, two electives courses on Electrical and Thermal Auditing can be included in the curriculum and offered by Department of Electrical Engineering.

30AC (A-3): Faculty of Design

30AC (A-3-1) Department of Design

- Introduction of new program of Master of Design (Interior Design)
- Reduction in the approved intake of B. Des. (Interior Design) from 60 to 40.

Considering the recommendation of Faculty Board of Faculty of Design, the Council approved the proposals effective from academic session 2021-22 & onwards with a mention that while going for a



reduction in the approved intake, the department should also think to offer new such programmes which are more contemporary and are as per industry needs.

30AC (A-3-2) Department of Design

- Introduction of new program of Master of Fine Arts (M.F.A. – Applied Arts)

Considering the recommendation of Faculty Board of Faculty of Design, the Council approved the above programme effective from academic session 2021-22 & onwards.

30AC (A-4): Faculty of Arts & Law

30AC (A-4-1): Department of Journalism & Mass Communication

Case of a Student Mr Ankit Pareek (Reg No:181201028) was reported, who was admitted in BA(J&MC) programme in 2018 with 150 credits, but due to some unfortunate circumstances, when he joined back in his second year, the curriculum had got revised to 132 credits. Revision of academic scheme with reduced credits for him to earn a degree of BA(J&MC) was proposed before the council.

The same was approved with a suggestion that any student who gets admitted in the next batch with revised curriculum, needs to complete the degree with the revised scheme only including the number of credits. Some of the courses can be mapped to match equivalency and can be offered to the student.

30AC (A-5): Faculty of Management and Commerce

30AC (A-5-1) To recognize Company Secretary Qualification as equivalent to Post Graduate Degree for the purpose of admission to Ph.D. in Management/ Commerce and allied Programmes at Manipal University Jaipur

The Council approved the above proposal with a suggestion that the DRC can decide on the extra credit courses to be given to the student who joins for such programmes on case-to-case basis, to match his credentials as equivalent for qualification to get admitted to such programmes.

30AC (A-6): Controller of Examination

30AC (A-6-1): Specialisation of B. Tech Programs Under SCIT:

- a. B. Tech (Computer Science and Engineering)
Specialization: Artificial Intelligence and Machine Learning
- b. B. Tech (Computer Science and Engineering)
Specialization: IoT and Intelligent Systems

Proposal for deciding degree format of new proposed programmes, as per UGC recommendation was placed before the council.

The council approved the same with a comment to include (Hons) in the proposed format.



- Vision, Mission, PEOs and PSOs of B Tech Automobile Engineering
- PEOs and PSOs of M Tech Computer Aided Analysis and Design
- PEOs and PSOs of M Tech Manufacturing Engineering and Technology.

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

30AC (B-3-2) Introduction of new elective courses:

- Open elective courses for B Tech Computer Science and Engineering for 2019 batch and onwards:
 - a. CS2081 Fundamentals of Cryptography
 - b. CS2082 Fundamentals of Internet of Things
 - c. Cs3083 Fundamentals of IoT Security
 - d. Cs3084 Principles of Software Design
- "Foundation of Digital Forensics" Course in the elective bucket of B Tech in Computer and Communication Engineering.
- Program electives courses to be introduced in B Tech Electronics and Communication Engineering, applicable for the students admitted in Academic Session 2021 and onwards:
 - a. EC3244 VLSI Design with Verilog Hdl
 - b. EC3245 Antenna Design for Wireless Applications
 - c. EC 3246 Biometrics
 - d. EC 4161 System Verilog for Design & Verification
 - e. EC 4162 RF And Microwave Circuits
- Proctored mode online 3 credit Open Elective courses on Online platform offered by the Department of Electronics and Communication Engineering
- In Odd Semester Aug - Dec 2020
 - a. EC0001 Digital Circuits
 - b. EC 0002 Information Theory
 - c. EC 0003 Introduction to Wireless and Cellular Communications
 - d. EC 0004 Semiconductor Devices and Circuits
 - e. EC 0005 Peer to Peer Networks
- In Even Semester Jan – May 2021
 - a. EC0051 Hardware Description Languages for FPGA Design
 - b. EC 0052 Introduction to Programming with Matlab
 - c. EC 0053 Introduction to FPGA Design for Embedded Systems

Considering recommendation of Faculty Board of Faculty of Engineering, the Council noted and approved the same with the suggestion that the course codes need to be thoroughly checked by the Directorate of Academics and moving forward, all the course codes for any new course offered by any department should be recommended from the Directorate of Academics before being placed in the council for approval.

30AC (B-3-3) Approval of the proposed syllabus of B. Tech. in Electronics and Communication Engineering with two additional minor specializations:

- Artificial Intelligence and Machine Learning
 - a. EC3247 Introduction to AI and Machine Learning [3 0 2 4]
 - b. EC3248 Introduction to Data Analytics [2 1 0 3]



30AC (A-6-2): Thesis Submission Certificate

Proposal to issue "Thesis submission certificate" to all those who submits his/her PhD thesis, prior to the defence was placed before the Academic Council for approval.

The council noted and approved the above proposal.

30AC (A-6-3): Degree Nomenclature for the Additional Courses of 2021 Graduates

- a. Bachelor of Law (Hons)
B.B.A. LLB (Hons)
- b. Master of Architecture
M.Arch
- c. Master of Technology
M.Tech (Computer Aided Analysis and Design)
- d. Master of Technology
M.Tech (Communication Systems)
- e. Master of Technology
M.Tech (VLSI and Embedded Systems)
- f. Master of Commerce
M.Com (Financial Analysis)
- g. Master of Computer Applications
MCA

Degree nomenclature for the additional courses of 2021 graduates which are going to be used in the next convocation for awarding the degrees, was placed before the Academic Council for approval.

The council noted and approved the same with a suggestion to add the specialization of "Landscape" in the Master of Architecture.

B. AGENDA FOR RATIFICATION

30AC (B-1) Confirmation of the Minutes of the 29th Academic Council meeting held on Friday, October 09, 2020

The Minutes of the of the 29th Academic Council meeting held on Friday, October 09, 2020 were confirmed and approved by the academic council.

30AC (B-2) Action taken on the Minutes of the Previous Meeting

The Council noted and ratified the action taken on the minutes of 29th Meeting of Academic Council.

30AC (B-3) Faculty of Engineering

30AC (B-3-1) Approval of the Vision, Mission, Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs) of some programmes



- c. EC4163 Deep Learning and Neural Networks [3 1 0 4]
- d. EC4164 Special Topics in Artificial Intelligence [3 0 0 3]
- e. EC4165 Applications of AI [3 0 0 3]
- Cyber Security
 - a. EC3249 Information Theory for Cyber Security [2 1 0 3]
 - b. EC3250 Data Encryption [2 1 0 3]
 - c. EC4166 Steganography and Digital Watermarking [3 1 0 3]
 - d. EC4167 Security Assessment and Risk Analysis [3 0 0 3]
 - e. EC4168 Data Security and Access Control [3 0 0 3]

Considering recommendation of Faculty Board of Faculty of Engineering, the Council noted and approved the same with the suggestion that it's better to avoid "Introductory" courses as a 4-credit course. It was further suggested that the Department should discuss the syllabus with people having specialization in these areas and modify it accordingly.

30AC (B-3-4) Approval of evaluation scheme(s) of the following course(s):

- IT1634 Minor Project and IT1881 Major Project - BTech (IT) Students of batches before the 2019-23 batch
- IT3270 Minor Project and IT4270 Major Project - for BTech (IT) Students of batch 2019-23 and afterwards.
- IT 6204 Research Practice, IT7170 Dissertation-I, IT 7270 Dissertation-II', IT 7171 Industry Internship I' and IT 7271 Industry Internship-II' - for MTech (Data Sciences) course.

The Council noted and approved the above agenda.

30AC (B-3-5) Minor changes in curriculum of following M Tech Courses:

- Interchanging of courses in M Tech Environmental Engineering programme (without any change in syllabus of the respective courses) for the students admitted in 2021-22 & onwards.
- To interchange program elective course "CV6142 Energy, Environment and Climate change" to core course with new course code CV6107.
- To change core course CV6101 Environmental Chemistry and Microbiology to program elective course with new course code CV6144.
- Minor revision in the syllabus of M Tech Power Electronics & Drives for the students admitted in 2020-21 & onwards.

The Council noted and approved the above agenda.

30AC (B-4): Faculty of Management & Commerce

30AC (B-4-1) Tapmi School of Business

- Approval of the following courses in MBA Trimester-6 to be completed by the students through MOOC Courses on Coursera platform.

Course Code	Course Name in MBA Curriculum	Credits	Equivalent Course in Coursera (Tentative)
MB7640	Business Leadership	3	To be decided by the Course-In-Charge
MB7641	Business Analytics	2	To be decided by the Course-In-Charge



The Council noted and approved the above agenda with the mention that the MOOC courses are proctored by some faculty member.

30AC (B-4-2): Department of Business Administration

- Approval of the following course of IIIrd semester to be completed by the students through MOOC Course on Coursera platform: -

Course Code	Course Name in MBA Curriculum	Credits	Equivalent Course in Coursera (Tentative)
BB2104	Entrepreneurship Management	3	To be decided by the Course-In-Charge

- Approval of introduction of a new course BB2203- Business Analytics Using Excel (3 Credit) in 4th semester, to make our course offering more contemporary. To accommodate the credit requirement for this new course, following changes were proposed:
 - Removal of a course MA2106 Business Mathematics of 2 credit of 3rd semester. Approval for removal of course MA 2106 Business Mathematics, a 3rd semester course, as the contents of this course are already covered by BB 1102 Fundamentals of Financial Accounting, BB 1103 Cost Accounting & BB 1202 Financial Management. Copies of the syllabi of the 3 courses are submitted for perusal.
 - Removal of BB2170 Minor Project of 2 credit of 3rd semester.
 - To shift MA2209 Business Statistics of 4 credit of 4th semester to 3rd semester. (to equate the weight of 3rd and 4th semester)
- Credits of BB2202 Business Research Methods, which is of 3 credit course in 4th semester will be increased by 1 credit, thus making BB2202 Business Research Methods of 4 credit.

Considering recommendation of Faculty Board of Faculty of Management & Commerce, the Council noted and approved the above agenda with a suggestion that with the increase in number of credits, the content should also increase accordingly.

30AC (B-5): Faculty of Design

30AC (B-5-1): School of Architecture and Design

- Proposal for addition of the unit of Bamboo as construction material in the subject of AR2202 - Building Construction and Material –IV. Following contents to be added in the existing B. Arch. Curriculum and Regulation 2019 to be executed from the upcoming IV semester:
 - Introduction to Bamboo as construction material
 - Species of Bamboo as per IS code
 - Joinery details of Bamboo and its application in structure, foundation, wall, roof, doors and windows



- Change in course code of an audit course Foreign Language from AR 11004 (as per B. Arch. Academic Curriculum and Regulation 2015) to LN 5101 has been proposed as per University guidelines.
- Proposal for institutional membership of M. Arch. (Landscape) by ISOLA. As per eligibility procedures of ISOLA, the institute needs to submit copy of requisite affiliation and approval letters in addition to other documents. Hence, it is proposed to submit the UGC approval letter to ISOLA for the same.
- Addition of six new program elective courses with course content.
- Proposal for MOOC courses for Open Elective of B. Arch. and Course Work of Architecture PhD Program in MUJ

Considering recommendation of Faculty Board of Faculty of Design, the Council noted and approved the above agenda with the suggestion that the MOOC courses to be offered for the PhD program should be left to the respective DRC to decide and come up with a list of tailor-made courses and take it forward. At the same time, it was advised that these MOOC courses being offered to the PhD candidates should be proctored, without which credit transfer won't be permissible at MUJ.

Also, it was brought to the notice of the department that they need to be careful and relook into the course code of an introductory level Foreign Language course being offered to a 5th level course.

30AC (B-5-2): School of Planning and Design

Proposal of MOOC Courses/Coursera for PhD Course Work and UG program

Department of Design

- List of opted courses with course code has been recommended by SDC & URC.

Department of Fine Arts

- List of opted courses with course code has been recommended by SDC & URC.
- List of 20 MOOC courses under the Coursera platform for UG program

Department of Interior Design

- List of MOOC courses offered as program elective for the UG program from the upcoming semester.

Considering recommendation of Faculty Board of Faculty of Design, the Council noted and approved all the above agenda with the suggestion that the number of courses offered through MOOC can be limited and proctoring to be done.

30AC (B-6): Faculty of Science

30AC (B-6-1): Department of physics

- Minor modifications in syllabi of courses
 - PY2202: Quantum Physics and Quantum Mechanics
 - PY2101: Thermal Physics and
 - PY3101: Atomic and Molecular Physics



Considering recommendation of Faculty Board of Faculty of Science, the Council noted and approved the above agenda.

30AC (B-6-2): Department of Chemistry

- Modification of courses of
CY1160: General Chemistry-I
CY1260: General Chemistry-II
CY1261: General Chemistry-III
CY1106: States of Matter
CY1206: Thermodynamics and Equilibrium
CY2106: Surface, Solutions, and Mixtures and
CY1133: Chemistry Laboratory-I of B.Sc. (Hons.) Chemistry.
- Ph.D. course work (self-study) of CY8101; CY8102; CY8103; CY8104; CY8105; CY8106 and CY8107.

Considering recommendation of Faculty Board of Faculty of Science, the Council noted and approved the above agenda with the suggestion that the number of MOOC courses to be offered for PhD course work should be limited and proctoring to be done.

30AC (B-6-3): Department of Computer Applications

- Introduction of open elective subjects in BCA course for 2021 batch, as per University guidelines.
- Regarding change in eligibility criteria and syllabus of MCA course as per UGC /AICTE guidelines and introduction of Bridge Course without credits for students with Non-Computer Applications/CS/IT background.
- Inclusion of EVS in BCA as mandatory learning course.

Considering recommendation of Faculty Board of Faculty of Science, the Council noted and approved the above agenda with a suggestion that fixed number of Bridge courses can be defined with definite number of credits to keep it operationally functional.

30AC (B-6-4): Department of Mathematics & Statistics

- Recommendations of courses in Ph.D. course work
- Recommendation to introduce open elective course.

Considering recommendation of Faculty Board of Faculty of Science, the Council noted and approved the above agenda.

30AC (B-7) Faculty of Arts & Law

30AC (B-7-1) Department of Economics:

- Approval of the substituted course titled "Advanced Data Analytics in Economics" 4 credit B.A Economics (Hons.) 2019-22 semester V in place of existing course "Transport Economics" (EO3103).



- Approval of the new course "Economics of sustainable development/ Economics of Sustainability" 3 credit for Summer School.
- Approval of proposed and revamp the course content of Economics (EO2001) for B. Tech Sem-III & IV.
- Approval of proposed and revamped course content of Macro Economic Theory -I (EO1102) and Macro Economic Theory -II 4 credits of B A Economics (Hons.)

Considering recommendation of Faculty Board of Faculty of Arts & Law, the Council noted and approved the above agenda.

30AC (B-7-2) Department of Languages:

- Approval of proposed Hindi Open Elective Syllabus, Course Code & Course Nomenclature.

Considering recommendation of Faculty Board of Faculty of Arts & Law, the Council noted and approved the above agenda.

30AC (B-8): Major Academic Meetings – Calendar Structure

- A Calendar structure related to major Academic Meetings was placed before the council for approval. It has been framed to set a uniform procedure for conduction of periodic meetings related to Academic, Research and Examination activities, by different stakeholders, in consonance with the Academic Council meeting.

The Academic council noted and ratified the same.

30AC (B-9) Directorate of Academics

30AC (B-9-1) Striking off inactive student names from the University rolls.

- Proposed to strike off the names of 124 students from the University rolls who have, been inactive (not reported to the university, not cleared financial dues, not registered in any courses for a long time)

The agenda was ratified with a mention that it is being done to keep our Academic student numbers intact by following a proper procedure before striking off the names of these students.

30AC (B-9-2) Inclusion of NPTEL, MOOC courses as Open Electives from Individual Courses

- Inclusion of NPTEL, MOOC courses as Open Electives from Individual 47 which can be offered through SWAYAM/NPTEL/Coursera Platforms.

The agenda was ratified with the suggestion that the MOOC courses which have been proposed today in the council, should also be included in the list and modified.

30AC (B-10) Directorate of Research

30AC (B-10-1) Minutes of the 22nd meeting of URC.

- Minutes of the 22nd meeting of University Research Committee held on January 08, 2021.



30AC (B-10-2) Update on Ph D Examination

- Conduction of PhD Viva-Voce examination.
- Details of PhD Entrance Examination held on January 21, 2021
- Cancellation/Withdrawal of registration:
- Evaluation of the online courses for PhD course work

The above agenda was noted and ratified by the council.

C. AGENDA FOR INFORMATION

30AC (C-1) 31st Academic Council Meeting:

The 31st Meeting of Academic Council will be held on June 11, 2021.

The last date for receiving the Agenda is May 28, 2021

The same was noted by the Council.

D. ANY OTHER MATTER

30AC (D-1) Proposal to run Joint Courses by exchanging faculty members between MAHE Dubai and MUJ

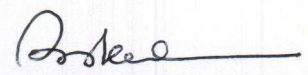
To initiate a full-scale exchange between MUJ and MAHE Dubai, it was proposed to jointly teach a few courses for B. Arch and B. Des programmes by exchanging faculty members. In order to cater to the same, approval of the following points from the Council was proposed:

- Issuing mark sheets for the **course ID: ARC-14-312, ACR-14-406.4 and DOD 2104** for the students of MAHE DUBAI.
- MUJ will only issue a letter for the MAHE DUBAI Students (for CoE) that contains the total marks each student has scored out of 100 marks.
- MAHE Dubai will acknowledge it and give the grades accordingly as per their academic rules. MUJ will accept the mark-sheets for **Course ID AR1606, AR1805-4 and ID 2202** issued by MAHE Dubai for the students of MUJ and grade it as per MUJ rules.
- Our faculty members will be permitted to teach courses at MAHE Dubai as a part of this exchange, and faculty members of MAHE Dubai will be allowed to take our courses in B. Arch and B. Des programme. However, internal faculty members of both institutions, will be a part of each class for support.
- As this initiative is a pilot, the Departments may have to run this on manual mode (excluded for DMS) at least for one academic year.

The council noted and ratified the same.

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




Registrar, MUJ