MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous& NAAC Accredited Institute Affiliated to R.G.P.V., Bhopal, M.P.)

Date: 05/12/2020

Minutes of the Academic Council Meeting

The meeting of Academic Council (AC) was held on 5th December, 2020 at 11.30 A.M. onwards in the Convention Hall of the institute. The external members have attended the meeting through Video Conferencing.

The meeting was chaired by **Dr. R. K. Pandit**, Director of the Institute. **Er. Ramesh Agarwal**, Secretary, Scindia Engineering College Society (SECS) Gwalior, **Shri Prashant Mehta,** Member, Board of Governors (Nominee of Hon'ble Chairman, BoG) attended the meeting. **Dr. Saroj Kaushik, Former Professor, IIT Delhi, Prof. R. K. Singh, Professor, University of Delhi** and Special Invitee **Dr. Rommel Mehta, Former Professor, School of Planning & Architecture**, **New Delhi** attended the meeting. While the nominees of BoG, Prof. Gajendra Dixit, Professor at MANIT Bhopal, could not attend the meeting.

Other nominees of the Hon'ble Vice Chancellor of RGPV Bhopal, Prof. Mohan Sen, Joint Director DTE Bhopal and Prof. R.S. Rajput, Former Director, UIT RGPV Bhopal and Registrar RGPV Bhopal could not attend the meeting.

The following internal members attended the meeting:

S. No.	Name	Designation	Status in AC
1.	Dr. R. K. Pandit	Director	Chairperson
2.	Dr. Manjaree Pandit	Professor (Electrical Engineering) & Dean (Academics)	Member
3.	Dr. Laxmi Srivastava	Professor & Head, Electrical Engineering	Member
4.	Dr. M. K. Trivedi	Professor & Head, Civil Engineering	Member
5.	Dr. S. S. Jadon	Professor & Head, Architecture	Member
6.	Dr. Pratesh Jayaswal	Professor & Head, Mechanical Engineering and & Academic Coordinator, TEQIP-III	Member
7.	Dr. Akhilesh Tiwari	Professor & Head, Department of Information Technology	Member Secretary
8.	Dr. Manish Dixit	Professor & Head, Department of Computer Science & Engineering	Member
9.	Dr. Laxmi Shrivastava	Associate Professor & Head, Electronics Engineering	Member
10.	Dr. V. Shinde	Professor & Head, Engineering Mathematics and Computing	Member
11.	Dr. Sanjeev Khanna	I/C HoD, Humanities	Member
12.	Prof. Archana Tiwari	Professor, Civil Engineering	Member
13.	Dr. R. S. Jadon	Professor, MCA	Member

14.	Prof. Anil Kumar Dwivedi	Associate Professor, Civil Engineering	Member
15.	Prof. Rajendra Prasad Kori	Assistant Professor, Mechanical Engineering	Member
16.	Prof. Swati Gupta	Assistant Professor & Coordinator, Chemical Engineering	Member

Dr. R. Kansal, Professor (Civil Engineering) & Dean (Students Welfare), Dr. P. K. Singhal, Professor, Electronics Engg. & Controller Examination and Dr. Sulochana Wadhwani, Professor, Electrical Engg & OBE Manager.

The following deliberations took place in the meeting. The Item wise details are as follows:

Item: AC-1	To confirm the minutes of the last Academic Council Meeting held on 15th June, 2020.
	The compliance status of the key aspects discussed and approved in the previous academic council meeting was presented before the house, as follows:
	<u>Conduction of the end term semester examination (theory and practical) for the semester Jan.-June 2020.</u>
	As approved by the house, the examination was conducted in the online mode through Multiple Choice Question (MCQ) /MCQ + Short Answers and Open Book. The institute has conducted online viva-voce exam for the evaluation of end-term practical marks for final year students.
	For the remaining UG/PG end term examinations of intermediate years / semesters for the January-June 2020 session, The UGC guidelines, April 2020, was adopted for computing the results as a composite of 50% marks on the basis of the internal evaluation conducted by the institute (mid semester tests, assignments and quiz, etc.) and the remaining 50% marks, on the basis of the performance in previous semester only.
	<u>Implementation of guidelines for accommodating the award of Marks / Grades towards SWAYAM/NPTEL/MOOC based courses for transfer of credits in the Scheme of Examination for UG / PG Programmes</u>
	In the scheme of examination, one additional block with the label 'MOOCs' has been inducted. This is for the accommodation of marks pertaining to the courses being offered from the SWAYAM/NPTEL/MOOC based learning platforms. This is in addition to the already available 'theory' and 'practical' blocks.
	Furthermore, the modified scheme of examination has been used for declaring the result of Jan. - June 2020 semester.
	<u>Inclusion of NPTEL awarded score for the courses offered through SWAYAM/NPTEL/MOOC learning platform due to COVID-19 pandemic situation.</u>
	The pass certificate from NPTEL [containing marks obtained out of 100 (concluded on the basis of score of assignments)] was honoured by the institute for credit transfer purpose for

	January-June 2020 session.
	Internal presentation and External Viva Voce exam of M.E./ M.Tech / MUP Dissertation
	As per the approval, the internal presentation and external viva voce exam of M.E. / M.Tech / MUP Dissertation are being conducted in online mode by all the departments.
	Progress of Open Category (OC) courses offered to UG VII semester under flexible scheme / curriculum
	The open category courses were offered by every department to students of UG Engineering programmes (VII semester) (under flexible scheme /curriculum). These courses were offered during the July –Dec. 2020 Semester to update the students on the interdisciplinary and application oriented aspects.
	Regarding the conduction of Advance Semester (July-Dec. 2020 Session) in online mode
	The advance semester on account of July-Dec., 2020 session (in online mode) was successfully conducted with the complete record keeping at institution level. The live classes and virtual labs were conducted and recorded lectures have also been shared with the students along with the study material. In addition, weekly quizzes and assignments were also conducted on regular basis.
	The minutes of the previous Academic Council meeting held on 15th June, 2020 were confirmed and efforts made towards implementation of the same were appreciated
Item: AC-2	To apprise the house regarding online academic activities conducted during the July-December 2020 Semester.
	The House was informed that a "Digital Teaching - Learning Action Plan" was prepared by the institute for smooth conduction of the online teaching-learning-evaluation activities. The plan was prepared on the basis of guidelines received from the MHRD, New Delhi and disseminated among the faculty members for strict adherence.
	It was apprised that the institute has conducted all the academic & other relevant activities for July – Dec. 2020 semester from 15th July 2020 onwards in online mode (through institute MOODLE and other available digital teaching learning platforms).
	To ensure the effective digital teaching learning activity, the academic calendar was strictly followed.
	The house appreciated the efforts made by the institute
Item: AC-3	To consider the proposal for 'multiple mode logical pattern' examination system
	It was discussed that due to the prevailing situation of COVID-19 pandemic, stakeholders of institute have expressed their concern about the examination. Taking note of the genuine concern of the students, faculty members and parents, it was proposed to conduct the end semester online examination (theory and practical) in

mixed mode as per the nature of courses/subjects (based on blooms taxonomy/learning levels) for July-Dec. 2020 semester and in future also (as and when applicable or desired), as detailed below:

Nature of Subject/Course	Theory/ Practical	Learning Levels	Preferable Mode of Examination
Theoretical	Theory	Remembering, Understanding, Applying	MCQ Based
Computational/ Mathematical	Theory	Applying, Analysing	Open Book
Design / Drawing	Theory	Applying, Analysing, Evaluating, Creating	Assignment + Oral
Practical (Knowledge/ Application)	Practical	Understanding, Applying	Oral
Practical (Design/Analysis)	Practical	Analysing, Evaluating	Assignment + Oral
Projects	Practical	Creating, Evaluating, Analyzing	Project Report + Oral

The MCQ / Open Book exam will be conducted for two hours duration in the online mode.

The house approved the proposal of multiple mode logical pattern examination system

Item: AC-4	To discuss and approve the proposal for conducting end term practical examinations through internal panel of subject matter experts / faculty members.

Considering the provisions and scope under the Academic Autonomy from UGC, it was proposed to conduct the end term practical examination (except PG dissertations), through the internal panel of subject matter experts / faculty members. In continuation, it was also discussed that the same arrangement for conducting end term practical exam evaluation / assessment is already under the practice at various Technical Institutions (including IITs, IIITs and NITs) / other universities and deemed universities. This arrangement will be helpful to further strengthen the effectiveness of evaluation and assessment process.

The house approved the proposal

Item: AC-5	To discuss and approve the credit requirements (in accordance with the AICTE guidelines) and weightage of theory and practical components for the award of B.Tech. degree for newly admitted (session 2020-21) students.

It was apprised that the the existing scheme of UG programmes in Engineering & Technology (under flexible curriculum) which was offered to 2017-18, 2018-19 and 2019-20 admitted batch was based on 170 Credits. Further, the students are required

to earn 20 additional credits for Honours degree in the parent discipline / Minor Specialization in other discipline.

In order to unburden the students and to give them the scope for all round development, which is the need of the current market scenario; it was proposed to adjust the credit requirement to 160 credits for the award of the B.Tech degree with effect from the 2020-21 admitted batch.

However, it is required to earn 20 additional credits (through SWAYAM/NPTEL/MOOC based learning platforms) i.e. 160 +20, for the award of Honours degree in the parent discipline / Minor Specialization in other discipline.

In continuation, it was also proposed to keep the weightage /ratio of end-term assessment and continuous internal evaluation /assessment as 60:40 in the scheme structure of UG (B.Tech programmes) w.e.f the academic session 2020-21.

The house approved the proposal

Item: AC- 6	To consider the proposal for running Foundation Courses for the UG Engineering & Technology students It was proposed to run the foundation courses for the students shifting from one branch to other branch through branch sliding in 2nd Year of UG Engineering & Technology/ taking transfer from other institution. Such students will be required to undergo foundation courses of subjects which they have not studied in the previous branch. Moreover the exam for the same will be conducted by the concerning department. **The house approved the proposal**
Item: AC- 7	To ratify the consideration of audit courses as Value Added Courses w.e.f. academic session 2020-21. Considering the interest and inclination of students, it was proposed before the house that the following existing audit courses may be conducted as "Value Added Courses" w.e.f. 2020-21 academic session. This is in view of the fact that the registration / appearing in examination for these courses were optional and therefore, it is observed that the registration rate is very low in these courses. • **Biology for Engineers** • **Indian Constitution & Traditional Knowledge** **The house approved the proposal**
Item: AC- 8	To discuss and approve the inclusion of one course through SWAYAM/NPTEL/MOOC based platform with credit transfer for the purpose of Ph.D. course work. To expose the Ph.D. scholars to the emerging courses pertaining to the recent advancements in their research domain, it was proposed that at least one course to be

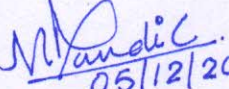|	made as compulsory through SWAYAM/NPTEL/MOOC based platform with credit transfer for the purpose of Ph.D. course work. **The house approved the proposal**
Item: AC-9	To consider the National Education Policy 2020 implementation at MITS Gwalior **In connection with the *National Education Policy 2020 (NEP 2020)*, it was discussed that the institute is keen to implement the NEP-2020 in gradual manner; therefore it was proposed that the house may authorize the Academic Development Cell (ADC) of the institute to work out strategic plan towards the implementation of the same and present the same before the house in the next meeting.** **The house approved the proposal**

Item:
 	
 AC-10
	To consider the examination pattern for the courses pertaining to Mandatory Category in the existing scheme / curriculum.
	
	 It was appraised that the institute is running following common courses in the existing scheme / curriculum of UG Engineering & Technology (under the Mandatory Category courses). Further, it was proposed that the examination for these courses may be conducted in online (MCQ pattern) mode for two hours duration, in place of the traditional examination, with effect from 2020-21 academic session
	
	    ➢ **Energy, Environment, Ecology & Society**
	    ➢ **Ethics, Economics, Entrepreneurship & Management**
	    ➢ **Disaster Management**
	    ➢ **Intellectual Property Rights (IPR)**
	
	 The house approved the proposal

Item: AC-11	To apprise about the Induction Program and commencement of academic session for newly admitted students (session 2020-21). **It was appraised that the induction program (in virtual mode) for newly admitted students was planned and conducted from 1st to 5th December 2020. Moreover, the classes will start from 7th December 2020 in the virtual mode through institute MOODLE and other available teaching learning platforms.** **The house has noted and appreciated the efforts made by the institute**
AC-12	To increase the weightage of credits for Professional Development component for UG programmes. **It was proposed to increase the credits of the "Professional Development" course in the existing scheme / curriculum of UG Engineering & Technology at VIII semester from 1 to 2 credits, with effect from 2020-21 academic session. This will help to**

	further motivate the students towards improved contribution in the activities covered under the professional development component. **The house approved the proposal**
Item: AC- 13	To consider the approval of scheme structure and curriculum of MBA programme under autonomous structure. **The scheme structure and curriculum of MBA programme to be started from academic session 2020-21, was presented before the house for kind approval.** **The house approved the scheme structure and curriculum of MBA programme**
Item: AC- 14	To consider the proposal for the early registration in the mandatory MOOCs courses (to be offered through SWAYAM/NPTEL based learning platforms) to the newly admitted students (academic session 2020-21) of M.E./M.Tech programmes **It was proposed that the M.E./M.Tech. Students be permitted to register for the mandatory SWAYAM/NPTEL and MOOC platform based courses of their second semester, in Jan.-Feb. 2021 so that the credit requirements of their second semester are fulfilled in a timely manner (by May - June 2021).** **This is in lieu of the delayed admission process & academic session due to COVID-19 pandemic.** **The house approved the proposal**
Item: AC- 15	To review and approve the minutes of the meeting of Board of Studies (BoS) held in the month of November 2020 through video conferencing. **The deliberation of Board of Studies (BoS) were presented by the Chairpersons of the following departments:** [Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics Engineering, Computer Science & Engineering, Information Technology, Chemical Engineering, Engineering Mathematics and Computing, Architecture, Applied Sciences and Humanities]. ***The presentation covered the following Agenda points of the respective BoS:*** {{nested table}}

Nested table within AC-15:

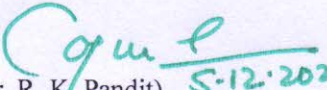|	
Item 1:	To propose the list of courses which the students can opt from SWAYAM/NPTEL/MOOC Platform, to be offered in online mode under Departmental Elective (DE) category, for credit transfer in the VIII Semester(Batch admitted in 2017-18): applicable during January-June 2021 academic session
Item 2:	To propose the list of courses which the students can opt from SWAYAM/NPTEL/MOOC Platform to be offered (for students of other departments) in online mode under Open Category(OC) for credit transfer in the VIII Semester (Batch admitted in 2017-18): applicable during January-June 2021 academic session

Item 3:	To propose the list of "Additional Courses" which can be opted for getting an (i) Honours (for students of the host department) (ii) Minor Specialization (for students of other departments) [These will be offered through SWAYAM/NPTEL/MOOC based Platforms for the VI semester (for the batch admitted in 2018-19)and for VIII semester students(for the batch admitted in 2017-18)]applicable during January-June 2021 academic session	
Item 4:	To review and finalize the list and syllabi for all Departmental Elective (DE) Courses of VI Semester to be offered to (the batch admitted in 2018-19)under the flexible curriculum along with their COs ; {applicable during January-June 2021 academic session}	
Item 5:	To review and finalize the list of Courses from SWAYAM/NPTEL/MOOC Platform to be offered (for batch admitted in 2018-19)in online mode under Departmental Elective (DE) Courses for credit transfer in the VI Semester{applicable during January-June 2021 academic session}	
Item 6:	To review and finalize the Courses & Syllabi to be offered (for batch admitted in 2018-19) under the Open Category (OC) Courses for VI semester students of other departments along with their COs	
Item 7:	To review and finalize the Courses & Syllabi (along with their COs) of UG VI Semester (to be offered to batch admitted in 2018-19) and UG IV Semester (to be offered to batch admitted in 2019-20) under Departmental Core (DC) Courses	
Item 8:	To review and finalize the Scheme & Syllabi (I & II semester) of the NEW B.Tech. programme(s) to be started by the departments w.e.f. the batch admitted in 2020-21	
Item 9:	To identify gaps in CO attainment levels for Jan-June 2020 semester and propose corrective measures for improvement	
Item 10:	To prepare and propose the equivalence list of courses for B. Tech programmes (for 2017-18, 2018-2019, 2019-2020 & the 2020 admitted batch)	
Item 11:	Any other matter	

The house approved the minutes and recommendations made by different Board of Studies (BoS).

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

(Dr. Akhilesh Tiwari)
Member Secretary, Academic Council

05/12/2020.
(Dr. Manjaree Pandit)
Dean, Academics

5-12-2020
(Dr. R. K. Pandit)
Director &
Chairperson, Academic Council