



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(Deemed University)

(Declared Under Distinct Category by Ministry of Education, Government of India)

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Minutes of the Academic Council Meeting

Date: 17.12.2025

The meeting of the Academic Council (AC) was held on 17th December, 2025 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**, Vice-Chancellor of the Madhav Institute of Technology & Science- Deemed University.

Prof. Mahesh Chandra Govil, Director NIT Sikkim, **Prof. I. K. Bhat**, Former Director, MNIT Jaipur and **Dr. Rommel Mehta**, Former Professor, Department of Landscape Architecture, School of Planning and Architecture (SPA), New Delhi and **Prof. Lalit Kumar Awasthi**, Vice Chancellor, Sardar Patel University, Mandi, Himachal Pradesh, attended the meeting.

The following internal members attended the meeting:

S. No.	Name	Designation	Status in AC
1.	Dr. R. K. Pandit	Vice Chancellor	Chairperson
2.	Dr. Manjaree Pandit	Pro-Vice-Chancellor	Member
3.	Dr. P. K. Singhal	Dean, Quality Assurance and Professor, Electronics	Invitee Member
4.	Dr. Sanjay Tiwari	Professor & Head, Civil Engineering	Member
5.	Dr. M.K. Gaur	Dean, Academics and Professor (Mechanical Engineering) & In-charge Head, Chemical Engineering	Member
6.	Dr. Akhilesh Tiwari	Professor & Head, Information Technology	Member
7.	Dr. Manish Dixit	Professor & Head, Computer Science & Engineering	Member
8.	Dr. Sulochana Wadhvani	Professor & Controller Examination, MITS-DU	Invitee Member
9.	Dr. D. K. Jain	Professor & Head, Engineering Mathematics and Computing	Member
10.	Dr. Vandana Vikas Thakare	Professor & Head, Electronics and Telecommunication Engineering	Member
11.	Dr. Laxmi Shrivastava	Professor & Head, Electronics Engineering	Member
12.	Dr. Shishir Dixit	Professor & Head, Electrical Engineering	Member
13.	Dr. Anjali S. Patil	Professor & Head, Architecture	Member
14.	Dr. Sanjeev Khanna	Associate Professor & Head, Humanities and Management	Member

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15.	Dr. R. R. Singh Makwana	Associate Professor & Head, Centre for Artificial Intelligence	Member
16.	Dr. Praveen Bansal	Associate Professor & Head, Centre for Internet of Things	Member
17.	Dr. Saurabh K. Rajput	Assistant Registrar & Assistant Professor, Centre for Internet of Things	Invitee Member
18.	Dr. Saumil Maheshwari	Assistant Professor, Computer Science and Technology	Member Secretary
19.	Dr. Nikhil Paliwal	I/C Registrar & Assistant Professor, Electrical Engineering	Member
20.	Dr. Mir Shahnawaz Ahmad	Assistant Professor, School of Artificial Intelligence	Invitee Member
21.	Dr. Abhishek Dixit	Assistant Professor & Coordinator, Centre for Computer Science and Technology	Invitee Member
22.	Dr. Priyanka Garg	Assistant Registrar & Assistant Professor, Centre for Internet of Things	Invitee Member

Internal member Mr. Anish Jacob, Assistant Professor & co-ordinator Chemical Engineering could not attend the meeting.

The following deliberations took place in the meeting:

ITEM: AC-1	<p>To confirm the minutes of the last Academic Council Meeting held on 25th June 2025</p> <p>The compliance status of the key aspects approved in the previous academic council was discussed as per the following:</p> <ul style="list-style-type: none">• Modification in the Use of Unfair Means (UFM) Rules under the MITS-DU Examination System <p>The proposed revised categorization and penalty under the UFM policy (Category A and Category B punishment) were considered and approved by the Academic Council. The revised UFM rules have been implemented across all programmes under the MITS-DU examination system.</p> <ul style="list-style-type: none">• Minor Amendments in the Ordinances of Undergraduate (UG) and Postgraduate (PG) Programmes under the Provision of the Summer Semester <p>The Academic Council considered and approved the proposed minor amendments. The approved changes (Provision of Summer Semester for PG Programmes) have been duly incorporated and implemented within the MITS-DU academic framework.</p> <ul style="list-style-type: none">• Proposal for Offering Postgraduate Programmes (except MCA, MBA, and MUP) through Online Mode <p>The Academic Council deliberated on the proposal in light of regulatory bodies policies/directions and the evolving educational landscape. The matter is currently under</p>
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	<p>process, with necessary regulatory and operational frameworks being examined for implementation.</p> <ul style="list-style-type: none">• Proposal Allowing Students to Pursue Two Academic Programmes Simultaneously (in line with NEP 2020) <p>The Academic Council discussed the initiative in alignment with the objectives of the National Education Policy (NEP) 2020. The proposal remains under process, pending evaluation of academic feasibility within the MITS-DU system.</p> <ul style="list-style-type: none">• The revised scheme structure for the core B.Tech. programmes and B.Tech. programmes in the CSE/IT domain and emerging area programmes was approved. <p>As per the approval of the house, the newly proposed modules under Mandatory Workshop Component (MWS) (One day) were offered during the July- December 2025 Semester.</p> <ul style="list-style-type: none">• To review and approve the Holistic Development specific - Novel Engaging Courses (NEC) to be offered in the July-December 2025 session <p>The house approved the concluded list of 114 Novel Engaging Courses along with the course contents, focusing on many areas for the students admitted under Deemed University structure. Out of the offered courses, the number of NEC courses opted by the students of the III semester were 40 and I Semester were 47.</p> <ul style="list-style-type: none">• Review and subsequently approval of the recommendations of the minutes of the different Board of Studies (BoS) held in the month of June 2025. <p>As per the approval of the house, the scheme/curriculum and relating courses were offered during the July- December 2025 semester.</p> <p>As approved by the Academic Council, the ordinances & scheme structures were subsequently presented to the Executive Council during its meeting on June 28, 2025. These ordinances & scheme structures have been in effect for the batches admitted under the Deemed University structure.</p> <p><u>The minutes of the previous Academic Council meeting, held on June 25, 2025, were approved, and the efforts made toward their implementation were acknowledged.</u></p>
ITEM: AC-2	<p>To consider and approve the minor amendments in the Ph.D. Ordinance</p> <p>It was proposed to allow the following amendments in the ordinance, applicable to the candidates registered for the Ph.D. Programme under the MITS-DU:</p>

Page 3 of 20

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Section	Clause/ Category	Earlier Provision	Proposed Amendment												
Section 11	11.4 Broad Distribution of Weightage of Marks for continuous evaluation of theory courses	Minor 1 and Minor 2 of 20 marks each and quiz/assignments of 30 marks	Minor 1 and Minor 2 of 25 marks each and quiz/assignments of 20 marks												
			<table border="1"> <thead> <tr> <th></th> <th>Minor-1</th> <th>Minor-2</th> <th>Quiz/ Assignment</th> </tr> </thead> <tbody> <tr> <td>Earlier Provision</td> <td>20</td> <td>20</td> <td>30</td> </tr> <tr> <td>Proposed for Ratification</td> <td>25</td> <td>25</td> <td>20</td> </tr> </tbody> </table>		Minor-1	Minor-2	Quiz/ Assignment	Earlier Provision	20	20	30	Proposed for Ratification	25	25	20
			Minor-1	Minor-2	Quiz/ Assignment										
Earlier Provision	20	20	30												
Proposed for Ratification	25	25	20												
11.9 Committee for the comprehensive examination	Only Research Advisory Committee (RAC) was designated for the conduction of the comprehensive examination, as per clause 12.5	Committee for the comprehensive examination shall constitute of: i. Dean Academics* ii. Dean Quality Assurance* iii. Dean Research* iv. RAC Chairperson* v. Additionally, one external representative can be included from another institute/ organization/university/industry of National/International repute recommended by the supervisor/co-supervisor/Chairperson RAC and approved by the Pro-VC/VC. vi. RAC members A minimum of two (02) members from (i), (ii) and (iii) of the above proposed composition marked with													

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					* shall be required to be present to form the quorum for any official meeting / decision making process related to the Comprehensive Examination of the PhD scholar.
			13.1 Pre-PhD Advisory Committee (PPAC)	The PPAC shall constitute of the following members: i. Supervisor/ Head of the Department ii. Dean of respective Faculty iii. VC or his/her nominee iv. Additionally, one external representative can be included from another institute/ organization/university/ industry of National/International repute recommended by the supervisor/co-supervisor and approved by the VC/ Dean of the respective Faculty.	The composition of the PPAC was revised as per the notice ref. no Pro-VC/MP/2025/632 dated 26th June 2025, the composition, which is proposed to be amended as follows: i. Pro-Vice Chancellor ii. Dean Academics iii. Dean Quality Assurance iv. Dean Research v. Head of the respective discipline / department / Centre/School {i.e. The Chairperson of Research Advisory Committee (RAC) of the PhD Scholar} vi. Supervisor(s) of the PhD Scholar vii. Additionally, one external representative from another institute/ organization/university/ industry of National/International repute recommended by the supervisor/co-supervisor and approved by the Pro-VC/VC. A minimum of three (03) members from the above composition shall be required to be present to form the
			Section 13		

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				quorum for any official meeting / decision making process related to the Pre-PhD presentation of the PhD scholar. These three members will not include supervisor(s).
		13.2 Submission of draft thesis before the PPAC	Prior to the submission of the draft thesis to the office of the Faculty PhD Coordinator , the research scholar shall make a pre-Ph.D. presentation before the PPAC. Based on the feedback and comments received during this presentation, the PPAC shall either approve the thesis or communicate the required modification(s) to be incorporated in the draft thesis. In case modifications are sought by the PPAC, then the research scholar shall be required to submit the revised draft thesis to the PPAC, maximum within one month, which shall then evaluate whether the required modifications have been incorporated. Before forwarding the draft thesis to the Faculty PhD Coordinator by the supervisor, the PPAC shall ensure that the research scholar fulfils all other requirements regarding submission of draft thesis as per the provisions of this Ordinance. If thesis is not approved by the PPAC the research scholar shall again	Prior to the submission of the draft thesis to the PhD Section , the research scholar shall make a pre-PhD presentation before the PPAC. Based on the feedback and comments received during this presentation, the PPAC shall either approve the thesis or communicate the required minor/major modification(s) to be incorporated in the draft thesis. (i) If minor modifications are recommended by the PPAC, the research scholar shall submit the revised draft thesis along with a "response to the comments" to the supervisor <u>within one month</u> . After approval by the supervisor, the thesis shall be submitted to the PhD Section. (ii) If major modifications are recommended by the PPAC, then the research scholar shall be required to submit the revised draft thesis along with the "response to comments" to the PPAC <u>within three months</u> , which

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			make a pre-Ph.D. presentation before the PPAC within a maximum of six months.	<p>shall then evaluate whether the required modifications have been incorporated. Before forwarding the draft thesis to the PhD section by the supervisor, the PPAC shall ensure that the research scholar fulfils all other requirements regarding submission of draft thesis as per the provisions of this Ordinance.</p> <p>If thesis is not approved by the PPAC the research scholar shall again make a pre-Ph.D. presentation before the PPAC within maximum of six months.</p> <p>Additional one month extension (for all cases of PPAC recommendation) may be considered only after a written request is made to the PhD section forwarded by supervisor(s) subject to the approval of the Pro-Vice Chancellor/Vice Chancellor.</p>
Section 15	15.1	Appointment of Examiners, Evaluation of Thesis and Viva-Voce Examination	On approval of draft thesis from PPAC and submission of thesis according to this ordinance, the supervisor shall submit to the Faculty PhD Coordinator , in a sealed envelope, a panel of at least ten external experts from outside the jurisdiction of this MITS-DU, who are actively involved in the	On approval of draft thesis from PPAC and submission of thesis according to this ordinance, the supervisor(s) shall submit to the PhD Section , in a sealed envelope, a panel of at least ten external experts from outside the jurisdiction of this MITS-DU, who are actively involved in the concerned area of

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			concerned area of research. These experts should not be below the rank of Associate Professor or equivalent. Five of these experts should be from foreign institutions/ IISc/IIT/NIT/IIIT and other five experts should be from other Institutions of national/international repute / Central Universities /Research Organizations of outside the state of Madhya Pradesh. This list should be forwarded to Dean of Respective Faculty by the Faculty PhD Coordinator within a week.	research. These experts should not be below the rank of Associate Professor or equivalent. Five of these experts should be from foreign institutions/ IISc/IIT/NIT/IIIT and five experts can be from other Institutions of national/international repute / Central Universities /Research Organizations of outside the state of Madhya Pradesh. This list should be forwarded to Pro-Vice-Chancellor by the PhD section within a week.
		Section 15	15.9 Appointment of Examiners, Evaluation of Thesis and Viva-Voce Examination	In its evaluation report the examiners shall categorically recommend one out of the following i) accept in the present form; recommended for conducting the viva-voce examination (ii) minor revision; recommended for conducting the viva-voce examination after the revised thesis is approved by the supervisor and RAC and presented before the PPAC (iii) major revision; revised thesis is approved by the supervisor and RAC and presented before the PPAC after which it is sent for re-evaluation by the examiner (iv) or rejection and shall provide: i. Detailed comments regarding points mentioned in this Ordinance.

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			<p>i. Detailed comments regarding points mentioned in this Ordinance.</p> <p>ii. Comments on thesis chapters.</p> <p>iii. A list of at least ten questions which examiner wishes to be asked from the research scholar during the open house PhD defence.</p>	<p>ii. Comments on thesis chapters.</p> <p>iii. A list of at six to ten questions which examiner wishes to be asked from the research scholar during the open house PhD defence.</p>	
		Section 15	15.10	<p>If the examiner(s) need any clarification regarding the research work of the research scholar, they may seek it from the supervisor of the research scholar through the Dean of Respective Faculty. This provision shall be incorporated in the letter to be sent to the examiners while sending the thesis.</p>	To be removed
			15.11 Case ii.	<p>In case all the examiners reject the thesis.</p> <p style="text-align: center;">OR</p> <p>One of them rejects the thesis and the other recommends a major revision, the thesis shall be rejected.</p>	<p>In case all the examiners reject the thesis shall be rejected.</p> <p style="text-align: center;">OR</p> <p>One of them rejects the thesis and the other recommends a major revision, the thesis shall be sent to a third examiner (in place of the one who rejected the thesis) appointed by the Vice Chancellor, from the panel of examiners according to provision of this ordinance. The previous reports shall not be disclosed to the third examiner.</p> <p>If the third examiner approves the thesis for the</p>

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award of the Ph.D. degree, and revised thesis suggesting the major revisions is approved by the examiner (suggested major revisions) then the research scholar shall be called upon to appear at the open house PhD defence. If the third examiner rejects or recommends a major revision, the thesis shall stand rejected. However, if the third examiner recommends for minor revision, the research scholar shall be communicated to revise the thesis in the light of the observations of the third examiner. Revised thesis incorporating minor revision(s) shall be sent to the Examiners and the research scholar shall be called upon to appear at the open house PhD defence once the revised thesis is approved by both the examiners.

Upon the completion of coursework, administrative oversight of all Ph.D. scholars shall be executed by the Ph.D. Section of MITS-DU in place of the Faculty Ph.D. Coordinator. The Ph.D. Section shall assume full responsibility for executing office orders pertaining to the comprehensive certificate, Pre-Ph.D. Advisory Committee (PPAC), draft thesis submission, and final thesis defence as per the ordinance.

The house noted and approved the amendments in the Ph.D. ordinance

ITEM: AC-3

To consider and approve the minor amendments in the Multiple Entry and Exit Options, Promotion and the Evaluation Mechanism under the UG and PG Ordinance

It was proposed to allow the following amendments in the ordinances, applicable to the students registered for the UG and PG Programme under the MITS-DU:

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Section	Clause/ Category	Earlier Provision	Proposed Amendment
Section 5	5.1 Multiple Exit options at the end of each year of B.Tech./B.Arch Degree	5.1.1 Completion of 1 year and earning of 40-45 credits including successful completion of Skill Internship Program-I and Novel Engaging Courses (NEC): Certificate in Engineering Sciences	5.1.1 Completion of 1 year and earning of Minimum 40 credits including successful completion of Skill Internship Program-I and Novel Engaging Courses (NEC): Certificate in Engineering Sciences
		5.1.2 Completion of 2 years and earning of 80-90 credits including successful completion of Skill Internship Program-II and Novel Engaging Courses (NEC): Diploma in respective discipline	5.1.2 Completion of 2 years and earning of Minimum 80 credits including successful completion of Skill Internship Program-II and Novel Engaging Courses (NEC): Diploma in respective discipline
		5.1.3 Completion of 3 years and earning of 125-135 credits: Bachelor of Vocational (B.Voc.) in respective discipline	5.1.3 Completion of 3 years and earning of Minimum 120 credits: Bachelor of Science (B.Sc.)
		5.1.4 Completion of 4 years and earning minimum 160 credits: B.Tech. degree in respective discipline	5.1.4 Completion of 4 years and earning minimum 160 credits: B.Tech. degree in respective discipline
		As stipulated in Section 5.1 of the UG/PG ordinances concerning the Multiple Entry and Exit options (NEP 2020), a CGPA of minimum 5.0 is proposed as the baseline minimum condition for the award of any exit certificate, diploma, or B.Sc. As this is the requirement for the respective award of degree. > Notwithstanding this requirement, and as a benefit of understanding the case, it is proposed that the Post Graduate Diploma in Computer Applications be awarded to Mr. Aditya Rajput (Enrollment No. MCCA24O1004).	

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<p>Section 6</p>	<p>6.2, 6.3 & 6.4 Structure of Under Graduate B.Tech. Degree</p>	<p>The option to pursue a B. Tech degree with Honours/Minors is proposed to include an additional 18 credits (which was 20 credits earlier), in accordance with the AICTE model curriculum, along with other mandatory requirements for awarding the B. Tech degree with Honours/Minors.</p>				
<p>Section 8</p>	<p>8.4 Registration & Orientation</p>	<p>A student is not permitted to register for more than two backlog courses in a semester over and above the regular credits of a semester.</p>	<p>A student is not permitted to register for more than two backlog courses in a semester over and above the regular credits of a semester. Exemption: The above course count limit shall not apply to Mandatory Audit Courses, Mandatory Workshops, SIP, or NEC (as these courses do not affect promotion).</p>			
		<p>However, Undergraduate and postgraduate students may register for backlog department elective courses offered via SWAYAM NPTEL in subsequent semesters (limited to courses approved by the respective Board of Studies), with no limits on the number of such courses or restrictions on registering for odd- or even-semester courses.</p>				
<p>Section 9 (UG Ordinances)/</p>	<p>9.2.1 (UG Ordinances) Continuous Evaluation /</p>	<p>Minor 1 and Minor 2 of 20 marks each and quiz/assignments of 30 marks</p>	<p>Minor 1 and Minor 2 of 25 marks each and quiz/assignments of 20 marks</p>			
<p>Section 10 (PG Ordinances)</p>	<p>Section 10 (PG Ordinances) 10.6. The distribution of weightage/marks:</p>	<p>In order to emphasize on the continuous evaluation with balanced evaluation between subjective and objective knowledge of student, the following minor changes in the weightage of evaluation are proposed for the ratification in all theory courses offered under UG and PG programmes</p>				
			<table border="1"> <tr> <td data-bbox="1438 2537 1606 2641">Minor-1</td> <td data-bbox="1606 2537 1774 2641">Minor-2</td> <td data-bbox="1774 2537 1984 2641">Quiz/Assignment</td> </tr> </table>	Minor-1	Minor-2	Quiz/Assignment
Minor-1	Minor-2	Quiz/Assignment				

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			Earlier Provision	20	20	30																								
			Proposed for Ratification	25	25	20																								
		9.4 Award Grades of	<ul style="list-style-type: none"> Under the Teaching and Evaluation provisions of the UG Ordinance, clause 9.4 on the award of grades proposes the introduction of a new letter grade "E" just above FL in the Table below showing the 'Particulars of the Grading System'. The "E" grade represents minimal competency but allows the student to earn the credit, rather than outright failing and repeating the course. This grade carries 3 grade points and is proposed to be a traditional grade just above FL grade, with the following conditions: <ul style="list-style-type: none"> The Letter Grade 'E' is restricted to a maximum of one theory course and one practical block course per semester (i.e., a cumulative maximum of two courses). This grade covers a specific range below the Grade 'D' threshold: up to a maximum of 6 marks for courses evaluated out of 100, and a maximum of 3 marks for courses with total marks less than 100. The award of this letter grade is proposed to be implemented (including Summer Semester), the detailed mechanism for which will be developed in due course of time. <p style="text-align: center;"><i>Particulars of Grading System</i></p> <table border="1"> <thead> <tr> <th>Grade</th> <th>Grade Point (p_i)</th> <th>Description of Performance</th> </tr> </thead> <tbody> <tr> <td>AAA</td> <td>10</td> <td>Outstanding</td> </tr> <tr> <td>AA</td> <td>9</td> <td>Excellent</td> </tr> <tr> <td>A</td> <td>8</td> <td>Very Good</td> </tr> <tr> <td>B+</td> <td>7</td> <td>Good</td> </tr> <tr> <td>B</td> <td>6</td> <td>Above Average</td> </tr> <tr> <td>C</td> <td>5</td> <td>Average</td> </tr> <tr> <td>D</td> <td>4</td> <td>Below Average</td> </tr> </tbody> </table>				Grade	Grade Point (p_i)	Description of Performance	AAA	10	Outstanding	AA	9	Excellent	A	8	Very Good	B+	7	Good	B	6	Above Average	C	5	Average	D	4	Below Average
Grade	Grade Point (p_i)	Description of Performance																												
AAA	10	Outstanding																												
AA	9	Excellent																												
A	8	Very Good																												
B+	7	Good																												
B	6	Above Average																												
C	5	Average																												
D	4	Below Average																												
		Section 9 (UG Ordinances)																												

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		E	3	Borderline Pass/ Marginal
		FL	0	Very Poor/Fail
		IL	0	Incomplete
		WL	0	Withdrawal
Section 11 (UG Ordinances)	11.2 Promotion to Higher Semester and Year	A candidate who fails in more than five courses (including theory and practical courses) in a particular year, shall not be admitted to the next higher year. However, NEC/MAC/SIP/Non credits courses shall not be included in this.		A candidate who fails in more than five courses (including theory and practical courses) in a particular year, shall not be admitted to the next higher year. However, Semester Proficiency/ NEC/MAC/SIP/Non credits courses shall not be included in this.
	11.4 Promotion to Higher Semester and Year	If a candidate has passed all the courses of an applicable year but has failed to score a minimum CGPA of 5.0 as specified above, such a candidate is allowed to make up/ improve their CGPA through the summer semester. Further, if a candidate fails to makeup/improve the CGPA through the summer semester, then he/she has to reappear for the continuous/end semester evaluation of the selective courses (Maximum of 4 courses including theory/practical).		If a candidate has passed some or all the courses of an applicable year but has failed to score a minimum CGPA of 5.0 as specified above, such a candidate is allowed to make up/ improve their CGPA through the summer semester. Further, if a candidate fails to makeup/improve the CGPA through the summer semester, then he/she has to reappear for the continuous/ end semester evaluation of the selective courses (Maximum of 4 courses including theory/practical).

The house noted and approved the amendments in the UG/B.Arch./M.Tech./MUP/MCA/MBA ordinances

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ITEM: AC-4

To review and approve the structure for the Minor Degree with Research in Science & Technology and Minor Degree in Artificial Intelligence (AI) from IV semester onwards

It was proposed to allow the Minor Degree with Research in Science & Technology for the students registered for the B.Tech. Programme under the MITS-DU and Minor Degree in Artificial Intelligence (AI) from IV semester onwards for the students registered for the B.Tech. and B.Arch. Programme under the MITS-DU.

Any student upon earning additional 18 (Eighteen) credits shall be awarded the Minor Degree with Research in Science & Technology and Minor Degree in AI. Students need to earn these credits through the courses over and above the regular degree courses of 160 credits. If a student has already earned a credit for a course as part of his parent degree course then that course shall not be considered for the award of Minor degree.

For the award of B. Tech with Minor degree (other domain)/Minor degree with research in Science and Technology, students must complete their degree in the stipulated time period of four years only.

- Proposed structure for the Minor Degree with Research in Science & Technology from IV semester onwards

S.No.	Course	Category	Credits
1.	Introduction to Research (Research Methodology)	Core	3
2.	Qualitative Research Methods and Research Writing	Core	3
3.	-Research Tools • Matlab Programming for Numerical Computation • Scientific Computing using Python	Elective [#]	3
4.	Elective -2	Elective [#]	3
5.	Research Project	Practical	6

[#]Elective course will be decided by the department/Centre level, approved by the BoS

The following shall govern for the award of 'Minor Degree with Research in Science & Technology'

- > All courses other than the research project will be offered from the Swayam/NPTEL platform/ MITS MOOCs/other platforms as approved by the Executive Council. The courses may be changed as per the availability of the course. Certification cost to be borne by students themselves.

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- A student can opt for maximum two courses in a semester from IV semester onwards.
- Basic research courses are required to be completed by the candidate before commencement of research project (at the end of V Semester)
- Research Project will commence from VI semester of the candidate, under the supervision of a guide/mentor
- Minimum 1 (One) SCOPUS indexed publication is mandatory for the award of 'Minor degree with Research in Science and Technology' within a stipulated time period of four years only.

In accordance with the structure, an amendment is proposed to Section 6 of the UG Ordinance concerning the Structure of the Undergraduate B.Tech. Degree, whereby credits for research projects or theses completed as part of the Minor Degree in Research in Science and Technology may be earned at MITS or any other recognized institution, following the prescribed norms.

- Proposed structure for the Minor Degree in AI from IV semester onwards

Semester	Courses
4th	Artificial Intelligence: Knowledge Representation and Reasoning
	Parallel Computer Architecture
	GPU Architectures and Programming
5th	Deep Learning - IIT Ropar
	Responsible & Safe AI Systems
6th	AI: Constraint Satisfaction
	Natural Language Processing
7th	Applied Accelerated Artificial Intelligence
	Reinforcement Learning
8th	Affective Computing
	Introduction to Large Language Models (LLMs)

The following shall govern for the award of 'Minor Degree in Artificial Intelligence (AI)':

- The above courses/ list of courses will be offered from Swayam/NPTEL platform/ MITS MOOCs/other platforms as approved by the Executive Council and are likely to revise/change as per the availability of the course. Certification cost to be borne by the interested students themselves.
- Students need to acquire additional 18 credits, over and above the regular courses part of the degree programme, to be eligible for the award of degree with Minor in AI.
- A student can opt for maximum two courses in a semester from IV semester onwards.

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- Minor in Artificial Intelligence (AI) will be awarded only if a student earns additional 18 (Eighteen) credits within a stipulated time period of four years only.

The house approved the proposal

ITEM: AC-5

To review and approve the proposed enhancements for introducing greater flexibility in the structure of UG Programmes under the MITS-DU

As per the recommendation of the Academic Advisory Cell of the institute dated 1st July 2025 & 26th November 2025, the key changes proposed were:

- It was proposed for ratification that for all programmes (excluding the Architecture discipline, Postgraduate, and Ph.D. programmes), the Major evaluations for all the courses are to be conducted in Multiple Choice Question (MCQ) mode.
- It was proposed for approval of the house to evaluate the Mandatory Audit Courses using rubrics based continuous assessment only. Further, it was proposed to place MACs in the practical block where during the allotted time slots student presentations on allotted topics will follow faculty instruction.

Attendance of the student	Presentation (on a sub-topic under the MAC title and content during the session)	Quiz based assessment (4 best quizzes out of 6 conducted through the session)	Total Marks
20 Marks	40 Marks	40 Marks	100 Marks

Proposed change will unburden the students from writing an examination; two minors in pen and paper mode and 01 major in MCQ mode and will permit interactive activity based learning and development of soft skills in students.

- The topics for MWS (to be conducted from I to IV semester), are fixed and listed in the below table. The MWS to be conducted in V and VI semesters are flexible; however, a minimum one mandatory workshop is to be conducted in V as well as VI semester. The arrangements/ modules under the component of Mandatory Workshop are proposed as follows:

SN	Topic of MWS	Semester
1	Report Writing	I
2	Indian Constitution and Cultural Values	

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	<table border="1"><tbody><tr><td>3</td><td>Career Planning and Goal Setting</td><td>II</td></tr><tr><td>4</td><td>Indian Knowledge System</td><td>III</td></tr><tr><td>5</td><td>Intellectual Property Rights (IPR)</td><td>IV</td></tr><tr><td colspan="2">Minimum one Mandatory Workshop to be conducted in V and VI semester, from the list below:<ul style="list-style-type: none">• Writing Research Articles: Idea to Publication• Internships: Explore, Apply and Excel• Placement Readiness: Building Resume and Mastering Interview• Mastering Competitive SuccessOR/And On any emerging technological advancements in the domain.</td><td>V semester and VI semester</td></tr></tbody></table>	3	Career Planning and Goal Setting	II	4	Indian Knowledge System	III	5	Intellectual Property Rights (IPR)	IV	Minimum one Mandatory Workshop to be conducted in V and VI semester, from the list below: <ul style="list-style-type: none">• Writing Research Articles: Idea to Publication• Internships: Explore, Apply and Excel• Placement Readiness: Building Resume and Mastering Interview• Mastering Competitive Success OR/And On any emerging technological advancements in the domain.		V semester and VI semester	
3	Career Planning and Goal Setting	II												
4	Indian Knowledge System	III												
5	Intellectual Property Rights (IPR)	IV												
Minimum one Mandatory Workshop to be conducted in V and VI semester, from the list below: <ul style="list-style-type: none">• Writing Research Articles: Idea to Publication• Internships: Explore, Apply and Excel• Placement Readiness: Building Resume and Mastering Interview• Mastering Competitive Success OR/And On any emerging technological advancements in the domain.		V semester and VI semester												
	<p>The scheme structure will apply to the candidates registering in the core and the CSE/IT domain B.Tech. programmes under the MITS-DU. The detailed scheme structure is annexed as <i>ANNEXURE-1(a)&1(b)</i></p> <p><u>The house noted and approved the proposal</u></p>													
ITEM: AC-6	<p>To review and approve the Holistic Development specific - Novel Engaging Courses (NEC) to be offered in the January-June 2025 session</p> <p>The house was informed that, as a part of Holistic Education initiative under NEP 2020, the institute has concluded a list of 86 Novel Engaging Courses along with the course contents, focusing on many areas for the students admitted under Deemed University structure. The tentative list of NECs was proposed for the approval from the house. However, the list will remain dynamic and may be updated.</p> <p><i>The complete list of Novel Engaging Courses is annexed as ANNEXURE-2</i></p> <p><u>The house has noted and appreciated the proposal</u></p>													
ITEM: AC-7	<p>To review and approve the minutes of the Board of Studies (BoS) held in the month of June 2025 under MITS-DU</p> <p>The deliberation of Board of Studies was presented by the HoDs / Chairpersons / Coordinators of various programmes under the following departments/Centres:</p>													

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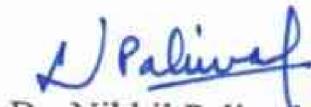
	<p>[Civil, Mechanical, Electrical, Electronics, Electronics and Telecommunication, Computer Science & Engineering, Information Technology, Engineering Mathematics and Computing, Chemical Engineering, Centre for Artificial Intelligence, Centre for IoT, Centre for Computer Science and Technology, Architecture, Humanities and Management].</p> <p>The presentation covered the agenda items of the respective BoS, as per the <i>ANNEXURE-3</i></p> <p><i>The house approved the minutes and recommendations made by different Board of studies (BoS)</i></p>
ITEM: AC-8	<p>To review and approve the minutes of the Board of Studies (BoS) held in the month of June 2025 under RGPV autonomy structure</p> <p>The deliberation of Board of Studies was presented by the HoDs / Chairpersons / Coordinators of the following departments/Centres: [Civil, Mechanical, Electrical, Electronics, Electronics and Telecommunication, Computer Science & Engineering, Information Technology, Engineering Mathematics and Computing, Chemical Engineering, Centre for Artificial Intelligence, Centre for IoT, Architecture].</p> <p>The presentation covered the agenda items of the respective BoS, as per the <i>ANNEXURE-4</i></p> <p><i>The house approved the minutes and recommendations made by different Board of studies (BoS)</i></p>

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


Dr. Priyanka Garg


Dr. Abhishek Dixit


Dr. Mir Shahnawaz Ahmad


Dr. Nikhil Paliwal


Dr. Saumil Maheshwari

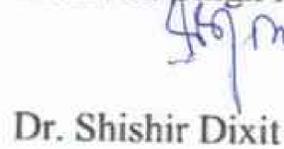

Dr. Saurabh K. Rajput

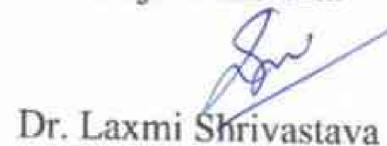

Dr. Praveen Bansal

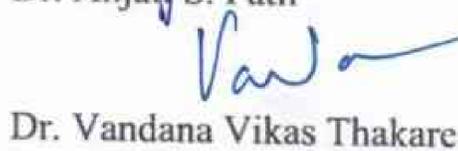

Dr. R. R. Singh Makwana


Dr. Sanjeev Khanna


Dr. Anjali S. Patil


Dr. Shishir Dixit


Dr. Laxmi Shrivastava


Dr. Vandana Vikas Thakare


Dr. D. K. Jain


Dr. Sulochana Wadhvani







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Dr. Manish Dixit

Dr. Akhilesh Tiwari

Dr. M.K. Gaur

Dr. Sanjay Tiwari

Dr. P. K. Singhal

Dr. Manjaree Pandit
(Pro-Vice-Chancellor)

Present Online
Dr. Rommel Mehta
(External Expert)

Present Online
Prof. I. K. Bhat
(External Expert)

Present Online
Prof. Mahesh Chandra Govil
(External Expert)

Present Online.
Prof. Lalit Kumar Awasthi
(External Expert)

Dr. R. K. Pandit
Vice Chancellor



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Annexure-1(a)

Semester-Wise General Scheme Structure & Important Guidelines for Flexible Curriculum

(Batch admitted in Academic Session 2025-26 onwards)

Abbreviations Used

L	Lecture
T	Tutorial
P	Practical
HSMC	Humanities and Social Sciences including Management Courses
BSC	Basic Science Courses
ESC	Engineering Science Courses
DC	Departmental Core
DE	Departmental Elective
OC	Open Category
DLC	Departmental Laboratory Courses
MOOC	Massive Open Online Course
MWS	Mandatory Workshop
SP	Semester Proficiency
SIP	Skill Internship Program
SLP	Self-learning Presentation
PSC	Professional Skills & Competencies
PDC	Professional Development Component
PBL	Project Based Learning
PC	Professional Certification
MAC	Mandatory Audit Course
NEC	Novel Engaging Course



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Scheme of Evaluation

B. Tech. VIII Semester (.....) (for batch admitted in academic session 2023-2024 onwards)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted										Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation	
				Theory Block			Practical Block			MOOCs					L	T	P					
				Minor Evaluation I	Minor Evaluation II	Quiz/Assignment	Major Evaluation	Continuous Evaluation	Major Evaluation	Assignment	Exam											
1.		DE	Departmental Elective* (DE-5)	-	-	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	1 Hr.	
2.		OC	Open Category Course* (OC-3)	-	-	-	-	-	-	-	-	25	75	100	2	-	-	2	Online	MCQ	1 Hr.	
3.		PBL	Industry Internship/ Research Internship/ Innovation & Start-up	-	-	-	-	280	120	-	-	-	-	400	-	-	20	-	Experiential	SO	-	
4.		PDC	Professional Development**	-	-	-	-	-	50	-	-	-	-	50	-	-	4	-	Integrative	SO	-	
Total				-	-	-	-	280	170	-	-	50	150	650	05	-	24	-	-	-	-	17

Summer Semester of six-eight week duration will be conducted to complete any backlog courses.

Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree

*MCQ: Multiple Choice Question AO: Assignment + Oral SO: Submission + Oral

**Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform

** Evaluation will be based on participation/laurels brought by the students to the institution in national/state level technical and other events during the complete tenure of the UG programme (participation in professional chapter activities, club activities, cultural events, sports, personality development activities, collaborative events, MOOCs, technical events, institute department committees, etc.)

HSMC	BSC	ESC	DC	DE	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS
0	0	0	0	1	1	0	0	0	0	0	1	1	0	0

Face to Face	Mode of Learning			Mode of Examination			Total Credits
	Online	Face to Face	Lab	Interactive	PDC	Theory	
						MCQ	
						OB	
						AO	
						SO	

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 DEPARTMENT OF INFORMATION TECHNOLOGY
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Suggested topics of MWS	Semester
<p>Minimum one Mandatory Workshop to be conducted in V and VI semester, from the list below:</p> <ul style="list-style-type: none"> • Writing Research Articles: Idea to Publication • Internships: Explore, Apply and Excel • Placement Readiness: Building Resume and Mastering Interview • Mastering Competitive Success <p style="text-align: center;">OR/And</p> <p>On any emerging technological advancements in the domain. <i>MWS should be conducted by either an external or internal resource person, preferably during the regular teaching hours.</i></p>	<p>V semester and VI semester</p>



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Annexure - I(b)

Semester-Wise General Scheme Structure & Important Guidelines for Flexible Curriculum
(Batch admitted in Academic Session 2025-26 onwards)

Abbreviations Used

L	Lecture
T	Tutorial
P	Practical
HSMC	Humanities and Social Sciences including Management Courses
BSC	Basic Science Courses
ESC	Engineering Science Courses
DC	Departmental Core
DE	Departmental Elective
OC	Open Category
DLC	Departmental Laboratory Courses
MOOC	Massive Open Online Course
MWS	Mandatory Workshop
SP	Semester Proficiency
SIP	Skill Internship Program
SLP	Self-learning Presentation
PSC	Professional Skills & Competencies
PDC	Professional Development Component
PBL	Project Based Learning
PC	Professional Certification
MAC	Mandatory Audit Course
NEC	Novel Engaging Course



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Scheme of Evaluation

B. Tech. III Semester (.....)

(For batch admitted in academic session 2025-26 onwards)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted										Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block			Practical Block			Total Marks	L	T	P							
				Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation	Continuous Evaluation Lab Work & Sessional	Major Evaluation											
1.		BSC		25	25	20	30	-	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs		
2.		DC		25	25	20	30	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs		
3.		DC		25	25	20	30	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs		
4.		DC		25	25	20	30	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs		
5.		DC		25	25	20	30	-	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs		
6.		DLC		-	-	-	-	70	30	-	100	-	-	2	1	Experimental	AO	-		
7.		DLC		-	-	-	-	70	30	-	100	-	-	2	1	Experimental	AO	-		
8.		DLC	Problem Solving through Python Programming	-	-	-	-	70	30	-	100	-	-	2	1	Experimental	AO	-		
9.		SP	Semester Proficiency ⁵	-	-	-	-	50	-	-	50	-	-	2	1	Face to Face	SO	-		
10.		PBL	Macro Project-F	-	-	-	-	70	30	-	100	-	-	2	1	Experiential	SO	-		
11.		SLP	Self-learning/Presentation ⁶ (SWAYAM/NPTEL/MOOC)	-	-	-	-	40	-	-	40	-	-	2	1	Mentoring	SO	-		
12.	NECXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	-	50	-	-	1	1	Interactive	SO	-		
Total				125	125	100	150	420	120	1040	12	04	12	22	22	-	-	-		
13.		MAC	Cyber Security	-	-	-	-	100	-	-	100	-	-	2	-	Blended	SO	-		
14.		MWS	Mandatory Workshop on Indian Knowledge System at Department Level	-	-	-	-	-	-	-	-	-	-	-	-	Interactive	MCQ	-		

Skill Internship Program (Institute Level) (Qualifier): Minimum 30 hours duration: To be Credited in IV Semester

⁵Semester Proficiency- includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses

⁶MCQ: Multiple Choice Question **AO**: Assignment + Oral **SO**: Submission + Oral

⁷Macro Project-I will be presented and evaluated through an interdisciplinary project evaluation committee.

⁸Compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance and presentation.

Mode of Learning										Mode of Examination					
Theory					Lab					Theory			Lab		
Face to Face	Online	Interactive	Mentoring	Face to Face	Blended	Experiential	Experimental	PP	MCQ	OB	SO	AO	SO		
0	0	1	0	0	0	3	1	1	1	0	1	1	1		

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted										Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block			Practical Block			Total Marks	L	T	P							
Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation	Continuous Evaluation Lab Work & Sessional	Major Evaluation	Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation					Continuous Evaluation Lab Work & Sessional	Major Evaluation	Minor Evaluation I	Minor Evaluation II	Quiz/ Assignment	Major Evaluation	Continuous Evaluation Lab Work & Sessional
1.		BSC		25	25	20	30	-	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs		
2.		DC		25	25	20	30	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs		
3.		DC		25	25	20	30	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs		
4.		DC		25	25	20	30	-	-	-	100	2	1	-	3	Face to Face	MCQ	2 Hrs		
5.		DC		25	25	20	30	-	-	-	100	3	-	-	3	Face to Face	MCQ	2 Hrs		
6.		DLC		-	-	-	-	70	30	-	100	-	-	2	1	Experimental	AO	-		
7.		DLC		-	-	-	-	70	30	-	100	-	-	2	1	Experimental	AO	-		
8.		DLC	Problem Solving through Python Programming	-	-	-	-	70	30	-	100	-	-	2	1	Experimental	AO	-		
9.		SP	Semester Proficiency ⁵	-	-	-	-	50	-	-	50	-	-	2	1	Face to Face	SO	-		
10.		PBL	Macro Project-F	-	-	-	-	70	30	-	100	-	-	2	1	Experiential	SO	-		
11.		SLP	Self-learning/Presentation ⁶ (SWAYAM/NPTEL/MOOC)	-	-	-	-	40	-	-	40	-	-	2	1	Mentoring	SO	-		
12.	NECXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	50	-	-	50	-	-	1	1	Interactive	SO	-		
Total				125	125	100	150	420	120	1040	12	04	12	22	22	-	-	-		
13.		MAC	Cyber Security	-	-	-	-	100	-	-	100	-	-	2	-	Blended	SO	-		
14.		MWS	Mandatory Workshop on Indian Knowledge System at Department Level	-	-	-	-	-	-	-	-	-	-	-	-	Interactive	MCQ	-		



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B. Tech. IV Semester (.....) (for batch admitted in academic session 2024-25 onwards)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted										Total Marks	Contact Hours per week	Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block				Practical Block			Major Evaluation	Major Evaluation	Major Evaluation						
				Minor Evaluation I	Minor Evaluation II	Quiz/Assignment	Continuous Evaluation	Continuous Evaluation Lab Work & Sessional	Major Evaluation										
1.		BSC		25	25	20	-	-	-	30	-	-	100	3	-	3	Face to Face	MCQ	2 Hrs
2.		DC		25	25	20	-	-	-	30	-	-	100	2	1	3	Face to Face	MCQ	2 Hrs
3.		DC		25	25	20	-	-	-	30	-	-	100	2	1	3	Face to Face	MCQ	2 Hrs
4.		DC		25	25	20	-	-	-	30	-	-	100	3	-	3	Face to Face	MCQ	2 Hrs
5.		DG	Data Science	25	25	20	-	-	-	30	-	-	100	3	-	3	Face to Face	MCQ	2 Hrs
6.		DLC	Data Science Lab	-	-	-	-	-	70	30	-	-	100	-	2	1	Experimental	AO	-
7.		DLC		-	-	-	-	-	70	30	-	-	100	-	2	1	Experimental	AO	-
8.		DLC	Competitive Programming	-	-	-	-	-	70	30	-	-	100	-	2	1	Experimental	AO	-
9.		SP	Semester Proficiency*	-	-	-	-	-	50	-	-	50	-	-	2	1	Face to Face	SO	-
10.		PBL	Macro Project-II*	-	-	-	-	-	70	30	-	-	100	-	2	1	Experimental	SO	-
11.	NECXXXX	NEC	Novel Engaging Course (Activity Based Learning)	-	-	-	-	-	50	-	-	50	-	1	-	1	Interactive	SO	-
12.	SIPXXXX	SIP	Skill Internship Program	-	-	-	-	-	60	-	-	60	-	-	-	2**	Experimental	SO	-
Total				125	125	100	-	440	120	150	-	1060	13	03	10	23	GRADE	-	-
13.		MAC	Project Management, Economics & Financing	-	-	-	-	100	-	-	-	100	-	2	-	1	Blended	SO	-
14.		MWS	Mandatory Workshop on Intellectual Property Rights at Department Level	-	-	-	-	-	-	-	-	-	-	-	-	1	Interactive	MCQ	-

Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree

Semester Proficiency- includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses

MCQ: Multiple Choice Question AO: Assignment + Oral SO: Submission + Oral

Macro Project-II will be presented and evaluated through an interdisciplinary project evaluation committee. These credits will be transferred from Skill Internship Program.

Mode of Learning										Mode of Examination														
Face to Face					Online					Blended					Interactive					MWS				
PC	BSC	ESC	DC	DE	OC	DLC	NEC	SP	SIP	SLP	PDC	PBL	MAC	MWS	AO	OB	SO	AO	SO					
0	1	0	4	0	0	3	1	1	1	0	0	1	1	2	-	-	-	-	-					

Theory					Lab					Total Credits					
Face to Face		Online		Blended		Experimental		PP		Theory		Lab		Total Credits	
AO	SO	AO	SO	AO	SO	AO	SO	AO	SO	AO	SO	AO	SO	AO	SO

Scheme of Evaluation



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B. Tech. V Semester (.....) (for batch admitted in academic session 2024-25 onwards)

S. No.	Course Code	Category Code	Course Name	Maximum Marks Allotted										Total Marks	Contact Hours per week			Total Credits	Mode of Learning	Mode of Major Evaluation	Duration of Major Evaluation
				Theory Block			Practical Block			MOOCs					L	T	P				
				Minor Evaluation I	Minor Evaluation II	Quiz/Assignment	Major Evaluation	Continuous Evaluation Lab Work & Sessional	Major Evaluation	Assignment	Exam										
1.		DC		25	25	20	30	-	-	-	-	-	-	2	1	-	3	Face to Face	MCQ	2 Hrs	
2.		DC		25	25	20	30	-	-	-	-	-	-	2	1	-	3	Face to Face	MCQ	2 Hrs	
3.		DC	Artificial Intelligence and Machine Learning	25	25	20	30	-	-	-	-	-	-	2	1	-	3	Face to Face	MCQ	2 Hrs	
4.		DC		25	25	20	30	-	-	-	-	-	-	2	1	-	3	Face to Face	MCQ	2 Hrs	
5.		DE	Departmental Elective* (DE-1)	-	-	-	-	-	-	25	75	-	-	3	-	-	3	Online	MCQ	3 Hrs	
6.		DLC		-	-	-	-	70	30	-	-	-	-	-	-	2	1	Experimental	AO	-	
7.		DLC	Artificial Intelligence and Machine Learning Lab	-	-	-	-	70	30	-	-	-	-	-	-	2	1	Experimental	AO	-	
8.		SP	Semester Proficiency*	-	-	-	-	50	-	-	-	-	-	-	-	2	1	Face to Face	SO	-	
9.		PSC	Professional Skills & Competencies - I	-	-	-	-	70	30	-	-	-	-	-	-	4	2	Face to Face	MCQ	2 Hrs	
10.		PHI	Cornerstone Project	-	-	-	-	70	30	-	-	-	-	-	-	4	2	Experiential	SO	-	
Total				100	100	80	120	330	120	25	75	950	11	04	14	22					
11.		MAC	Supply Chain Management	-	-	-	-	100	-	-	-	-	-	2	-	-	GRADE	Blended	SO	-	
12.		MWS	Mandatory Workshop as per Anticure at Department Level	-	-	-	-	100	-	-	-	-	-	-	-	-	GRADE	Interactive	MCQ	-	

Additional Course for Honours or Minor Degree: Permitted to opt for maximum two additional courses for the award of Honours or Minor Degree

*Semester Proficiency-- includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in the semester courses

MCQ: Multiple Choice Question AO: Assignment + Oral SO: Submission + Oral

* Course run through SWAYAM/NPTEL MOOC Learning Based Platform

HSMC	BSC	FSC	DC	DE	OC	DLC	NEC	SP	SIP	SLP	PDC	PSC	PBL	MAC	MWS
0	0	0	4	1	0	2	0	1	0	0	0	1	1	1	1

Mode of Learning						Mode of Examination						Total Credits		
Theory			Lab			Theory			Lab					
Face to Face	Online	Face to Face	Experiential	Experimental	PP	MCQ	OB	AO	SO					

Scheme of Evaluation



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(Deemed University)
(Declared Under Distinct Category by Ministry of Education, Government of India)

NAAC Accredited with A++ Grade



Department of.....

Suggested topics of MWS	Semester
<p>Minimum one Mandatory Workshop to be conducted in V and VI semester, from the list below:</p> <ul style="list-style-type: none">• Writing Research Articles: Idea to Publication• Internships: Explore, Apply and Excel• Placement Readiness: Building Resume and Mastering Interview• Mastering Competitive Success <p>OR/And</p> <p>On any emerging technological advancements in the domain.</p> <p>MWS should be conducted by either an external or internal resource person, preferably during the regular teaching hours.</p>	V semester and VI semester

Annexure-2

**LIST OF NOVEL ENGAGING COURSES FOR II SEMESTER
JAN - JUNE 2026 SEMESTER**

S. No.	Course Id.	Course Name	Mentor Name	Mentor_Dept
1.	NEC00001	Environment Protection* - II	Aditya K. Agarwal	CE
2.	NEC00003	National Service Scheme** - II	Deep Kishore Parsediya	ET
3.	NEC00007	National Cadet Corps** - II	B.P.S. Bhadoria	NCC
4.	NEC00011	Games & Sports** - II	B.P.S. Bhadoria	Sports
5.	NEC00015	Holistic Health* - II	Vishal Chaudhary	EE
6.	NEC00017	Food and Nutrition	Anjula Gaur	CM
7.	NEC00018	Gender Sensitization	Anshu Chaturvedi	CSE
8.	NEC00019	Craft Practices in India	Gautam Bhadoriya	CE
9.	NEC00020	Study of Historical Monuments of Gwalior	Jaimala Jha	CSE
10.	NEC00021	Smart Home Technologies	Vikas Sejwar	IT
11.	NEC00022	Electrical Safety	Vijay Bhuria	EE
12.	NEC00023	Know your Country: History, Culture & Traditions	Neha Bhardwaj	IT
13.	NEC00024	Innovation: From Creativity to Entrepreneurship** - II	Ankit Tiwari	EE
14.	NEC00028	Bhagwad Gita- An Introduction	C.S. Malvi	ME
15.	NEC00029	Electrical Home Appliances	Sunil Kumar Shukla	C-AI
16.	NEC00030	Internet as Social Media	Shubha Mishra	C-AI
17.	NEC00031	Umpiring of Sports	B.P.S. Bhadoria	Sports
18.	NEC00032	Capture & Create Digital Photography	Shourabh Raghuwanshi	CM
19.	NEC00033	Global Democratic Systems	Arun Kumar	C-AI
20.	NEC00034	Lessons of Life and Times from the Mahabharata	Arzoo Choubey	Humanities
21.	NEC00037	English Literary Skills	Sanjeev Khanna	Humanities
22.	NEC00038	Preliminary Journalism Skills	Anish P. Jacob	CM
23.	NEC00039	Basic and Advanced Excel	Abhilash Shukla	CE
24.	NEC00040	Microsoft Office-Excel Skills	Abhilash Sonker	IT
25.	NEC00041	Microsoft Word and PowerPoint for Beginners	Pooja Sahoo	ET
26.	NEC00042	The Art of Mandala Meditation	Vibha Tiwari	C-AI
27.	NEC00043	Ramayana-An Epic Story	Abhishek Bhatt	C-AI
28.	NEC00045	Electoral Dynamics: Understanding the Indian Election System	Aftab Ahmed Ansari	C-IoT
29.	NEC00048	TechWell Health	Devanshu Tiwari	CSBS
30.	NEC00049	Tableau Hands-on Training for Data Science	Dheeraj Kumar Dixit	CSE
31.	NEC00051	Smart Device-Smart Use	Nishant Jain	CSE
32.	NEC00052	Power of Motivation	Geetam Shukla	EE
33.	NEC00053	Microsoft Power BI: Data Visualization for Beginners	Himanshu Singh	ET
34.	NEC00054	Mindfulness, Meditation & Stress Management	Mahesh Parmar	CSE
35.	NEC00055	Engineering for Social Reform	Mukesh Kumar Mishra	EL
36.	NEC00057	Static Web Development	Rahul Dubey	CSE
37.	NEC00058	Digital Detox and Wellness	Rahul Kumar	C-AI
38.	NEC00059	Hindi Language Poem and Songs Writing	Rakesh Narvey	EE
39.	NEC00061	Glorious Tradition of Science in India: From Ancient to Modern Times	Vaibhav Shivhare	ME
40.	NEC00064	Sculpture Making	Pranshi Jain	Architecture
41.	NEC00068	Mastering LaTeX: Typesetting for Scientific Writing	Hardev Singh Pal	C-AI

S. No.	Course Id.	Course Name	Mentor Name	Mentor_Dept
42.	NEC00069	Analytical Modeling of Semiconductor Devices	Varun Mishra	EC
43.	NEC00110	German Language-I	Gulshan Soni	C-CST
44.	NEC00112	Sustainable Innovation: From Waste to Worth	Sunita Sharma	CE
45.	NEC00113	AI Vocabulary and Language	Soumyajit Ghosh	C-IoT

LIST OF NOVEL ENGAGING COURSES FOR IV SEMESTER (Tentative)
JAN - JUNE 2026 SEMESTER

S. No.	Course Code	Course Name	Mentor	Mentor Deptt.
1.	NEC00070	3D Printing	Gavendra Norkey	ME
2.	NEC00071	Robotics	Karuna Markam	ET
3.	NEC00072	Animation	Amit Manjhar	CSE
4.	NEC00005	National Service Scheme - IV	Surendra Kumar Chourasiya	NSS
5.	NEC00009	National Cadet Corps - IV	B.P.S. Bhadoria	NCC
6.	NEC00013	Games & Sports - IV	B.P.S. Bhadoria	Sports
7.	NEC00106	Software Development - II	Atul Chauhan	Data Resource
8.	NEC00073	SPSS For Data Analysis	Prachi Singh	CE
9.	NEC00075	Technical Report Writing for Engineers	Minakshi	MAC
10.	NEC00076	LT Spice Tutorial for Circuit Simulation	Vikas Mahor	EL
11.	NEC00077	MATLAB Simulink	Deepak Batham	ET
12.	NEC00078	Computational Methods for Engineers using MATLAB	Nitin Upadhyay	ME
13.	NEC00079	Basics of Campus Recruitment Training	Trilok Pratap Singh	MBA
14.	NEC00080	Professional Networking & CSR	Monica Chauhan Bhadoriya	MBA
15.	NEC00081	Practical Electronics for Inventors	Madhav Singh	EL
16.	NEC00082	Basics of Control Systems for Engineers	R.P. Narwaria	EL
17.	NEC00083	Computational Thinking for Problem Solving	Sanjiv Sharma	IT
18.	NEC00084	Technical Writing	Nidhi Saxena	IT
19.	NEC00085	Digital Image Enhancement Techniques	Shubhi Kansal	ET
20.	NEC00086	Software Model and Project Management Life Cycle	Parul Saxena	CSE
21.	NEC00087	Statistical Data Analysis through Programming	Dhananjay Bisen	C-IoT
22.	NEC00026	Innovation: From Creativity to Entrepreneurship - IV	Varun Sharma	ET
23.	NEC00088	Control System Design using MATLAB	Vikram Saini	EE
24.	NEC00089	High Frequency Structure Simulator	Priyanka Garg	C-IoT
25.	NEC00090	Scientific Research Writing	Divya Chaturvedi	MAC
26.	NEC00091	Solving Problems Using Modelling and Simulation	Kuldeep Narayan Tripathi	CSD
27.	NEC00092	Block Chain Technology	Vikram Rajpoot	IT
28.	NEC00093	Internet of Things	Nookala Venu	C-IoT
29.	NEC00094	Computer Vision AR/VR	Pawan Dubey	C-AIR
30.	NEC00095	Workshop Practice	Vaibhav Shivhare	ME

S. No.	Course Code	Course Name	Mentor	Mentor Deptt.
31.	NEC00096	Engineering Drawing	Vedansh Chaturvedi	ME
32.	NEC00097	Real Time Model Making	Hemant Shrivastava	CE
33.	NEC00098	Hadoop Ecosystem	Devesh Kumar Lal	CSD
34.	NEC00099	Designing Digital Circuits: A Modern Approach	Kuldeep Kumar Swarnkar	EE
35.	NEC00100	Data Analytics for Renewable Energy	Saurabh Rajput	C-IoT
36.	NEC00101	Basics of AutoCAD and Ansys Software	Sharad Agrawal	ME
37.	NEC00102	Managerial Aspect in Engineering	Jyoti Vimal	ME
38.	NEC00103	An Insight of Indian Thinker: Ancient to Modern	Tej Singh	C-AIR
39.	NEC00104	Designing of Compensators and Controllers	Rahul Dubey	ET
40.	NEC00105	Basic Image Processing of Python using Google Colab	Hemant Choubey	EL
41.	NEC00108	Programming Skills - II	Anurag Singh Tomar	C-AI



Agenda of the BoS Meeting

(BoS Meeting held Between 1st to 3rd December 2025)

Instructions for preparing BoS Proceedings

{All information is to be uploaded on the webpage under suitable heading (such as Board of Studies) and separate links to be provided for each category mentioned below}

Minutes should have a summary/cover page mentioning all the significant changes made in the following given format :

Courses where revision was carried out*							
Course name	Course Code	Year/Date of introduction	Year/Date of revision	Percentage of content added or replaced	Agenda Item No.	Page No.	Link of relevant documents/minutes

1.

New Courses added*					
Course name	Course Code	Activities/contents which have a bearing on increasing skill and employability	Agenda Item No.	Page No.	Link of relevant documents/minutes

* Separate page(s) for each of the above points; Agenda point wise minutes to be appended with each point and a separate link to be given in the appropriate column for each point

2. The BoS minutes along with the cover/summary page (under point number 1, above) must be uploaded on the departmental web page and **link for the same must be shared with the office of the Pro-Vice-Chancellor**

3. Minutes should have footer with department/centre name, page number, and date of the meeting:
"Recommended in the Board of Studies Meeting of <department/centre name> held on <date>

4.



Each page should be signed by the members of BoS, scanned and then submitted to the Pro-Vice-Chancellor

BoS Agenda Items

Item 1	To confirm the minutes of previous BoS meeting held in the month of June 2025
Item 2	To review and finalize the scheme structure of B.Tech./B.Arch. II semester for the Batch admitted in 2025-26 academic session under the Madhav Institute of Technology & Science-Deemed University (MITS-DU) structure
Item 3	To review and finalize the syllabi of all courses of UG programmes - B. Tech. and B.Arch. II Semester (for batch admitted in 2025-26) along with their COs and CO-PO/PSO matrix. <i>{The fifth unit of each course will remain dynamic and therefore, to be designed based on the current technological advancements. As the nature is dynamic, the contents can be added/deleted during real time content delivery}</i>
Item 4	To review and finalize the Experiment list/ Lab manual and project list under Micro Project-II for all the Laboratory Courses to be offered in UG programmes – B.Tech. and B.Arch. II Semester (for batch admitted in 2025-26) along with their COs and CO-PO/PSO matrix.
Item 5	To review and finalize the scheme structure of B.Tech./B.Arch. IV semester for the Batch admitted in 2024-25 academic session under the Madhav Institute of Technology & Science-Deemed University (MITS-DU) structure
Item 6	To review and finalize the syllabi of all courses of UG programmes - B. Tech. and B.Arch. IV Semester (for batch admitted in 2024-25) along with their COs and CO-PO/PSO matrix. <i>{The fifth unit of each course will remain dynamic and therefore, to be designed based on the current technological advancements. As the nature is dynamic, the contents can be added/deleted during real time content delivery }</i>
Item 7	To review and finalize the Experiment list/ Lab manual and project list under Macro Project-II for all the Laboratory Courses to be offered in UG programmes – B.Tech. and B.Arch. IV Semester (for batch admitted in 2024-25) along with their COs and CO-PO/PSO matrix.
Item 8	To review and finalize the list of additional courses for Honours/Minors to be offered from SWAYAM/NPTEL/Institute MOOC based platform for UG programmes – B.Tech. and B.Arch., IV Semester (for batch admitted in 2024-25) . <i>{Pool of Courses for Honours to be offered in minimum three specialization tracks allowing the students to pursue the courses of one track for the award of Degree with Honours}</i>
Item 9	To propose/update the list of professional certification platforms and relating certifications with specific domain/areas of certification. {representative list to be prepared} <i>{These professional certifications to be honoured for credit transfer in VI semesters}</i>



माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.),
INDIA

Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
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Item 10	To review and finalize the scheme structure & syllabi of PG Programmes, II semester (admitted in 2025-26 session) along with their COs.
Item 11	To review and finalize the syllabus/module content for Classified Novel Engaging Courses to be offered in PG programmes, II semester (2025-26 admitted batch).
Item 12	To review and finalize the courses and syllabi for all courses of PG Programmes including the System Development Projects (MCA/MBA), IV semester (2024-25 admitted batch) along with their Course Outcomes (COs). {Applicable for the concerned department}
Item 13	To review the CO attainments, identify gaps and suggest corrective measures for the improvement in CO attainment levels for the courses taught in second semester, January-June 2025 Session.
Item 14	To consider and review the curriculum feedback from various stakeholders, its analysis and impact report. {Curriculum offered under MITS –DU structure (i.e. 2024-25 admitted batch) to be considered}
Item 15	BoS Agenda under RGPV Structure as per the Annexure-1
Item 16	Any other Matter



Agenda of the BoS Meeting

(BoS Meeting Scheduled in December 2025)

Instructions for preparing BoS Proceeding	
1.	The BoS minutes along with the cover/summary page) must be uploaded on the departmental web page .
2.	The following must be uploaded on the departmental web page <ul style="list-style-type: none">• The Stakeholder feedback collected & analyzed to find the index out of five• Action Taken Report on each feedback
3.	Minutes should have footer with department name, page number, and month of meeting.
4.	Each page should be signed by all faculty, scanned and then submitted to the Dean Academics office
BoS Agenda Items	
Item 1	To confirm the minutes of previous BoS meeting held in the month of June 2025.
Item 2	To propose the scheme structure of VIII Semester with the provision of ONE DE & ONE OC course to be offered in online mode with credit transfer for the batch admitted in academic year 2022-23 . (The total credits from I-VIII semester should not be less than 160 for this batch) and to propose the list of course under Departmental Elective (DE) category courses (DE4), open category (OC3) and Additional Courses (Honours/Minors Specialization) through SWAYAM/NPTEL/MOOC based Platforms
Item 3	To propose the list of courses which the students can opt from SWAYAM/NPTEL/ other MOOC Platforms/ Institution (MITS) MOOC, to be offered in online mode under Departmental Elective (DE) category courses (DE4) and open category (OC3) for credit transfer in the VIII Semester under the flexible curriculum (Batch admitted in academic year 2022-23)
Item 4	To propose the list of "Additional Courses" which can be opted for getting an <ul style="list-style-type: none">(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 B.Tech. VIII semester students (for the batch admitted in 2022-23)] and for B.Tech. VI semester (for the batch admitted in 2023-24]
Item 5	To review and finalize the scheme structure of B.Tech VI Semester under the flexible curriculum (Batch admitted in 2023-24)
Item 6	To review & finalize the syllabi for departmental Core Course(s) (DC) of B. Tech VI Semester (for batch admitted in 2023-24) under the flexible curriculum along with COs.
Item 7	To propose the list of courses from SWAYAM/NPTEL/MOOC Platforms to be offered for batch admitted in 2023-24 in online mode under Departmental Elective (DE) Course with credit transfer, in the VI Semester .
Item 8	To review and finalize the courses & syllabi to be offered (for batch admitted in 2023-24) under the Open Category (OC) Courses to be offered in traditional mode for B Tech VI semester of other departments along with their COs.
Item 9	To review and finalize the Experiment list/ Lab manual/Skill based mini-project for all the Laboratory Courses to be offered in B.Tech.VI semester (for batch admitted in 2023-24).
Item 10	To review the PO attainment, CO-PO mapping matrix and action to be taken to improve PO attainment level.
Item 11	To review curricula feedback from various stakeholders, its analysis and impact
Item 12	Any other matter.