

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

TABLE AGENDA FOR THE 44TH MEETING OF THE SENATE TO BE HELD ON 08TH APRIL 2022 (FRIDAY) AT 4.00 PM

<p>Table Agenda No. 44-5.1</p>	<p>:</p>	<p>To consider the proposed curricular structure of B. Arch. programme</p> <p>The curricular structure of the B.Arch. Programme incorporating various provisions of revised UG curricular structure, NEP 2020 and the Council of Architecture (Minimum Standards of Architectural Education) Regulations, 2020 is placed at Annexure-J (pg. 01 to 02).</p> <p>The matter is placed for perusal and consideration of the Senate.</p>																											
<p>Table Agenda No. 44-5.2</p>	<p>:</p>	<p>To consider the proposed change in student intake for M.Tech. programmes offered by the Department of Mechanical Engineering</p> <p>Request is received from DFB/DPGC to decrease the student intake in respective M.Tech programmes from DFB/DPGC of Department of Mechanical Engineering in view of the requirement of notifying seat matrix to CCMT. Request from department of Mechanical Engineering is placed at Annexure-K (pg. 03).</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">S No</th> <th rowspan="2">Name of Programme</th> <th rowspan="2">Department</th> <th colspan="2">Student Intake</th> </tr> <tr> <th>Current</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>M. Tech. (Design Engineering)</td> <td>Mechanical Engineering</td> <td>22</td> <td>20</td> </tr> <tr> <td>2.</td> <td>M.Tech (Industrial Engineering)</td> <td>Mechanical Engineering</td> <td>25</td> <td>20</td> </tr> <tr> <td>3.</td> <td>M.Tech (Production Engineering)</td> <td>Mechanical Engineering</td> <td>22</td> <td>20</td> </tr> <tr> <td>4.</td> <td>M.Tech (Thermal Engineering)</td> <td>Mechanical Engineering</td> <td>20</td> <td>20</td> </tr> </tbody> </table> <p>The matter is placed for perusal and consideration of the Senate.</p>	S No	Name of Programme	Department	Student Intake		Current	Proposed	1.	M. Tech. (Design Engineering)	Mechanical Engineering	22	20	2.	M.Tech (Industrial Engineering)	Mechanical Engineering	25	20	3.	M.Tech (Production Engineering)	Mechanical Engineering	22	20	4.	M.Tech (Thermal Engineering)	Mechanical Engineering	20	20
S No	Name of Programme	Department				Student Intake																							
			Current	Proposed																									
1.	M. Tech. (Design Engineering)	Mechanical Engineering	22	20																									
2.	M.Tech (Industrial Engineering)	Mechanical Engineering	25	20																									
3.	M.Tech (Production Engineering)	Mechanical Engineering	22	20																									
4.	M.Tech (Thermal Engineering)	Mechanical Engineering	20	20																									

Department of Architecture and Planning

B.ARCH CURRICULUM

(For presentation to Senate to be held on 8th April 2022)

UNDERGRADUATE DEGREE REQUIREMENTS

Council of Architecture Requirements:

The Council of Architecture (CoA) prescribes the Minimum Standards of Architectural Education for imparting 5-year undergraduate degree course in Architecture (i.e. Bachelor of Architecture) and also monitors the compliance of the same by approved Architectural Institutions all over the country for award of recognized qualifications under the provisions of the Architects Act, 1972. The standards of Education being imparted in these institutions including IITs and NITs is governed by Council of Architecture (Minimum Standards of Architectural Education) Regulations, 1983, which sets forth the requirement of eligibility for admission, course duration, standards of staff & accommodation, course content, examination etc. The Council is empowered to make recommendations to the Government of India with regard to recognition and de-recognition of a qualification pertaining to Architecture and subsequent registration of Architects.

The Department of Architecture and Planning endeavors to ensure that the curriculum at MNIT Jaipur fulfils the requirements/guidelines set by the CoA and at the same time remains to the maximum possible extent within the overall framework of the Institute.

The CoA prescribes 5 categories with weightings (and subject lists included in each category) as below:

- Professional Core- 50%
- Building Science & Applied Engineering (BS & AE)- 20%
- Professional Electives- 10%
- Open Electives – 5%
- Professional Ability Enhancement compulsory courses- 10%
- Skill Enhancement Courses- 5%

Table 1: Comparison of Credit Requirements as a % between CoA Guidelines and the B.Arch curriculum:

Reference	Professional Core	Building Science & Applied Engineering	Professional Electives	Open Elective	Professional Ability Enhancement (Compulsory)	Skill Enhancement Courses
CoA recommendations	50	20	10	5	10	5
MNIT (Existing)	52	23	10	0	10	5
MNIT (Proposed)	51	24	11	2	10	2

The CoA further requires that the undergraduate program must be of a 5 year duration including one semester of Practical Training in an architects' office, in VIII/IX semester, prior to registering for Thesis.

Credits & Contact Hours

	B. Arch. only		B. Arch (honours)		B. Arch (minorspl)	
	Credits	Hours	Credits	Hours	Credits	Hours
Semester 1	23	28	23	28	23	28
Semester 2	25	30	25	30	25	30
Semester 3	24	29	24	29	24	29
Semester 4	24	29	24	29	24	29
Semester 5	24	27	24	27	24	27
Semester 6	25	28	25	28	25	28
Semester 7	25	29	25+3/6	32	25+3/6	32
Semester 8	12	0	12+3/6	3-6	12+3/6	3-6
Semester 9	26	27	26+3	30	26+3	30
Semester 10	19	20	19+3/6	23/26	19+3/6	23/26

Exit policy

Sr. No.	Degree/Certificate	Exit Point
1.	Diploma in Building Technology/Architecture	Completion of IV Semester
2.	B.Sc. in Architectural Sciences	Completion of VI Semester
3.	B.Arch	Completion of X Semester
4.	B.Arch with Honors	Completion of X Semester with 18 extra credits
5.	B.Arch with Minor Specialization	Completion of X Semester with 18 extra credits in any other discipline

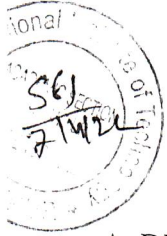
Credit break-up as per MNIT Norms:

COURSE	CODE	CREDITS	HOURS
INSTITUTE CORE	IC	2	2
PROGRAMME CORE	PC	81	108
ARCHITECTURAL DESIGN	AD	69	69
ARCHITECTURAL THESIS	AT	16	16
PROGRAMME LINKED	PL	17	21
PROGRAMME ELECTIVE	PE	24	24
OPEN ELECTIVE	OE	5	6
PRACTICAL TRAINING	PT	12	
		227	247

3x2 Aug

Malaviya National Institute of Technology Jaipur

Mechanical Engineering Department



Dated: 06-04-2022

Minutes of the Meeting

A DFB meeting of the Mechanical Engineering Department held on 06-04-22 at 11.30 AM in the Mechanical engineering Seminar room. Prof. and Head, M.L. Mittal, Prof. Rakesh Jain, Prof. Dilip Sharma, Prof G.D. Agarwal Prof. Nirupam Rohtagi, Dr. M.L. Meena, Dr. Har lal Mali, Dr. Jinesh Kumar Jain, Dr. Rajeev Agrawal, Dr. Dinesh Kumar, Dr. Mukesh Kumar, Dr. Anup Malik, Dr. Tapas Bajpai, Dr. Pankaj Kumar Gupta, Dr. Ram Dayal, Dr. Manish Kumar, Dr. Amit Arora, Dr. Naresh Kumar, Dr. Gulab Pannani, Dr. Nikhil Sharma, Dr. Manjinder Singh attended the meeting.

Prof. A. P. S. Rathore, Prof. G.S. Dangayach, Prof. J Mathur, Prof. H. Chaudhary, Prof T. C. Gupta, Mr Amit Pancharya, Dr. Amar Patnaik, Dr Monica Sharma, Dr. Gunjan Soni, Dr. Amit Singh, Dr Anoj Meena, Dr Pankaj Kumar Gupta and Naresh Kumar Raghwanishi could not attend the meeting.

Agenda: Students intake in M. Tech Programs:

DFB deliberated the student's sanctioned intake/admissions and placement scenario for last three academic years. As shown in table below the number of admitted students in all the PG programs are less than the sanctioned intake. The placement scenario is also not very encouraging. These parameters may reflect negatively on the ensuing accreditation and ranking statistics.

S. No.	Program	Sanctioned Intake	Admission year					
			2021-22		2020-21		2019-20	
			Admitted	Placed	Admitted	Placed	Admitted	Placed
1	Design Engineering	22	20	NA	21	9	22	2
2	Industrial Engineering	25	16	NA	23	11	22	1
3	Production Engineering	22	13	NA	21	8	22	1
4	Thermal Engineering	20	19	NA	19	4	19	3

The DFB thus recommends reduction in sanctioned intake in all the M. Tech programs offered by Mechanical Engineering Department to 20.

Bal
06/04/2022
Dr Rajeev Agrawal
DFB Secretary

Mittal
Prof. M. L. Mittal
Chairman DFB

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06/04/22
Copy to:

1. Director for kind information
2. Dean (Academics) with a request to include the agenda in ensuing senate meeting
3. DFB meeting file
4. All the faculty