

Institute of Engineering & Technology

Master of Engineering (Fulltime)

ME – Industrial Engineering and Management

Duration and seats: 2 Yrs. (Full Time) – 18 seats

Eligibility: A candidate seeking admission to the program should have passed with 60% (or Equivalent) in BE/B.Tech. (or Equivalent) in an allied branch of engineering from recognized Institute/ University and Valid GATE Score in the relevant/allied branch of Engineering / Technology.

AGE LIMIT: As per the directives of Government of Madhya Pradesh, there is no upper age limit for admission in the programme.

Fees Structure:

Semester	Academic Fee	Development & Maintenance Fee	Students' Services Fee		Examination Fee	Total (Rs.)	
			Boys	Girls		Boys	Girls
First	15000	31000	3300	3111	2500	51800	51611
Second	15000	-	2911	2722	2500	20411	20222
Third	15000	31000	3300	3111	2500	51800	51611
Fourth	15000	-	2911	2722	2500	20411	20222

- Caution money (Refundable) of Rs. 4000/- will be charged additionally in the first semester.
- Alumni Fee of Rs. 500/- will be charged extra in the first semester.
- If a student repeats a paper(s) in a semester, an additional fee of Rs.500/- per paper shall be payable.
- For NRI/ FN/ PIO Candidates, a fee of US\$ 3500 Per Annum shall be payable on yearly basis. They will have to pay a refundable deposit of US\$ 500 once at the time of admission.
- Hostel Fee and Central Library Fee will be extra.

OBJECTIVES:

The Industrial and Management Engineering focuses on the engineering and management of production and service systems, which include discrete manufacturing, process industry, banking and investment, and the public sector. Industrial engineers design, operate, and manage these systems for the purpose of improving efficiency, quality, productivity, and safety at minimum cost, while protecting people, property, and the environment.

OUTCOMES:

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Due to their unique educational background, which consists of both engineering and management sciences, industrial engineers have the capability to make significant contributions to different organizations by performing a wide range of activities and tasks. IEM is considered as the most people-oriented discipline among various engineering disciplines. With strong background in operational analysis, Industrial engineers have the ability to manage complex projects and systems. The IEM program focuses on such areas as quality engineering and management, economical engineering decision support system, productivity and supply chain management, and ergonomics and safety.

Curriculum & Syllabus

S. No.	Category	No. of Credits			
		SEM I	SEM II	SEM III	SEM IV
1.	Course Compulsory	15	15	-	-
2.	Generic Elective	4	4	-	-
3.	Programme Elective	5	5	-	-
4.	Skill development	2	2	-	-
5.	Seminar/ Workshop	2	2	-	-
6.	Dissertation Phase	-	-	12	12
Actual Credits per Semester		28	28	12	12
Total actual Programme Credits					80
7.	Virtual Credited Comprehensive Viva	4	4	4	4
Total Credits per Semester		32	32	16	16
Total Programme Credits					96

SEM I				
S.NO	Sub Code	Sub Name	Number of Credit	Sub Type
1.	IMR1C1	Productivity & Technology Management	3-1-1	PC1
2.	IMR1C2	Quantitative Techniques for Management	3-1-1	PC2
3.	IMR1C3	Production & Operations Management	3-1-1	PC3
4.	IMR1Gx	Generic Elective I	3-1-0	GE1
5.	IMR1Ex	Elective I	3-1-1	PE1

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6.	ASR1S1	Soft Skills -1	2-0-0	
7.	IMR1W1	Seminar/ Res. Tool/Work Shop-1	0-2-0	
8.	IMR1V1	Comprehensive Viva I	0-0-4	
Total Credit for SEM I			28 actual + 4 Virtual credits	
List of Generic Elective I			L-T-P	
1.	IMR1G1	Principles & Practices of Management	3-1-0	
2.	IMR1G2	Human Resource management	3-1-0	
3.	IMR1G3	e –Business & Commerce	3-1-0	
List of Elective I			L-T-P	
1.	IMR1E1	Statistical Quality Control and Total Quality Management	3-1-1	
2.	IMR1E2	Strategic Management	3-1-1	
3.	IMR1E3	Business Process Reengineering	3-1-1	
SEM II				
1.	IMR2C1	Financial Management	3-1-1	PC4
2.	IMR2C2	Materials Management	3-1-1	PC5
3.	IMR2C3	Supply Chain Management	3-1-1	PC6
4.	IMR2Gx	Generic Elective II	3-1-0	GE2
5.	IMR2Ex	Elective II	3-1-1	PE2
6.	ASR2S2	Soft Skills -2	2-0-0	
7.	IMR2W2	Seminar/ Res. Tool/Work Shop-2	0-2-0	
8.	IMR2V2	Comprehensive Viva II	0-0-4	
Total Credit for SEM II			28 actual + 4 Virtual credits	
List of Generic Elective II			L-T-P	
1.	IMR2G1	Project Management	3-1-0	
2.	IMR2G2	Enterprise Resource Planning	3-1-0	
List of Elective II			L-T-P	
1.	IMR2E1	Marketing Management	3-1-1	
2.	IMR2E2	Product Design and Manufacturing	3-1-1	
3.	IMR2E3	Customer Relationship Management	3-1-1	
4.	IMR2E4	Industrial Marketing	3-1-1	
SEM III				
1.	IMR3D1	Dissertation Phase I	0-0-12	
2.	IMR3V3	Comprehensive Viva III	0-0-4	
Total Credit for SEM III			12 actual + 4 Virtual credits	
SEM IV				
1.	IMR4D2	Dissertation Phase II	0-0-12	
2.	IMR4V4	Comprehensive Viva IV	0-0-4	
Total Credit for SEM IV			12 actual + 4 Virtual credits	
Total Credit			80 actual + 16 Virtual credits	