

**Institute of Engineering & Technology**

**Master of Engineering (Part Time)**

**ME – Industrial Engineering and Management**

**Duration and seats:** 3 Yrs. (Part Time) – 10 seats

**Eligibility:** A candidate seeking admission to the program should have passed with 55% (or Equivalent) in BE/BTech (or Equivalent) in an allied branch of engineering from recognized Institute/ University & must have Two Years Post Qualification Experience in the relevant field.

**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	11000	17000	3300	3111	2500	33800	33611
Second	11000	-	2911	2722	2500	16411	16222
Third	11000	17000	3300	3111	2500	33800	33611
Fourth	11000	-	2911	2722	2500	16411	16222
Fifth	11000	17000	3300	3111	2500	33800	33611
Sixth	11000	-	2911	2722	2500	16411	16222

- 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

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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:

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	SEM V	SEM VI
1.	Course Compulsory	10	5	10	5		
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
<b>Actual Credits per semester</b>		<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>12</b>	<b>12</b>
<b>Total actual Programme Credits per semester</b>							<b>80</b>
7.	Virtual Credited Comprehensive	2	2	2	2	4	4

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	Viva						
<b>Total Credits per semester</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>
<b>Total Programme Credits per semester</b>							<b>96</b>
<b>SEM I</b>							
<b>S.NO</b>	<b>Sub Code</b>	<b>Sub Name</b>	<b>Number of Credit L-T-P</b>	<b>Sub Type</b>			
1.	IMP1C1	Productivity & Technology Management	3-1-1	PC1			
2.	IMP1C2	Quantitative Techniques for Management	3-1-1	PC2			
3.	IMP1Gx	Generic Elective I	3-1-0	GE1			
4.	IMP1V1	Comprehensive Viva I	0-0-2				
<b>Total Credit for SEM I</b>			<b>14 actual + 2 Virtual credits</b>				
<b>SEM II</b>							
1.	IMP2C3	Production & Operations Management	3-1-1	PC3			
2.	IMP2Ex	Elective I	3-1-1	PE1			
3.	IMP2W1	Seminar/ Res. Tool/Work Shop-1	0-2-0				
4.	ASP2S1	Soft Skills -1	2-0-0				
5.	IMP2V2	Comprehensive Viva II	0-0-2				
<b>Total Credit for SEM II</b>			<b>14 actual + 2 Virtual credits</b>				
<b>List of Generic Elective I</b>							
1.	IMP1G1	Principles & Practices of Management	3-1-0				
2.	IMP1G2	Human Resource management	3-1-0				
3.	IMP1G3	e –Business & Commerce	3-1-0				
<b>List of Elective I</b>							
1.	IMP2E1	Statistical Quality Control and Total Quality Management	3-1-1				
2.	IMP2E2	Strategic Management	3-1-1				
3.	IMP2E3	Business Process Reengineering	3-1-1				
<b>SEM III</b>							
1.	IMP3C1	Financial Management	3-1-1	PC4			
2.	IMP3C2	Materials Management	3-1-1	PC5			
3.	IMP3Gx	Generic Elective II	3-1-0	GE2			
4.	IMP3V3	Comprehensive Viva III	0-0-2				
<b>Total Credit for SEM III</b>			<b>14 actual + 2 Virtual credits</b>				
<b>SEM IVL-T-P</b>							
1.	IMP4C3	Supply Chain Management	3-1-1	PC6			
2.	IMP4Ex	Elective II	3-1-1	PE2			
3.	IMP4W2	Seminar/ Res. Tool/Work Shop-2	0-2-0				
4.	ASP4S2	Soft Skills -2	2-0-0				
5.	IMP4V4	Comprehensive Viva IV	0-0-2				
<b>Total Credit for SEM IV</b>			<b>14 actual + 2 Virtual credits</b>				
<b>List of Generic Elective II</b>							
1.	IMP3G1	Project Management	3-1-0				
2.	IMP3G2	Enterprise Resource Planning	3-1-0				
<b>List of Elective II</b>							
1.	IMP4E1	Marketing Management	3-1-1				
2.	IMP4E2	Product Design And Manufacturing	3-1-1				

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3.	IMP4E3	Customer Relationship Management	3-1-1	
4.	IMP4E4	Industrial Marketing	3-1-1	

<b>SEM V L-T-P</b>				
1.	IMP5D1	Dissertation Phase I	0-0-12	
2.	IMP5V5	Comprehensive Viva V	0-0-4	
<b>Total Credit for SEM V</b>			<b>12 actual + 4 Virtual credits</b>	
<b>SEM VI</b>			<b>L-T-P</b>	
1.	IMP6D2	Dissertation Phase II	0-0-12	
2.	IMP6V6	Comprehensive Viva IV	0-0-4	
<b>Total Credit for SEM VI</b>			<b>12 actual + 4 Virtual credits</b>	
<b>Total Credit</b>			<b>80 actual + 16 Virtual credits</b>	