

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELGAUM
SCHEME OF TEACHING AND EXAMINATION FOR
BE.-Industrial Engineering and Management (IM)**

VSemester

CREDITBASED

Subject Code	Name of the Subject	Teaching hours/week		Duration of Exam in Hours	Marks for		Total Marks	CREDITS
		Lecture	Practical / Field Work / Assignment/ Tutorials		I.A.	Exam		
15AL51	Management & Entrepreneurship	4	2	3	20	80	100	4
15IM52	Work study and Ergonomics	4	2	3	20	80	100	4
15IM53	Design of Machine Elements	4	2	3	20	80	100	4
15IM54	Statistics for Engineers	4	2	3	20	80	100	4
15IM55*	Professional Elective	4	2	3	20	80	100	4
15IM56*	Open Elective	4	2	3	20	80	100	3
15IIML57	Mechanical Lab	--	3	3	20	80	100	2
15IIML58	Work study and Ergonomics lab	--	3	3	20	80	100	2
Total		24	18	24	160	640	800	27

Professional Elective	
Sub. Code	Name of the Subject
15IM551	Engineering Economy
15IM552	Theory of metal forming
15IM553	Finite element method
15IM554	Hydraulics and pneumatics

Open Elective	
Sub. Code	Name of the Subject
15IM561	Professional communication and report writing
15IM562	Concurrent engineering
15IM563	Technology management
15IM564	Human resource management

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		Lecture	Practical / Field Work / Assignment/ Tutorials		I.A.	Exam		
15IM61	Quality assurance and reliability	4	2	3	20	80	100	4
15IM62	Operations research	4	2	3	20	80	100	4
15IM63	Simulation modeling and analysis	4	2	3	20	80	100	4
15IM64	Materials management	4	2	3	20	80	100	4
15IM65*	Professional Elective	4	2	3	20	80	100	4
15IM66*	Open Elective	4	2	3	20	80	100	3
15IML67	CAD/CAM Lab	--	3	3	20	80	100	2
15IML68	Simulation lab	--	3	3	20	80	100	2
Total		24	18	24	160	640	800	27

Professional Elective	
Sub. Code	Name of the Subject
15IM651	Financial management
15IM652	Industrial automation
15IM653	Software engineering and management
15IM654	Composite materials

Open Elective	
Sub. Code	Name of the Subject
15IM661	Management information system
15IM662	Advanced machining processes
15IM663	Value engineering
15IM664	Development of enterprises

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VII Semester

CREDITBASED

Subject Code	Name of the Subject	Teaching hours/week		Duration of Exam in Hours	Marks for		Total Marks	CREDITS
		Lecture	Practical / Field Work / Assignment/ Tutorials		I.A.	Exam		
15IM71	Facility planning and design	4	2	3	20	80	100	4
15IM72	Operations management	4	2	3	20	80	100	4
15IM73	Project management	4	2	3	20	80	100	4
15IM74*	Professional Elective	4	2	3	20	80	100	4
15IM75*	Open Elective	4	2	3	20	80	100	3
15IML76	Enterprise resource planning Lab	--	3	3	20	80	100	2
15IML77	Quality engineering lab	--	3	3	20	80	100	2
Total		20	16	21	140	560	700	23

Professional Elective	
Sub. Code	Name of the Subject
15IM741	Marketing management
15IM742	Enterprise resource planning
15IM743	Strategic management
15IM744	Maintenance and safety engineering

Open Elective	
Sub. Code	Name of the Subject
15IM751	Financial Management
15IM752	Organizational behavior
15IM753	Product design and manufacturing
15IM754	World class manufacturing

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VIIISemester

CREDITBASED

Subject Code	Name of the Subject	Teaching hours/week		Duration of Exam in Hours	Marks for		Total Marks	CREDITS
		Lecture	Practical / Field Work / Assignment/ Tutorials		I.A.	Exam		
15IM81	Total quality management	4	2	3	20	80	100	4
15IM82	Supply chain management	4	2	3	20	80	100	4
15IM83*	Professional Elective	4	2	3	20	80	100	4
15IM84	Project work	-	-	3	20	80	100	4
15IM85	Seminar	-	3	3	20	80	100	4
Total		12	09	15	120	400	500	20

Professional Elective	
Sub. Code	Name of the Subject
15IM831	Lean manufacturing
15IM832	Just in time
15IM833	Automation in manufacturing
15IM834	Design of experiments