

JABALPUR ENGINEERING COLLEGE, JABALPUR (MP)
(An Autonomous Institute of Govt. of M.P.)
Affiliated to Rajiv Gandhi Technological University, Bhopal (MP)
Scheme of Study and Examination (w.e.f. July 2010)

B.E. Fourth Year

Branch: **Civil Engineering**SEM: **Eighth**

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
CE-37	Transportation Engineering-II	3	1	-	10	20	30	70	100	4
CE-50	Structural Design – IV (Steel)	3	1	-	10	20	30	70	100	4
CE-62	Water Resource Engineering-II	3	1	-	10	20	30	70	100	4
Refer Table	Elective – II	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
CE-51L	Structural Design-IV Lab (Steel)	-	-	2	20	-	20	30	50	2
CE-63L	Water Resource Engineering Lab - II	-	-	2	20	-	20	30	50	2
CE-65L	Structural Analysis Lab -II	-	-	2	20	-	20	30	50	2
CE-66L	Major Project	-	-	08	80	-	80	120	200	8
CE-67L	Seminar / Group Discussion			2	50	-	50	-	50	2
	Total	12	4	16	230	80	310	490	800	32

T.A. = Teachers Assessment, CT= Class Test, ESE= End Semester Examination

Total Marks= 800, Total Periods= 32, Total Credits= 32

Elective-II					
CE-064A ✓	1. Pre stressed Concrete	CE-064B	2. Pavement Design	CE-064C	3. Air Quality Monitoring & Control

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B.E. Fourth Year Branch: Computer Science & Engg. SEM: Eighth

Course Code	Subject	Periods			EVALUATION SCHEME						Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL		
					TA	CT	TOTAL				
CS-37	Distributed System & Cloud Computing	3	1	-	10	20	30	70	100	4	
CS-39	Soft Computing	3	1	-	10	20	30	70	100	4	
CS-41	Network & Cyber Security	3	1	-	10	20	30	70	100	4	
Refer Table	Elective-II	3	1	-	10	20	30	70	100	4	
(PRACTICAL/DRAWING/DESIGN)											
CS-38L	Distributed System & Cloud Computing Lab	-	-	2	20	-	20	30	50	2	
CS-40L	Soft Computing Lab	-	-	2	20	-	20	30	50	2	
CS-50L	Network & Cyber Security Lab	-	-	2	20	-	20	30	50	2	
CS-52L	Major Project	-	-	08	80	-	80	120	200	8	
CS-53L	Seminar / Group Discussion			2	50	-	50	-	50	2	
	Total	12	4	16	230	80	310	490	800	32	

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Elective-II					
CS-051A	1.Human Computer Interaction	CS-051B	2.Software Project Management	CS-051C	3.Natural Language Processing
				✓	

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B.E. Fourth Year **Branch: Electrical Engineering** **SEM: Eighth**

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
EE-46	EHV AC & DC Transmission	3	1	-	10	20	30	70	100	4
EE-47	Power System Protection	3	1	-	10	20	30	70	100	4
EE-50	Process Control	3	1	-	10	20	30	70	100	4
Refer Table	Elective - II	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
EE- 48L	Power System Protection Lab	-	-	2	20	-	20	30	50	2
EE-65L	Power System Simulation Lab	-	-	2	20	-	20	30	50	2
EE-67L	Adv. Electrical Drive Lab	-	-	2	20	-	20	30	50	2
EE-66L	Major Project	-	-	08	80	-	80	120	200	8
EE-68L	Seminar/Group Discussion			2	50	-	50	-	50	2
	Total	12	4	16	230	80	310	490	800	32

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Elective-II					
EE-052A	1. Power System Control	EE-052B	2 Advance Digital Communication	EE-052C	3. Digital Image Processing
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B.E. Fourth Year Branch: Electronics & Telecommunication Engg. SEM: Eighth

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
EC -38	Advance VLSI Design	3	1	-	10	20	30	70	100	4
EC - 51	Advance Communication System	3	1	-	10	20	30	70	100	4
EC -66	Nano Electronics	3	1	-	10	20	30	70	100	4
Refer Table	Elective -II	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
EC -39L	Advance VLSI Design Lab	-	-	2	20	-	20	30	50	2
EC -52L	Advance Communication System Lab	-	-	2	20	-	20	30	50	2
EC - 67L	Nano Electronics Lab	-	-	2	20	-	20	30	50	2
EC-69L	Major Project	-	-	08	80	-	80	120	200	8
EC-70L	Seminar /Group Discussion			2	50	-	50	-	50	2
	Total	12	4	16	230	80	310	490	800	32

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Elective-II					
EC-068A	1. Satellite Communication	EC-068B	2. Embedded System	EC-068C	3. Principles of Management & Managerial Economics
✓				✓	

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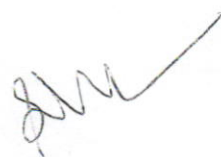
Branch: Industrial & Production

SEM: Eighth

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
IP-41	Management & Entrepreneurship Concept	3	1	-	10	20	30	70	100	4
IP-42	Computer Aided Design	3	1	-	10	20	30	70	100	4
IP-52	Computer Integrated Manufacturing	3	1	-	10	20	30	70	100	4
Refer Table	Elective - II	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
IP- 43L	Computer Aided Design Lab	-	-	2	20	-	20	30	50	2
IP-53L	CIM Lab	-	-	2	20	-	20	30	50	2
IP-55L	MIS Lab	-	-	2	20	-	20	30	50	2
IP-56L	Major Project	-	-	8	80	-	80	120	200	8
IP-57L	Seminar/Group Discussion			2	50	-	50	-	50	2
	Total	12	4	16	230	80	310	490	800	32

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Elective-II					
IP-054A ✓	1. Management Information System	IP-054B	2. Simulation & Modeling	ME-35	3. Power Plant Engineering



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B.E. Fourth Year

Branch: **Information Technology**SEM: **Eighth**

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
IT-32	Information Security	3	1	-	10	20	30	70	100	4
IT-34	Data Mining & Warehousing	3	1	-	10	20	30	70	100	4
IT-36	Network Management	3	1	-	10	20	30	70	100	4
Refer Table	Elective-II	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
IT-33L	Information Security Lab	-	-	2	20	-	20	30	50	2
IT-35L	Data Mining & Warehousing	-	-	2	20	-	20	30	50	2
IT-37L	Network Management Lab	-	-	2	20	-	20	30	50	2
IT-46L	Major Project	-	-	08	80	-	80	120	200	8
IT-47L	Seminar / Group Discussion			2	50	-	50	-	50	2
	Total	12	4	16	230	80	310	490	800	32

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Elective-II					
IT-045A	1. Sensor Network	IT-045B	2. Digital Signal & Image Processing	CS-051B	3. Software Project Management
				IT-045C	

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B.E. Fourth Year

Branch: Mechanical Engineering

SEM: Eighth

Course Code	Subject	Periods			EVALUATION SCHEME					Credits
		L	T	P	SESSIONAL EXAM			ESE	SUB TOTAL	
					TA	CT	TOTAL			
ME-67	Machine Design	3	1	-	10	20	30	70	100	4
ME-69	Refrigeration & Air Conditioning	3	1	-	10	20	30	70	100	4
ME-71	CAD CAM CIM	3	1	-	10	20	30	70	100	4
Refer Table	Elective - II	3	1	-	10	20	30	70	100	4
(PRACTICAL/DRAWING/DESIGN)										
ME- 68L	Machine Design Lab	-	-	2	20	-	20	30	50	2
ME-70L	Refrigeration & Air Conditioning Lab	-	-	2	20	-	20	30	50	2
ME-72L	CAD CAM CIM Lab	-	-	2	20	-	20	30	50	2
ME-74L	Major Project	-	-	08	80	-	80	120	200	8
ME-75L	Seminar / Group Discussion			2	50	-	50	-	50	2
	Total	12	4	16	230	80	310	490	800	32

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Elective-II					
ME-073A ✓	1. Energy Conservation & Audit	ME-073B	2. Tools Design & Machine Tools	ME-073C	3. Reliability & Maintenances

