

1.0 COURSE STRUCTURE

1.1 Semester wise details of Course structure:

Semester wise Details of Course Structure (2008-09) (Contd.)

Semester	Course Title	Nature of Subject Compulsory (C)/ Elective (E)	No. of Students enrolled	Dept. Offering the subject	Weekly Load (hours)			Credits	Students Feed Back obtained (Yes/No)
					L*	T*	P*		
I Sem (Physics Group) BE (Mech)	Engineering Mathematics-I		526	Maths	4	0	0	4	
	Engineering Physics		260	Physics	4	0	0	4	
	Engineering Mechanics		526	CV	4	0	0	4	
	Elements of Mechanical Engg.		526	✓	4	0	0	4	Yes
	Basic Electrical Engg.		526	E & E	4	0	0	4	
	Workshop Practice		260	✓	0	0	3	1.5	
	Engg. Physics Lab		260	Physics	0	0	3	1.5	
	* Constitution of India & Professional Ethics		526	HS &M	2	0	0	0	
	* Language (Kan.)		270	HS &M	2	0	0	0	
I Sem (Chemistry Group) BE (Mech)	Engineering Mathematics -I			Maths	4	0	0	4	
	Engineering Chemistry			Chemistry	4	0	0	4	
	Computer Concepts & C Programming			CS&E	4	0	0	4	
	Computer Aided Engineering Drawing			✓	2	4	0	4	
	Electronics Fundamentals			EC	4	0	0	4	
	Computer Programming Lab			CS&E	0	0	3	1.5	
	Engg. Chemistry Lab		260	chemistry	0	0	3	1.5	
	* Environmental Studies			EV	2	0	0	0	
	* Language (English.)			HS &M	2	0	0	0	

* = Lecture, T* = Tutorial/Seminar, P* =Practical/Project

✓ **Indicates subjects taught by Mechanical Engg., Dept**

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		Compulsory (C)/ Elective (E)			L*	T*	P*		
II Sem (Physics Group) BE (Mech)		Engineering Mathematics-I	526	Maths	4	0	0	4	
		Engineering Physics	260	Physics	4	0	0	4	
		Engineering Mechanics	526	CV	4	0	0	4	
		Elements of Mechanical Engg.	526	✓	4	0	0	4	Yes
		Basic Electrical Engg.	526	E & E	4	0	0	4	
		Workshop Practice	260	✓	0	0	3	1.5	
		Engg. Physics Lab	260	Physics	0	0	3	1.5	
		* Constitution of India & Professional Ethics	526	HS &M	2	0	0	0	
		*Language (Kannada.)	270	HS &M	2	0	0	0	
II Sem (Chemistry Group) BE (Mech)		Engineering Mathematics-I		Maths	4	0	0	4	
		Engineering Chemistry		Chemistry	4	0	0	4	
		Computer Concepts & C Programming		CS&E	4	0	0	4	
		Computer Aided Engineering Drawing		✓	2	4	0	4	
		Electronics Fundamentals		EC	4	0	0	4	
		Computer Programming Lab		CS&E	0	0	3	1.5	
		Engg. Chemistry Lab	260	Chemistry	0	0	3	1.5	
		* Environmental Studies		EV	2	0	0	0	
		Language (English.)		HS &M	2	0	0	0	

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		Compulsory (C)/ Elective (E)			L*	T*	P*		
III Sem	BE (Mech)	Mathematic –III	108	Maths	4	0	0	4	
		Material Science & Metallurgy	108	✓	4	0	0	4	Yes
		Mechanics of Materials	108	✓	4	0	0	4	Yes
		Manufacturing Process- I	108	✓	4	0	0	4	Yes
		Basic Thermodynamics	108	✓	4	0	0	4	Yes
		Computer Aided Machine Drawing	108	✓	0	0	6	3	Yes
		Metallographic & Material Testing Laboratory	108	CV	0	0	3	1.5	
		Foundry & Forging Laboratory	108	✓	0	0	3	1.5	
IV Sem	BE (Mech)	Mathematics-IV	108	Maths	4	0	0	4	
		Applied Thermodynamics	108	✓	4	0	0	4	Yes
		Mechanical Measurements & Metrology	108	✓	4	0	0	4	Yes
		Theory of Machines -I	108	✓	4	0	0	4	Yes
		Fluid Mechanics	108	✓	4	0	0	4	Yes
		Manufacturing Process –II	108	✓	3	0	0	3	Yes
		Metrology & Measurements Laboratory	108	IP	0	0	3	1.5	
		Fluid Machinery Laboratory	108	✓	0	0	3	1.5	

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					L*	T*	P*		
V Sem	BE (Mech)	Theory of Machine –II		✓	4	0	0	4	Yes
		Design of Machines Elements – I		✓	4	0	0	4	Yes
		Turbomachines		✓	4	0	0	4	Yes
		Manufacturing Process- III		✓	4	0	0	4	Yes
		Estimation & Costing		✓	3	0	0	3	Yes
		Mechatronics & Microprocessor		✓	4	0	0	4	Yes
		Machine shop		✓	0	0	3	1.5	
Energy Conversion Laboratory		✓	0	0	3	1.5			
VI Sem	BE (Mech)	Design of Machine Elements – II		✓	4	0	0	4	Yes
		Mechanical Vibrations		✓	4	0	0	4	Yes
		Heat & Mass Transfer		✓	4	0	0	4	Yes
		Entrepreneurship & Management		✓	3	0	0	3	Yes
		CAD / CAM		✓	4	0	0	4	Yes
		Elective –I		✓	4	0	0	4	Yes
		CAD / CAM Laboratory		✓	0	0	3	1.5	
Heat & Mass Transfer Laboratory		✓	0	0	3	1.5			

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					L*	T*	P*		
VII Sem	BE (Mech)	Automatic Control Engineering		✓	4	0	0	4	Yes
		Hydraulics & Pneumatics		✓	3	0	0	3	Yes
		Finite Element Methods		✓	4	0	0	4	Yes
		Elective – II		✓	4	0	0	4	Yes
		Elective – III		✓	4	0	0	4	Yes
		Production Management		✓	4	0	0	4	Yes
		Design Lab		✓	0	0	3	1.5	
Automation & Simulation Lab		✓	0	0	3	1.5			
VIII Sem	BE (Mech)	Industrial Robotics		-	3	0	0	3	
		Operation Research		✓	3	0	0	3	
		Elective -IV		✓	3	0	0	3	
		Elective –V		✓	3	0	0	3	
		Project Work		✓	0	0	20	10	Yes
		Industrial Visit and Seminar		✓	0	0	04	02	

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