CURRICULUM

B.E. (Part Time)
(*MECHANICAL ENGINEERING*)

(Choice Based Credit System)

(With effect from 2008-2009)

DEPARTMENT OF MECHANICAL ENGINEERING

Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

(Declared as Deemed-to-be University under Section 3 of the UGC Act, 1956, vide notification No.F.9.9/92U-3 dated 26th May 1993 of the Govt. of India)
Enathur, Kanchipuram- 631561

SRI CHANDRASEKHARENDRA SARASWATHI VISWA MAHAVIDYALAYA

(Declared as Deemed-to-be University under Section 3 of the UGC Act, 1956, vide notification No.F.9.9/92-U-3 dated 26th May 1993 of the Govt. of India)

Enathur, Kanchipuram - 631561

DEPARTMENT OF MECHANICAL ENGINEERING

CURRICULUM

SEMESTER – I

Code	Subject	No. of Hours				Exam Hours	Maximum marks		
		L	T	P/D	C		I	E	TOT.
EBPM1FT061	Mathematics –I	3	1	0	4	3	40	60	100
EBPM1DT062	Engineering Thermodynamics	3	1	0	4	3	40	60	100
EBPM1DT063	Engineering Mechanics (Statics and Dynamics)	3	1	0	4	3	40	60	100
EBPM1DT064	Manufacturing Technology – I	3	0	0	4	3	40	60	100
EBPM1DT065	Engineering Materials and Metallurgy	3	0	0	4	3	40	60	100
EBPM1JT066	Sanskrit and Indian Culture	2	0	0	1	3	40	60	100
Total					21				600

SEMESTER – II

Code	Subject	No. of Hours				Exam Hours	Maximum marks		
		L	T	P/D	C		I	E	TOT.
EBPM2FT061	Mathematics – II	3	1	0	4	3	40	60	100
EBPM2DT062	Thermal Engineering	3	1	0	4	3	40	60	100
EBPM2DT063	Mechanics of Machines	3	1	0	4	3	40	60	100
EBPM2DT064	Fluid Mechanics and Machines	3	1	0	4	3	40	60	100
EBPM2DT065	Manufacturing Technology – II	3	0	0	4	3	40	60	100
EBPM2JT066	Sanskrit and Indian Culture	2	0	0	1	3	40	60	100
Total					21				600

SEMESTER – III

Code	Subject	No. of Hours				Exam Hours	Maximum marks		
		L	T	P/D	C		I	E	TOT.
EBPM3FT061	Mathematics – III	3	1	0	4	3	40	60	100
EBPM3DT062	Heat Transfer	3	1	0	4	3	40	60	100
EBPM3DT063	Design of Machine Elements	3	1	0	4	3	40	60	100
EBPM3DT064	Fluid Power Systems	3	0	0	4	3	40	60	100
EBPM3BT065	Electronics and Microprocessors	3	0	0	4	3	40	60	100
Total					20				500

SEMESTER – IV

Code	Subject	No. of Hours				Exam Hours	Maximum marks		
		L	T	P/D	C		I	E	TOT.
EBPM4FT061	Mathematics – IV	3	1	0	4	3	40	60	100
EBPM4DT062	Design of Transmission Systems	3	1	0	4	3	40	60	100
EBPM4DT063	Automobile Engineering	3	0	0	3	3	40	60	100
EBPM4DT064	Mechatronics	3	0	0	4	3	40	60	100
EBPM4DT065	Power Plant Engineering	3	0	0	4	3	40	60	100
Total					19				500

SEMESTER – V

Code	Subject	No. of Hours				Exam Hours	Maximum marks		
		L	T	P/D	C		I	E	TOT.
EBPM5DT061	Principles of Industrial Management	3	0	0	3	3	40	60	100
EBPM5DT062	Computer Aided Design	3	0	0	4	3	40	60	100
EBPM5DT063	Total Quality Management and Reliability	3	0	0	4	3	40	60	100
EBPM5DE064 (A to D)	Elective I	3	1	0	4	3	40	60	100
EBPM5DP061	Mechanical Lab-I	0	0	3	4	3	40	60	100
Total					19				500

SEMESTER – VI

Code	Subject	No. of Hours				Exam Hours	Maximum marks		
		L	T	P/D	C		I	E	TOT.
EBPM6DT061	Computer Integrated Manufacturing	3	0	0	4	3	40	60	100
EBPM6DT062	Instrumentation and Control System	3	0	0	4	3	40	60	100
EBPM6DE063 (A to D)	Elective - II	3	1	0	4	3	40	60	100
EBPM6DE064 (E to H)	Elective – III	3	1	0	4	3	40	60	100
EBPM6DP061	Mechanical Lab-II	0	0	3	4	3	40	60	100
Total					20				500

SEMESTER – VII

Code	Subject	L	T	P/D	C	Exam Hours	I	E	TOT.
		No. of Hours					Maximum marks		
EBPM7DT061	Environmental Science and Engineering	3	0	0	3	3	40	60	100
EBPM7DT062	Production Planning and Control	3	0	0	4	3	40	60	100
EBPM7DE063 (A to D)	Elective – IV	3	1	0	4	3	40	60	100
EBPM7DP061	Project Work	0	0	6	15	3	40	60	100
Total					26				500

L   : Lecture periods   I   : Internal Assessment

T   : Tutorial periods   E   : External Assessment

P/D   : Practical periods;   Tot. : Total Marks

C   : Credits

SRI CHANDRASEKHARENDRA SARASWATHI VISWA MAHAVIDYALAYA

(Declared as Deemed-to-be University under Section 3 of the UGC Act, 1956, vide notification No.F.9.9/92-U-3 dated 26th May 1993 of the Govt. of India)
Enathur, Kanchipuram - 631561

DEPARTMENT OF MECHANICAL ENGINEERING

LIST OF ELECTIVES

B.E. MECHANICAL ENGINEERING

SUB. CODE NO.	COURSE TITLE
ELECTIVES FOR V SEMESTER	
EBPM5DE064A	Tribology
EBPM5DE064B	Product Design
EBPM5DE064C	Refrigeration and Air-conditioning
EBPM5DE064D	Vibration and Noise Control
ELECTIVES FOR VI SEMESTER	
EBPM6DE063A	Computational Fluid Dynamics
EBPM6DE063B	Object Oriented Programming Using C++
EBPM6DE063C	Work Study and Cost Estimation
EBPM6DE063D	Internal Combustion Engine
EBPM6DE064E	Gas Dynamics & Jet propulsion
EBPM6DE064F	Renewable Sources Energy &Energy Managements
EBPM6DE064G	Project Management
EBPM6DE064H	Finite Elements Analysis
ELECTIVES FOR VII SEMESTER	
EBPM7DE063A	Electrical Technology
EBPM7DE063B	Robotics
EBPM7DE063C	System Modeling and Simulation
EBPM7DE063D	Design of Jigs and Fixtures