

CURRICULUM

M.E. (Full Time)

(COMPUTER INTEGRATED MANUFACTURING)

(Choice Based Credit System)

(With effect from 2008-2009)



SCSVMV
UNIVERSITY

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

CURRICULUM

Semester: I

Code	Subject	No. of Hours				Exam Hours	Maximum marks		
		L	T	P/D	C		I	E	Tot.
EMCIM1DT051	Applied Materials engineering	3	1	-	3	3	40	60	100
EMCIM1DT052	CNC Machines	3	1	-	3	3	40	60	100
EMCIM1DT053	Computer Aided Design & Manufacturing	3	1	-	3	3	40	60	100
EMCIM1DE054 (A to B)	Elective – I	3	1	-	3	3	40	60	100
EMCIM1DT055	Manufacturing Information Systems	3	1	-	3	3	40	60	100
EMCIM1FT056	Probability & Statistical Methods	3	1	-	3	3	40	60	100
EMCIM1DP051	CIM Laboratory - I	-	-	6	2	3	40	60	100
Total		18	6	6	20		280	420	700

Semester: II

Code	Subject	No. of Hours				Exam Hours	Maximum marks		
		L	T	P/D	C		I	E	Tot.
EMCIM2DT051	CIP & Inventory Systems	3	1	-	3	3	40	60	100
EMCIM2DT052	Robotics & Sensors	3	1	-	3	3	40	60	100
EMCIM2DT053	Metrology & Non Destructive Testing	3	1	-	3	3	40	60	100
EMCIM2DT054	System Modeling & Simulation	3	1	-	3	3	40	60	100
EMCIM2DE055 (C to D)	Elective – II	3	1	-	3	3	40	60	100
EMCIM2DE056 (E to F)	Elective – III	3	1	-	3	3	40	60	100
EMCIM2DP051	CIM Laboratory - II	-	-	6	2	3	40	60	100
Total		18	6	6	20		280	420	700

Semester: III

Code	Subject	No. of Hours				Exam Hours	Maximum marks		
		L	T	P/D	C		I	E	Tot.
EMCIM3DE051 G to I	Elective – IV	3	1	-	3	3	40	60	100
EMCIM3DE052 J to L	Elective – V	3	1	-	3	3	40	60	100
EMCIM3DE053 M to O	Elective – VI	3	1	-	3	3	40	60	100
EMCIM3DP051	Project Work Phase - I	-	-	8	11	3	40	60	100
Total		9	3	8	20		160	240	400

Semester: IV

Code	Subject	Credits	Maximum Marks		
			I	E	Tot.
EMCIM4DP051	Project Work Phase - II	20	40	60	100

L : Lecture periods; **T** : Tutorial periods; **P/D** : Practical / Drawing periods;

C : Credits **I** : Internal assessment; **E** : External assessment;

Tot. : Total marks

LIST OF ELECTIVE SUBJECTS

SEMESTER – I

- EMCIM1DE054A - Design of Hydraulic and Pneumatic Systems
- EMCIM1DE054B - Supply Chain Management

SEMESTER – II

- EMCIM2DE055C - Design of Cellular Manufacturing systems
- EMCIM2DE055D - Metal Forming Technology
- EMCIM2DE056E - Newer Welding and Casting Process
- EMCIM2DE056F - Finite Element Analysis in Manufacturing Engineering

SEMESTER – III

- EMCIM3DE051 G - Reliability and total Productive Maintenance
- EMCIM3DE051 H - Mechatronics in Manufacturing System
- EMCIM3DE051 I - Computer Aided Process Planning
- EMCIM3DE052J - Corrosion and Surface Engineering
- EMCIM3DE052 K - Computer Applications in Manufacturing
- EMCIM3DE052 L - Tool Engineering
- EMCIM3DE053M - Plastics and Composite Materials
- EMCIM3DE053N - Total Quality System and Engineering
- EMCIM3DE053O - Advances in Manufacturing Technology