

SUBJECTS OF STUDY AND SCHEME OF EVALUATION
SEMESTER I
(Branch: Mechanical Engineering)

S. No	Code	Course	Course Category	Periods per Week			Credits	Evaluation		
				Theory	Practical	Total		Type	CA	External
1	1001	English – I	F	4	-	4	4	T	50	100
2	1002	Technical Mathematics – I	F	6	-	6	6	T	50	100
3	1003	Applied Science – I	F	6	-	6	6	T	50	100
4	1004	General Engineering	F	4	-	4	4	T	50	100
5	2001	Technology in Society	C	3	-	3	3	T	50	100
6	1017	Engineering Graphics	F	1	2	3	-	D	-	-
7	101	General Worksop	F	-	3	3	3	P	50	50
8	105	Applied Science Lab	F	-	2	2	-	P	-	-
9	201	Informatics Practices	C	2	2	4	3	P	50	50
		TOTAL		26	9	35	29		350	600

Abbreviations used:

Course Categories: F – Foundation Courses, C- Common Courses, B- Basic Technology Courses,
A – Applied Technology Courses, E- Elective Courses.

Evaluation Type: T – Theory, P – Practical, D – Drawing, Pr – Project.

SUBJECTS OF STUDY AND SCHEME OF EVALUATION
SEMESTER II
(Branch: Mechanical Engineering)

S. No	Code	Course	Course Category	Periods per Week			Credits	Evaluation		
				Theory	Practical	Total		Type	CA	External
1	1014	English – II	F	4	-	4	4	T	50	100
2	1015	Technical Mathematics – II	F	6	-	6	6	T	50	100
3	1016	Applied Science – II	F	6	-	6	6	T	50	100
4	1018	Programming Methodology	F	3	2	5	4	T	50	100
5	1017	Engineering Graphics	F	1	2	3	5	D	50	100
6	3003	Manufacturing Process	B	5	-	5	5	P	50	100
7	105	Applied Science Lab	F	-	2	2	2	P	50	50
8	303	Work Shop Practice	B	-	4	4	3	P	50	50
		TOTAL		25	10	35	35		400	700

Abbreviations used:

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SUBJECTS OF STUDY AND SCHEME OF EVALUATION
SEMESTER III
(Branch: Mechanical Engineering)

S. No	Code	Course	Course Category	Periods per Week			Credits	Evaluation		
				Theory	Practical	Total		Type	CA	External
1	3037	Fluid Mechanics and Pneumatics	B	5	-	5	5	T	50	100
2	3038	Electrical and Electronics Engineering	B	5	-	5	5	T	50	100
3	3039	Metallurgy & Machine Tools	B	6	-	6	5	T	50	100
4	3040	Machine Drawing	B	1	3	4	3	D	50	100
5	202	Health & Physical Education	C	1	2	3	2	P	50	50
6	318	Work Shop Practice - III	B	-	6	6	4	P	50	50
7	319	Hydraulics Laboratory	B	-	3	3	2	P	50	50
8	320	Electrical Technology Lab	B	-	3	3	2	P	50	50
		TOTAL		18	17	35	28		400	600

Abbreviations used:

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A – Applied Technology Courses, E- Elective Courses.

Evaluation Type : T – Theory, P – Practical, D – Drawing, Pr – Project.

SUBJECTS OF STUDY AND SCHEME OF EVALUATION

SEMESTER IV (Branch: Mechanical Engineering)

S. No	Code	Course	Course Category	Periods per Week			Credits	Evaluation		
				Theory	Practical	Total		Type	CA	External
1	3043	Thermal Engineering	B	6	-	6	5	T	50	100
2	3044	Hydraulic Machines	B	4	-	4	4	T	50	100
3	4017	Applied Mechanics and Strength of Materials	A	6	-	6	5	T	50	100
4	4018	Production Drawing	A	2	2	4	3	D	50	100
5	203	Life Skills	C	1	2	3	3	P	50	50
6	325	Work Shop Practice - IV	B	-	6	6	4	P	50	50
7	417	Material Testing Laboratory	A	-	3	3	2	P	50	50
8	418	Industrial Maintenance and Servicing Laboratory	A	-	3	3	2	P	50	50
		TOTAL		19	16	35	28		400	600

Abbreviations used:

Course Categories : F – Foundation Courses, C- Common Courses, B- Basic Technology Courses,
A – Applied Technology Courses, E- Elective Courses.

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BST : Brach Specific Theory

BSL/W : Brach Specific Lab / Workshop

**SUBJECTS OF STUDY AND SCHEME OF EVALUATION
SEMESTER V**

(Branch: Mechanical Engineering)

S. No	Code	Course	Course Category	Periods per Week			Credits	Evaluation		
				Theory	Practical	Total		Type	CA	External
1	2004	Industrial Management & Safety	C	4	-	4	4	T	50	100
2	4022	Design of Machine Elements	A	5	-	5	4	T	50	100
3	4023	Industrial Engineering	A	5	-	5	4	T	50	100
4	5016 5017 5018 5019	1. Material Science and Heat Treatment 2. Power Plant Engineering 3. Alternate Energy Sources and Management 4. Material Handling	E	4	-	4	4	T	50	100
5	421	Heat Engines Laboratory	A	-	3	3	2	P	50	100
6	422	Machine Shop Practice	A	-	4	4	2	P	50	100
7	423	CADD Lab - I	A	-	4	4	2	P	50	100
8	6001	Industrial Training / Industrial Visit / Collaborative Work	Pr	2 Weeks*			5	Pr	50	-
9	6002	Project & Seminar	Pr	-	6	6		Pr	-	-
		TOTAL		18	17	35	27		400	700

* This course can be conveniently scheduled by the colleges during semester term.

Abbreviations used:

Course Categories: F – Foundation Courses, C- Common Courses, B- Basic Technology Courses,
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**SUBJECTS OF STUDY AND SCHEME OF EVALUATION
SEMESTER VI**

(Branch: Mechanical Engineering)

S. No	Code	Course	Course Category	Periods per Week			Credits	Evaluation		
				Theory	Practical	Total		Type	CA	External
1	2003	Environmental Science & Disaster Management	C	3	-	3	3	T	50	100
2	4027	Automobile Engineering	A	5	-	5	4	T	50	100
3	4028	Advanced Production Processes	A	5	-	5	4	T	50	100
4	4029	Refrigeration & Air Conditioning	A	5	-	5	4	T	50	100
5	5025 5026 5027 5028 5029	1. CAD - CAM 2. Unconventional Manufacturing 3. Industrial Automation and Mechatronics 4. Maintenance Engineering 5. Industrial Refrigeration	E	4	-	4	4	T	50	100
6	428	CADD Laboratory-II	A	-	3	3	2	P	50	100
7	429	Advanced Machine Tool Laboratory	A	-	4	4	2	P	50	100
8	6002	Project & Seminar	Pr	-	6	6	10	Pr	50	50
		TOTAL		22	13	35	33		400	750
		Total credits for the programme					180			

Abbreviations used:

Course Categories : F – Foundation Courses, C- Common Courses, B- Basic Technology Courses,
A – Applied Technology Courses, E- Elective Courses.

Evaluation Type : T – Theory, P – Practical, D – Drawing, Pr – Project.