

**School Name: School of Engineering**  
**Department Name : Civil Engineering**  
**Programme Name: M. Tech in Energy and Environmental Engineering**  
**Scheme: 2017-2019**

### SEMESTER I

S.No	Course Code	Course Title	L	T	P	C
1	CENG5001	Professional and Communication Skills	0	0	4	2
2	MATH5001	Advanced Numerical and Statistical Methods	3	1	0	4
3	MENE5001	Renewable Energy Technology	3	0	0	3
4	MENE5002	Physico-chemical, Biological Principles and Processes	3	0	0	3
5	MENE5003	Environmental Quality Monitoring	3	0	0	3
6	MENE5004	Energy Auditing, Conservation & Management	3	0	0	3
7	MENE5005	Renewable Energy Technology Lab	0	0	2	1
8	MENE5006	Environmental Quality Monitoring Lab	0	0	4	2
		Total	15	1	10	21

### SEMESTER II

S.No	Course Code	Course Title	L	T	P	C
1	MENE6001	Energy, Instrumentation, Measurement & Control	3	0	0	3
2	MENE6002	Environmental Audit & Impact Assessment	3	0	0	3
3	MENE6003	Design of Water & Wastewater Treatment Systems	3	0	0	3
4	MENE6004	Air Pollution & Its Control	3	0	0	3
5	MENE6019	Elective-I (Energy Environment Climate Change)	3	0	0	3
6	MENE6013	Elective-II (Solar Energy Technology)	3	0	0	3
7	MENE6005	Seminar	0	0	0	1
8	MENE6006	Energy, Instrumentation, Measurement & Control Lab	0	0	2	1
		Total	18	0	2	20

### SEMESTER III

S.No	Course Code	Course Title	L	T	P	C
1	MENE7001	Comprehensive Examination	0	0	0	2
2	MENE7002	Project (Phase I)	0	0	0	5
3	MENE6041	Clean Development Mechanism and Green Technology (Elective-III)	3	0	0	3
4	MENE6027	Bioenergy Technologies (Elective-IV)	3	0	0	3
5	MENE6037	Remote Sensing & GIS Applications (Elective-V)	3	0	0	3
		Total	9	0	0	16

### SEMESTER IV

S.No	Course Code	Course Title	L	T	P	C
1	MENE8001	Project (Phase II)	0	0	0	15
		Total	0	0	0	15

### LIST OF PROGRAM ELECTIVES

S.No.	Course Code	Course Title	L	T	P	C
1	MENE6013	Solar Energy Technology	3	0	0	3
2	MENE6015	Hydrogen & Fuel Cells	3	0	0	3
3	MENE6019	Energy Environment Climate Change	3	0	0	3
4	MENE6027	Bioenergy Technologies	3	0	0	3
5	MENE6029	Energy Efficient Building	3	0	0	3
6	MENE6032	Solid Waste Management	3	0	0	3
7	MENE6034	Design of Wastewater Treatment & Disposal System	3	0	0	3
8	MENE6035	Urban Environmental Quality Management	3	0	0	3
9	MENE6037	Remote Sensing & GIS Applications	3	0	0	3
10	MENE6038	Application of Bio-technology in Environmental Engineering	3	0	0	3
11	MENE6039	Risk Assessment and Disaster Management	3	0	0	3
12	MENE6040	Mathematical Modelling in Environmental Engineering	3	0	0	3
13	MENE6041	Clean Development Mechanism & Green Technologies	3	0	0	3
14	MENE6042	Environmental Ecology	3	0	0	3
15	MENE6046	Environmental Economics, Legislation and Management	3	0	0	3