



Semester-I

No	Code	Course	Category	L-T-P	Credits	Contact Hours	ISA	ESA	Total	Exam Duration	
1	19EESC701	Renewable Energy Systems	PC	3-0-1	04	04	50	50	100	3 hours	
2	19EESC702	Sustainable Building Design	PC	3-1-0	04	05	50	50	100	3 hours	
3	19EESC703	Computational Methods in Engineering Analysis	PC	3-0-1	04	04	50	50	100	3 hours	
4	19EESC701	Wind Energy Conversion Systems	PE	3-1-0	04	05	50	50	100	3 hours	
	19EESC702	Solar Thermal Systems Design									
	19EESC703	Co-generation and Electric Vehicles									
	19EESC704	Illumination Engineering									
5	19EESP701	Energy System Lab	PC	0-0-2	02	04	80	20	100	3 hours	
6	19EESP702	Industrial Instrumentation and control Lab	PC	0-0-2	02	04	80	20	100	3 hours	
7	19EESV701	Recent Topics on Technology Trends	PV	0-0-1	01	02	100	--	100	--	
8	19EESW701	Mini Project-1	PW	0-0-4	04	08	50	50	100	3 hours	
TOTAL				12-2-11	25	36					

Note: PC: Programme Core, PE: Programme Elective, PI: Programme Internship, PW: Programme Project Work L: Lecture, T: Tutorials, P: Practical ISA: In Semester Assessment, ESA: End Semester Assessment

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Semester-II

No	Code	Course	Category	L-T-P	Credits	Contact Hours	ISA	ESA	Total	Exam Duration
1	19EESC704	Energy Audit and Conservation	PC	3-0-0	03	03	50	50	100	3 hours
2	19EESC705	Research Methodology	PC	2-1-0	03	04	100	--	100	3 hours
3	19EESC706	Conventional Energy Conversion	PC	3-0-0	03	05	50	50	100	3 hours
4	19EESC707	Economics and Planning of Energy conversion	PC	3-1-0	04	05	50	50	100	3 hours
5	19EESC705	Design of Heat transfer Equipment	PE	3-0-1	04	05	50	50	100	3 hours
	19EESC706	Solar Photovoltaic System Design								
	19EESC707	Energy Efficient Smart Grids								
	19EESC708	Hydrogen and Fuel Cells								
6	19EESP703	Process Modelling and Simulation Lab	PC	0-0-2	02	04	80	20	100	3 hours
7	19EESP704	IoT based Living Space Lab	PC	0-0-2	02	04	80	20	100	3 hours
8	19EESW702	Mini Project-2	PW	0-0-4	04	08	80	20	100	3 hours
TOTAL				14-2-9	25	38				

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