



**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES**  
**(Autonomous)**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**B.Tech R20::MINOR DEGREE COURSE STRUCTURE AND SYLLABI**

1. Student shall earn 20 additional credits to be eligible for the award of B. Tech - Minor degree (16 credits shall be earned by undergoing specified courses listed as pools, with four courses, each carrying 4 credits, the remaining 4 credits must be acquired through two MOOCs, which shall be domain specific, each with 2 credits and with a minimum duration of 8/12 weeks as recommended by the Board of studies).

2. The student can opt any 4 subjects from each pool.

**General Track (Electrical and Electronics Engineering)**

S.No	Course Code	Course Title	Scheme of Instructions Hours per Week				Scheme of Examination Maximum Marks		
			L	T	P	C	I	E	Total
1	20EEEMR1A	Electrical Machine Design	3	1	-	4	30	70	100
2	20EEEMR1B	Modern Power Electronics and Drives	3	1	-	4	30	70	100
3	20EEEMR1C	Electrical Power Transmission and Distribution	3	1	-	4	30	70	100
4	20EEEMR1D	Electrical Power Quality	3	1	-	4	30	70	100
5	20EEEMR1E	Smart Grid Technology and Applications	3	1	-	4	30	70	100
6	20EEEMR1F	Electric Vehicle Technology	3	1	-	4	30	70	100

**BOS-Chairman**

**Principal**