

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**B.Tech. in Electrical and Electronics Engineering****COURSE STRUCTURE & SYLLABUS (R25 Regulations)****Applicable from AY 2025-26 Batch****Minor Degree in Electric Vehicles (4 Semesters)**

	Theory (# Credits) <i>(Which is not studied in regular course):</i>	Laboratory (# Credits)	Total Credits
II Year II Sem.	Theory Course – 1 (3 Credits) ○ Automobile Systems and Vehicle Dynamics	Lab – 1 (1 Credit) ○ EV Lab	4
III Year I Sem.	Theory Course – 2 (3 Credits) ○ Energy Sources for EVs	--	3
III Year II Sem.	Theory Course – 3 (3 Credits) ○ Battery Charging Technology and Battery Management System	Lab – 2 (1 Credit) ○ BMS Lab	4
IV Year I Sem.	Theory Course – 4 (3 Credits) ○ Electric Vehicle: Safety and Regulations and Future of EVs	--	3
IV Year I Sem.	○ Project/ Experiential Learning	--	4
Total Credits			18