

Maulana Azad National Institute of Technology, Bhopal 462003

Department of Energy Science & Engineering

ऊर्जा विज्ञान एवं इंजीनियरिंग विभाग

Scheme of Minor program in “Energy Engineering and EV”

THIRD SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
EN EV 2103	Alternate Energy Sources	3	-	-	3

FOURTH SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
EN EV 2205	Battery Design and Management Systems	3	-	-	3

FIFTH SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
EE EV 3104	EV Charger Development and Testing	3	-	-	3

SIXTH SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
EE EV 3202	Motor Design and Drive Development	3	-	-	3

SEVENTH SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
EN EV 4102	Electric Vehicle Modeling, Simulation and Testing	3	-	-	3

EIGHTH SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
EN EV 4254 Or EN EV 4261	Hydrogen Energy: Production, Storage, Transportation and Safety (NPTEL/SWAYAM Courses Only)	3	-	-	3
	Solar Photovoltaics Fundamentals, Technology and Applications (NPTEL/SWAYAM Courses Only)	3	-	-	3

In the eighth semester, the centre is proposing two options for the student to choose any one from the NPTEL courses only.