

B. S. Engineering Design (Eaton Technologies, Pune)

Type of Input & Duration: Sponsored employees of Eaton Technologies, Pune with Technical Diploma / B.Sc. or its equivalent for a six semesters programme.

Special Feature: This is a specially designed programme for the Human Resource Development needs of Eaton Technologies, Pune.

Year	First Semester		U	Second Semester		U
I	EDET ZC161	Engineering Mathematics I	3	EDET ZC162	Engineering Mathematics II	3
	EDET ZC211	Electrical & Electronics Technology	3	EDET ZC232	Engineering Materials	3
	EDET ZC231	Principles of Management	3	EDET ZC241	Technical Report Writing	3
	EDET ZC242	Fluid Mechanics and Machines	3	EDET ZC251	Engineering Measurements	3
	Total		12	Total		12
II	EDET ZC311	Manufacturing Process	3	EDET ZC322	Kinematics & Dynamics of Machines	3
	EDET ZC312	Computer Programming	3	EDET ZC331	Optimization	3
	EDET ZC321	Mechanics of Solids	3	EDET ZC332	Mechanical Engineering Design I	3
	EDET ZC341	Thermal Engineering I	3	EDET ZC342	Thermal Engineering II	3
	Total		12	Total		12
III	EDET ZC431	Mechanical Engineering Design II	3	EDET ZC423T	Project Work	20
	EDET ZC432	Quality Control Assurance and Reliability	3			
	EDET ZC451	Product Design & Development	3			
		Elective	3			
	Total		12	Total		20

Note: This is the currently operative pattern as approved by the Senate-appointed committee, subject to change if the situation warrants.

Pool of Elective Courses		
EDET ZC421	Fluid Power Engineering	3
EDET ZC422	Polymer Science and Engineering	3
EDET ZC441	Automotive Vehicles	3

B. S. Engineering Design (L&T, Vadodara)

Type of Input & Duration: Sponsored employees of L&T eEngineering Solutions, Vadodara with Technical Diploma / B.Sc. or its equivalent for a six semesters programme.

Special Feature: This is a specially designed programme for the Human Resource Development needs of L&T eEngineering Solutions, Vadodara.

Year	First Semester		U	Second Semester		U
I	EDLT ZC211	Electrical & Electronics Technology	3	EDLT ZC212	Engineering Mechanics	3
	EDLT ZC221	Engineering Mathematics I	3	EDLT ZC222	Engineering Mathematics II	3
	EDLT ZC231	Principles of Management	3	EDLT ZC232	Engineering Materials	3
	EDLT ZC241	Technical Report Writing	3	EDLT ZC242	Fluid Mechanics and Machines	3
	Total		12	Total		12
II	EDLT ZC311	Manufacturing Process	3	EDLT ZC312	Computer Programming	3
	EDLT ZC321	Mechanics of Solids	3	EDLT ZC322	Kinematics & Dynamics of Machines	3
	EDLT ZC331	Optimization	3	EDLT ZC332	Mechanical Engineering Design I	3
	EDLT ZC341	Thermal Engineering I	3	EDLT ZC342	Thermal Engineering II	3
	Total		12	Total		12
III	EDLT ZC411	Computer Aided Design	3	EDLT ZC423T	Project Work	20
	EDLT ZC421	Instrumentation & Control	3			
	EDLT ZC431	Mechanical Engineering Design II	3			
		Elective	3			
	Total		12	Total		20

Note: This is the currently operative pattern as approved by the Senate-appointed committee, subject to change if the situation warrants.

Pool of Elective courses		
EDLT ZC441	Automotive Vehicles	3
EDLT ZC451	Product Design and Development	3