

SSID	SID	RID	COURSE TITLE	CREDITS
NULL	1	1	Mathematics - I	4
NULL	1	1	Engineering Physics	4
NULL	1	1	Programming for Problem Solving	4
NULL	1	1	Engineering Graphics	3
NULL	1	1	Engineering Physics Lab	1.5
NULL	1	1	Programming for Problem Solving Lab	1.5
NULL	1	1	Environmental Science	0
NULL	2	1	Mathematics - II	4
NULL	2	1	Chemistry	4
NULL	2	1	Engineering Mechanics	4
NULL	2	1	Engineering Workshop	2.5
NULL	2	1	English	2
NULL	2	1	Engineering Chemistry Lab	1.5
NULL	2	1	English Language and Communication Skills Lab	1
NULL	3	1	Surveying and Geomatics	3
NULL	3	1	Engineering Geology	2
NULL	3	1	Strength of Materials - I	4
NULL	3	1	Probability and Statistics	4
NULL	3	1	Fluid Mechanics	4
NULL	3	1	Surveying Lab	1.5
NULL	3	1	Strength of Materials Lab	1.5
NULL	3	1	Engineering Geology Lab	1
NULL	3	1	Constitution of India	0
NULL	4	1	Basic Electrical and Electronics Engineering	3
NULL	4	1	Basic Mechanical Engineering for Civil Engineers	2
NULL	4	1	Building Materials, Construction and Planning	3
NULL	4	1	Strength of Materials - II	3
NULL	4	1	Hydraulics and Hydraulic Machinery	3
NULL	4	1	Structural Analysis - 1	3
NULL	4	1	Computer aided Civil Engineering Drawing	1.5
NULL	4	1	Hydraulics and Hydraulic Machinery Lab	1.5
NULL	4	1	Basic Electrical and Electronics Engineering Lab	1
NULL	4	1	Gender Sensitization Lab	0
NULL	5	1	Structural Analysis-II	3
NULL	5	1	Geotechnical Engineering	3
NULL	5	1	Structural Engineering —I (RCC)	4
NULL	5	1	Transportation Engineering	3
NULL	5	1	Professional Elective-I	3
NULL	5	1	Engineering Economics and Accountancy	2
NULL	5	1	Highway Engineering and Concrete Technology Lab	1.5
NULL	5	1	Geotechnical Engineering Lab	1.5
NULL	5	1	Advanced Communication Skills Lab	1
NULL	5	1	Intellectual Property Rights	0
NULL	6	1	Hydrology & Water Resources Engineering	4
NULL	6	1	Environmental Engineering	3
NULL	6	1	Foundation Engineering	3
NULL	6	1	Structural Engineering —II (Steel)	4
NULL	6	1	Professional Elective —II	3
NULL	6	1	Open Elective —I	3

NULL	6	1	Environmental Engineering Lab	1
NULL	6	1	Computer Aided Design Lab	1
NULL	6	1	Environmental Science	0
NULL	7	1	Estimation, Costing and Project Management	4
NULL	7	1	Professional Elective —III	3
NULL	7	1	Professional Elective —IV	3
NULL	7	1	Open Elective —II	3
NULL	7	1	Industrial Oriented Mini Project/SummerInternship	2
NULL	7	1	Seminar	1
NULL	7	1	ProjectStage-I	3
NULL	8	1	Professional Elective -V	3
NULL	8	1	Professional Elective —VI	3
NULL	8	1	Open Elective —III	3
NULL	8	1	Project Stage-II	7
NULL	1	2	Mathematics - 1	3
NULL	1	2	Chemistry	3
NULL	1	2	Basic Electrical Engineering	3
NULL	1	2	Engineering Workshop	1
NULL	1	2	English	2
NULL	1	2	Engineering Chemistry Lab	0
NULL	1	2	English Language and Communication Skills Lab	0
NULL	1	2	Basic Electrical Engineering Lab	0
NULL	1	2	Induction Programme	0
NULL	2	2	Mathematics - II	3
NULL	2	2	Applied Physics	3
NULL	2	2	Programming for Problem Solving	3
NULL	2	2	Engineering Graphics	1
NULL	2	2	Applied Physics Lab	0
NULL	2	2	Programming for Problem Solving Lab	0
NULL	2	2	Environmental Science	3
NULL	3	2	Engineering Mechanics	3
NULL	3	2	Electrical Circuit Analysis	3
NULL	3	2	Analog Electronics	3
NULL	3	2	Electrical Machines - I	3
NULL	3	2	Electromagnetic Fields	3
NULL	3	2	Electrical Machines Lab - I	0
NULL	3	2	Analog Electronics Lab	0
NULL	3	2	Electrical Circuits Lab	0
NULL	3	2	Gender Sensitization Lab	0
NULL	4	2	Laplace Transforms, Numerical Methods & Complex variables	4
NULL	4	2	Electrical Machines — II	4
NULL	4	2	Digital Electronics	3
NULL	4	2	Control Systems	4
NULL	4	2	Power System - I	3
NULL	4	2	Digital Electronics Lab	1
NULL	4	2	Electrical Machines Lab - II	1
NULL	4	2	Control Systems Lab	1
NULL	4	2	Constitution of India	0
NULL	5	2	Power Electronics	4
NULL	5	2	Power System-II	4

NULL	5	2	Measurements and Instrumentation	4
NULL	5	2	Professional Elective-I	3
NULL	5	2	Business Economics and Financial Analysis	3
NULL	5	2	Power System Simulation Lab	1
NULL	5	2	Power Electronics Lab	1
NULL	5	2	Measurements and Instrumentation Lab	1
NULL	5	2	Advanced Communication Skills Lab	1
NULL	5	2	Intellectual Property Rights	0
NULL	6	2	Open Elective-I	3
NULL	6	2	Professional Elective-II	3
NULL	6	2	Signals and Systems	3
NULL	6	2	Microprocessors & Microcontrollers	3
NULL	6	2	Power System Protection	4
NULL	6	2	Power System Operation and Control	3
NULL	6	2	Power System Lab	1
NULL	6	2	Microprocessors & Microcontrollers Lab	1
NULL	6	2	Signals and Systems Lab	1
NULL	6	2	Environmental Science	0
NULL	7	2	Open Elective-II	3
NULL	7	2	Professional Elective-III	3
NULL	7	2	Professional Elective-IV	3
NULL	7	2	Fundamentals of Management for Engineers	3
NULL	7	2	Electrical & Electronics Design Lab	3
NULL	7	2	Industrial Oriented Mini Project/ Summer Internship	2
NULL	7	2	Seminar	1
NULL	8	2	Project Stage-I	3
NULL	8	2	Open Elective-III	3
NULL	8	2	Professional Elective-V	3
NULL	8	2	Professional Elective-VI	3
NULL	8	2	Project Stage - II	7
NULL	1	3	Mathematics - I	3
NULL	1	3	Engineering Physics	3
NULL	1	3	Programming for Problem Solving	3
NULL	1	3	Engineering Graphics	1
NULL	1	3	Engineering Physics Lab	0
NULL	1	3	Programming for Problem Solving Lab	0
NULL	1	3	Environmental Science	3
NULL	2	3	Mathematics - II	3
NULL	2	3	Chemistry	3
NULL	2	3	Engineering Mechanics	3
NULL	2	3	Engineering Workshop	1
NULL	2	3	English	2
NULL	2	3	Engineering Chemistry Lab	0
NULL	2	3	English Language and Communication Skills Lab	0
NULL	3	3	Probability and Statistics & Complex Variables	3
NULL	3	3	Mechanics of Solids	3
NULL	3	3	Material Science and Metallurgy	3
NULL	3	3	Production Technology	3
NULL	3	3	Thermodynamics	3
NULL	3	3	Production Technology Lab	0

NULL	3	3	Machine Drawing Practice	0
NULL	3	3	Material Science and Mechanics of Solids Lab	0
NULL	3	3	Constitution of India	3
NULL	4	3	Basic Electrical and Electronics Engineering	3
NULL	4	3	KinematicsofMachinery	4
NULL	4	3	ThermalEngineering-I	4
NULL	4	3	Fluid Mechanics and Hydraulic Machines	4
NULL	4	3	Instrumentation and Control Systems	3
NULL	4	3	Basic Electrical and Electronics Engineering Lab	1
NULL	4	3	Fluid Mechanics and Hydraulic Machines Lab	1
NULL	4	3	Instrumentation and Control Systems Lab	1
NULL	4	3	GenderSensitization Lab	0
NULL	5	3	Dynamics of Machinery	4
NULL	5	3	Design of Machine Members-I	3
NULL	5	3	Metrology & Machine Tools	3
NULL	5	3	Business Economics & Financial Analysis	3
NULL	5	3	Thermal Engineering-II	3
NULL	5	3	Operations Research	3
NULL	5	3	Thermal Engineering Lab	1
NULL	5	3	Metrology & Machine Tools Lab	1
NULL	5	3	Kinematics & Dynamics Lab	1
NULL	5	3	Intellectual Property Rights	0
NULL	6	3	Design of Machine Members-II	3
NULL	6	3	Heat Transfer	4
NULL	6	3	CAD & CAM	3
NULL	6	3	Professional Elective - I	3
NULL	6	3	Open Elective - I	3
NULL	6	3	Finite Element Methods	3
NULL	6	3	Heat Transfer Lab	1
NULL	6	3	CAD & CAM Lab	1
NULL	6	3	Advanced Communication Skills lab	1
NULL	6	3	Environmental Science	0
NULL	7	3	Refrigeration & Air Conditioning	3
NULL	7	3	Professional Elective — II	3
NULL	7	3	Professional Elective — III	3
NULL	7	3	Professional Elective - IV	3
NULL	7	3	Open Elective - II	3
NULL	7	3	Industrial Oriented Mini Project/ Summer Internship	2*
NULL	7	3	Seminar	1
NULL	7	3	Project Stage - I	3
NULL	8	3	Professional Elective — V	3
NULL	8	3	Professional Elective — VI	3
NULL	8	3	Open Elective - III	3
NULL	8	3	Project Stage - II	7
NULL	1	4	Mathematics - I	4
NULL	1	4	Applied Physics	4
NULL	1	4	Programming for Problem Solving	4
NULL	1	4	Engineering Graphics	3
NULL	1	4	Applied Physics Lab	1.5
NULL	1	4	Programming for Problem Solving Lab	1.5

NULL	1	4	Environmental Science	0
NULL	2	4	Mathematics - II	4
NULL	2	4	Chemistry	4
NULL	2	4	Basic Electrical Engineering	3
NULL	2	4	Engineering Workshop	2.5
NULL	2	4	English	2
NULL	2	4	Engineering Chemistry Lab	1.5
NULL	2	4	English Language and Communication Skills Lab	1
NULL	2	4	Basic Electrical Engineering Lab	1
NULL	3	4	Electronic Devices and Circuits	4
NULL	3	4	Network Analysis and Transmission Lines	3
NULL	3	4	Digital System Design	4
NULL	3	4	Signals and Systems	4
NULL	3	4	Probability Theory and Stochastic Processes	3
NULL	3	4	Electronic Devices and Circuits Lab	1
NULL	3	4	Digital System Design Lab	1
NULL	3	4	Basic Simulation Lab	1
NULL	3	4	Constitution of India	0
NULL	4	4	Laplace Transforms, Numerical Methods & Complex Variables	4
NULL	4	4	Analog and Digital Communications	4
NULL	4	4	Linear IC Applications	3
NULL	4	4	Electronic Circuit Analysis	3
NULL	4	4	Analog and Digital Communications Lab	1.5
NULL	4	4	IC Applications Lab	1.5
NULL	4	4	Electronic Circuit Analysis Lab	1
NULL	4	4	Gender Sensitization Lab	0
NULL	5	4	Microprocessors & Microcontrollers	4
NULL	5	4	Data Communications and Networks	4
NULL	5	4	Control Systems	4
NULL	5	4	Business Economics & Financial Analysis	3
NULL	5	4	Professional Elective - I	3
NULL	5	4	Microprocessors & Microcontrollers Lab	1.5
NULL	5	4	Data Communications and Networks Lab	1.5
NULL	5	4	Advanced Communication Skills Lab	1
NULL	5	4	Intellectual Property Rights	0
NULL	6	4	Antennas and Propagation	4
NULL	6	4	Digital Signal Processing	4
NULL	6	4	VLSI Design	4
NULL	6	4	Professional Elective - II	3
NULL	6	4	Open Elective - I	3
NULL	6	4	Digital Signal Processing Lab	1.5
NULL	6	4	e — CAD Lab	1.5
NULL	6	4	Scripting Languages Lab	1
NULL	6	4	Environmental Science	0
NULL	7	4	Microwave and Optical Communications	3
NULL	7	4	Professional Elective — III	3
NULL	7	4	Professional Elective — IV	3
NULL	7	4	Open Elective - II	3
NULL	7	4	Professional Practice, Law & Ethics	2
NULL	7	4	Microwave and Optical Communications Lab	1

NULL	7	4	Industrial Oriented Mini Project/ Summer Internship	2
NULL	7	4	Seminar	1
NULL	7	4	Project Stage - 1	3
NULL	8	4	Professional Elective — V	3
NULL	8	4	Professional Elective — VI	3
NULL	8	4	Open Elective - III	3
NULL	8	4	Project Stage - II	7
NULL	1	5	Engineering Workshop	2.5
NULL	1	5	Engineering Chemistry Lab	1.5
NULL	1	5	English Language and Communication Skills Lab	1
NULL	1	5	Basic Electrical Engineering Lab	1
NULL	1	5	Mathematics - I	4
NULL	1	5	Chemistry	4
NULL	1	5	Basic Electrical Engineering	3
NULL	1	5	English	2
NULL	2	5	Applied Physics Lab	1.5
NULL	2	5	Programming for Problem Solving Lab	1.5
NULL	2	5	Mathematics - II	4
NULL	2	5	Applied Physics	4
NULL	2	5	Programming for Problem Solving	4
NULL	2	5	Engineering Graphics	3
NULL	3	5	Analog and Digital Electronics Lab	1
NULL	3	5	C++ Programming Lab	1
NULL	3	5	Data Structures Lab	1.5
NULL	3	5	IT Workshop Lab	1.5
NULL	3	5	Analog and Digital Electronics	3
NULL	3	5	Computer Organization and Architecture	3
NULL	3	5	Computer Oriented Statistical Methods	4
NULL	3	5	Data Structures	4
NULL	3	5	Object Oriented Programming using C++	2
NULL	4	5	Database Management Systems Lab	1.5
NULL	4	5	Java Programming Lab	1
NULL	4	5	Operating Systems Lab	1.5
NULL	4	5	Business Economics & Financial Analysis	3
NULL	4	5	Database Management Systems	4
NULL	4	5	Discrete Mathematics	3
NULL	4	5	Java Programming	4
NULL	4	5	Operating Systems	3
NULL	5	5	Advanced Communication Skills Lab	1
NULL	5	5	Computer Networks & Web Technologies Lab	1.5
NULL	5	5	Software Engineering Lab	1.5
NULL	5	5	Computer Networks	3
NULL	5	5	Professional Elective-I	3
NULL	5	5	Professional Elective -II	3
NULL	5	5	Formal Languages & Automata Theory	3
NULL	5	5	Software Engineering	3
NULL	5	5	Web Technologies	3
NULL	6	5	Compiler Design Lab	1.5
NULL	6	5	Machine Learning Lab	1.5
NULL	6	5	Professional Elective-III Lab	1

NULL	6	5	Compiler Design	4
NULL	6	5	Design and Analysis of Algorithms	4
NULL	6	5	Machine Learning	4
NULL	6	5	Professional Elective – III	3
NULL	6	5	Open Elective-I	3
NULL	7	5	Cryptography & Network Security	3
NULL	7	5	Data Mining	2
NULL	7	5	Professional Elective -IV	3
NULL	7	5	Professional Elective -V	3
NULL	7	5	Open Elective - II	3
NULL	7	5	Cryptography & Network Security Lab	1
NULL	7	5	Industrial Oriented Mini Project/ Summer Internship	2
NULL	7	5	Seminar	1
NULL	7	5	Project Stage - I	3
NULL	8	5	Organizational Behaviour	3
NULL	8	5	Professional Elective - VI	3
NULL	8	5	Open Elective - III	3
NULL	8	5	Project Stage - II	7