

Id	Program	CourseCode	CourseName	COCode	CO
1917	First Year Engineering	IB4	Electrical Engineering	CO4	Use the electrical machines like Single Phase Transformer, D.C Machines etc
1917	First Year Engineering	IB4	Electrical Engineering	CO3	analyze the single phase & poly phase A.C. circuit & their relation.
1917	First Year Engineering	IB4	Electrical Engineering	CO1	Know the fundamentals quantities of Electrical Engineering & amplification theorems.
1917	First Year Engineering	IB3	Computer Programming	CO4	Perform the operations on structures, functions and pointers.
1917	First Year Engineering	IB4	Electrical Engineering	CO2	Understand the phenomenon of Magnetic Circuit & Electromagnetism.
1917	First Year Engineering	IB3	Computer Programming	CO3	Analyze the sorting and various other operations on 1-D and 2-D array.
1917	First Year Engineering	IB3	Computer Programming	CO2	To know the basics of decision control statements and loop control statements.
1917	First Year Engineering	IB2	Engineering Chemistry	CO4	Analyze the petroleum cracking and catalytic cracking.
1917	First Year Engineering	IB2	Engineering Chemistry	CO5	Demonstrate the effect of green house gases, Damaging of ozone natural balance etc.
1917	First Year Engineering	IB3	Computer Programming	CO1	Know the Design and code well-structured C programs, flowcharts, algorithms etc.
1917	First Year Engineering	IA5	Workshop-I	CO2	Select proper material, tools, equipments and process / machines for manufacturing the required job
1917	First Year Engineering	IA5	Workshop-I	CO3	Use basic marking and measuring instruments to inspect the job for desired dimensions and shape.
1917	First Year Engineering	IA5	Workshop-I	CO4	Analyze the drilling, tapping & pipe threading operations.
1917	First Year Engineering	IA5	Workshop-I	CO5	Demonstrate the use of Bench Drill Machine.
1917	First Year Engineering	IA4	Engineering Drawing	CO1	Identify the basic concepts in drawing, acquire skill to draw the real life engineering objects by using the engineering drawing concepts.
1917	First Year Engineering	IA4	Engineering Drawing	CO2	Draw the geometrical figures and engineering curves.
1917	First Year Engineering	IA4	Engineering Drawing	CO3	Represent the various positions of planes & solids in different orientations.
1917	First Year Engineering	IA4	Engineering Drawing	CO4	Draw the views of given object using principles of orthographic projection.
1917	First Year Engineering	IA4	Engineering Drawing	CO5	Draw the isometric views of given component or from orthographic projections.
1917	First Year Engineering	IA3	Engineering Mechanics	CO4	Find the forces in truss, moment of inertia and product of inertia for different sections
1917	First Year Engineering	IA3	Engineering Mechanics	CO5	Understand the working and use of D'Alembert principal & types of motions
1917	First Year Engineering	IA3	Engineering Mechanics	CO3	Calculate the frictional force and frictional coefficient for various conditions
1917	First Year Engineering	IA1	Engineering Mathematics-I	CO1	Know the concept of Successive differentiation & Variable separable form.

1917	First Year Engineering	IA1	Engineering Mathematics-I	CO2	Understand differential calculus, partial differential equation, exact differential equations with their applications in general life.
1917	First Year Engineering	IA1	Engineering Mathematics-I	CO3	Study the Complex Numbers, ordinary differential equations of first order & first degree in various forms.
1917	First Year Engineering	IA1	Engineering Mathematics-I	CO4	Solve nth derivative using Leibniz theorem & Various types of series by using Maclaurins & Taylors theorem
1917	First Year Engineering	IA1	Engineering Mathematics-I	CO5	Calculate maxima & minima of functions of several independent connected variables.
1917	First Year Engineering	IA2	Engineering Physics	CO1	Know the Conducting, Superconducting, Dielectric materials and Electron Wave
1917	First Year Engineering	IA2	Engineering Physics	CO2	Understand the Interferometric techniques in metrology & Communication.
1917	First Year Engineering	IA2	Engineering Physics	CO3	Demonstrate the applications of quantum physics to optical & electrical phenomena
1917	First Year Engineering	IA2	Engineering Physics	CO4	Draw the diagrams of Bainbridge mass spectrometer, Ways of propagation of light in optical fiber, Compton Effect, Bournollis theorem etc
1917	First Year Engineering	IA2	Engineering Physics	CO5	Use the knowledge of Physics of Modern engineering materials in social life.
1917	First Year Engineering	IA3	Engineering Mechanics	CO1	Know the component and resultant of forces in different cases.
1917	First Year Engineering	IA3	Engineering Mechanics	CO2	Understand the principle of work-energy, Lamis Theorem and applications of both.
1917	First Year Engineering	IA5	Workshop-I	CO1	Know the precautions to be followed during operation.
1917	First Year Engineering	IB1	Engineering Mathematics-II	CO1	Know that the Fourier series are use in the fields of digital signal processing and spectral analysis.
1917	First Year Engineering	IB1	Engineering Mathematics-II	CO2	Use the matrix arithmetic to calculate the electrical properties of a circuit with voltage, resistance etc.
1917	First Year Engineering	IB1	Engineering Mathematics-II	CO3	Analyze the matrix role in every reflection & distortion effect such as light passing through ripple water.
1917	First Year Engineering	IB1	Engineering Mathematics-II	CO4	Apply the integration in Geometry, Natural and Social Science.
1917	First Year Engineering	IB2	Engineering Chemistry	CO1	Know the Hardness of water, Corrosion and methods of determining hardness.
1917	First Year Engineering	IB2	Engineering Chemistry	CO2	Understand the corrosion and methods to control corrosion.
1917	First Year Engineering	IB2	Engineering Chemistry	CO3	Use of nuclear power reactor, Portland cement. PVC, Bakelite, etc
1917	First Year Engineering	IB5	Workshop-II	CO1	Know the precautions to be followed during operation
1917	First Year Engineering	IB5	Workshop-II	CO2	Select proper material, tools, equipment and process / machines for manufacturing the required job.

1917	First Year Engineering	IB5	Workshop-II	CO3	Use the basic marking and measuring instruments to inspect the job for desired dimensions and shape
1917	First Year Engineering	IB5	Workshop-II	CO4	Analyze the welding & different joints operations.
1917	First Year Engineering	IB5	Workshop-II	CO5	Demonstrate the use of sheet metal.
1917	First Year Engineering	IB3	Computer Programming	CO5	Deliberate the characteristics of Organization of Computer System
1917	First Year Engineering	IB4	Electrical Engineering	CO5	To understand Electrical Apparatus and safety & to understand Necessity & Types of earthing.