

<b>Subject</b>	<b>Short</b>
ACEL -I:Hydraulics and Hydrology	1CE681
Advance Control System	1EE601
Advance Electrical Engineering Lab - I	1EE691
Advance Instrumentation	1EE602
Advance Mathematics	1 MA 609
Advance Power System	1EE631
Advanced Antenna Engineering	EC632
Advanced Civil Engineering Lab -I	1CE681
Advanced Computer Lab-I	1CS603
Advanced Computer Networks	1CS602
Advanced Data Structure & File Systems	1CS601
Advanced Electronics Lab -I	EC603
Advanced Foundation Engineering	1CE731
Advanced heat and mass transfer	1ME602
Advanced Hydraulics	1CE661
Advanced Hydrology	1CE662
Advanced IT Lab-I	1IT603
Advanced mechanical engineering design	1ME721
Advanced Mechanical Engineering Lab - I	1ME681
Advanced mechanics of solid	1ME722
Advanced MOS lab	1ME688
Advanced Structural Analysis	1CE601
Advanced thermodynamics	1ME601
Advanced Web Technology	1IT601
Analog Communication	EC115
Analog Communication Lab	EC116
Analysis and Design of Digital Integrated Circuits	EC662
Antenna & Propagation	EC141
Architectural Conservation (Department Elective-II)	7AR211
Architectural Design - I	3AR121
Architectural Design-III & Field study	5AR141

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PFD (2) - Preparation

Architectural Design-V & Field Study	7AR161
Architectural Graphics I	1AR102
Architecture Detailing	7AR162
Basic Design 1	1AR101
Bio Science	3CH105A
Building Construction-I	3AR122
Building Construction-III	5AR143
Building Materials (Material Science & Technology)	3AR124
Building Services (Illumination, Electrical Services and Acoustics)	5AR145
Chemical Science	1CH101A
Chemical Science Lab	1CH102A
Chemical Science(T)	1CH101A
City Planning	7AR163
Climatology and Solar Passive Architecture	3AR125
Coding Theory	EC621
Communication Skill Development and Technical Writing	1HS102
Communication Systems	5EC156
Communication Systems	EC156
Communication Systems	5EC156
Compiler Design	5CS113
Compiler Design lab	5CS114
Complex Variable & PDE: Math-III	3 MA 111
Computational Physics	3PH105
Computational Physics (Lab)	3PH106
Computer Aided Power System Analysis	1EE636
Computer Aided Power System Design	7EE159
Computer Application in Architecture	3AR126
Computing Lab	1CS102
Control Systems	5EE114
Control Systems Lab	5EE115
Data Communication and Networks	EC602
Data Structure & Algorithm	3 MA 112

? (1) - Max. on the question marked

PFD (2) - Preparation

Data Structure and Algorithms	CS103
Data Structures and Algorithms	3CS103
Departmental Elective – I:Structural Analysis	5CE183
Dept Ele- II: Data Mining and Warehousing	7IT166
Dept Ele -III, Irrigation Engg & Design of Hydraulic Structures	7CE173
Dept Ele- III: E-Commerce and ERP	7IT168
Dept. Ele - III, Solid Waste Management	7CE166
Dept. Ele – IV, Industrial Waste Treatment	7CE159
Dept. Ele – IV, Soil Dynamics	7CE161
Dept. Ele- II- Pattern Recognition	7CS154
Dept. Ele- III- Network Security	7CS170
Dept.Elec- I - IT Project Management	5IT163
Dept.Ele-IV, Bridge Engineering	7CE164
Design of Steel Structure / Concrete str.	7CE129
Design of Steel Structure Lab	5CE117
Design of Steel Structures	5CE116
Digital Communication	7EC119
Digital Control System	7EE163
Digital Design Lab	EC663
Digital Logic and Circuits	3EC103
Digital logic and Circuits Lab	3EC104
Digital Logic and Circuits(S)	3EC103
Digital Signal Processing	EC117
Digital Signal Processing Lab	EC118
Discrete Mathematical Structures	3MA106
Dynamic of Machinery lab	5ME116
Dynamics of Machinery	5ME115
EL1: Advanced Materials and Processing	1ME724
EL1: Computational fluid dynamics	1ME614
EL1: Project Management	1ME645
EL1: Statistical Quality Control	5ME144
EL1: Surface Engineering	1ME646

? (1) - Max. on the question marked

PFD (2) - Preparation

EL2: Advanced IC Engines	1ME632
EL2: Advances in Engineering optimization	1ME637
EL2: Mechanical Behaviour of Materials	1ME726
EL2: Modeling & Simulation of system	1ME649
EL3: Composite material & Processing	1ME644
EL3: Finite Element Analysis	1ME613
EL3: Pressure Vessel & Piping Design	1ME728
EL3: Solar Energy	1ME611
EL 1: Advanced Strength of Material	5ME142
EL 1: CAD/CAM	5ME141
EL 3: Finite Element Methods	7ME151
EL 3: Non-Conventional Manufacturing	7ME150
EL 4: Gas Turbine & Jet Propulsion	7ME152
EL 4: Mechatronics & Robotics	7ME153
Elective – I/II:Probability & Statistics	1MA604
Elective – I: Environmental Impact Assessment	1CE708
Elective – I: Hydro Power Engineering	1CE671
Elective – I: Optimization Technique in CE	1CE617
Elective – I:Earth Pressure & retaining str.	1CE735
Elective – I:Highway Economics	1CE635
Elective – I:River Engineering	1CE667
Elective – II: Bridge Engineering	1CE606
Elective – II: Earthquake resistant design of str	1CE609
Elective – II:Advance biological & PT	1CE714
Elective – II:Irrigation Water Management	1CE672
Elective – II:Remote Sensing & GIS for WRE	1CE670
Elective – II:Soil Stabilization	1CE734
Elective I: Machine Learning	1IT627
Elective III: Cyber Security	1IT661
Elective-I: Artificial Intelligence and Intelligent Systems	1CS621
Elective-I: Theory of Plates and Shells	1CE607
Elective-II : Theory of Elasticity and Plasticity	1CE742

? (1) - Max. on the question marked

PFD (2) - Preparation

Elective-II: Information Retrieval Techniques	1IT628
Elective-II: Ubiquitous & Pervasive Computing	1CS633
Elective-III: Semantic Web	1CS644
Electrical Machine - I	3EE103
Electrical Machine - I Lab	3EE104
Electrical Measurement and Instruments	5EE112
Electrical Measurement and Instruments Lab	5EE113
Electrical Measurements and Instr.	EE112
Electromagnetic Field Theory	EC105
Electromagnetic Field Theory	3EC105
Elements Of Electrical Engg	1EE101
Elements Of Electrical Engg Lab	1EE102
Elements of Electronics Engg	EC101
Elements of Electronics Engg Lab	EC102
Eng EI-III Innovation, Entrepreneurship & IPR	7HS108
Eng EI-IV: Probability & Statistics for Engineers	7MA107
Engg EI- I: Information Theory & Coding	5EC142
Engineering graphics	1ME101
Engineering- I (Elective):Building Science	5CE184
Engineering- I (Elective):Prestress Concrete Design	5CE142
Engineering Mathematics - III (Elective - I)	3MA106
Engineering Maths I	1 MA101
Engineering Maths I	1 MA103
Engineering Mechanics	1CE 101
Engineering Mechanics(B)	1CE 101
Engineering Mechanics(S)	1CE 101
Engineering Physics (Lab)	2PH102
Engineering Physics (Theory)	1PH101
English Literature	1HS101
Environmental Chemistry & Microbiology	1CE701
Facility planning and Specialized Building Design	7AR215
Fluid Mechanics & Hudraulics	3CE105

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PFD (2) - Preparation

Fluid Mechanics & Hudraulics lab	3CE106
Fundamental of bio-sciences	3PH107
General Seminar	7CE194
General Seminar	EC194
General Seminar	7ME194
Geotechnical Engg-II	5CE118
Geotechnical Investigations & Ground Improvement Techniques	1CE732
Graph Theory & Combinatorics	5CS117
Green Technology	3CH104
Green Technology(RT)	3CH104
Heat transfer	5ME117
Heat transfer lab	5ME118
History of Architecture-II	3AR123
History of Art, Architecture & Culture	1AR103
HSS (Elective)	7HSXXX
Human Settlement & Vernacular Architecture	5AR144
HVDC Power Transmission	1EE644
Image Processing	7CS158
Industrial Drives and Control	1EE616
Industrial Economics and Financial Management	7HS107
Industrial Training (4 to 6 weeks after 6th Sem)	7CE192
Industrial Training (4 to 6 weeks after 6th Sem)	7EE192
Information Security	CS163
Information Thoery and Coding	EC142
Infrastructure Planning	AR602
Innovation, Entrepreneurship & IPR	HS108
Innovation, Entrepreneurship & IPR	7HS108
Inorganic Chemistry-I: bonding and acid-base	CH109
Introduction to Computing	1CS101
Introduction to Computing(S)	1CS101
Introduction to Data Structures & Algorithms	1 MA 112
Introduction to Nano-Plasmonics and nano photonics	PH 603

? (1) - Max. on the question marked

PFD (2) - Preparation

Linear Algebra	3 MA 109
Low Power VLSI Design	EC673
Machine Desgin -1	5ME119
Manufacturing Lab - 1	1ME682
Manufacturing process	3ME104
Manufacturing process lab	3ME105
Material testing lab	5CE119
Materials Science & Technology	3PH103
Materials Science & Technology(AQ)	3PH103
Mathematical Method in Industry	1 MA 612
Mathematical Modelling in Industry	1 MA 611
Mechanical Engineering lab	5ME120
Mechanics,wavesand oscillation,continuum Mechanics	3PH104
Microprocessor & Microcontroller	EE125
Microprocessor & Microcontrollers	5EE125
Microprocessor & Microcontrollers lab	5EE126
Micrprocessor & Microcontroller Lab	EE126
Minor Project-II	CE193
Modern Control Theory	7EE157
Modern manufacturing process	1ME641
Modern Optimization Techniques	1EE618
Modern Power System Operation & Control	1EE632
Modern Power System Operation & Control	7EE632
MOS	3CE107
MOS Device Physics and Modelling	EC661
Nanomaterial synthesis Lab	PH605
Nano-mechanics and Micromachining for MEMS	1PH605
Network Analysis and Synthesis	3EE105A
Non - Conventional Energy System	1EE635
Non-linear Control System	1EE606
Numerical Solution of PDE	1 MA 613
Object Oriented Methodology	3CS105

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PFD (2) - Preparation

Object Oriented Methodology(H)	3CS105
Object Oriented Programming in C++	3 MA 113
OE: Advanced Materials and Tools	7ME167
OE: Power Plant Engineering	7ME164
OE: Renewable Energy system	5ME161
OE: Safety Management	7ME166
Operating Systems	5CS115
Operating Systems Lab	5CS116
Operating Systems(P)	5CS115
Organic Chemistry-I: Reaction Mechanisms and name reactions	CH108
Organizational Behaviour & Industrial Psychology	HS109
Organizational Behaviour & Industrial Psychology	7HS109
Passive & Active Network Analysis & Synthesis	EC110
Pavement Analysis and Design	1CE632
Physical Chem. Lab-I	CH107
Physical Chemistry-I: Physical Properties	CH106
Physics Lab-II	3PH108
Planning Principles & Techniques	AR601
Power Electronics	EE116
Power System - I	5EE118
Power System Protection	7EE121
Power System Protection Lab	7EE122
Power Systems Dynamics & Reliability	7EE158
Probability, Random variable and Stochastic Process	EC601
Production planning and control	1ME642
Programme Lab – I	3 MA 114
Programming lab	3CS106
Quantity Survey & Specifications	5AR146
Regional Analysis and Programming (Elective-II)	AR650
Research methodology	1ME701
River Morphology and Hydraulics	1CE761
Science Society & Ethical Value	1HS105

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PFD (2) - Preparation



Semiconductor Devices	EC107
Semiconductor Devices	3EC107
Semiconductor Devices Lab	3EC108
Semiconductor Materials, Device & characterization	EC672
Seminar & Comprehensive Viva Voce	EC692
Seminar & Comprehensive Viva-I	AR694
Seminar and comprehensive viva-1	3ME695
Seminar and Comprehensive Viva Voce	3CE691
Semiconductor Devices Lab	EC108
Servers & Storage	1IT602
Signal & Systems Analysis(S)	5EC109
Signals & System Analysis	EC109
Sociology and Building Economics	5HS106
Spread Spectrum -techniques	EC647
Statistics & Computer Programming (Elective-I)	MA603
Strength of Material	3ME103
Strength of Material lab	3ME106
Structural Analysis	5CE107
Structure, Form & Architecture	3AR127
Surveying	3CE108
Surveying lab	3CE109
System Modeling and Identification	1EE608
Theory of Elasticity and Plasticity	1CE602
Thermodynamics	3ME107
Tools of Applied Mathematics	MA104
Traffic & Transportation Planning	AR605
Transform Calculus	3MA105
Transportation Engg-I	5CE120
Transportation Engg-I Lab	5CE121
Transportation Planning	1CE631
Urban & Regional Planning Workshop-I	AR691
Urban Design	7AR164

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PFD (2) - Preparation

VLSI and MEMS Technology	EC671
Voice & Video Processing (Elec-IV)	EC152
Water and Wastewater Treatment	1CE702
Web Technology	5IT103
Web Technology Lab	5IT102
Wireless & Mobile Communication (Elec-III)	EC148
Workshop	1ME102

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PFD (2) - Preparation