

Subject	Short
Engineering Physics (Theory)	1PH101
Basic Design II	2AR111
Architectural Graphics II	2AR112
Architectural Graphics II_	2AR112_
Architectural workshop	2AR113
History of Architecture-I	2AR114
Principle of Architecture	2AR115
Engineering Mechanics	2CE101
Engineering Mechanics_	2CE101_
Advanced Design of Concrete and Steel Structures	2CE603
El-IV: Advanced Concrete Technology	2CE604
El-V: Finite Element Method	2CE610
El-III: Structural Dynamics	2CE611
El-V: Reliability Engineering	2CE614
Traffic Engineering and Management	2CE633
El-III: Airport Planning and Design	2CE634
El-V:Traffic Flow Theory	2CE642
El-IV: Highway Subgrade and Foundation	2CE643
El-IV: Pavement Management System	2CE646
El-V: Environmental Impact Assesment	2CE648
Groundwater Engineering	2CE663
El-III: Water Resources System's Planning and Economic Analysis	2CE664
El-V: Reservoir Operation and Planning	2CE668
El-IV: River Pollution and Control	2CE669
El-V: Flood and Droughts Management	2CE675
El-III: Design of Hydraulic Structures	2CE676
El-IV: Contaminant Transport Modeling in Porous Media	2CE677
Advanced Civil Engineering Lab - II	2CE686
Seminar	2CE690
Air and Noise Pollution	2CE703
El-IV: Air Quality Modeling	2CE708

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PFD (2) - Preparation

El-III: Solid Waste Management	2CE712
El-V: Environmental Fluid Mechanics	2CE716
Rock Mechanics and Tunnel Engineering	2CE733
El-III: Soil stabilization	2CE734
El-III: Soil Structure Interaction	2CE738
El-III: Soil Dynamics & Geotechnical Earthquake Engineering	2CE740
El-V: Reinforced Earth and Geotextiles	2CE741
El-IV: Slope Stability and Earthen Dams	2CE743
River Training and Flood Control	2CE762
Chemical Science	2CH101A
Chemical Science_	2CH101A_
Chemical Science Lab	2CH102A
Chemical Science Lab_	2CH102A_
Introduction to Computing	2CS101
Introduction to Computing_	2CS101_
Computing Lab	2CS102
Advanced Database Management System	2CS604
Advanced Computer Lab-II	2CS605
El4: Analysis & Design of Information Systems	2CS624
El5: Information Retrieval	2CS625
El4: Theory of Computer Science	2CS629
El6: Genetic Algorithms	2CS631
El5: Neural Networks	2CS632
El7: Cryptography & Network Security	2CS635
El5: Data Warehousing & Mining	2CS637
El6: Grid and Cluster Computing	2CS640
El6: Advanced Graph Theory	2CS645
El4: Approximation Algorithms	2CS646
El7: Distributed Systems	2CS648
El7: Object Oriented Modeling & Design	2CS649
Elements Of Electrical Engg	2EE101
Elements Of Electrical Engg Lab	2EE102

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PFD (2) - Preparation

Digital Control System	2EE603
DEI: Microcontroller & Embedded System	2EE607
DEI5: Optimal Control Theory	2EE609
DEI: SCADA and Energy Management	2EE611
Process Control	2EE612
Power System Protection	2EE643
DEI7: Flexible AC Transmission	2EE645
DEI5: Power Quality Management	2EE646
DEI5: Smart Grid Design & Analysis	2EE647
DEI6: Power System Dynamics and Stability	2EE650
Advance Electrical Engineering Lab - II	2EE692
Seminar	2EE694
English Literature	2HS101
Communication skill Development & Technical Writing	2HS102
Science Society & Ethical Value	2HS105
Science Society & Ethical Value_	2HS105_
Soft Computing	2IT604
Advanced IT Lab-II	2IT605
EI4: Pattern Recognition	2IT621
EI6: Advanced Data Mining	2IT640
EI5: Ubiquitous Computing	2IT642
EI7: Advanced Information Security	2IT675
Engineering Mathematics - II	2MA102
Numerical Linear Algebra	2MA615
Optimization Technique	2MA616
Statistical Simulation and Data Analysis	2MA617
Computational fluid Dynamics	2MA618
DEI: Finite Element Theory and Application	2MA622
Advance Computational Lab-II	2MA692
Engineering graphics	2ME101
Workshop practice	2ME102
Engineering Physics (Lab)	2PH102

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PFD (2) - Preparation

Architectural Design-II & Field Study	4AR131
Building Construction-II	4AR132
Contemporary Architecture	4AR133
Building Services (Water Supply and Sanitation)	4AR142
Seminar & Comprehensive Viva - II	4AR696
Surveying	4CE103
Surveying(Th)_	4CE103_
Design of Concrete Structures	4CE110
Cement Concrete Lab	4CE111
Geotechnical Engineering - I	4CE112
Geotechnical Engineering - I Lab	4CE113
Environmental Engineering - I	4CE114
Theory of Structure	4CE116
Seminar and Comprehensive Viva Voce	4CE693
Dissertation	4CE694
Green Technology	4CH104A
Green Technology_	4CH104A_
Bio-Science	4CH105A
Computer Organization & Architecture	4CS107
Computer Organization & Architecture_	4CS107_
Database Management Systems	4CS109
Database Management Systems_	4CS109_
Database Management Systems Lab	4CS110
Formal Languages & Automata Theory	4CS111
UNIX Admin and Shell Programming Lab	4CS112
Electrical Machine -II	4EE110
Electrical Machine -II Lab	4EE111
Seminar and Comprehensive Viva - II	4EE696
Industrial Economics & Financial Management	4HS107
OBIP	4HS109
IT Services Management	4IT101
Probability & Statistics for Engineers	4MA107

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PFD (2) - Preparation

Numerical Methods for Engineers	4MA108
Linear Algebra	4MA109
Numerical Tech. & Statistics Method Maths. - IV	4MA115
Mathematic –IV Computing Lab	4MA116
Discrete Mathematics	4MA117
Algebra - I	4MA118
Analysis – I	4MA119
Programing Lab - II	4MA120
Applied Thermodynamics	4ME109
Applied Thermodynamics Lab	4ME110
Fluid Mechanics & Machinery	4ME111
Fluid Mechanics & Machinery Lab	4ME112
Kinematics of Machinery	4ME113
Architecture Design-IV and Field Study	6AR151
Building Construction-IV	6AR152
Housing	6AR153
Building Byelaws and Codes of Practice	6AR155
DEI1 Design for Barrier Free Environment	6AR201
DEI1 Building Software lab	6AR202
DEI1 Vastushastra	6AR203
DEI1 Art In Architecture	6AR204
Concrete Structures	6CE115
Hydrology and Open Channel Flow	6CE123
Hydrology and Open Channel Flow Lab	6CE124
Environmental Engineering - II	6CE125
Environmental Engineering - II Lab	6CE126
Transportation Engineering – II	6CE127
DEI-II: Advanced Soil Mechanics	6CE151
DEI-II: Structural Dynamics	6CE153
DEI-II: Groundwater Engineering	6CE156
Minor Project - I	6CE191
Computer Networks	6CS119

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PFD (2) - Preparation

Computer Networks_	6CS119_
Computer Networks lab	6CS120
Computer Networks Lab	6CS120
Software Engineering	6CS121
Software Engineering_	6CS121_
Software Engineering lab	6CS122
Software Engineering Lab	6CS122
Design & Analysis of Algorithms	6CS123
DE1: Mobile Computing	6CS152
DE1: Soft & Evolutionary Computing	6CS157
DE1: Information Security	6CS171
Power Electronics	6EE116
Power Electronics Lab	6EE117
Power System - II	6EE119
Control System Engineering	6EE122
Microprocessor & Microcontrollers	6EE125
Microprocessor & Microcontrollers Lab	6EE126
DE1: Utilization and Traction	6EE151
DE1: Electrical Drawing, Estimation & Costing	6EE152
DE1: Electrical Machines Design	6EE154
Minor Project-I	6EE191
Industrial Interaction & Soft Skill Development	6GE103
Cloud Computing	6IT105
Building Services (HVAC)	6ME120
Internal Combustion Engine	6ME121
Internal Combustion Engine Lab	6ME122
Machine Design-II	6ME123
Machine Tools & Machining	6ME125
Machine Tools & Machining Lab	6ME126
DE2: Refrigeration & Air Conditioning	6ME145
DE2: Automobile Engineering	6ME147
DE2: Mechanical Vibrations	6ME148

? (1) - Max. on the question marked

PFD (2) - Preparation

EI2: Operations Research	6ME162
EI2: Computational Fluid Dynamics	6ME163
Project Planning and Management	7AR175
Architectural Design-VI & Field Study	8AR171
Working Drawing	8AR172
Landscape Design and Ecological Architecture	8AR173
Disaster Resistance Architecture and Management	8AR174
DEI3 Interior Design	8AR221
DEI3 Building Automation and Management System	8AR223
DEI3 Behavioral Studies in Architecture	8AR224
DEI3 Ergonomics and Product Design	8AR225
Major Project	8CE195
Comprehensive Viva	8CE 196
Major Project	8EE195
Comprehensive Viva	8EE196
Professional Practice, Valuation and Management	10AR193
DEI4 Energy Conscious Architecture	10AR231
DEI4 Appropriate Building Technology	10AR232
DEI4 Futuristic Architecture	10AR233
DEI4 Marketing skill	10AR234
DEI3 Intelligent Buildings	81AR222
Urban and Regional Planning	AR604
Development Management and Finance	AR608
Planning Legislation and Professional Practice	AR648
EI3 City and Metropolitan Planning	AR649
EI3 Housing and Community Planning	AR652
EI3 Heritage and Urban Conservation	AR653
EI4 Sustainable Development	AR654
EI4 Remote Sensing and GIS in Planning	AR655
EI4 Resilient Urban Planning	AR656
Urban & Planning Workshop-II	AR692
Seminar	AR693

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PFD (2) - Preparation

Eel-II: Earthquake Resistant Structures	CE176
Chemical Thermodynamics	CH110
Organic Chemistry II	CH111
Organic Chemistry Lab -1	CH112
Inorganic Chemistry II	CH113
Inorganic Chemistry Lab-1	CH114
Elements of Electronics Engg.	EC101
Elements of Electronics Engg. Lab	EC102
Digital Logic and Circuits	EC103
Electromagnetic Field Theory	EC105
Analog Electronics	EC111
Digital & Analog Electronics Lab	EC112
Digital Signal Processing	EC117
Digital Communication	EC119
Digital Communication Lab	EC120
VLSI Design	EC121
VLSI Design Lab	EC122
DEI2-2_1: Optical Fiber Communication/Optoelectronics Devices and systems	EC144/EC644
DEI2-2_2: Adaptive Signal Processing	EC147
Wireless & Mobile Communication	EC148
Communication Networks	EC149
Minor Project-I	EC191
Mobile Communication System	EC604
Advanced Electronic Lab-II	EC605
EI4: Remote Sensing	EC625
EI5: Speech Processing and Application	EC629
EI6: Microwave Circuits & Systems	EC633
EI7: Detection & Estimation Theory	EC637
EI?: Optoelectronics Devices and systems	EC644
Analysis and Design of Analog Integrated Circuits	EC664
Analog – Mixed Signal Lab	EC665
EI4: DSP in VLSI	EC679

? (1) - Max. on the question marked

PFD (2) - Preparation

EI5: Testing and Testability	EC681
EI6: RF IC Design	EC690
Seminar	EC691
Seminar & Comprehensive Viva Voce	EC694
EI7: Embedded System Design	EC699
EI4: Fuel Cell Technology	ME612
EI6: Gas Dynamics	ME624
EI5: Combustion generated pollution	ME626
Design of Thermal System	ME631
EI4: Advanced Refrigeration	ME633
EI7: Fuel & Combustion	ME634
EI6: Turbo machine	ME635
EI7: Power Plant Engineering	ME636
EI5: Advanced Gas Turbine	ME638
EI5: Advance Fluid Mechanics	ME639
Computer Integrated Manufacturing	ME643
EI6: Quality Engineering	ME650
EI6: Advanced Fabrication Technology	ME651
EI7: Metal forming & casting	ME653
EI4: Nanotechnology & Micro-machining	ME654
EI4: Mechatronics	ME655
EI5: Supply Chain & Logistics Management	ME656
EI7: Machining Science	ME657
Advanced Mechanical Engineering Lab - II	ME684
Manufacturing Lab - II	ME685
Advanced MOS lab - 2	ME689
Seminar	ME694
Seminar & Comprehensive Viva - II	ME696
Research Methodology	ME701
Computer graphics for Mechanical Design	ME723
EI7: Advanced Theory of Vibrations	ME727
EI6: Fracture Mechanics	ME729

? (1) - Max. on the question marked

PFD (2) - Preparation

EI6: Micro Electro Mechanical Systems	ME730
EI4: Reverse Engineering & Rapid Prototyping	ME733
EI4: Mechanics of Composite Materials	ME734
EI5: Robotics	ME735
EI5: Instrumentation & Automatic Control Systems	ME736
EI5: Product Life Cycle Management	ME737
Thermodynamics	PHXX01
Electricity and Magnetism	PHXX02
Quantum Mechanics	PHXX03
Physics Lab	PHXX04

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PFD (2) - Preparation