

Semester 1

- Law for Engineers [Human Social Sciences & Management Courses]

Course Code : LAW132

- Sociology for Engineers [Human Social Sciences & Management Courses]

Course Code : SOC104

- Engineering Mechanics [Engineering Sciences Courses]

Course Code : ES101

- Introduction to Computers and Programming in C [Engineering Sciences Courses]

Course Code : ES202

- Workshop Practices [Engineering Sciences Courses]

Course Code : ES107

- Applied Mathematics- I [Basic Sciences Courses]

Course Code : MA11114

- Engineering Physics [Basic Sciences Courses]

Course Code : PHYS132

- Technical Communication – I [Communication Skills]

Course Code : BC105

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

Semester 2

- Aspects of Indian History for Engineers [Human Social Sciences & Management Courses]

Course Code : HIS138

- Economics for Engineers [Human Social Sciences & Management Courses]

Course Code : ECD132

- Basic Electrical Engineering [Engineering Sciences Courses]

Course Code : ES103

- Engineering Graphics Lab [Engineering Sciences Courses]

Course Code : ES104

- Introduction to Environmental Studies [Engineering Sciences Courses]

Course Code : EVS104

- Applied Mathematics - II [Basic Sciences Courses]

Course Code : MA11122

- Engineering Chemistry [Basic Sciences Courses]

Course Code : CHEM136

- Technical Communication – II [Communication Skills]

Course Code : BC106

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

Semester 3

- Term Paper [Supervised Independent Learning/ Non-Teaching Credit Courses]

Course Code : ETP100

- Basic Electronics Engineering [Engineering Sciences Courses]

Course Code : ES201

- Material Science [Engineering Sciences Courses]

Course Code : MATS201

- Object Oriented Programming Using C++ [Engineering Sciences Courses]

Course Code : ES203

- Data Structures Using C [Core Courses]

Course Code : CSIT124

- Digital Electronics and Computer Organization [Core Courses]

Course Code : CSE207

- Applied Mathematics- III [Basic Sciences Courses]

Course Code : MATH211

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

Semester 4

- Self-Reliance and Socialization [Human Social Sciences & Management Courses]

Course Code : BS207

- Basic Simulation Lab [Engineering Sciences Courses]

Course Code : ES204

- Discrete Mathematical Structures [Core Courses]

Course Code : CSE208

- Java Programming [Core Courses]

Course Code : IT201

- Operating System [Core Courses]

Course Code : CSE202

- Theory of Computation [Core Courses]

Course Code : CSE204

- Applied Mathematics-IV [Basic Sciences Courses]

Course Code : MATH242

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

Semester 5

- In-House Practical Training [Supervised Independent Learning/ Non-Teaching Credit Courses]
Course Code : ETP1100
- Embedded Robotics Programming [Specialisation Electives for Minor Degree (Robotics)]
Course Code : ECE329
- Network Management and Security [Specialisation Electives for Hons. (Networks and Information Security)]
Course Code : IT310
- R Programming [Specialisation Electives for Hons. (Data Science and Analytics)]
Course Code : CSE437
- Linux for Devices [Specialisation Electives for Hons. (Cloud Computing)]
Course Code : CSE438
- Immersive Technologies [Specialisation Electives for Hons. (Augmented and Virtual Reality)]
Course Code : CSE332

Semester 6

- Robotics - Modeling and Control [Specialisation Electives for Minor Degree (Robotics)]
Course Code : ECE432
- Data Encryption and Compression [Specialisation Electives for Hons. (Networks and Information Security)]
Course Code : IT311
- Introduction to AI and ML [Specialisation Electives for Hons. (Data Science and Analytics)]
Course Code : CSE326
- Cloud Computing Architect [Specialisation Electives for Hons. (Cloud Computing)]
Course Code : CSE325
- Concepts of Virtual and Augmented reality [Specialisation Electives for Hons. (Augmented and Virtual Reality)]
Course Code : CSE330
- Deep Learning and Neural Network [Specialisation Electives for Hons. (Artificial Intelligence and Machine Learning)]
Course Code : AIML302

- Fundamentals of Data Analytics [Specialisation Electives for Hons. (Artificial Intelligence and Machine Learning)]

Course Code : AIML301

- Cloud Computing Practitioner [Specialisation Elective Courses]

Course Code : CSE314

- Fundamentals of Mobile Computing [Specialisation Elective Courses]

Course Code : CSE305

- Machine Learning: Theory and Applications [Specialisation Elective Courses]

Course Code : AIML202

- Microprocessors and Interfacing [Specialisation Elective Courses]

Course Code : ECE303

- Open Source Application Development Technologies [Specialisation Elective Courses]

Course Code : IT405

- Principal of Programming Language [Specialisation Elective Courses]

Course Code : CSE404

- Real Time Operating System [Specialisation Elective Courses]

Course Code : CSE422

- Advanced Java Programming [Specialisation Elective Courses]

Course Code : IT404

- Cloud Computing Practitioner [Specialisation Elective Courses]

Course Code : CSE314

- Computer Graphics [Specialisation Elective Courses]

Course Code : CSE203

- Deep Neural Networks [Specialisation Elective Courses]

Course Code : AIML203

- Distributed System [Specialisation Elective Courses]

Course Code : CSE311

- Generative Artificial Intelligence (Generative AI) [Specialisation Elective Courses]

Course Code : AIML303

- Graph Theory and Applications [Specialisation Elective Courses]

Course Code : CSE403

- Routing and Switching in Networks [Specialisation Elective Courses]

Course Code : IT308

- Programming & Employability Skills for Computer Engineers [Employability & Skill Enhancement Courses]

- Machine Learning with Python [MOOC (Amity On - line / NPTEL / SWAYAM / Future Learn)]

Course Code : SMO313

- The Joy of Computing using Python [MOOC (Amity On - line / NPTEL / SWAYAM / Future Learn)]

Course Code : SMO301

- Aptitude and Reasoning Ability [Employability & Skill Enhancement Courses]

Course Code : SKE301

- Analysis and Design of Algorithms [Core Courses]

Course Code : CSE303

- Database Management Systems [Core Courses]

Course Code : CSE201

- Exploring the Networks [Core Courses]

Course Code : IT307

- Cognitive Skills, Leadership and Decision Making [Behavioural Science]

Course Code : BS309

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

Course Code : SKE309

- Artificial Intelligence [Core Courses]

Course Code : CSE401

- Compiler Construction [Core Courses]

Course Code : CSE304

- Software Engineering [Core Courses]

Course Code : IT301

- Professional Ethics and Social Responsibility [Professional Ethics]

Course Code : PPE301

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

Semester 7

- Industry Internship [Supervised Independent Learning/ Non-Teaching Credit Courses]

Course Code : ETB100

- Minor Project [Mandatory Courses]

Course Code : ETMN100

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

Semester 8

- Major Project [Supervised Independent Learning/ Non-Teaching Credit Courses]

Course Code : ETM100

- Web Data Mining [Specialisation Electives for Hons. (Data Science & Analytics)]

Course Code : CSE455

- Cloud Security & Administration [Specialisation Electives for Hons. (Cloud Computing)]

Course Code : CSE458

- Mathematical Modelling and Computer Aided Engineering [Specialisation Electives for Hons. (Augmented and Virtual Reality)]

Course Code : CSE456

- Applied Artificial Intelligence [Specialisation Electives for Hons. (Artificial Intelligence and Machine Learning)]

Course Code : AIML402

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :