

Semester 1

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

Course Code : HIST138

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

Course Code : ECON132

- 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

Semester 2

- 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 - II [Basic Sciences Courses]

Course Code : MATH122

- Engineering Physics [Basic Sciences Courses]

Course Code : PHYS132

- Technical Communication – II [Communication Skills]

Course Code : BC106

- Applied Mathematics- I [Basic Sciences Courses]

Course Code : MATH114

- Engineering Chemistry [Basic Sciences Courses]

Course Code : CHEM136

- Technical Communication – I [Communication Skills]

Course Code : BC105

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

- 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
- Digital Logic and Computer Architecture [Engineering Sciences Courses]
Course Code : ES208
- Object Oriented Programming Using C++ [Engineering Sciences Courses]
Course Code : ES203
- Data Structures Using C [Core Courses]
Course Code : CSIT124
- Programming in Python [Core Courses]
Course Code : CSE205
- Applied Mathematics- III [Basic Sciences Courses]
Course Code : MATH211

Semester 4

- Exploring the Networks [Industry Specific Courses]
Course Code : IT307
- Introduction to Cloud Computing [Industry Specific Courses]
Course Code : IT423
- Machine Learning: Theory and Applications [Industry Specific Courses]
Course Code : AIML202
- Self-Reliance and Socialization [Human Social Sciences & Management Courses]
Course Code : BS207
- Basic Simulation Lab [Engineering Sciences Courses]
Course Code : ES204
- Database Management Systems [Core Courses]
Course Code : CSE201

Course Code : MATH211

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

- Java Programming [Core Courses]

Course Code : IT201

- Operating System [Core Courses]

Course Code : CSE202

- 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 :

Semester 5

- In-House Practical Training [Supervised Independent Learning/ Non-Teaching Credit Courses]
Course Code : ETPT100
- 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)]

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
- 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

- Cyber and Information Security [Specialisation Elective Courses]

Course Code : IT425

- Deep Neural Networks [Specialisation Elective Courses]

Course Code : AIML203

- Discrete Mathematical Structures [Specialisation Elective Courses]

Course Code : CSE208

- Distributed System [Specialisation Elective Courses]

Course Code : CSE311

- Green Computing [Specialisation Elective Courses]

Course Code : CSE433

- Intelligent Systems and design thinking [Specialisation Elective Courses]

- Computer Graphics [Specialisation Elective Courses]

Course Code : CSE203

- Data Center Virtualization [Specialisation Elective Courses]

Course Code : CSE440

- Data Mining and Business Intelligence [Specialisation Elective Courses]

Course Code : IT402

- Deep Neural Networks [Specialisation Elective Courses]

Course Code : AIML203

- Information Assurance and Security [Specialisation Elective Courses]

Course Code : IT303

- Linux for Devices [Specialisation Elective Courses]

Course Code : CSE438

- Machine Learning and Computer Vision [Specialisation Elective Courses]

- Introduction to Python
[Specialisation Elective Courses]

Course Code : ECE319

- IT Infrastructure Management
[Specialisation Elective Courses]

Course Code : IT304

- Mobile Application Development
[Specialisation Elective Courses]

Course Code : IT305

- System Programming
[Specialisation Elective Courses]

Course Code : IT411

- Web Technologies [Specialisation Elective Courses]

Course Code : IT302

- An Introduction to Internet of Things [MOOC (Amity On - line / NPTEL / SWAYAM / Future Learn)]

Course Code : SMO402

- Discrete Mathematics - NPTEL [MOOC (Amity On - line / NPTEL / SWAYAM / Future Learn)]

Course Code : SMO442

- Optimization Methods
[Specialisation Elective Courses]

Course Code : CSE444

- Parallel Computing
[Specialisation Elective Courses]

Course Code : CSE411

- Routing and Switching in Networks [Specialisation Elective Courses]

Course Code : IT308

- Programming and Employability Skills [Employability & Skill Enhancement Courses]

Course Code : SKE302

- Artificial Intelligence [Core Courses]

Course Code : CSE401

- Full Stack Development [Core Courses]

Course Code : IT432

- Software Project Management [Core Courses]

Course Code : CSE432

- Professional, Ethical and Social

Course Code : SMO442

- Exploring the Networks [Industry Specific Courses]

Course Code : IT307

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

Course Code : SKE301

- Analysis and Design of Algorithms [Core Courses]

Course Code : CSE303

- Data Communication and Computer Networks [Core Courses]

Course Code : CSE302

- Software Engineering [Core Courses]

Course Code : IT301

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

Course Code : BS309

- Professional Ethics and Social Responsibility [Professional Ethics]

Course Code : PFE301

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :

- 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 : ETII100

- 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 : ETMJ100

- Database Security and Access Control [Specialisation Electives for Hons. (Networks and Information Security)]

Course Code : IT434

- Real-Time Cyber Threat Detection and Mitigation [Specialisation Electives for Hons. (Networks and Information Security)]

Course Code : IT436

- Security Assessment and Risk Analysis [Specialisation Electives for Hons. (Networks and Information Security)]

Course Code : IT435

- Analysing, Visualizing and Applying data science with python [Specialisation Electives

for Hons. (Data Science & Analytics)]

Course Code : CSE454

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

Course Code : CSE453

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

Course Code : CSE455

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

Course Code : AIML401

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

Course Code : AIML402

- Soft Computing and Applications
[Specialisation Electives for Hons.

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

Course Code : AIML402

- Soft Computing and Applications
[Specialisation Electives for Hons.
(Artificial Intelligence and
Machine Learning)]

Course Code : CSE320

- Foreign Business Language

Course Code :

- Open Elective Courses

Course Code :

- Outdoor Activity Based Courses

Course Code :