



ADARSH MANAGEMENT INSTITUTE OF INDIA

B.Tech in Information Technology Engineering

Course Name: B.Tech Information Technology Engineering

Duration: 4 Years

Eligibility: 10+2(PCM)

Lateral Entry: Candidate who has three year diploma after 10th can enroll for 3rd Semester of B.Tech. Candidate who has completed B.Sc(PCM) can enroll for 3rd Semester of B.Tech.

First Semester	Second Semester
1. Engineering Mechanics 2. Basic Electrical and Electronics Engineering 3. Computer Programming 4. Project – 1 5. Applied Physics – 1 6. Applied Chemistry -1	1. Engineering Drawing 2. Applied Mathematics – 2 3. Applied Physics – 2 4. Applied Chemistry – 2 5. Communication Skill – 2 6. Computer programming 2 7. Applied Mathematics – 1
Third Semester	Fourth Semester
1. Applied Mathematics III 2. Data Structure & Algorithms 3. Electronic Devices & Circuits 4. Digital Logic Design & Application 5. GUI & Database Management 6. Communication & Presentation Techniques	1. Computational Mathematics 2. Principles of Communication 3. Microprocessors & Microcontrollers 4. Internet Programming 5. Networking technology for digital devices 6. Financial accounting & Management of technology innovation
Fifth Semester	Sixth Semester
1. Operating System for Computational Devices 2. Computer Graphics and Virtual Reality Systems 3. Convergence of Technologies and Networking in Communication 4. Manufacturing processes, Planning and Systems 5. Object Oriented Analysis and Design 6. Environmental Studies 7. Open Source Software Laboratory	1. Information and Network Security 2. Middleware and Enterprise Integration Technologies 3. Software Engineering 4. Data Base Technologies 5. Programming for Mobile and Remote Computers 6. Information Technology for Management of Enterprise
Seventh Semester	Eighth Semester
1. Data Warehousing, Mining & Business Intelligence 2. Digital Signal & Image processing	1. Information Storage Management and Disaster Recovery 2. Gaming Architecture and programming

3. Simulation and Modeling 4. Software testing & Quality Assurance 5. Elective – I 6. Project - I	3. Software Project Management 4. Elective - II 5. Project - II
ELECTIVE-I	ELECTIVE-II
1. Wireless Network 2. Multimedia Systems 3. Evolutionary Algorithms 4. IT in Construction 5. Nanotechnology 6. Geographical Information Systems 7. Artificial Intelligence	1. Cloud Computing 2. IT for Health Care 3. Service Oriented Architecture 4. E-Government 5. ERP & CRM 6. Mobile & Ecommerce 7. Robotics and Machine Intelligence