



ADARSH MANAGEMENT INSTITUTE OF INDIA

B.Tech.in Electrical and Electronics Engineering

Course Name: B.Tech in Electrical and Electronics 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. Communicative English I 2. Physics 3. Calculus, Matrix Algebra 4. Electrical Engineering 5. Computer Programming 6. Engineering Mechanics 7. Engineering Drawing I	1. Humanities Elective I 2. Chemistry 3. Vector Calculus and Ordinary Differential Equations 4. Electronics Engineering 5. Object Oriented Programming 6. Introduction to Thermodynamics 7. Engineering Drawing II
Third Semester	Fourth Semester
1. Integral Transforms and Complex Analysis 2. Electric Circuits 3. Digital Systems 4. Mechanical Engineering 5. Science Elective I 6. Humanities Elective I 7. Simulation Lab and Electrical Workshop	1. Mathematical Statistics and Numerical Methods 2. Electrical Measurements and Instrumentation 3. Electrical Machines I 4. Electromagnetic Theory 5. Science Elective II 6. Humanities Elective II 7. Soft Skills I
Fifth Semester	Sixth Semester
1. Introduction to Microcontrollers and Applications 2. Electronic Circuits II 3. Microprocessors 4. Analog Communication 5. Control Engineering 6. Electronic Circuits Lab II 7. Soft Skills II	1. VLSI Design 2. Digital Communication 3. Transmission Lines and Radiating Systems 4. Elective I - Non Conv. Energy Sources 5. Environmental Studies 6. Digital Communication Lab 7. Soft Skills III

Seventh Semester	Eighth Semester
1. Power System Protection and Switchgear 2. Electrical Drives and Control 3. Environmental Studies 4. Elective II- EHVAC and HVDC TRANS 5. Elective III- Database Management Systems 6. Principles of Management	1. Elective IV - Software Engineering 2. Management Elective 3. Project
ELECTIVE-I & II	ELECTIVE-III & IV
1. Non Conv. Energy Sources 2. I.T. and its app. in P.S. control 3. FUZZY LOGIC and neural networks 4. FLEX A.C. Transmission systems 5. Entrepreneurship Devp. 6. EHVAC and HVDC TRANS 7. E.I.D. 8. Adv. Micro. PERI 9. BIOMED. Engg. 10. DSP 11. OPT. TECH.	1. Database Management Systems 2. Software Engineering 3. Design and Analysis of Algorithms 4. Disaster Management 5. Project Management 6. Engineering Risk – Benefit Analysis 7. Infrastructure Systems Planning 8. Planning for Sustainable Development 9. Managing Innovation and Entrepreneurship 10. Global Strategy and Technology 11. Knowledge Management