AICTE-ISTE STTPs

Topics

Civil Engineering

- 1. Computer aided design of structures
- 2. Earthquake engineering
- 3. Construction project management
- 4. Highway engineering
- 5. Structural engineering
- 6. Soil & water conservative engineering
- 7. Geo technology
- 8. Environmental engineering & management
- 9. Geo informatics
- 10. Town & country planning
- 11. Hydraulics
- 12. Foundation engineering

Mechanical

- 1. Computational analysis in mechanical science
- 2. Mechatronics
- 3. Process instrumentation
- 4. Production engineering & engineering design
- 5. Farm machinery
- 6. Turbo machinery
- 7. Industrial automation & robotics
- 8. Tool design
- 9. Heat power engineering
- 10. CAD/CAM
- 11. Advanced materials technology
- 12. Design of mechanical systems
- 13. Flexible manufacturing systems
- 14. Finite element analysis

Electrical

- 1. Electrical devices & power systems
- 2. Electrical machines
- 3. Power system & control
- 4. Electrical energy systems
- 5. High voltage engineering
- 6. Embedded systems
- 7. Electrical systems operation and control
- 8. Power systems operation and control
- 9. High voltage DC transmitters
- 10. Soft computing techniques
- 11. Advanced control system

Electronics

- 1. Applied electronics
- 2. Bio medical electronics
- 3. Communication systems
- 4. Micro and nano electronics
- 5. Microwave and radar engineering
- 6. Digital signal processing
- 7. Digital systems and computer engineering
- 8. Remote sensing
- 9. Embedded system & VLSI
- 10. Wired & wireless communication
- 11. Medical and electronics

Computer Science & Information Technology

- 1. Hardware maintenance and networking
- 2. Computer integrated manufacturing
- 3. Multimedia & software engineering
- 4. Image processing
- 5. Web technologies
- 6. Computer vision & robotics
- 7. Computer application in industrial drives
- 8. Computer networks
- 9. Computer software technologies
- 10. Information security
- 11. Information and communication technology
- 12. Information security management
- 13. Software engineering

Other Areas

- 1. Automobile Technology
- 2. Nano Technology
- 3. Aerospace engineering
- 4. Bio technology
- 5. Textile processing technology
- 6. Food technology
- 7. Green technology
- 8. Printing technology
- 9. Project management
- 10. Polymer Technology
- 11. Pharmaceutical chemical technology
- 12. Marine engineering
- 13. Architecture & interior design
- 14. Chemical engineering
- 15. Hotel Management
- 16. Public Administration

English

- 1. Intensive and extensive listening skills
- 2. Motivational techniques in teaching of English
- 3. Pattern manipulation drills
- 4. Problem and solution while teaching English as a 2nd language
- 5. Various language skills and their inter relationship

Basic Sciences

i. Maths

- 1. Random process queing theory and application
- 2. Fuzzy logic and application
- 3. Numerical methods and MATLAB
- 4. Application of group theory in engineering

ii. Physics

- 1. Nano sciences & technologies
- 2. Material science
- 3. Nuclear physics
- 4. Optical engineering

iii. Chemistry

- 1. Environmental awareness
- 2. Instrumentation methods
- 3. Plastic technology
- 4. Corrosion chemistry
