B.S. Engineering Technology

The B.S. Engineering Technology programme is designed to prepare professionals employed in technical positions in a diverse spectrum of engineering industries, with an appropriately broad background for later advancement into technical or management positions.

Students in this programme develop knowledge and competencies in the foundations of engineering, manufacturing methods, management of the industrial organization, effective communication, and the application of mathematics and scientific principles to understand and solve technological problems found in industry.

The curriculum for the B.S. Engineering Technology programme has been benchmarked and redesigned recently, with a stronger set of foundation courses and discipline courses, and several electives.

Eligibility: Employed professionals in Engineering industries with minimum 2 years relevant work experience, and holding a Technical Diploma / B.Sc. or its equivalent, with adequate background in Mathematics. Employer consent with suitable Mentor availability will be additional requirements.

Normal Duration: Six Semesters

Curriculum Requirements:

Completion of the B.S. Engineering Technology programme would require at least 22 courses and 1 Project Work totaling at least 80 units.

Foundation Courses	: 10 courses
Discipline Core	: 8 courses
Discipline Electives	: 4 courses
Coursework sub total	: 22 courses
Project Work	: 10 units

Programme Chart for B.S. Engineering Technology

Year	First Semester	Second Semester
I	• Calculus • Computer Oriented Problem Solving • Electrical & Electronics Technology • Engineering Materials	• Engineering Measurements • Linear Algebra & Optimization • Mechanical Technology • Probability & Statistics
II	• Engineering Design • Manufacturing Processes • Materials Management • Production Planning & Control	• Essentials of Project Management • Instrumentation & Control • Maintenance & Safety • Quality Control Assurance & Reliability
III	• Electives (4)	• Principles of Management • Technical Report Writing • **Project**

Pool of Electives

S.No.	Course Title
1.	Energy Management
2.	Environmental Pollution Control
3.	Flexible Manufacturing Systems
4.	Management Information Systems
5.	Manufacturing Excellence
6.	Mechatronics & Automation
7.	Plant Layout & Design

Note: This is the suggested semesterwise pattern of courses, subject to change if the situation warrants.