

B.TECH. (RAIL INFRASTRUCTURE ENGINEERING)

Foundation Courses

Mathematics

Introduction to Spreadsheets

Environmental Studies

Communication & Storytelling

Critical Thinking & Writing

Fuels & Lubrication

Physics

Programming

Engineering Visualization

Workshop Practices Lab

OR Models/Linear Programming

Introduction to Electrical Engineering

Kinetics of Machines

Leadership – Managing Self and Others

Ethics for Engineers

Design Thinking

Entrepreneurship

The Art of Negotiation

Core Courses

Fluid Mechanics with Lab

Principles of Railway Operations

Solid Mechanics with Lab

Structural Dynamics with Lab

Geology Engineering with Lab

Introduction of Bridge Design and Structure

Sociological Contexts of Transportation

RCC Structures with Lab

Theory of Safety and Reliability

Design of Steel Elements with Lab

Engineering Hydrology and Open Channel Flow

Hydraulics with Lab

Track Systems and Design

Geotechnical Engineering with Lab

Transportation Economics

Signalling Systems for Railways