



# Fundamental of Railway Signalling

## What is Fundamental Railway Signalling?

Fundamental railway signalling training ensures a safety-first approach, equipping participants with the essential knowledge of signaling systems and protocols to prevent accidents and safeguard passengers and staff, while also fostering operational efficiency through the mastery of signal interpretation and movement coordination, ultimately contributing to a smoother and more reliable railway system.

## Training Outcomes

- Understand the signalling principles such as block signalling systems and interlocking.
- Develop a heightened awareness of safety considerations related to railway signalling.
- Acquire technical proficiency in the operation, maintenance, and troubleshooting.
- Acknowledge in the regulatory requirements and standards governing railway signalling.
- Equipped with signalling knowledge and skills to contribute in improving efficiency and reliability of railway operations.

# Training Modules

Duration: 3 days

## MODULES

- Introduction to Railway Signalling
- Basic Signalling Principles
- Track Circuits and Train Detection
- Interlocking Systems
- Point and Switch Systems
- Signal Design and Layout
- Automatic Train Supervision System
- Communications in Railway Signalling
- Signalling Power Supply Systems
- Safety and Reliability in Signalling


## Who Should Attend the Course?

- Engineers;
- Executives;
- Technicians;
- New Recruitments; and
- Academic staffs.

## Why You Should Join?

- Gain comprehensive knowledge of signalling systems, including their components, functions, and principles.
- Develop a reliable railway signalling personnel that equipped with technical knowledge and skills.
- Acquire the skills to interpret different types of signals accurately.
- Produce a strong emphasis on safety protocols and procedures essential for railway operations.

## Contact us

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