



Indian Railways Institute of Mechanical & Electrical Engineering
Government of India – Ministry of Railways
(AN ISO 9001:2015, ISO 14001:2015, ISO 50001:2011 CERTIFIED INSTITUTE)



TRAINING CALENDAR

2022-2023

ABOUT IRIMEE

Indian Railways Institute of Mechanical and Electrical Engineering (IRIMEE) is the oldest CTI of Indian Railways. It was originally set up in 1888 as the Technical School of the Railway Locomotive Workshop, Jamalpur by the East India Railway (EIR).

The first train of EIR, filled to capacity, was flagged off on August 15, 1854, from Howrah to Hooghly, a distance of 24 miles. The railway grew very rapidly to Jamalpur in 1861. Jamalpur was near Munger, a manufacturing town considered in those days to be "Birmingham of the East". Initially Jamalpur was only a steam loco changing station and light repairs to the locomotives were done in the running shed. The original locomotive workshop of EIR was located at Howrah. It was shifted to Jamalpur on 8th February 1862.

The workshop started with around three-and-a-half thousand men and expanded quickly to more than twenty thousand men. A night school was initially started for training apprentices. However, in 1888, EIR established a Technical School at the workshop, where the Trade Apprentices Scheme was started for imparting specialized on the job training in mechanical engineering and steam locomotives.

An Apprentice Mechanics scheme was started at this school in 1905, for Anglo-Indians. On the completion of this five-year apprenticeship, the apprentice mechanics were appointed as Assistant Foremen or Assistant Superintendents on the EIR. The scheme was extended in 1911 to cover other Indians.

The first decade of the twentieth century was a period of intense political activity in India when the demands for indianization of Civil Services proliferated. The Royal Commission on the Superior Civil Services in India under the Chairmanship of Lord Lee submitted its report in 1924 recommending the setting up of a Public Service Commission. The first Public Service Commission was set up on October 1, 1926 under the Chairmanship of Sir Ross Barker. This was as the Federal Public Service Commission (1935) and after Independence, accorded Constitutional status as the autonomous entity known as Union Public Service Commission in 1950.

Selections were held for the flagship Special Class Railway Apprenticeship Scheme by the Public Service Commission in 1926 and the first batch of these apprentices joined the Technical School on February 14, 1927. From 1st April 1974, the administrative control of Technical School was transferred from Eastern Railway to the Railway Board. The Technical School was then renamed as Indian Railways Institute of Mechanical and Electrical Engineering (IRIMEE).

From 1991, training of IRSME Probationers has been centralized at IRIMEE Jamalpur.

TRAINING FACILITIES

IRIMEE has air-conditioned classrooms equipped with modern teaching aids such as overhead LCD projectors, computers connected to the internet through a LAN. There are model rooms for Carriage & Wagon, Train Lighting and Air conditioning in coaches, Freight, Air-brake systems, 140 Tonne Crane, ALCO Locomotives and High horsepower Locomotives. It has an excellent Mechatronics Lab, CNC trainer Machines and a Bio-diesel lab.

IRIMEE has a well-stocked library with about 17,000 books on technical, scientific and management subjects. It also subscribes to over 30 Indian and foreign periodicals and journals. It has a collection on educational CD ROMs and video films.

GUIDELINES FOR CONTROLLING OFFICERS

1. Use the internet-based system the link to which has been already sent to the Chief Mechanical engineers of the Zonal Railways and Pus, to nominate the trainee officer/supervisor.
2. The trainees should be informed well in advance about their nominations to enable them to plan their journey to Jamalpur. The availability of emergency quota at Jamalpur is very limited and last-minute confirmations might be difficult.
3. Please check the official website of IRIMEE three days before the beginning of the course for any information regarding cancellation/rescheduling of courses.
4. Accommodation for supervisors and officers up to senior scale will be made on twin-sharing basis. Officers in SAG/SG/JAG will be given single rooms, based on availability.
5. It will be difficult to accommodate families at the hostels in IRIMEE. This must be made very clear to the officer/supervisor.
6. Trainee officers should not bring personal staff. No accommodation will be provided to such staff.
7. Trainee officers should be told to bring their laptops as most of the course material is made available in soft copy only. Trainees coming for courses can be returned if they do not bring a laptop.
8. IRIMEE has multiple sports facilities. Trainee officers/supervisors should bring their personal sports equipment for using these facilities.
9. The climate of Jamalpur can be very hot in summers and very cold in winters and wet in the summer monsoons. This should be kept in mind while packing.

10. Trainees will have to make payment for mess charges in cash.
11. Please send vehicle requirements for pick up one day advance to CI(DSL) at 7070897971.

ADVANCE INTIMATION OF NOMINATION

Please send the nominations to IRIMEE using the link to internet-based system for nomination at least two weeks in advance. This is required for planning of accommodation and teaching facilities. Online nomination facilities for courses are now available which can be sent through URL link, already provided to CMEs.

EXAMINATIONS

All trainee officers and supervisors will have to write examinations during or at the end of a course. No leniency will be allowed in this respect.

LEAVE

Leave will normally not be granted during a course.

AWARDS

Toppers of all courses will be felicitated on IRIMEE Annual Day (14th February) subsequent to the completion of the Course.

Details of courses in the year 2022-23 are provided below.

OFFLINE COURSES

Special Course for officers/Probationers	
Officer's Amelioration Course (OAC-1)	11.04.2022 to 30.05.2022
Officer's Amelioration Course (OAC-1)	13.06.2022 to 05.08.2022
Officer's Amelioration Course (OAC-1)	07.11.2022 to 30.12.2022
Common CTI module for Probationers	21.11.2022 to 25.11.2022
Officer's Amelioration Course (OAC-1)	09.01.2023 to 03.03.2023
Mixed Courses for Officers and Senior Supervisors	
Course on Disaster Management	18.04.2022 to 22.04.2022
Course on LHB Coaches – Technical aspects	25.04.2022 to 29.04.2022
Course on Welding Technology & Corrosion	02.05.2022 to 06.05.2022
Course on Wagon & Freight operation in IR	09.05.2022 to 13.05.2022
Course on Transition from Diesel to electric locomotive maintenance	16.05.2022 to 20.05.2022
Course on Engineering Materials, Testing, Certification & Accreditation Systems in IR	23.05.2022 to 27.05.2022
Course on Train lighting and Air conditioning	30.05.2022 to 03.06.2022
Course on Operation and maintenance of HHP Locomotives	06.06.2022 to 10.06.2022

Course on Trainset – Design & Maintenance	13.06.2022 to 17.06.2022
Course on Disaster Management	20.06.2022 to 24.06.2022
Course on Welding Technology & Corrosion	27.06.2022 to 01.07.2022
Course on Transition from Diesel to electric locomotive maintenance	04.07.2022 to 08.07.2022
Course on Distributed power rolling stock	18.07.2022 to 22.07.2022
Course on Engineering Materials, Testing, Certification & Accreditation Systems in IR	18.07.2022 to 22.07.2022
Course on Operation and maintenance of HHP Locomotives	25.07.2022 to 29.07.2022
Course on Trainset – Design & Maintenance	01.08.2022 to 05.08.2022
Course on Disaster Management	08.08.2022 to 12.08.2022
Course on Wagon & Freight operation in IR	22.08.2022 to 26.08.2022
Course on Train lighting and Air conditioning	22.08.2022 to 26.08.2022
Course on Welding Technology & Corrosion	29.08.2022 to 02.09.2022
Course on Transition from Diesel to electric locomotive maintenance	05.09.2022 to 09.09.2022
Course on LHB Coaches – Technical aspects	12.09.2022 to 16.09.2022
Course on Distributed power rolling stock	12.09.2022 to 16.09.2022
Course on Engineering Materials, Testing, Certification & Accreditation Systems in IR	19.09.2022 to 23.09.2022
Course on Operation and maintenance of HHP Locomotives	26.09.2022 to 30.09.2022
Course on Wagon & Freight operation in IR	10.10.2022 to 14.10.2022
Course on Train lighting and Air conditioning	10.10.2022 to 14.10.2022
Course on LHB Coaches – Technical aspects	25.10.2022 to 28.10.2022
Course on Operation and maintenance of HHP Locomotives	01.11.2022 to 04.11.2022
Course on Distributed power rolling stock	01.11.2022 to 04.11.2022
Course On Safety Management and Accident Investigation	14.11.2022 to 18.11.2022
Course on Welding Technology & Corrosion	14.11.2022 to 18.11.2022
Course on Trainset – Design & Maintenance	28.11.2022 to 02.12.2022
Course on Operation and maintenance of HHP Locomotives	28.11.2022 to 02.12.2022
Course on Train lighting and Air conditioning	05.12.2022 to 09.12.2022
Course on Environment and housekeeping management	05.12.2022 to 09.12.2022
Course on LHB Coaches – Technical aspects	12.12.2022 to 16.12.2022
Course on IT portals and applications (IREPS, IRPMS, Shramik Kalyan, eOffice, GeM, COIS, FOIS, IMMS, CMM,FMM, WISE) and DAR Stock Sheet Selections Pay bill	12.12.2022 to 16.12.2022
Course on Welding Technology & Corrosion	19.12.2022 to 23.12.2022
Course on RSP, M&P & Works Programme and Material management, Budgeting & Expenditure Control	19.12.2022 to 23.12.2022
Course On Safety Management and Accident Investigation	09.01.2023 to 16.01.2023
Course on Distributed power rolling stock	16.01.2023 to 20.01.2023
Course on Transition from Diesel to electric locomotive maintenance	16.01.2023 to 20.01.2023
Course on Trainset – Design & Maintenance	23.01.2023 to 27.01.2023
Course on Wagon & Freight operation in IR	23.01.2023 to 27.01.2023
Course on Welding Technology & Corrosion	30.01.2023 to 03.02.2023

Course on Transition from Diesel to electric locomotive maintenance	06.02.2023 to 10.02.2023
Course on Train lighting and Air conditioning	06.02.2023 to 10.02.2023
Course on Mechatronics and Internet of Things	13.02.2023 to 17.02.2023
Course on Distributed power rolling stock	20.02.2023 to 24.02.2023
Course on Operation and maintenance of HHP Locomotives	27.02.2023 to 03.03.2023
Course on Workshop Management & Technology	27.02.2023 to 03.03.2023
Course on Trainset – Design & Maintenance	27.02.2023 to 03.03.2023
Course on Engineering Materials, Testing, Certification & Accreditation Systems in IR	06.03.2023 to 10.03.2023
Course on LHB Coaches – Technical aspects	06.03.2023 to 10.03.2023
Course on RSP, M&P & Works Programme and Material management, Budgeting & Expenditure Control	06.03.2023 to 10.03.2023
Course on Wagon & Freight operation in IR	13.03.2023 to 16.03.2023
Course on Environment and housekeeping management	13.03.2023 to 17.03.2023
Course on Failure Analysis and Investigation of coaching stock	13.03.2023 to 17.03.2023
Course On Safety Management and Accident Investigation	20.03.2023 to 24.03.2023
Course on IT portals and applications (IREPS, IRPMS, Shramik Kalyan, eOffice, GeM, COIS, FOIS, IMMS, CMM,FMM, WISE) and DAR Stock Sheet Selections Pay bill	20.03.2023 to 24.03.2023
Course on Welding Technology & Corrosion	27.03.2023 to 31.03.2023
*Course will be conducted off campus	
Group B Induction Course	
22-BIND-1	22.08.2022 to 30.09.2022
22-BIND-2	23.01.2023 to 03.03.2023
Mandatory course for Direct recruit CMA supervisors	
21-SCMA-1	16.05.2022 to 08.07.2022
21-SCMA-2	28.11.2022 to 20.01.2023
Course for senior supervisors of M&C cadre	
21-SCMS-1	17.10.2022 to 11.11.2022
Junior Engineer Training	
22-JET-2	25.07.2022 to 12.08.2022
22-JET-3	06.03.2023 to 31.03.2023

ONLINE COURSES

Special Courses for Officers and Senior Supervisors	
Course on Train lighting and Air conditioning	04.04.2022 to 08.04.2022
Course on Workshop Management & Technology	11.04.2022 to 15.04.2022
Course on Environment and housekeeping management	11.04.2022 to 15.04.2022
Course on IT portals and applications (IREPS, IRPMS, Shramik Kalyan, eOffice, GeM, COIS, FOIS, IMMS, CMM, FMM, WISE) and DAR Stock Sheet Selections Pay bill	18.04.2022 to 22.04.2022
Course on Trainset – Design & Maintenance	25.04.2022 to 29.04.2022
Course on Workshop Management & Technology	02.05.2022 to 06.05.2022
Course on Distributed power rolling stock	09.05.2022 to 13.05.2022
Course on tenders and contracts	16.05.2022 to 21.05.2022
Course on RSP, M&P & Works Programme and Material management, Budgeting & Expenditure Control	23.05.2022 to 27.05.2022
Course on Environment and housekeeping management	30.05.2022 to 04.06.2022
Course on Environment and housekeeping management	13.06.2022 to 17.06.2022
Course on IT portals and applications (IREPS, IRPMS, Shramik Kalyan, eOffice, GeM, COIS, FOIS, IMMS, CMM, FMM, WISE) and DAR Stock Sheet Selections Pay bill	20.06.2022 to 24.06.2022
Course on tenders and contracts	11.07.2022 to 15.07.2022
Course on RSP, M&P & Works Programme and Material management, Budgeting & Expenditure Control	18.07.2022 to 22.07.2022
Course on LHB Coaches – Technical aspects	18.07.2022 to 22.07.2022
Course on Workshop Management & Technology	25.07.2022 to 29.07.2022
Course on Environment and housekeeping management	01.08.2022 to 05.08.2022
Course on IT portals and applications (IREPS, IRPMS, Shramik Kalyan, eOffice, GeM, COIS, FOIS, IMMS, CMM, FMM, WISE) and DAR Stock Sheet Selections Pay bill	08.08.2022 to 12.08.2022
Course on tenders and contracts	05.09.2022 to 09.09.2022
Course on RSP, M&P & Works Programme and Material management, Budgeting & Expenditure Control	19.09.2022 to 23.09.2022
Course on Workshop Management & Technology	26.09.2022 to 30.09.2022
Course on IT portals and applications (IREPS, IRPMS, Shramik Kalyan, eOffice, GeM, COIS, FOIS, IMMS, CMM, FMM, WISE) and DAR Stock Sheet Selections Pay bill	25.10.2022 to 28.10.2022
Course on tenders and contracts	01.11.2022 to 04.11.2022
Course on RSP, M&P & Works Programme and Material management, Budgeting & Expenditure Control	07.11.2022 to 11.11.2022
Course on Workshop Management & Technology	28.11.2022 to 02.12.2022
Course on tenders and contracts	16.01.2023 to 20.01.2023
Course on tenders and contracts	06.02.2023 to 10.02.2023
Junior Engineer Training	
22-JET-1	18.04.2022 to 13.05.2022

OFF CAMPUS COURSES

Course on PLC/CNC Programming & Industrial Automation/Robotics at IMTMA Bengaluru (22-IMTMA-1)	27.06.2022 to 01.07.2022
Course on PLC/CNC Programming & Industrial Automation/Robotics at IMTMA Bengaluru (22-IMTMA-2)	29.08.2022 to 02.09.2022
Course on PLC/CNC Programming & Industrial Automation/Robotics at IMTMA Bengaluru (22-IMTMA-3)	17.10.2022 to 21.10.2022
Course on PLC/CNC Programming & Industrial Automation/Robotics at IMTMA Bengaluru (22-IMTMA-4)	30.01.2023 to 03.02.2023
* Course on IT portals and applications (IREPS, IRPMS, Shramik Kalyan, eOffice, GeM, COIS, FOIS, IMMS, CMM,FMM, WISE) and DAR Stock Sheet Selections Pay bill at Heavy Haul Institute, DFCCIL, Noida	30.01.2023 to 03.02.2023
*Course on Trainset – Design & Maintenance at Heavy Haul Institute, DFCCIL, Noida	30.01.2023 to 03.02.2023
Course on PLC/CNC Programming & Industrial Automation/Robotics at IMTMA Bengaluru (22-IMTMA-5)	27.03.2023 to 31.03.2023

*Other than the courses mentioned above, IRIMEE will be conducting Lecture series, Webinars and Special courses, the information of which will be communicated to Zonal railways on regular basis

Brief Details on Courses at IRIMEE

Group B Induction Programme for Mechanical Engineers

Group B officers come from the supervisory cadre where their exposure is limited. As officers they need to have cross- functional knowledge across various fields of working in Mechanical Department. This course prepares the officers from any background to take on responsibilities in Manufacturing, Open line and Diesels. They also do a project and go for a field visit.

Eligibility: Group B officers of Mechanical Department.

Mandatory Course for Direct Recruit mechanical Junior Engineers

Directly Recruited Junior Engineers are trained during this course on the wider aspects of working of the mechanical Department in Indian Railways.

Eligibility: Directly recruited supervisors under initial training of Mechanical Department.

Mandatory course for Direct Recruit CMA Supervisors

Directly Recruited Chemical & Metallurgical Assistant (CMAs) are trained during this course on the wider aspects of working of their Department in Indian Railways. They are trained on rubbers and polymers, metallurgy, testing, biodiesels etc. The duration of this course is 8 weeks.

Eligibility: Directly Recruited CMAs during their initial training

Course on LHB

Railway Board has already taken decision to stop production of ICF and to manufacture only LHB coaches. So, LHB coaches will be proliferated to every coaching depot. This course is designed to familiarize participants with the salient features pertaining to designed and maintenance of LHB coaches.

Eligibility: Officers up to JAG of Mechanical Department including supervisors.

Course on HHP Loco

Course for Senior Supervisors (CMS) of M&C cadre

This is a mandatory course for Chemical and Metallurgical Supervisors (CMS). They are trained on the various aspects of working like rubbers and polymers, metallurgy, testing, biodiesels etc.

Eligibility: Chemical and Metallurgical Supervisors

Tender and Contracts of Mech. Deptt.

Mechanical Department is engaged in a getting a large amount of work done through tenders and contracts. Successful tendering and proper contract management requires a special set of skills. This course imparts working knowledge of these skills. The course is participative in nature where trainees are encouraged to share their field experience, apprehensions and problems, some of which are solved in the class.

Eligibility: Officers up to JAG of Mechanical Department including supervisors.

Course for Non-railway officials (RITES, KRCL etc)

This course shall be organized as per requirement

Train lighting & Air Conditioning

This course gives exposure to trainees on electrical aspects of coaches like Air Conditioning, Self-Generating & EOG and power cars. Power & Circuit Diagrams are also covered.

Eligibility: Officers up to JAG of Mechanical Department including supervisors.

Over the last decade major changes have come in the field of Diesel. Traction technology in Indian Railways. This course builds upon basic knowledge of diesel locomotives, HHP maintenance, to update their knowledge with topics specific to HHP Locos.

Eligibility: Officers up to JAG of Mechanical Department including senior supervisors.

Welding Technology and Corrosion

Rolling stock of Indian Railways are being manufactured using welding. This course imparts knowledge to the trainees on welding methods including the more modern processes like stainless steel welding and MIG welding. It also trains the trainees in identifying the different kinds of corrosion, their reasons and preventive strategies.

Environment & Housekeeping Management

This course focuses on solid waste management and pollution control. It discusses the applicability of various laws related to environment & pollution control to Indian Railways.

Eligibility: Officers up to JAG of Mechanical department including supervisors.

Officers Amelioration Course

This course is planned for in service officers ONLY who are updated about the latest technological upgradations in rolling stock production, design and maintenance. Officers are imparted competency to deal with upcoming technical and managerial challenges.

Eligibility: Officers up to SAG of Mechanical Department.

Course on Trainset - Design & Maintenance

This course deals with Vande Bharat trainsets, its design, propulsion system, brake system, communication system and maintenance aspects of trainsets

Eligibility: Officers up to JAG of Mechanical Department including supervisors.

DPRS

This course gives exposes trainees to Power & Control Circuit of EMUs, basic layout of train 18 and aims to give a general idea of all types of Distributed Power Rolling Stock.

Eligibility: Officers up to JAG of Mechanical Department including supervisors.

Course on Freight and Wagon stock

This course exposes trainees to aspect of wagon design, manufacturing and maintenance. The course is conducted by IRIMEE in association with Wagon directorate of RDSO

Eligibility: Officers up to JAG of Mechanical Department including supervisors.

Course on Workshop Technology

This course deals with Workshop technology, process flow, incentive scheme, factory act, workshop accounts etc.

Eligibility: Officers up to JAG of Mechanical Department including supervisors.

Course on disaster management

Course deals topics such as accident manual, disaster and accident classification, ART/ARME/SPART, 140 T crane, duties of staff at accident site etc.

Eligibility: Officers up to JAG of Mechanical Department including supervisors.

Course on RSP, M&P & Works Programme and Material management, Budgeting & Expenditure Control

This course deals with topics related to Rolling Stock Programme, Machinery & Plant, Works Programme, management of material and expenditure control.

Eligibility: Officers up to JAG of Mechanical Department including supervisors.

Course on Transition from Diesel to electric locomotive maintenance

Eligibility: Officers up to JAG of Mechanical Department including supervisors.

Course on Engineering Materials, Testing, Certification & Accreditation Systems in IR

Eligibility: Officers up to JAG of Mechanical Department including supervisors.

Course on PLC/CNC Programming & Industrial Automation/Robotics

Eligibility: Officers up to JAG of Mechanical Department including supervisors.

Course on IT portals and applications (IREPS, IRPMS, Shramik Kalyan, eOffice, GeM, COIS, FOIS, IMMS, CMM, FMM, WISE) and DAR Stock Sheet Selections Pay bill

Eligibility: Officers up to JAG of Mechanical Department including supervisors.