ANNUAL TRAINING CALENDAR 2025-26

डीएमआरसी अकादमी
DMRC Academy

(सीबीसी के राष्ट्रीय मानकों के अंतर्गत प्रत्यायित, एनसीवीईटी द्वारा मान्यता – दोहरी श्रेणी तथा आईएसओ 9001: 2015 प्रमाणित)

(Accredited under CBC's National Standards, Recognition by NCVET – Dual Category and ISO 9001 : 2015 Certified)

डीएमआरसी अकादमी
DMRC Academy

(सीबीसी के राष्ट्रीय मानकों के अंतर्गत प्रत्यायित, एनसीवीईटी द्वारा मान्यता – दोहरी श्रेणी तथा आईएसओ 9001: 2015 प्रमाणित)

(Accredited under CBC's National Standards, Recognition by NCVET – Dual Category and ISO 9001 : 2015 Certified)

ANNUAL TRAINING CALENDAR 2025–26

INDEX

About DMRC Academy

Since its inception, DMRC has realized the need of competency building in rail based urban transportation systems. In its efforts to impart world class training, a dedicated Training Institute was set up & inaugurated on 19th July 2002 in Shastri Park Train Depot of DMRC.

The DMRC Academy is located at relatively quieter but otherwise very well accessible location in Delhi. The Shastri Park Train Depot, DMRC's first maintenance depot, is just adjacent to the DMRC Academy which facilitates hands on exposure to the trainees with in the premises.

Over the years the DMRC Academy has successfully trained over 80,000 employees of DMRC who have been instrumental in efficient and effective working of the organization.

Besides this, the DMRC Academy has honor to train employees from almost all the metros in India as well as overseas trainees.

The DMRC Academy is well equipped with most modern training infrastructure and facilities to impart effective training in a technology enabled learning environment.

The DMRC Academy has also spread its tentacles abroad by training overseas trainees also.

Key insights into the DMRC Academy

- DMRC Academy has been granted dual recognition by the National Council for Vocational Education and Training (NCVET) as both an Awarding Body and an Assessment Agency.

- Is Accredited under Capacity Building Commission's National Standards by NABET.

- Is ISO 9001:2015 accredited for design, development and delivery of training programmes. The DMRC Academy is equipped with state of art training infrastructure, most advanced Simulators for training in the field of operations and maintenance.

- Is a premier training institute in the country which is equipped to impart customized training on all aspects of Project planning, implementation of operations and maintenance of rail based urban transportation systems.

- Has the distinction of developing the staff capabilities and competence building of not only DMRC employees but also employees from other metro systems in India.

- Has expertise in planning and organizing training for all the job profiles for DMRC employees. We also offer customized metro based training for other metros and organizations.

- Also the DMRC Academy has expanded its horizons overseas with the training of MRT Jakarta, Dhaka and Sri Lankan officials.

डीएमआरसी अकादमी
DMRC Academy

Signaling System

S/N	Batch ID	Topic	Planned Dates	Duration	Mode
1.	STC/Signal/01/25	BT – CBTC ATS	15-17 Apr. 2025	03 Days	Offline
2.	STC/Signal/02/25	Nippon ATS	13-15 May 2025	03 Days	Offline
3.	STC/Signal/03/25	Nippon ATP	09-11 Jun. 2025	03 Days	Offline
4.	STC/Signal/04/25	Uninterrupted Power Supply	01-03 Jul. 2025	03 Days	Offline
5.	STC/Signal/05/25	Interlocking Processing Unit (KONTRON)	11-13 Aug. 2025	03 Days	Offline
6.	STC/Signal/06/25	BT – CBTC ATP	01-03 Sep. 2025	03 Days	Offline
7.	STC/Signal/07/25	BT – CBTC Axle Counter (ELS-95)	13-14 Oct. 2025	02 Days	Offline
8.	STC/Signal/08/25	Workshop on Card Replacement	06 Nov. 2025	01 Day	Offline
9.	STC/Signal/09/25	Interfacing of Signaling With P. Way	22-23 Dec. 2025	02 Days	Offline
10.	STC/Signal/10/25	Nippon Axle Counter (ACS-2000)	19-20 Jan. 2026	02 Days	Offline
11.	STC/Signal/11/25	Platform Screen Doors	09-11 Feb. 2026	03 Days	Offline

*Program Briefs at Annexure-A (Pg. No. 10 and 11)

Batch Manager

Sh. M. C. Joshi,
Associate Professor (Signaling),
Mob: 9910375439 , Email: mohan.chandra.joshi@dmrc.org

डीएमआरसी अकादमी
DMRC Academy

ANNUAL TRAINING CALENDAR 2025-26

Telecommunication System

S/N	Batch ID	Topic	Planned Dates	Duration	Mode
1.	STC/Telecom/01/25	Radio System	07-09 Apr. 2025	03 Days	Offline
2.	STC/Telecom/02/25	Clock System	01-03 May 2025	03 Days	Offline
3.	STC/Telecom/03/25	PIDS - PAS System	23-25 Jun. 2025	03 Days	Offline
4.	STC/Telecom/04/25	Uninterrupted Power Supply	01-03 Jul. 2025	03 Days	Offline
5.	STC/Telecom/05/25	SDH – PDH System	25-27 Aug. 2025	03 Days	Offline
6.	STC/Telecom/06/25	CCTV System	08-10 Sep. 2025	03 Days	Offline
7.	STC/Telecom/07/25	Telephone System	29-31 Oct. 2025	03 Days	Offline
8.	STC/Telecom/08/25	Networking System	25-27 Nov. 2025	03 Days	Offline
9.	STC/Telecom/09/25	Fiber Optics Transmission System	22-23 Dec. 2025	02 Days	Offline
10.	STC/Telecom/10/25	Radio System	28-30 Jan. 2026	03 Days	Offline
11.	STC/Telecom/11/25	Clock System	23-25 Feb. 2026	03 Days	Offline
12.	STC/Telecom/12/25	PIDS – PAS System	23-25 Mar. 2026	03 Days	Offline

*Program Briefs at Annexure-B (Pg. No. 12 and 13)

Sh. Vivek Kumar,
Associate Professor (Tele-AFC),
Mob: 9650288377 , Email: vivek.17981@dmrc.org

Batch Manager

ANNUAL TRAINING CALENDAR 2025-26

Civil Engineering

S/N	Batch ID	Topic	Planned Dates	Duration	Mode
1.	STC/Civil/07/25	Arbitration & Conciliations in Works	20 Jun. 2025	01 Day	Offline
2.	STC/Civil/08/25	Tendering & Contract Management	18 Jul. 2025	01 Day	Offline
3.	STC/Civil/09/25	Design aspects of underground Structures viz. Tunnel & Cross Passages	22 Aug. 2025	01 Day	Offline
4.	STC/Civil/10/25	Construction of Tunnels with EPB Shield TBMs	19 Sep. 2025	01 Day	Offline
5.	STC/Civil/11/25	Instrumentation & Monitoring during Underground Construction Works	24 Oct. 2025	01 Day	Offline
6.	STC/Civil/12/25	Safety in Construction of Tunnels	21 Nov. 2025	01 Day	Offline
7.	STC/Civil/13/25	Public Procurement & Tendering	19 Dec. 2025	01 Day	Offline
8.	STC/Civil/14/25	Art of Contract Management	19-23 Jan. 2026	05 Days	Offline
9.	STC/Civil/15/25	Water proofing In Tunnels	21 Feb. 2026	01 Day	Offline
10.	STC/Civil/16/25	Techniques of Rail Welding	14 Mar. 2026	01 Day	Offline

*Program Briefs at Annexure-C (Pg. No. 14)

Batch Manager

Sh. Amit Kirar,
Associate Professor (Civil),
Mob: 9560452406 , Email: amit_10500@dmrc.org

DMRC Academy
डीएमआरसी अकादमी

ANNUAL TRAINING CALENDAR 2025-26

Rolling Stock

S/N	Batch ID	Topic	Planned Dates	Duration	Mode
1.	STC/RS/M&P/01/25	Operation & Maintenance of Machines and Plants used in Rolling Stock depots	May 25	02 Days	Offline
2.	STC/RS/MLR/01/25	Vehicle Control Circuit and Pneumatic Circuits of Metro Train	Jul. 25	02 Days	Offline
3.	STC/RS/M&P/02/25	Operation & Maintenance of Machines and Plants used in Rolling Stock depots	Sep. 25	02 Days	Offline
4.	STC/RS/PROC/01/25	Training on Important and Safety related Rolling Stock Procedures	Nov. 25	02 Days	Offline
5.	STC/RS/PROC/02/25	Training on Important and Safety related Rolling Stock Procedures	Jan. 26	02 Days	Offline
6.	STC/RS/MLR/02/25	Vehicle Control Circuit and Pneumatic Circuits of Metro Train	Mar. 26	02 Days	Offline

*Program Briefs at Annexure-D (Pg. No. 15)

Sh. Hemant Kumar Meena,
Professor (Rolling Stock) - 2,
Mob: 8527088411 , Email: hemant_2452@dmrc.org

Batch Manager

डीएमआरसी अकादमी
DMRC Academy

ANNUAL TRAINING CALENDAR 2025-26

Electrical Engineering

S/N	Batch ID	Topic	Planned Dates	Duration	Mode
Traction					
1.	STC/Traction/01/25	Protection Philosophy in Traction System	02 Apr. 2025	01 Day	Offline
2.	STC/Traction/02/25	Power Transformers and its preventive maintenance	23 Jul. 2025	01 Day	Offline
3.	STC/Traction/03/25	Power Cables	26 Nov. 2025	01 Day	Offline
4.	STC/Traction/04/25	Failures in Over Head Equipment (OHE) System and action taken	21 Jan. 2026	01 Day	Offline
E&M					
1.	STC/E&M/01/25	Rescue procedure in Elevator, failures leading to passenger trappings & action to be taken	17 Sep. 2025	01 Day	Offline
2.	STC/E&M/02/25	Elevator Rescue and analysis of recent trappings	17 Oct. 2025	01 Day	Offline
3.	STC/E&M/03/25	Ventilation & Air conditioning – VRV, ECS & TVS – Overview, failures and remedies	17 Dec. 2025	01 Day	Offline
4.	STC/E&M/04/25	Energy Management and Power Quality Parameters	17 Feb. 2026	01 Day	Offline

*Program Briefs at Annexure-E (Pg. No. 16)

Batch Manager

Sh. C. K. Prasad,
Associate Professor (Traction),
Mob: 995869060 , Email: ckprasad@dmrc.org

DMRC Academy
डीएमआरसी अकादमी

ANNUAL TRAINING CALENDAR 2025-26

Operations

S/N	Batch ID	Topic	Planned Dates	Duration	Mode
1.	STC/OPS/01/25	**Regulatory Compliances: Regulations governing MRTS**	16 May 2025	½ Day	Online
2.	STC/OPS/02/25	**Preparation of documents** (SWO, DWO, Safety Circulars, Safety Instructions etc.)	14 Aug. 2025	½ Day	Online
3.	STC/OPS/03/25	**Steering Success: Cultivating Leadership and Mental Well-being for a Thriving Workplace**	12 Sep. 2025	01 Day	Offline
4.	STC/OPS/04/25	**Crew Management and Block / Permit to Work Management System**	14 Nov. 2025	½ Day	Online
5.	STC/OPS/01/26	**Emerging Technologies in ticketing payment system in MRTS**	13 Feb. 2026	½ Day	Online

*Program Briefs at Annexure-F (Pg. No. 17)

Sh. Vibhas Bhartiya,
Associate Professor (Operations),
Email: vibhas.bhartiya@dmrc.org

Batch Manager

Program Briefs

Signaling System

S/N	Program Briefs

BT – CBTC ATS   **(15-17 Apr. 2025; 03 Days; Offline)**

1. Three days short term course focuses on the BT-CBTC ATS (Automatic Train Supervision) system, a vital technology used for the safe, efficient, and automated control of train movements within the Delhi Metro Rail Corporation (DMRC). The course covers the operation, integration, maintenance, and troubleshooting of the BT-CBTC ATS system, emphasizing its role in optimizing train operations and ensuring passenger safety. It provides in-depth knowledge of the BT-CBTC ATS system, its implementation, operation, troubleshooting, and maintenance, ensuring the smooth, safe, and efficient operation of metro services. After the completion of the course trainee will be evaluated through written examination.

Nippon ATS   **(13-15 May 2025; 03 Days; Offline)**

2. Three days short term course focuses on the NIPPON-CBTC ATS (Automatic Train Supervision) system, a vital technology used for the safe, efficient, and automated control of train movements within the Delhi Metro Rail Corporation (DMRC). The course covers the operation, integration, maintenance, and troubleshooting of the NIPPON-CBTC ATS system, emphasizing its role in optimizing train operations and ensuring passenger safety. It provides in-depth knowledge of the NIPPON-CBTC ATS system, its implementation, operation, troubleshooting, and maintenance, ensuring the smooth, safe, and efficient operation of metro services. After the completion of the course trainee will be evaluated through written examination.

Nippon ATP   **(09-11 Jun. 2025; 03 Days; Offline)**

3. Three days short term course provides specialized training on the Nippon CBTC ATC (Automatic Train Control) system, a cutting-edge signaling technology used in the Metro's. It focuses on the operation, configuration, and maintenance of the Nippon CBTC ATC system, designed to improve train safety, operational efficiency, and network capacity. It provides in-depth knowledge of the Nippon CBTC ATC system, its implementation, operation, troubleshooting, and maintenance, ensuring the smooth, safe, and efficient operation of metro services. After the completion of the course trainee will be evaluated through written examination.

Uninterrupted Power Supply   **(01-03 Jul. 2025; 03 Days; Offline)**

4. Three days short term course on Uninterrupted Power Supply (UPS) used in Metro's plays a crucial role in ensuring continuous, reliable power to critical systems that must operate without interruption. The main functions of UPS in Metro's are Power backup during failure, Protection of sensitive equipment, Continuous power supply for critical system, Preventive system shutdown, Battery charging and power stabilization, Extended runtime during Extended failure, Load Management and distribution etc. This course covers the Introduction, Working Principal, Types, Components, Applications, Installation, Configuration, Operation & Maintenance, Troubleshooting and fault Diagnosis of UPS System. The primary goal of the short-term course on UPS (Uninterrupted Power Supply) systems is to equip maintenance staff with the essential knowledge and skills required to operate, maintain, troubleshoot, and ensure the reliability of UPS systems used in critical metro operations. The course aims to provide practical and theoretical insights to ensure continuous power supply and system reliability for Metro's infrastructure. After the completion of the course trainee will be evaluated through written examination.

Interlocking Processing Unit (KONTRON)   **(11-13 Aug. 2025; 03 Days; Offline)**

5. Three days short term course which offers comprehensive training on the "Interlocking Processing Unit(IPU)" a critical components of the train signaling and control system used in Metro's. This course focuses on the functionality, configuration, operation and maintenance of KONTRON IPU which ensure safe and efficient train movement by managing track signaling and Interlocking logic. It provides in deep understanding of KONTRON-IPU system's role in Metro Operation enabling them to effectively manage, operate and troubleshoot the system to ensure the smooth and safe operation in metro. After the completion of the course trainee will be evaluated through written examination.

Program Briefs

Signaling System

S/N	Program Briefs

BT – CBTC ATP   **(01-03 Sep. 2025; 03 Days; Offline)**

6. Three days short term course provides specialized training on the BT-CBTC ATC (Automatic Train Control) system, a cutting-edge signaling technology used in the Metro's. It focuses on the operation, configuration, and maintenance of the BT-CBTC ATC system, designed to improve train safety, operational efficiency, and network capacity. It provides in-depth knowledge of the Bombardier CBTC ATC system, its implementation, operation, troubleshooting, and maintenance, ensuring the smooth, safe, and efficient operation of metro services. After the completion of the course trainee will be evaluated through written examination.

BT – CBTC Axle Counter (ELS-95)   **(13-14 Oct. 2025; 02 Days; Offline)**

7. Two days short-term course focuses on the BT-CBTC Axel Counter ELS-95 system, an essential component of the signaling and train control infrastructure used in the Delhi Metro Rail Corporation (DMRC). The system is responsible for accurately counting the axles of trains to determine their position, ensuring precise train tracking, and contributing to the overall safety and efficiency of the metro network. It provides in-depth knowledge of the BT-CBTC Axel Counter system, its implementation, operation, troubleshooting, and maintenance to ensure its optimal performance. After the completion of the course trainee will be evaluated through written examination.

Workshop on Card Replacement   **(06 Nov. 2025; 01 Day; Offline)**

8. One day workshop focuses on Card Replacement in the context of Metro systems, particularly for the train control and signaling systems that rely on specialized cards for operation. The workshop provides practical training and hands-on experience in the process of identifying, replacing, and testing faulty or outdated cards used in various Metro systems. The workshop is to provide Metro staff with the skills required to safely and efficiently replace malfunctioning or outdated cards in various systems, ensuring continued operational reliability, safety, and performance across metro services. After the completion of the course trainee will be evaluated through written examination.

Interfacing of Signaling with P. Way   **(22-23 Dec. 2025; 02 Days; Offline)**

9. Two days short-term course which is designed to provide a comprehensive understanding of the interfacing between Signaling and Permanent Way (P-Way) components within the metro's. The course covers the integration and coordination between signaling systems, track infrastructure, and communication networks to ensure safe, efficient, and reliable train operations. It provides in-depth knowledge to understand the interaction between signaling and track infrastructure (P-Way),which will help in effectively manage and troubleshoot these integrated systems, ensuring seamless metro operations. After the completion of the course trainee will be evaluated through written examination.

Nippon Axle Counter (ACS-2000)   **(19-20 Jan. 2026; 02 Days; Offline)**

10. Two days short-term course focuses on the Nippon Axel Counter ACS-2000 system, an essential component of the signaling and train control infrastructure used in the Delhi Metro Rail Corporation (DMRC). The system is responsible for accurately counting the axles of trains to determine their position, ensuring precise train tracking, and contributing to the overall safety and efficiency of the metro network. It provides in-depth knowledge of the Nippon-CBTC Axel Counter system, its implementation, operation, troubleshooting, and maintenance to ensure its optimal performance. After the completion of the course trainee will be evaluated through written examination.

Platform Screen Doors   **(09-11 Feb. 2026; 03 Days; Offline)**

11. Three days short-term course focuses on the Platform Screen Door (PSD) system, which is an essential safety and operational feature in the Metro. PSDs are installed at metro station platforms to provide physical separation between passengers and trains, ensuring enhanced safety, reducing accidents, and improving operational efficiency. The course covers the installation, operation, maintenance, and troubleshooting of PSD systems. The primary goal of this course is to equip maintenance personnel with the knowledge and skills necessary to effectively operate, maintain, and troubleshoot Platform Screen Doors to ensure smooth, safe, and efficient metro operations. After the completion of the course trainee will be evaluated through written examination.

डीएमआरसी अकादमी
DMRC Academy

Program Briefs

Telecommunication System

S/N	Program Briefs
1.	**Radio System** **(07-09 Apr. 2025; 03 Days; Offline)** Three days short term course focuses on the Radio system used in Delhi Metro Rail Corporation (DMRC). The course covers the Train Radio , Radio Access unit, Hand portable, Zetron, Radio Control Workstation. Maintenance and troubleshooting of the Radio system, emphasizing its role to communicate with each other within the Metro premises. It provides in-depth knowledge of the Radio system, its implementation, operation, troubleshooting and maintenance. After the completion of the course trainee will be evaluated through written examination.
2.	**Clock System** **(01-03 May 2025; 03 Days; Offline)** Three days short term course focuses on the Clock system. Introduction to Master clock , Sub-Master Clock .Interfaces of clock system with other systems. The course covers the operation, integration, maintenance and troubleshooting of the Clock system. It provides in-depth knowledge of Clock system, its operation, troubleshooting and maintenance. After the completion of the course trainee will be evaluated through written examination.
3.	**PIDS - PAS System** **(23-25 Jun. 2025; 03 Days; Offline)** Three days short term course provides specialized training on the PIDS-PAS system .It focuses on the operation, configuration, Troubleshooting and maintenance of the PIDS-PAS system. It provides in-depth knowledge of the PIDS -PAS system, its implementation, operation, troubleshooting and maintenance procedures. After the completion of the course trainee will be evaluated through written examination.
4.	**Uninterrupted Power Supply** **(01-03 Jul. 2025; 03 Days; Offline)** Three days short term course on Uninterrupted Power Supply (UPS) used in Metro Railways. The main functions of UPS in Metro's are Power backup during failure, Protection of sensitive equipment, Continuous power supply for critical system, Preventive system shutdown, battery charging and power stabilization, Extended runtime during Extended failure, Load Management and distribution etc. This course covers the Introduction, Working Principal, Types, Components, Applications, Installation, Configuration, Operation and Maintenance, Troubleshooting and fault Diagnosis of UPS System. The primary goal of the short-term course on UPS (Uninterrupted Power Supply) systems is to equip maintenance staff with the essential knowledge and skills required to operate, maintain, troubleshoot, and ensure the reliability of UPS systems used in critical metro operations. The course aims to provide practical and theoretical insights to ensure continuous power supply and system reliability for Metro's infrastructure. After the completion of the course trainee will be evaluated through written examination.
5.	**SDH – PDH System** **(25-27 Aug. 2025; 03 Days; Offline)** Three days short term course which offers comprehensive training on the "SDH & PDH " used in Metro's. This course focuses on the functionality, configuration, operation and maintenance of SDH & PDH system. It provides in deep understanding of SDH & PDH system's role in Metro Operation enabling them to effectively manage, operate and troubleshoot the system to ensure the smooth and safe operation in metro. After the completion of the course trainee will be evaluated through written examination.
6.	**CCTV System** **(08-10 Sep. 2025; 03 Days; Offline)** Three days short term course provides specialized training on the CCTV system. It focuses on the operation, configuration, maintenance and troubleshooting of the CCTV system. It provides in-depth knowledge of the CCTV system, its implementation, operation, troubleshooting and maintenance for the smooth, safe, and efficient operation of metro services. After the completion of the course trainee will be evaluated through written examination.

डीएमआरसी अकादमी
DMRC Academy

Program Briefs

Telecommunication System

S/N	Program Briefs

Telephone System (29-31 Oct. 2025; 03 Days; Offline)

7. Three days short-term course focuses on the Telephone system, its importance, types, numbering plan and its connectivity. It provides in-depth knowledge of the Telephone system, its implementation, operation, troubleshooting and maintenance. After the completion of the course trainee will be evaluated through written examination.

Networking System (25-27 Nov. 2025; 03 Days; Offline)

8. Three days short-term course which is designed to provide a comprehensive understanding of the Networking system. The course covers the network media, cables, connectors and their protocols. It provides in-depth knowledge to understand the networking system, which will help in effectively manage and troubleshoot these integrated systems, ensuring seamless metro operations. After the completion of the course trainee will be evaluated through written examination.

Fiber Optics Transmission System (22-23 Dec. 2025; 02 Days; Offline)

9. Two days short-term course which is designed to provide a comprehensive understanding of Fiber Optics Transmission System (FOTS). The course covers basic concepts of optical fiber, structure of fiber cable, Link budgeting, tools used in splicing machine, their parts, different types of connector and their losses. It provides in-depth knowledge to understand FOTS system, which will help in effectively manage and troubleshoot FOTS system, ensuring seamless metro operations. After the completion of the course trainee will be evaluated through written examination.

Radio System (28-30 Jan. 2026; 03 Days; Offline)

10. Three days short term course focuses on the Radio system used in Delhi Metro Rail Corporation (DMRC). The course covers the Train Radio , Radio Access unit, Hand portable, Zetron, Radio Control Workstation. Maintenance and troubleshooting of the Radio system, emphasizing its role to communicate with each other within the Metro premises. It provides in-depth knowledge of the Radio system, its implementation, operation, troubleshooting and maintenance. After the completion of the course trainee will be evaluated through written examination.

Clock System (23-25 Feb. 2026; 03 Days; Offline)

11. Three days short term course focuses on the Clock system. Introduction to Master clock , Sub-Master Clock .Interfaces of clock system with other systems. The course covers the operation, integration, maintenance and troubleshooting of the Clock system. It provides in-depth knowledge of Clock system, its operation, troubleshooting and maintenance. After the completion of the course trainee will be evaluated through written examination.

PIDS – PAS System (23-25 Mar. 2026; 03 Days; Offline)

12. Three days short term course provides specialized training on the PIDS-PAS system .It focuses on the operation, configuration, Troubleshooting and maintenance of the PIDS-PAS system. It provides in-depth knowledge of the PIDS -PAS system, its implementation, operation, troubleshooting and maintenance procedures. After the completion of the course trainee will be evaluated through written examination.

DMRC Academy
डीएमआरसी अकादमी

Program Briefs

Civil Engineering

S/N	Program Briefs
1.	**Arbitration & Conciliations in Works** **(20 Jun. 2025; 01 Day; Offline)** Dispute Resolution methods in Contracts - Arbitration, Conciliation and Mediation, Important clauses of Arbitration and Conciliation Act of 1996, Case Studies, etc.
2.	**Tendering & Contract Management** **(18 Jul. 2025; 01 Day; Offline)** Overview of different type of Tender, different stages in Tendering Process and Bid Evaluation. Effective means of managing a Contract, etc.
3.	**Design aspects of underground Structures viz. Tunnel & Cross Passages** **(22 Aug. 2025; 01 Day; Offline)** Design details of Underground structures viz Tunnels and Cross passages. Relevant clauses and various design parameters.
4.	**Construction of Tunnels with EPB Shield TBMs** **(19 Sep. 2025; 01 Day; Offline)** Insights into construction of Tunnels by Earth Pressure Balancing TBM , Tunnel Boring machine Concepts and details of its components, Case studies, etc.
5.	**Instrumentation & Monitoring during Underground Construction Works** **(24 Oct. 2025; 01 Day; Offline)** Fundamentals of Instrumentations & Monitoring, Ways of Ascertaining the safety of the nearby structures during underground construction, Structural Health Monitoring, etc.
6.	**Safety in Construction of Tunnels** **(21 Nov. 2025; 01 Day; Offline)** Safety aspects during underground construction, Case Studies and lessons learnt. Brief overview of Safety Heath and Environment (SHE manual). Safety measures implemented in DMRC during Tunnelling.
7.	**Public Procurement & Tendering** **(19 Dec. 2025; 01 Day; Offline)** Pubic Porcurement and Procedures. Overview of Procurement of material through GeM, its advantages & procedures.
8.	**Art of Contract Management** **(19-23 Jan. 2026; 05 Days; Offline)** Discussion on various aspects of Tendering, various provisions of General Condition of Contract & Indian Contract Act 1972, Critical analysis of GCC Clauses on time Management , Contract price and payment, variation, roles and responsibilities of client and contractor & termination of Contract . Common mistakes during tendering and Contract management, Role of Finance in contract management and processing of variation & Claims . Role of vigilance and various case studies.
9.	**Water proofing In Tunnels** **(21 Feb. 2026; 01 Day; Offline)** Overview of Seepage issue in Tunnels. Discussion on type of water-proofing system, drainage, material selection and application techniques, Inspection and Maintenance, etc.
10.	**Techniques of Rail Welding** **(14 Mar. 2026; 01 Day; Offline)** Overview of ways of joining rails by different welding method viz. Flash Butt Welding & Alumina Thermit welding. Correct Procedures & Precautions.

डीएमआरसी अकादमी
DMRC Academy

Program Briefs

Rolling Stock

S/N	Program Briefs

1.

Operation & Maintenance of Machines and Plants used in Rolling Stock depots
(May 25; 02 Days; Offline)

The module will cover Operation & Maintenance of Machines and Plants used in Rolling Stock depots which are required for ensuring enhanced safety, reducing accidents and improving efficiency of the metro trains.

2.

Vehicle Control Circuit and Pneumatic Circuits of Metro Train
(Jul. 25; 02 Days; Offline)

The module will cover all basic circuits, brake loops, door loops and pneumatic circuits etc. along with a case study on important failures in the vehicle control circuits.

3.

Operation & Maintenance of Machines and Plants used in Rolling Stock depots
(Sep. 25; 02 Days; Offline)

The module will cover Operation & Maintenance of Machines and Plants used in Rolling Stock depots which are required for ensuring enhanced safety, reducing accidents and improving efficiency of the metro trains.

4.

Training on Important and Safety related Rolling Stock Procedures
(Nov. 25; 02 Days; Offline)

The module will cover various important and safety related RS Procedures and safety precautions during working during shunting, coupling, and rescue operations.

5.

Training on Important and Safety related Rolling Stock Procedures
(Jan. 26; 02 Days; Offline)

The module will cover various important and safety related RS Procedures and safety precautions during working during shunting, coupling, and rescue operations.

6.

Vehicle Control Circuit and Pneumatic Circuits of Metro Train
(Mar. 26; 02 Days; Offline)

The module will cover all basic circuits, brake loops, door loops and pneumatic circuits etc along with a case study on important failures in the vehicle control circuits.

Program Briefs

Electrical Engineering

S/N	Program Briefs

Traction

1. Protection Philosophy in Traction System

(02 Apr. 2025; 01 Day; Offline)

Under this topic various types of protections that are being used in Traction System and philosophy adopted in the protection scheme shall be discussed.

2. Power Transformers and its preventive maintenance

(23 Jul. 2025; 01 Day; Offline)

Trainees will be able to understand the working, group and features of Power Transformer. Maintenance Schedule of the Transformer and safety precaution shall be also discussed.

3. Power Cables

(26 Nov. 2025; 01 Day; Offline)

Under this topic general construction, application and laying of Power Cables shall be briefed.

4. Failures in Over Head Equipment (OHE) System and action taken

(21 Jan. 2026; 01 Day; Offline)

In this topic general types of failure that occur in OHE system and their remedial action will be discussed.

E&M

7. Rescue procedure in Elevator, failures leading to passenger trappings & action to be taken

(17 Sep. 2025; 01 Day; Offline)

Trainees will be able to execute elevator rescue procedure, analyze root cause leading to passenger trappings and will be able to make an action plan to avoid such re-occurrence.

8. Elevator Rescue and analysis of recent trappings

(17 Oct. 2025; 01 Day; Offline)

Trainees will be able to execute elevator rescue procedure, analyze root cause leading to passenger trappings and will be able to download & understand data from elevators.

9. Ventilation & Air conditioning – VRV, ECS & TVS – Overview, failures and remedies

(17 Dec. 2025; 01 Day; Offline)

Trainees will be able to understand various ventilation and air conditioning systems in metro stations and analyze their failures.

10. Energy Management and Power Quality Parameters

(17 Feb. 2025; 01 Day; Offline)

Trainees will be able to understand and mitigate power quality issues, understand various energy analysis techniques and methods especially VVVF drives.

DMRC Academy
डीएमआरसी अकादमी

Program Briefs

Operations

S/N	Program Briefs

Regulatory Compliances: Regulations governing MRTS

(16 May 2025; ½ Day; Online)

1.
- Detailed exploration of relevant sections and provisions in 'Opening of Metro Railways for Public Carriage of Passengers Rules'.
- Overview of various forms annexed under the rule.
- In-depth discussion on common questions raised during inspection by CMRS.

Preparation of documents (SWO, DWO, Safety Circulars, Safety Instructions etc.)

(14 Aug. 2025; ½ Day; Online)

2.
- Introduction to key documents used in DMRC Operations, such as Station Working Orders (SWO), Depot Working Orders (DWO), Safety Circulars and Safety Instructions.
- The process of creating and implementing these documents.
- Procedure for modifying, altering or deleting existing SWOs, DWOs and related documents.

Steering Success: Cultivating Leadership and Mental Well-being for a Thriving Workplace

(12 Sep. 2025; 01 Day; Offline)

3.
- The role of effective leadership in fostering success.
- The importance of mental well-being in achieving personal and professional success. Strategies for creating a positive organizational culture and environment.
- Leading with empathy.

Crew Management and Block / Permit to Work Management System

(14 Nov. 2025; ½ Day; Online)

4.
- Overview of crew management procedures etc. in MRTS.
- Utilization of Crew Management System (CMS) through kiosks, mobile apps and desktop interfaces.
- Block and Permit-to-Work (PTW) management as outlined in Safety Circular 2, ensuring compliance with safety protocols and work regulations.

Emerging Technologies in ticketing payment system in MRTS

(13 Feb. 2026; ½ Day; Online)

5.
- Overview of innovative ticketing methods such as mobile ticketing, QR based payment systems, Automatic Bank Transfer etc.
- Implementation and benefits of National Common Mobility Card (NCMC) for seamless travel across different transport modes.
- Integration of mobile wallets for easy transactions.

डीएमआरसी अकादमी
DMRC Academy

(सीबीसी के राष्ट्रीय मानकों के अंतर्गत प्रत्यायित, एनसीवीईटी द्वारा मान्यता – दोहरी श्रेणी तथा आईएसओ 9001: 2015 प्रमाणित)
(Accredited under CBC's National Standards, Recognition by NCVET – Dual Category, and ISO 9001 : 2015 Certified)

Train Depot, Shastri Park, East Approach Road, Delhi-110053

https://dmrcacademy.delhimetrorail.com/

Scan for location