



Online Courses Tokyo Metro Academy 2024-2025



Application (Official Website)



<https://sites.google.com/tokyometroacademy.com/index>

SNS



Contact us

tokyometro-online-courses@tokyometro.jp



Contributing to sustainable development of cities around the world!

Tokyo Metro Academy : Online courses where you can learn from the expertise and experience in railway operations of Tokyo Metro



Our initiatives, experiences, achievements, and expertise



Online Courses



Disclosed information can be utilized by participants in their future work.

2024 No. 5	Introductory	General	Operations and Maintenance	Jul. 2024
2024 No. 6	Basic	Train Operations 1	OCC	Jul. 2024
2024 No. 7	Basic	Rolling Stock 1	Maintenance Basics	Jul. 2024
2024 No. 8	Basic	Infrastructure 1	Track Maintenance	Aug. 2024
2024 No. 9	Basic	Safety	Accidents and Disasters	Sep. 2024
2024 No. 10	Basic	Non-rail Business	Station Commercial Facilities	Sep. 2024
2024 No. 11	Basic	Train Operations 2	Train Schedule	Oct. 2024
2024 No. 12	Basic	Service 1	Customer Satisfaction	Oct. 2024
2024 No. 13	Basic	Electrical Facilities 1	Power Supply Maintenance	Oct. 2024
2024 No. 14	Basic	HR Training	Cross-departmental Training	Nov. 2024
2024 No. 15	Basic	Service 2	<New> Station Wayfinding	Dec. 2024
2024 No. 16	Basic	Infrastructure 2	<New> Civil Engineering Maintenance	Dec. 2024
2025 No. 1	Basic	Train Operations 3	<New> Train Driver Operation	Jan. 2025
2025 No. 2	Advanced	Rolling Stock 2	Maintenance Planning	Jan. 2025
2025 No. 3	Advanced	Electrical Facilities 2	Energy Conservation	Jan. 2025
2025 No. 4	Advanced	Technology	Technology Development	Feb. 2025
2025 No. 5	Advanced	Planning	<New> New Line Planning	Feb. 2025
2025 No. 6	Advanced	Train Operations 4	Enhancing Punctuality	Feb. 2025

<New>: Course newly open

Language English **Lecture Fee** 20,000 JPY (2 hours) / 10,000 JPY (1 hour) [2024 No. 5 only]

Payment method PayPal

Course Level

Introductory	for those aspiring to work in the railway industry (students, etc.)
Basic	for those who have less than 3 years experience in the railway industry
Advanced	for those who have 3 years or more experience in the railway industry



Apply multiple courses And Get 10% off ^{*1, *2}

*1: When applying multiple online course for Tokyo Metro Academy 2024-2025, 10% discount on the lecture fee (excluding tax) will be applied. The condition is that the same participant applies for multiple courses at the same time.

*2: The 10% discount will not be applied if applications are sent on multiple days (e.g., July 1: send application for one train operation course, August 11: send application for one rolling stock course). Also, the 10% discount will not be applied multiple participants applying for the same course.



18 courses from a wide range of fields

- Online courses are available in various fields of the rail business as well as non-rail business.
- We may arrange to hold a same online course on a different day / time upon your request if there are at least 3 participants.

	Introductory	Basic	Advanced
General	- Operations and Maintenance (2024 No. 5)	-	-
Train Operations	-	- OCC (2024 No. 6) - Train Schedule (2024 No. 11) - Train Driver Operation (2025 No. 1)	- Enhancing Punctuality (2025 No. 6)
Service	-	- Customer Satisfaction (2024 No. 12) - Station Wayfinding (2024 No. 15)	-
Rolling Stock	-	- Maintenance Basics (2024 No. 7)	- Maintenance Planning (2025 No. 2)
Infrastructure	-	- Track Maintenance (2024 No. 8) - Civil Engineering Maintenance (2024 No. 16)	-
Electrical Facilities	-	- Power Supply Maintenance (2024 No. 13)	- Energy Conservation (2025 No. 3)
Safety	-	- Accidents and Disasters (2024 No. 9)	-
HR Training	-	- Cross-departmental Training (2024 No. 14)	-
Technology	-	-	- Technology Development (2025 No. 4)
Planning	-	-	- New Line Planning (2025 No. 5)
Non-rail Business	-	- Station Commercial Facilities (2024 No. 10)	-

2024 No. 5	General	Overview of Operations and Maintenance
	Introductory Course	



Operations



Maintenance

KEY POINT

By learning an overview of Tokyo Metro's operations and maintenance, you will be able to gain basic knowledge of the operations and maintenance of a railway operator.

OVERVIEW

We will introduce an overview of "operations of trains and stations" and "maintenance of rolling stock, infrastructure, and electrical facilities," as well as an overview of "interdepartmental collaboration initiatives related to safety and service".

LECTURE CONTENTS

1) Railway system

- Roles of railway operators and contents of railway business

2) Operations and maintenance

- Operations: Train operation and Station Operation
- Maintenance: Rolling stock, Infrastructure, and Electrical facilities

3) Interdepartmental collaboration initiatives

- Safety Initiatives
- Service Initiatives

KEY DETAILS

Dates and Times	July 2 and 4, 2024 (The same content will be presented on each day.) -July 2, 2024, 5:00 p.m. JST / 10:00 a.m. CEST / 4:00 a.m. EDT <Duration: 1 hour> -July 4, 2024, 9:00 a.m. JST / 2:00 a.m. CEST / 8:00 p.m. (3rd) EDT <Duration: 1 hour>
Targets	Introductory Course: for those aspiring to work in the railway industry (students, etc.)
Location	Online (Microsoft Teams)
Language	English
Lecture Fee	10,000 JPY (per day) Note: Applications within Japan are subject to the tax separately. * Cut-off date: Please apply at least one business day before each lecture in order to receive related materials by email in advance.
Certificate	Attendance Certificate (digital) will be issued.

LECTURER



KAZUNORI WAKITA

Joined 2012. Based on his experience as a station attendant, and conductor, he had been involved in the Olympic and Paralympic projects, including demand estimation and management, operation planning, and promotion planning.

More Info and application



<https://sites.google.com/tokyoMetroAcademy.com/index>

You can apply regardless of your field.

2024 No. 6	Train Operations 1	Operations Control Center Response to Abnormalities
	Basic Course	



Integrated Control Center (OCC)



Operates nine lines, 195 km of track, and 2,722 cars

KEY POINT

By learning about the structure of the Integrated Control Center (OCC) of Tokyo Metro, and its response to disasters and accidents, you will be able to use them as a reference when considering improvements to the organizational structure of the OCC and response to accidents and disasters.

OVERVIEW

We will introduce the organizational structure of the OCC and the internal and external collaboration systems for responding to trouble, as well as examples of accident and disaster responses that Tokyo Metro has experienced in the past.

LECTURE CONTENTS

1) OCC organizational structure

- Role of organizations and staff in the OCC
- Internal and external collaboration systems for problem response

2) Response to disasters and accidents

- Natural disasters (earthquake, wind and flooding, etc.)
- Various accidents
- Terrorism in railway system

KEY DETAILS

Dates and Times	July 16 and 18, 2024 (The same content will be presented on each day.) -July 16, 2024, 5:00 p.m. JST / 10:00 a.m. CEST / 4:00 a.m. EDT <Duration: 2 hours> -July 18, 2024, 9:00 a.m. JST / 2:00 a.m. CEST / 8:00 p.m. (17th) EDT <Duration: 2 hours>
Targets	Basic Course: for those who have less than 3 years experience in the railway industry
Location	Online (Microsoft Teams)
Language	English
Lecture Fee	20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately. * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.
Certificate	Attendance Certificate (digital) will be issued.

LECTURER



KOHEI USHIDA

Joined 1984. Based on his experience as a station attendant, conductor, train driver, traffic control dispatcher, transportation planner, and driver trainer, he has worked on a variety of overseas projects.

More Info and application



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You can apply regardless of your field.

2024 No. 7	Rolling Stock 1	Rolling Stock Maintenance Basics
	Basic Course	



New rolling stock



Periodic inspection



Each equipment inspection

KEY POINT

You will be able to gain a general understanding of the specific inspection plans and work involved in Tokyo Metro's rolling stock maintenance. When considering improvements at your work, you can use this information to compare and verify your rolling stock maintenance.

OVERVIEW

We will introduce an extensive overview of various inspections aimed at maintaining soundness and functionality and reducing the possibility of failures to achieve Tokyo Metro's rolling stock maintenance, as well as the utilization of inspection and repair information to achieve high-quality inspections.

LECTURE CONTENTS

1) Inspection and repair system of Tokyo Metro's rolling stock

- Types of inspections, facilities for inspections, establishment and operation of maintenance standard values, and the concept of replacing consumable parts, etc.

2) Management of inspection and repair information for failure reduction

- Data collection to achieve high-quality inspections by utilizing information on failure repair history and wheel wear volume, etc.

KEY DETAILS

Dates and Times	July 30 and August 1, 2024 (The same content will be presented on each day.) -July 30, 2024, 5:00 p.m. JST / 10:00 a.m. CEST / 4:00 a.m. EDT <Duration: 2 hours> -August 1, 2024, 9:00 a.m. JST / 2:00 a.m. CEST / 8:00 p.m. (July 31st) EDT <Duration: 2 hours>
Targets	Basic Course: for those who have less than 3 years experience in the railway industry
Location	Online (Microsoft Teams)
Language	English
Lecture Fee	20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately. * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.
Certificate	Attendance Certificate (digital) will be issued.

LECTURER



MAKOTO SHIMIZU

Joined 1995. Based on his experience in rolling stock planning, design, maintenance operations, and international procurement, he has worked on various overseas projects.

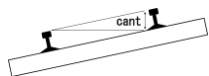
More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.

2024 No. 8	Infrastructure 1	Track Maintenance
	Basic Course	



Design



Inspection



Repair



Renovation

KEY POINT

By learning about Tokyo Metro's track maintenance cycle, you will be able to use it as a reference when considering improvements of track inspection and repair.

OVERVIEW

The maintenance and management of tracks is based on the cycle of "inspection and judgment → repair planning → construction," and consists of various efforts. In this lecture, we will introduce the basics of track design, inspection and repair, as well as track maintenance efforts in urban tunnels.

LECTURE CONTENTS

1) Track design

- Fundamentals of track design

2) Track inspection

- Tracks for inspection, inspection content, inspection cycle, and judgment

3) Track repair

- Basic track repair work

4) Track renovation work

- Introduction of subway track renovation work

KEY DETAILS

Dates and Times	August 20 and 22, 2024 (The same content will be presented on each day.) -August 20, 2024, 5:00 p.m. JST / 10:00 a.m. CEST / 4:00 a.m. EDT <Duration: 2 hours> -August 22, 2024, 9:00 a.m. JST / 2:00 a.m. CEST / 8:00 p.m. (21st) EDT <Duration: 2 hours>
Targets	Basic Course: for those who have less than 3 years experience in the railway industry
Location	Online (Microsoft Teams)
Language	English
Lecture Fee	20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately. * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.
Certificate	Attendance Certificate (digital) will be issued.

LECTURER



TAKU KANZAWA

Joined 2015. Based on his experience in civil engineering structure planning, design, construction management, and maintenance management, he has worked on overseas projects.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.

2024 No. 9	Safety	Responses, Countermeasures and Training to Handle Accidents and Disasters
	Basic Course	



Emergency response system



Safety equipment



Disaster countermeasures



Human resources development

KEY POINT

By learning about Tokyo Metro's various responses, countermeasures, and training for accidents and disasters, etc., you will be able to use them as a reference when considering such countermeasures.

OVERVIEW

We will introduce examples of emergency responses to handle accidents and disasters, station and train safety measures, disaster and railway terrorism countermeasures, as well as training and drills to improve safety.

LECTURE CONTENTS

1) Establishment of an emergency response system in the event of an accident or disaster, etc.

- Implementation details of emergency response system
- Implementation of various types of drills in preparation for accidents and disasters, etc. (comprehensive drills simulating emergencies, drills in cooperation with the government, etc.)

2) Safety measures

- Station safety measures
- Train safety measures

3) Disaster and railway terrorism countermeasures

- Countermeasures against earthquakes, large-scale flooding, strong wind, wide-spread power outage, fire, and railway terrorism

4) Human resources development for safety improvements

- Training and drills aimed at equipping employees with the necessary knowledge and skills to ensure transportation safety and provide peace of mind

KEY DETAILS

Dates and Times **September 3 and 5, 2024 (The same content will be presented on each day.)**
 -September 3, 2024, 5:00 p.m. JST / 10:00 a.m. CEST / 4:00 a.m. EDT <Duration: 2 hours>
 -September 5, 2024, 9:00 a.m. JST / 2:00 a.m. CEST / 8:00 p.m. (4th) EDT <Duration: 2 hours>

Targets Basic Course: for those who have less than 3 years experience in the railway industry

Location Online (Microsoft Teams)

Language English

Lecture Fee 20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately.
 * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.

Certificate Attendance Certificate (digital) will be issued.

LECTURER



YOSHIKI SHIMIZU

Joined 2006. Engaged in planning, design, and maintenance of railway facilities, introduction of new technologies, and international procurement of goods. He acted as the test manager for the field test for the introduction of the stationary energy storage system for emergency driving.

More Info and application



<https://sites.google.com/tokyoMetroAcademy.com/index>
 You can apply regardless of your field.

2024 No. 10	Non-rail business	Development of Commercial Facilities at Stations
	Basic Course	



Underground station commercial facilities



Commercial facilities under elevated railways



Commercial facilities in station building

KEY POINT

By learning about the necessity and examples of business scale expansion of commercial facilities that are underground, above-ground, under elevated railways, and inside station buildings, you will be able to use them as a reference when considering the development of commercial facilities at existing and new stations.

OVERVIEW

We will introduce why commercial facilities are necessary in stations, examples of business scale expansion, and also an overview of planning, development, and operational management for commercial facilities underground and above-ground stations, under elevated railways, and station building complexes.

LECTURE CONTENTS

1) Necessity of station commercial facilities

- Necessity of business development of station commercial facilities for railway operators

2) Business scale expansion of station commercial facilities

- Development of station commercial facilities since about 90 years ago
- Business scale expansion of station commercial facilities since about 30 years ago
- Further business scale expansion of station commercial facilities since about 20 years ago

3) Overview of planning, development, and operational management of station commercial facilities

- Concept, development plan, tenant management, etc.

KEY DETAILS

Dates and Times	September 17 and 19, 2024 (The same content will be presented on each day.) -September 17, 2024, 5:00 p.m. JST / 10:00 a.m. CEST / 4:00 a.m. EDT <Duration: 2 hours> -September 19, 2024, 9:00 a.m. JST / 2:00 a.m. CEST / 8:00 p.m. (18th) EDT <Duration: 2 hours>
Targets	Basic Course: for those who have less than 3 years experience in the railway industry
Location	Online (Microsoft Teams)
Language	English
Lecture Fee	20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately. * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.
Certificate	Attendance Certificate (digital) will be issued.

LECTURER



TAKAHIRO TANISAKA

Joined 2000. Engaged in various projects involving overseas support and technical cooperation. Currently, he acts as the training leader for the project to support the establishment and strengthen the operational capacity of the Philippine Railways Institute, commissioned by JICA*.

* JICA: Japan International Cooperation Agency

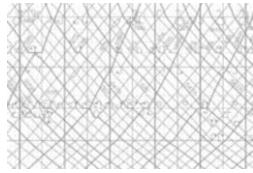
More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.

2024 No. 11	Train Operations 2	Train Schedule Basics
	Basic Course	



Train schedule

0	01	03	05	07	09	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55
0	02	04	06	08	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56
0	03	05	07	09	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57
0	04	06	08	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58
0	05	07	09	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59

Train timetable

KEY POINT

By learning the basic overview of train schedules, you will be able to use it as a reference when you create, analyze, and revise train schedules.

OVERVIEW

Tokyo Metro operates nine railway lines, with 195km of track in and around central Tokyo. Seven of the lines have reciprocal through-service with other railway companies. The minimum train operation interval is 2 minutes and 5 seconds in the morning rush hour.

We will introduce train schedule basics, how to create train schedules based on examples in Tokyo Metro, how to survey and analyze train schedules, and how to revise train schedules based on analysis results.

LECTURE CONTENTS

1) Overview of train operations

- Overview of urban railway train operations

2) Overview of train schedule basics

- Overview of basic knowledge and how to read train schedules

3) Create train schedule

- How to create train schedules

4) Analyze train schedule

- How to survey and analyze train schedules

5) Revise train schedule

- How to revise train schedules based on the analyzed results

KEY DETAILS

Dates and Times

October 1 and 3, 2024 (The same content will be presented on each day.)

-October 1, 2024, 5:00 p.m. JST / 10:00 a.m. CEST / 4:00 a.m. EDT <Duration: 2 hours>

-October 3, 2024, 9:00 a.m. JST / 2:00 a.m. CEST / 8:00 p.m. (2nd) EDT <Duration: 2 hours>

Targets

Basic Course: for those who have less than 3 years experience in the railway industry

Location

Online (Microsoft Teams)

Language

English

Lecture Fee

20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately.

* Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.

Certificate

Attendance Certificate (digital) will be issued.

LECTURER



KOHEI USHIDA

Joined 1984. Based on his experience as a station attendant, conductor, train driver, traffic control dispatcher, transportation planner, and driver trainer, he has worked on a variety of overseas projects.

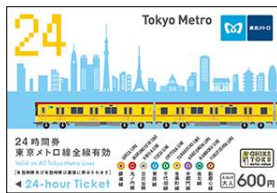
More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.

2024 No. 12	Service 1	Customer Satisfaction Improvement Initiatives
	Basic Course	



Special tickets meeting customer needs



Renovated and bustling station

KEY POINT

By learning “specific initiatives” and “responses to changes in society and environment” related to customer satisfaction improvements, you will be able to use them as a reference when considering customer satisfaction.

OVERVIEW

As social infrastructure, urban railways have supported urban growth by responding to social and environmental changes and meeting customer needs. On the other hand, changes in life and work styles due to the pandemic have accelerated and clarified changes in the value of urban railways needed by customers and the role of urban railways.

We will introduce “various initiatives that have improved customer satisfaction” and “Efforts to further improve customer satisfaction in response to changes in society and environment,” focusing on Tokyo Metro.

LECTURE CONTENTS

1) History and role of urban transport and urban railways

- History and role of urban transport and urban railways to date, using Tokyo as a case study

2) Customer satisfaction improvement initiatives in Tokyo Metro

- Customer satisfaction improvement initiatives conducted by Tokyo Metro based on customer needs

3) Further customer satisfaction improvement

- Responses to changes in the value of urban railways needed by customers and the role of urban railways

KEY DETAILS

Dates and Times **October 15 and 17, 2024 (The same content will be presented on each day.)**
 -October 15, 2024, 5:00 p.m. JST / 10:00 a.m. CEST / 4:00 a.m. EDT <Duration: 2 hours>
 -October 17, 2024, 9:00 a.m. JST / 2:00 a.m. CEST / 8:00 p.m. (16th) EDT <Duration: 2 hours>

Targets Basic Course: for those who have less than 3 years experience in the railway industry

Location Online (Microsoft Teams)

Language English

Lecture Fee 20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately.
 * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.

Certificate Attendance Certificate (digital) will be issued.

LECTURER



HIDEO AKASHI

Joined 2007. Based on his experience as a station staff, assigned to several departments related to customer satisfaction (CS), such as responding to customer feedback, promoting CS activities within the company, and planning and management of station operations. Currently working on station operations for overseas projects.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>
 You can apply regardless of your field.

2024 No. 13	Electrical Facilities 1	Power Supply Maintenance
	Basic Course	



Substation



Contact Lines



Power transmission and distribution



KEY POINT

By learning the maintenance details of electric power supply equipment in urban railways, you will be able to use them as a reference when considering the formulation and review of the maintenance contents.

OVERVIEW

Tokyo Metro maintains 62 substations, three types of contact lines, and transmission and distribution lines in terms of power supply, which is one of the elements necessary for safe and stable operations of trains.

We will introduce the facility overview, maintenance contents, and efforts to improve safety of power supply facilities for substations, contact lines, and transmission and distribution lines in urban railways.

LECTURE CONTENTS

1) Overview of power supply facilities

- Overview of power supply facilities in urban railways

2) Maintenance basics

- Types, cycles, and organizational structure of periodic inspections

3) Maintenance details of substation, contact lines, power transmission, and distribution lines

- Maintenance details of substations, contact lines (overhead catenary system, overhead rigid conductor system, third rail system/ DC 1,500V, 600V), and power transmission and distribution (AC 22kV, 6.6kV, 3.3kV)

4) Initiatives of safety improvements

- Date recording analysis/monitoring
- Review of inspection and maintenance contents based on accidents, and breakdowns.

KEY DETAILS

Dates and Times **October 29 and 31, 2024 (The same content will be presented on each day.)**
 -October 29, 2024, 5:00 p.m. JST / 9:00 a.m. CET / 4:00 a.m. EDT <Duration: 2 hours>
 -October 31, 2024, 9:00 a.m. JST / 1:00 a.m. CET / 8:00 p.m. (30th) EDT <Duration: 2 hours>

Targets Basic Course: for those who have less than 3 years experience in the railway industry

Location Online (Microsoft Teams)

Language English

Lecture Fee 20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately.
 * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.

Certificate Attendance Certificate (digital) will be issued.

LECTURER



YOSHIKI SHIMIZU

Joined 2006. Engaged in planning, design, and maintenance of railway facilities, introduction of new technologies, and international procurement of goods. He acted as the test manager for the field test for the introduction of the stationary energy storage system for emergency driving.

More Info and application



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You can apply regardless of your field.

2024 No. 14	HR Training	Specialized and Cross-departmental Training Utilizing Training Facilities
	Basic Course	



Comprehensive Learning and Training Center



Specialized training



Cross-departmental drill

KEY POINT

By learning the overview of human resources development and practical training content utilizing training facilities, you will be able to use them as a reference when considering training and drills contents for human resources development.

OVERVIEW

To ensure safe and stable transportation, by putting customer safety first, Tokyo Metro is working to enhance employees' sense of mission and technical capabilities by conducting training utilizing the training center.

We will introduce the concept and implementation policy of human resources development, the training facilities of the training center, training and drills in each specialized field, and cross-departmental drills.

LECTURE CONTENTS

1) Overview of human resource development

- Approach to human resources development and implementation policy

2) Training facilities

- Training facilities in the training building and practical training lines at the Comprehensive Learning and Training Center

3) Training and drills in specialized fields

- Training in the fields of train and station operations, infrastructure, rolling stock, and electrical facilities

4) Cross-departmental drills

- Drills for each department working together to investigate and recover from the problem

KEY DETAILS

Dates and Times	November 19 and 21, 2024 (The same content will be presented on each day.) -November 19, 2024, 5:00 p.m. JST / 9:00 a.m. CET / 3:00 a.m. EST <Duration: 2 hours> -November 21, 2024, 9:00 a.m. JST / 1:00 a.m. CET / 7:00 p.m. (20th) EST <Duration: 2 hours>
Targets	Basic Course: for those who have less than 3 years experience in the railway industry
Location	Online (Microsoft Teams)
Language	English
Lecture Fee	20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately. * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.
Certificate	Attendance Certificate (digital) will be issued.

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Joined 2006. Engaged in planning, design, and maintenance of railway facilities, introduction of new technologies, and international procurement of goods. He acted as the test manager for the field test for the introduction of the stationary energy storage system for emergency driving.

More Info and application



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You can apply regardless of your field.



2024 No. 15	Service 2	Station Wayfinding Initiatives
	Basic Course	



Guidance sign system



Automatic passenger information display



Passenger app (Train and station information)

KEY POINT

By learning the need of station wayfinding and our station wayfinding initiatives through case studies, you will be able to use them as a reference when considering station wayfinding.

OVERVIEW

Tokyo Metro has been continuously working to improve station wayfinding to ensure that customers do not get lost in complex station structure of underground stations and connections to other lines.

We will introduce the need of station wayfinding, our guidance examples (sign system, display, and announcement), and improvement initiatives for station wayfinding on passenger app.

LECTURE CONTENTS

1) Need of station wayfinding

- Complex station structure of underground stations and connections to other lines

2) Guidance sign system

- Improvement initiatives on guidance sign system

3) Guidance by display and announcement

- Guidance initiatives of display and announcements in stations and trains

4) Passenger app

- Functions to provide information such as train operation information, train running position, route search, and congestion status

KEY DETAILS

Dates and Times	December 3 and 5, 2024 (The same content will be presented on each day.) -December 3, 2024, 5:00 p.m. JST / 9:00 a.m. CET / 3:00 a.m. EST <Duration: 2 hours> -December 5, 2024, 9:00 a.m. JST / 1:00 a.m. CET / 7:00 p.m. (4th) EST <Duration: 2 hours>
Targets	Basic Course: for those who have less than 3 years experience in the railway industry
Location	Online (Microsoft Teams)
Language	English
Lecture Fee	20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately. * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.
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LECTURER



YOSHIKI SHIMIZU

Joined 2006. Engaged in planning, design, and maintenance of railway facilities, introduction of new technologies, and international procurement of goods. He acted as the test manager for the field test for the introduction of the stationary energy storage system for emergency driving.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.

2024 No. 16	Infrastructure 2	Civil Engineering Maintenance
	Basic Course	



Tunnel



Bridge



Viaduct



DX for inspections

KEY POINT

By learning about the overall picture and specific examples of maintenance for civil engineering structures in Tokyo Metro, you will be able to use them as a reference when considering civil engineering maintenance.

OVERVIEW

Tokyo Metro's civil engineering structures include tunnels, bridges, and viaducts, which are maintained to ensure that trains can operate in safe and stable condition.

We will first introduce the rules set by the law and regulations in Japan for maintenance of railway civil engineering structures. And then introduce the periodic inspections and repairs, which are conducted by Tokyo Metro based on these rules.

In addition, the state of utilization of digital tools for efficient and effective periodic inspections will be introduced. Furthermore, examples of analysis and construction work to ensure the longevity of structures will be introduced.

LECTURE CONTENTS

1) Characteristics of civil engineering structures in Tokyo Metro

- Overview of civil engineering structures such as tunnels, bridges, and viaducts

2) Daily maintenance

- Periodic inspection contents and inspection cycle of civil engineering structures
- Repair work based on inspection results

3) Maintenance for longevity

- Reinforcement of structures by large-scale improvement works

4) Pursuit of efficient maintenance management utilizing digital tools

- Efficiency of maintenance management utilizing inspection apps and drone

KEY DETAILS

Dates and Times	December 10 and 12, 2024 (The same content will be presented on each day.) -December 10, 2024, 5:00 p.m. JST / 9:00 a.m. CET / 3:00 a.m. EST <Duration: 2 hours> -December 12, 2024, 9:00 a.m. JST / 1:00 a.m. CET / 7:00 p.m. (11th) EST <Duration: 2 hours>
Targets	Basic Course: for those who have less than 3 years experience in the railway industry
Location	Online (Microsoft Teams)
Language	English
Lecture Fee	20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately. * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.
Certificate	Attendance Certificate (digital) will be issued.

LECTURER



TAKU KANZAWA

Joined 2015. Based on his experience in civil engineering structure planning, design, construction management, and maintenance management, he has worked on overseas projects.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.



2025 No. 1	Train Operations 3	Train Driver Operation Basics - For safer and more accurate operation-
	Basic Course	



Train operation



Roll call



Training

KEY POINT

By learning safety improvement initiatives for urban railway train drivers in Japan that support high-density operation and mass transit, you will be able to use them as a reference when reviewing train driver's job details and improving safety.

OVERVIEW

Tokyo Metro operates nine lines with approximately 3,000 train crew members as drivers and conductors. Also, some lines have one-man train operation using ATO and reciprocal through service with other railway operators.

We will introduce operations of Tokyo Metro train drivers and the various efforts to make train operations safer and more accurate.

LECTURE CONTENTS

1) Overview of Train operation

- Overview of Tokyo Metro Lines, organization, and role of train drivers

2) Train driver's operation

- Daily flow of train driver's operation
- Safety measures taken in work on board

3) Train driver management

- Management of train drivers by supervisors (work management, attendance management, training management, etc.)

4) Initiative to improve safety in train operations

- Human resources development
- Collecting and sharing of near misses
- Operation improvement

KEY DETAILS

Dates and Times **January 14 and 16, 2025 (The same content will be presented on each day.)**
 -January 14, 2025, 5:00 p.m. JST / 9:00 a.m. CET / 3:00 a.m. EST <Duration: 2 hours>
 -January 16, 2025, 9:00 a.m. JST / 1:00 a.m. CET / 7:00 p.m. (15th) EST <Duration: 2 hours>

Targets Basic Course: for those who have less than 3 years experience in the railway industry

Location Online (Microsoft Teams)

Language English

Lecture Fee 20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately.
 * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.

Certificate Attendance Certificate (digital) will be issued.

LECTURER



MASAYUKI MUROGA

Joined 1983. Based on his experience as a station attendant, conductor, train driver, traffic control dispatcher, and transportation planner, he has worked on overseas projects.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.

2025 No. 2	Rolling Stock 2	Rolling Stock Maintenance Planning and Advanced ATO Control Function (Station Stop Accuracy & Ride Comfort)
	Advanced Course	



Rolling stock maintenance

KEY POINT

By learning the PDCA cycle in rolling stock maintenance, you will understand the necessary activities required for rolling stock maintenance and be able to perform high quality maintenance.

OVERVIEW

In order to support safe and stable transportation, Tokyo Metro performs planned and optimal rolling stock maintenance by grabbing and managing information on malfunctions and predictive signs to keep rolling stock in sound condition.

We will introduce an example of specific improvement activities to achieve higher quality transportation, along with the PDCA cycle in rolling stock maintenance.

LECTURE CONTENTS

1) Overview of rolling stock maintenance

- Basics about maintenance contents and cycles, etc.

2) PDCA cycle for rolling stock maintenance

- Introduction of specific activities to plan, implement, check, and improve maintenance

3) Higher quality transportation: Basic and advanced functions in ATO

-Improvement of stopping accuracy and ride comfort-

- Introduction of advanced functions of ATO (Automatic Train Operation), such as coordination with propulsion system and brake, improvement of stopping accuracy, and control methods for rainy weather and approaching preceding trains

KEY DETAILS

Dates and Times

January 21 and 23, 2025 (The same content will be presented on each day.)
 -January 21, 2025, 5:00 p.m. JST / 9:00 a.m. CET / 3:00 a.m. EST <Duration: 2 hours>
 -January 23, 2025, 9:00 a.m. JST / 1:00 a.m. CET / 7:00 p.m. (22nd) EST <Duration: 2 hours>

Targets

Advanced Course: for those who have 3 years or more experience in the railway industry.

Location

Online (Microsoft Teams)

Language

English

Lecture Fee

20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately.
 * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.

Certificate

Attendance Certificate (digital) will be issued.

LECTURER



SATORU OHASHI

Joined 2002. Based on his experience in rolling stock design (mainly electrical system), daily maintenance and troubleshooting in the inspection yard, failure management section, etc., he has worked on various overseas projects related to rolling stock.



DAIKI NAKAMURA

Joined 2009. Based on his experience in daily maintenance in the inspection yard, rolling stock design (mainly mechanical equipment), overseas procurement of rolling stock equipment, project management of newly built rolling stock, etc., he has worked on various overseas projects related to rolling stock.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.

2025 No. 3	Electrical Facilities 2	Energy Conservation Initiatives
	Advanced Course	



Stationary energy storage system



Station auxiliary power supply unit

KEY POINT

By learning an overview of various energy conservation equipment at Tokyo Metro and the process when considering such equipment, you will be able to use them as a reference when doing so.

OVERVIEW

We will introduce an overview of the various energy conservation equipment installed in Tokyo Metro, and also the sequence of events from the feasibility study to full-scale implementation of the stationary energy storage system and station auxiliary power supply unit for regenerative power equipment.

LECTURE CONTENTS

1) Introduction to energy conservation

- History of energy conservation technologies
- Status of energy consumption

2) Overview of various examples of energy conservation equipment

- Regenerative power equipment (Stationary energy storage system, Inverter for regenerative electric power, Station auxiliary power supply unit)
- Equipment for effective use of renewable energy (Solar power generation system, etc.)
- Energy conservation equipment

3) Technological development of energy conservation equipment

- From feasibility study to full-scale implementation of stationary energy storage system
- From feasibility study to full-scale implementation of station auxiliary power supply unit

4) Trend of energy conservation technologies

- Recent energy conservation related technological trends in the railway sector

KEY DETAILS

Dates and Times	January 28 and 30, 2025 (The same content will be presented on each day.) -January 28, 2025, 5:00 p.m. JST / 9:00 a.m. CET / 3:00 a.m. EST <Duration: 2 hours> -January 30, 2025, 9:00 a.m. JST / 1:00 a.m. CET / 7:00 p.m. (29th) EST <Duration: 2 hours>
Targets	Advanced Course: for those who have 3 years or more experience in the railway industry.
Location	Online (Microsoft Teams)
Language	English
Lecture Fee	20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately. * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.
Certificate	Attendance Certificate (digital) will be issued.

LECTURER



YOSHIKI SHIMIZU

Joined 2006. Engaged in planning, design, and maintenance of railway facilities, introduction of new technologies, and international procurement of goods. He acted as the test manager for the field test for the introduction of the stationary energy storage system for emergency driving.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.

2025 No. 4	Technology	Technology Development Initiatives
	Advanced Course	



Energy conservation rolling stock



Platform screen doors



Infrastructure

KEY POINT

By learning the process and examples of technology development, you will be able to use them as a reference when doing so.

OVERVIEW

Since the introduction of the world's first energy conservation rolling stock that combines a chopper-controller and a regenerative braking system in 1971, Tokyo Metro has been promoting technical development in various fields.

We will introduce the history of technology development, recent trends, examples of technology development, the process of technology development, and the contents of field tests and introductions.

LECTURE CONTENTS

1) History and recent trends of technology development

- The history of urban railway technology development in the past 50 years and the trend of technology development in recent years

2) Examples of technology development

- Examples of technology development in technical fields (rolling stock, infrastructure, and electrical facilities)

3) Process of technology development

- Processes required for technology development and details of implementation

4) Field test, introduction details

- Contents of field tests and introductions on railway operating lines

KEY DETAILS

Dates and Times **February 4 and 6, 2025 (The same content will be presented on each day.)**
 -February 4, 2025, 5:00 p.m. JST / 9:00 a.m. CET / 3:00 a.m. EST <Duration: 2 hours>
 -February 6, 2025, 9:00 a.m. JST / 1:00 a.m. CET / 7:00 p.m. (5th) EST <Duration: 2 hours>

Targets Advanced Course: for those who have 3 years or more experience in the railway industry.

Location Online (Microsoft Teams)

Language English

Lecture Fee 20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately.
 * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.

Certificate Attendance Certificate (digital) will be issued.

LECTURER



YOSHIKI SHIMIZU

Joined 2006. Engaged in planning, design, and maintenance of railway facilities, introduction of new technologies, and international procurement of goods. He acted as the test manager for the field test for the introduction of the stationary energy storage system for emergency driving.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.

2025 No. 5	Planning	New Line Planning
	Advanced Course	



New line



New station platform



New station ticket gate

KEY POINT

By learning examples on planning for new line constructions and existing line improvements (new stations and large-scale improvements), you will be able to use them as a reference when constructing new lines or improving existing lines.

OVERVIEW

Tokyo Metro has constructed new lines and improved existing lines (new stations and large-scale improvements) for its 9 lines.

We will introduce examples and planning methods for new line construction and existing line improvements.

LECTURE CONTENTS

1) Examples of new line construction

- New line construction opened in the past

2) Examples of existing line improvement

- New station constructions and large-scale improvement on existing lines

3) Planning for new line construction

- Various study items and planning process in the new line construction

4) Planning for existing line improvement

- Various study items and planning process in the existing line improvement

KEY DETAILS

Dates and Times

February 18 and 20, 2025 (The same content will be presented on each day.)

-February 18, 2025, 5:00 p.m. JST / 9:00 a.m. CET / 3:00 a.m. EST <Duration: 2 hours>

-February 20, 2025, 9:00 a.m. JST / 1:00 a.m. CET / 7:00 p.m. (19th) EST <Duration: 2 hours>

Targets

Advanced Course: for those who have 3 years or more experience in the railway industry.

Location

Online (Microsoft Teams)

Language

English

Lecture Fee

20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately.

* Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.

Certificate

Attendance Certificate (digital) will be issued.

LECTURER



YOSHIKI SHIMIZU

Joined 2006. Engaged in planning, design, and maintenance of railway facilities, introduction of new technologies, and international procurement of goods. He acted as the test manager for the field test for the introduction of the stationary energy storage system for emergency driving.

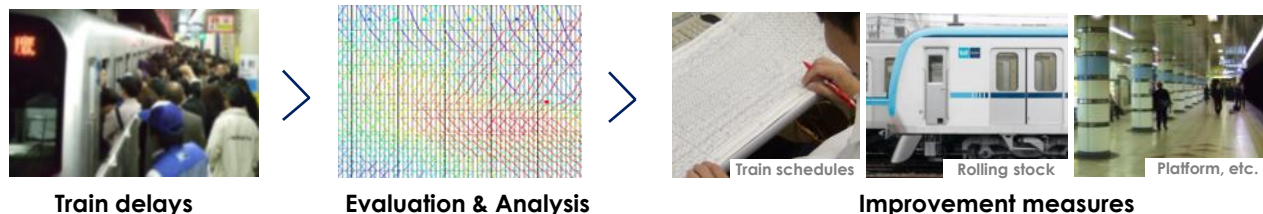
More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.

2025 No. 6	Train Operations 3	Effective Method for Enhancing Punctuality
	Advanced Course	



KEY POINT

By learning concrete examples of Tokyo Metro improvements, you will be able to use them as a reference when considering solutions to delays.

OVERVIEW

On the Tozai Line, Tokyo Metro's busiest line, we will introduce a series of processes that have improved punctuality in train operations through a combination of various measures based on the results of train delay surveys. The measures which have been implemented include analysis by Buffer Index (evaluation index of train delay quality), reviews of train schedules, changes of station operations, and improvements in various facilities.

LECTURE CONTENTS

1) Overview of train operations

- Overview of train operations on the nine Tokyo Metro lines, and transport records

2) Transport planning basics

- Basic concept of creating train schedules
Prerequisites (line conditions, rolling stock and ground equipment, number of passengers, etc.)
Setting of running time, station dwell time, running headway, etc.

3) Evaluation and analysis methods for delays

- Detailed analysis and evaluation using Buffer Index based on the overall picture of delays from train operation performance data and field survey results

4) Improvement measures for train delays

- Implemented measures including reviews of train schedules, changes of station operations, improvements in various facilities (signaling, rolling stock, station facilities) and their effectiveness (44% improvement on max delay time) to improve the delay on the Tozai Line, the busiest Tokyo Metro line, based on the analysis and evaluation results

KEY DETAILS

Dates and Times	February 25 and 27, 2025 (The same content will be presented on each day.) -February 25, 2025, 5:00 p.m. JST / 9:00 a.m. CET / 3:00 a.m. EST <Duration: 2 hours> -February 27, 2025, 9:00 a.m. JST / 1:00 a.m. CET / 7:00 p.m. (26th) EST <Duration: 2 hours>
Targets	Advanced Course: for those who have 3 years or more experience in the railway industry.
Location	Online (Microsoft Teams)
Language	English
Lecture Fee	20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately. * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.
Certificate	Attendance Certificate (digital) will be issued.

LECTURER



KOHEI USHIDA

Joined 1984. Based on his experience as a station attendant, conductor, train driver, traffic control dispatcher, transportation planner, and driver trainer, he has worked on a variety of overseas projects. He also contributed to the development of the Buffer Index.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.



How To Apply for Online Courses



1 Apply to this course

Please click the link below. Choose a convenient date for you, and proceed with the application and payment for the course.

Tokyo Metro Academy Official Website

<https://sites.google.com/tokyometroacademy.com/index>

When your payment has been confirmed, the host will send you an invitation email.

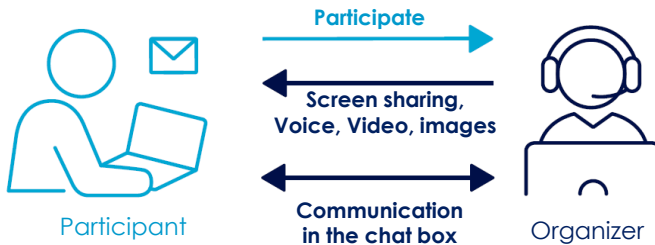


2 Application starts on April 24, 2024

* The cut-off date is 1 day before each course.

3 How to participate (Virtual classroom: Microsoft Teams)

Click the link in the invitation email. The link will be open before 20 minutes the course starts.



Please note

- Please agree to the Terms of Service in order to apply. Please refer to the aforementioned PDF on the official website for the Terms of Service.

- The application method from within Japan is different than from overseas. Please refer the official website for more details.

- Participants are requested to prepare the tools needed for taking the Online Courses.

Contact us : tokyometro-online-courses@tokyometro.jp



Tokyo Metro Company Profile

COMPANY OUTLINE

(As of March, 2023 unless stated otherwise.)

Company Name	Tokyo Metro Co., Ltd.
Capital	¥58.1 billion
Stockholders	National Government (53.4%), Tokyo Metropolitan Government (46.6%)
Net Sales	¥327.0 billion (FY2022)
Number of Employees	9,721 employees

Railway Business

Transport Services that Support the City Function of Tokyo



9

Subway lines



Tokyo Metro Network **195km**

Reciprocal through-services operated with other rail transport companies/**556.6 km**



99.5% (FY2022)

The on-time performance rate calculated from the arrival rate within 5 minutes on all lines is 99.5%.



180

Stations

Operates nine subway lines and 180 stations in and around central Tokyo.



7.55million (FY2019)

5.95million (FY2022)

Average passengers per day

A vital link in Tokyo's transportation network



Non-rail Businesses

Growth of the Tokyo Metro Group

Retail-related Business

The variety of new, convenient, user-friendly commercial facilities under development in stations for customers.



Advertising and IT Business

A wide range of media inside stations and trains, and leasing fiber-optic cables installed on all lines.



Real Estate Business

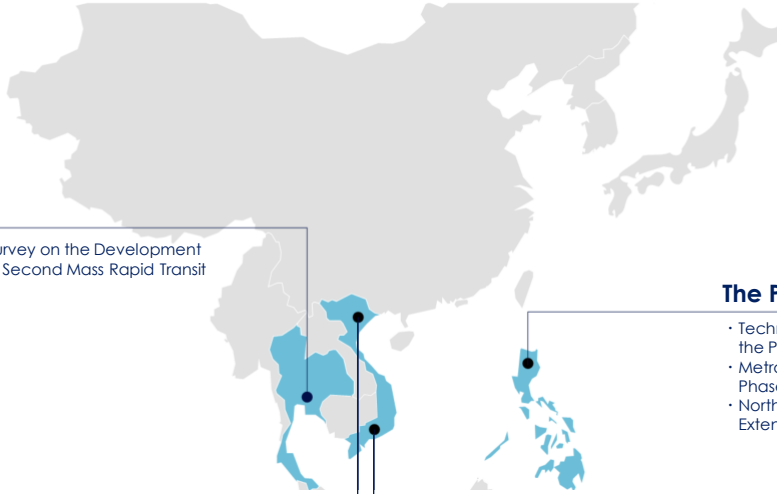
Developed office buildings, hotels, housing, a golf driving range, and rental storage primarily in areas near Tokyo Metro railway lines.





Tokyo Metro Overseas Railway Business

Tokyo Metro is harnessing its expertise on the operation and maintenance of urban railways to provide various forms of technical cooperation and assistance for overseas urban railway operators.



Thailand

Data Collection Survey on the Development of Blueprint for the Second Mass Rapid Transit Master Plan

Vietnam

- Assistance for Hanoi Metro Company and Ho Chi Minh City Urban Railways No.1 Company Limited through local subsidiary Vietnam Tokyo Metro One Member Limited Liability Company
- The Project on Strengthening Management Ability of Operation and Maintenance Company for the Opening of Urban Railway Line 1 in Ho Chi Minh City
- Project for Strengthening the Urban Railway Training Capacity for Railway College

The Philippines

- Technical Assistance Project to Establish the Philippine Railways Institute
- Metro Manila Subway Project (MMSP) Phase 1 General Consultant
- North-South Commuter Railway Extension Project General Consultant

Training consulting

From an overview to detailed content, Tokyo Metro can provide assistance that meets your needs. We are looking forward to hearing from you about your training consulting needs.



Technical assistance for the establishment of training centers



Instructor training



Development of training programs



Customized online courses



Technical assistance for operations and maintenance

Technical assistance for the Philippines

In the Philippines, we are taking part in "the Technical Assistance Project to Establish the Philippine Railways Institute" to establish the institute and formulate the scheme to train personnel, in turn improving their managerial capabilities, in order to establish training system for urban railway staff.



Contact us

tokyometro-online-courses@tokyometro.jp