

PROMPT

Promote technical education reform of mechanics and electrification to professional technicians

TRAINING FOR TEACHERS



THEORY

Timeline:

Start: September 17, 3018

End: September 28, 2018

No	Contents	Class period (45')
I	History of Ele & Esc ✓ Definition ✓ World history of Ele & Esc ✓ Vietnam history of Ele & Esc ✓ KONE History	8
II	Structure of Ele & Esc ✓ Main component of Ele & Esc ✓ Machine-room elevator ✓ Machine-room less elevator	8

THEORY

No	Contents	Class period (45')
III	Safety and quality regulations in the installation of ele & esc ✓ National standards of Elevator ✓ Safety symbols and warnings ✓ National standards of Escalator ✓ Regulations for safety assessment in elevators ✓ Safe installation tools ✓ Order of elevator installation ✓ Safety inspection of elevator	10
IV	Management and usage of equipment ✓ Principles of elevator operation ✓ Guide to use and operate elevator ✓ Procedure in elevator rescue ✓ Check safety circuit of elevator	4

PRACTICE

Timeline:

- Start: September 17, 3018
- End: September 28, 2018



No	Contents	Class period (45')
I	Safety and Quality Training – Elevator Installation Methods VR learning introduction	8
II	2 Groups: VR vs. Actual Installation Practice VR-based Installation ✓ Plumbing ✓ Shaft installation ✓ Rail Installation ✓ Car Installation ✓ Landing door Installation	22

Agenda Breakdown – Theory

Introduction; History; Structure of Equipment

Day 1	September 17	
Time	Content	Trainer(s)
9.00-9.10	Safety instructions on fire exits	Safety & Quality Manager – Di Anh
9.10-10.00	Introductions - Collaboration model - Training Center - Summary of training programs for Teacher and Student	School Board KONE's representative ASSIST's representative Chinh Nguyen
10.00-10.15	Break	
10.15-12.00	Introduction to Elevator and Escalator industry	Chew Yeng Fook & Nghia Truong
12.00-13.00	Lunch	
13.00-15.00	Basic Elevator History and Components	Chew Yeng Fook & Nghia Truong
15.00-15.15	Break	
15.15-17.00	Basic Elevator History and Components	Chew Yeng Fook & Nghia Truong

Day 2	September 18	
Time	Content	Trainer(s)
9.00-10.00	Recap of a physical Elevator	Chew Yeng Fook & Cuong Nguyen
10.00-10.15	Break	
10.15-12.00	Lift control theory	Chew Yeng Fook & Cuong Nguyen
12.00-13.00	Lunch	
13.00-15.00	Lift control theory	Chew Yeng Fook & Cuong Nguyen
15.00-15.15	Break	
15.15-16.00	Lift control theory (wrap up)	Chew Yeng Fook & Cuong Nguyen
16.00-17.00	Lift control on site - Machine room visit	Chew Yeng Fook & Cuong Nguyen

Agenda Breakdown – Theory

Introduction; History; Structure of Equipment

Day 3	September 19	
Time	Content	Trainer(s)
9.00-10.15	Basic Escalator history	Chew Yeng Fook Cuong Nguyen
10.15-10.45	Break	
10.45-12.00	Escalator components	Chew Yeng Fook Cuong Nguyen
12.00-13.00	Lunch	
13.00-15.00	Introduction to EN115	Cuong Nguyen
15.00-15.15	Break	
15.15-17.00	Introduction to EN115	Cuong Nguyen

Day 4	September 20	
Time	Content	Trainer(s)
9.00-10.00	Basic Escalator on site	Cuong Nguyen & Chew Yeng Fook
10:00-10.15	Break	
10.15-12.00	Basic Escalator on site	Cuong Nguyen & Chew Yeng Fook
12.00-13.00	Lunch	
13.00-15.00	Recap	Cuong Nguyen & Chew Yeng Fook
15.00-15.15	Break	
15.15-17.00	Recap & Kahoot! quiz	Chew Yeng Fook & Cuong Nguyen

Safety and quality regulations in Elevator & Escalator installation

Day 5	September 21	
Time	Content	Trainer(s)
09.00-10.15	National standards of Elevator (TCVN)	Linh Truong
10.15-10.30	Break	
10.30-11.00	Safety symbols and warnings	Linh Truong
11.00-12.00	National standards of Escalator (TCVN)	
12.00-13.00	Lunch	
13.00-14.15	Regulations for safety assessment in elevators	Nghia Truong
14.15-15.00	Safe installation tools	Nghia Truong
15.00-15.15	Break	
15.15-16.15	Order of elevator installation	Nghia Truong
16.15-17.00	Safety inspection of elevator	Nghia Truong

Management and usage of equipment & VR Introduction

Day 6	September 24	
Time	Content	Trainer(s)
09.00-10.15	Principles of elevator operation	Chinh Nguyen
10.15-10.30	Break	
10.30-12.00	Guide to use and operate elevator Procedure in elevator rescue	Tung Pham
12.00-13.00	Lunch	
13.00-15.00	Safety Training & Elevator Installation Method	Anh Thai
15.00-15.15	Break	
15.15-17.00	Safety Training & Elevator Installation Method VR Safety (Demonstrated by Quy Nguyen)	Anh Thai Quy Nguyen

E-learning & VR Introduction

VR Practice

Day 7	September 25				
Time	Content				Trainer(s)
	Group 1 (4 people)	Group 2 (4 people)	Group 3 (4 people)	Group 4 (3 people)	
9:00-9:30	VR Introduction (presentation)		Self-revision day	Self-revision day	Quy Nguyen (Son Chu)
9:30-10:00	E-learning introduction (for employee and manager modules)		Self-revision day	Self-revision day	Dung Tran
10:00-10:15	Break		Self-revision day	Self-revision day	
10:15-12:00	VR Tutorial & VR General Module	E-learning about VR	Self-revision day	Self-revision day	Quy Nguyen, Son Chu Dung Tran
12:00-13:00	Lunch		Self-revision day	Self-revision day	
13:00-13:45	VR Tutorial & VR General Module	E-learning about VR	Self-revision day	Self-revision day	Quy Nguyen, Son Chu Dung Tran
13:45-14:00	Break		Self-revision day	Self-revision day	
14:00-16:30	E-learning about VR	VR Tutorial & VR General Module	Self-revision day	Self-revision day	Quy Nguyen, Son Chu Dung Tran
16.30-17.00	Wrap up / Q&A		Self-revision day	Self-revision day	Chinh Nguyen

E-learning & VR Introduction

VR Practice

Day 8	September 26				
Time	Content				Trainer(s)
	Group 1 (4 people)	Group 2 (4 people)	Group 3 (4 people)	Group 4 (3 people)	
9:00-9:30	Self-revision day	Self-revision day	VR Introduction (presentation)		Quy Nguyen (Son Chu)
9:30-10:00	Self-revision day	Self-revision day	E-learning introduction (for employee and manager modules)		Dung Tran
10:00-10:15	Self-revision day	Self-revision day	Break		
10:15-12:00	Self-revision day	Self-revision day	VR Tutorial & VR General Module	E-learning about VR	Quy Nguyen, Son Chu Dung Tran
12:00-13:00	Self-revision day	Self-revision day	Lunch		
13:00-13:45	Self-revision day	Self-revision day	VR Tutorial & VR General Module	E-learning about VR	Quy Nguyen, Son Chu Dung Tran
13:45-14:00	Self-revision day	Self-revision day	Break		
14:00-16:30	Self-revision day	Self-revision day	E-learning about VR	VR Tutorial & VR General Module	Quy Nguyen, Son Chu Dung Tran
16.30-17.00	Self-revision day	Self-revision day	Wrap up / Q&A		Chinh Nguyen

VR Practice

Day 9	September 27				
Time	Content				Trainer(s)
	Group 1 (4 people)	Group 2 (4 people)	Group 3 (4 people)	Group 4 (3 people)	
9:00-10:30	Self-revision day	Self-revision day	Rail and Door installation	Self-revision day	Quy Nguyen Son Chu
10:45-12.00	Self-revision day	Self-revision day	Self-revision day	Rail and Door installation	Quy Nguyen Son Chu
13.00-15.00	Rail and Door installation	Self-revision day	Self-revision day	Self-revision day	Quy Nguyen Son Chu
15.30-17.00	Self-revision day	Rail and Door installation	Revision	Revision	Quy Nguyen Son Chu

Assessment Test

Day 10	September 28	
Time	Content	Trainer(s)
9:00-10:00	Review the course - All knowledge has been delivered - Q&A	Chinh Nguyen Nghia Truong Tung Pham
10:00-10:15	Break	
10:15-11.15	Assessment test - General knowledge of elevator & escalator industry - Structure / components - Basic functions - Health & Occupational Safety	Chinh Nguyen Tung Pham Nghia Truong
11.15-13.00	Lunch	
13:00-14:00	Assessment Test - European Standards - TCVN - Installation process (focusing on Rail, Landin Door)	Chinh Nguyen Tung Pham Nghia Truong
14:00-14:15	Break	
14:15-15:00	Fun quiz with Kahoot / Menti	Dung Tran
15.00-15.30	Feedback / Evaluation Forms	
15:30-16:00	Wrap up sessions Training course participation certification distribution	Chinh Nguyen School Board
16:00-19:00	Dinner together and deliver gifts for 3 Kahoot winners	Teacher, KONE, Assist

