



INTEGRAL COACH FACTORY

Technical Training Centre

Training Calendar : 2021-22



Technical Training Centre
ICF, Chennai-600038

TECHNICAL TRAINING CENTRE

Training Calendar : 2021-22

General Information	
Name of the Principal	D. Neelakandan
Phone No./CUG No.	044-26147612 / 9003141406
Fax No.	044-26281227
Email-ID	ptcttc2015@gmail.com, ptc@icf.railnet.gov.in
Training Timings	Monday to Friday : 08.00 to 12.00 Hrs & 13.00 to 17.00 Hrs Saturday : 08.00 to 13.00 Hrs
Hostel facilities	ICF Subordinate Rest house for outstation Supervisors & Apprentice Hostel for outstation Artisan Trainees

Important Contact Numbers			
Name & Designation	Rly. Phone	Mobile Number	BSNL
I. Antony, Ch.OS/TTC	47622	9003149523	044-261-47622
Dr.M.Abdul Razak(SSE-Hostel)	47757	9003149716	044-261-47757
Apprentice Hostel	47757	-	044-261-47757
Subordinate Rest House	47756	-	044-261-47756

List of Holidays for the year 2021

Date	Occasion	Date	Occasion	Date	Occasion
01-01-2021	New Year's Day	14-05-2021	Ramzan	25-12-2021	Christmas
14-01-2021	Pongal	15-08-2021	Independence Day	27-12-2021 To 31-12-2021	Factory Holidays
26-01-2021	Republic Day	10-09-2021	Vinayagar Chaturthi		
14-04-2021	Tamil New Year's Day / Dr. B.R Ambedkar's Birthday	02-10-2021	Gandhi Jayanthi		
01-05-2021	May Day	04-11-2021	Deepavali		

About the training centre

TTC

- A school of excellence in skill development attached with Basic Training Workshop
- Inaugurated on 20th March 1954
- TTC has been imparting necessary technical knowledge and expertise to
 - Artisans & Supervisors of ICF and other Railway Units
 - Act apprentices under Apprenticeship act 1961 &
 - BOAT apprenticeship
- TTC Campus is one of the few green zones in and around ICF maintained by the staff and act apprentices of TTC.

Special Courses (2021 - 22)

S. No	Course Code	Name and Topics of the course	In-charge		Duration (in days)	Frequency
			I	II		
1	PPC	Production Planning And Control	NCR	GS	2	Once in 3 months
2	MPWS	M & P, Works Contract and Stores	SB	MDS	2	Once in 3 months
3	SC	Standards and Certifications	SGR	JSK	2	Once in 3 months
4	BS	Braking Systems -Design And Concepts	DJB	SRK	2	Once in 3 months
5	CPMP	Corrosion Prevention And Modernized Painting System	ACS	SK	2	Once in 3 months
6	BDF	Bogie - Design And Features	RSK	NRK	2	Once in 3 months
7	ASDP	Advanced Supervisory Development Program	PCN	NRK	3	Once in 3 months
8	EEC	Energy efficiency Course	KSS	MS	2	Once in 3 months
9	EOHSR	Environment Occupational Health and Safety Requirements	KMK	VSN	2	Once in 3 months
10	MT	Mechatronics	KSS	RSK	3	Once in 3 months
11	LHB	LHB-Manufacturing And Features	GBS	SN	2	Once in 3 months
12	PV	Preventive Vigilance	AVM	ACS	2	Monthly once

Refresher Training (2021 - 22)

13	APP	Accident Prevention Program	SK	KMK	2	Once in 3 months
14	CAP	Computer Applications (MS-Office and Networking)	BUK	GS	10 (AN)	Every Month
15	ACE	3 Phase IGBT– Propulsion Systems	NVH	MS	2	Once in 3 months
16	AR	Administrative Rules	MDS	PCN	2	Once in 3 months
17	TS	Technical Skills	NCR	JSK	2	Once in 3 months
18	EOHS	Environment Occupational Health & Safety	SGR	VSN	1	Once in 3 months

TRAINING SCHEDULE

Special Courses (2021 – 22)

Sl. No	Course Code	Course Title	Target Audience	Freq. (months)	Duration (days)	YEAR 2021 - 2022												Course In-Charge
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
1	PPC	Production Planning And Control	Supervisors	3	2	1			1			7			6			NCR / GS
2	MPWS	M & P, Works Contract and Stores	Supervisors	3	2			9			8			8			9	SB / MDS
3	SC	Standards and Certifications	Supervisors	3	2	15			21			20			19			SGR / JSK
4	BS	Braking Systems - Design And Concepts	Supervisors	3	2		12			11			17			9		DJB / SRK
5	CPMP	Corrosion Prevention And Modernized Painting System	Supervisors	3	2		19			18			18			16		ACS / SK
6	BDF	Bogie - Design And Features	Supervisors	3	2			23			22			22			23	RSK / NRK
7	ASDP	Advanced Supervisory Development Program	Supervisors & Ministerial Staff	3	3		5			4			10			2		PCN / NRK
8	EEC	Energy efficiency Course	All Staff	3	2	7			7			13			5			KSS / MS
9	EOHSR	Environment Occupational Health and Safety Requirements	Supervisors & Ministerial Staff	3	2			16			15			15			16	KMK / VSN
10	MT	Mechatronics	Supervisors	3	3			2			1			1			2	KSS / RSK
11	LHB	LHB-Manufacturing and Features	Supervisors	3	2		26			25			24			23		GBS / SN
12	PV	Preventive Vigilance	All Employees	Monthly	2	12	3	7	5	2	6	4	8	6	10	7	7	AVM / ACS

Refresher Training (2021 – 22)

13	APP	Accident Prevention Program	Accident Victims of all employees	3	2	22			28			21			27			SK / KMK
14	CAP	Computer Applications (MS-Office and Networking)	Supervisors & Ministerial Staff	1	10 (ANN)	6	6	11	6	5	13	5	4	10	4	3	11	BUK / GS
15	ACE	3 Phase IGBT– Propulsion Systems	Supervisors	3	2	28			30			28			27			NVH / MS
16	AR	Administrative Rules	Technicians	3	2		20			12			25			10		MDS / PCN
17	TS	Technical Skills	Technicians	3	2		27			26			29			17		NCR / JSK
18	EOHS	Environment Occupational Health & Safety	Technicians	3	1			25			29			24			30	SGR / VSN

Special Courses (2021 – 22)

S. No	Course Code	Target Audience	Title and Topics of the Course	In-charge		Duration (days)
				I	II	
1	PPC	Supervisors	Production Planning and Control -Role Of Data Centre and Computer Awareness -ERP and Project Lifecycle Management (PLM) Systems -Functions Of Process Planning and Latest Trends -Out-Sourcing Procedure -Functions of MPO -Functions of PCO -Incentive Systems in ICF and Group Incentive System	NCR	GS	2
2	MPWS	Supervisors	M & P, Works Contract and Stores -Works Programme -M & P Programme -Lumpsum and SOP -Works Contract - Types of Tender and Procurement, -Disposal of Surplus Items- Procedures	SB	MDS	2
3	SC	Supervisors	Standards and Certifications -ISO:9001 - QMS -ISO:14001 - EMS -OHSAS - ISO:45001-2018 -ISO/TS:22163 - IRIS(RQMS) -5S -Auditing Procedure	SGR	JSK	2
4	BS	Supervisors	Braking Systems -Design And Concepts -Air Brake & LHB Braking System -EP Brake & Regenerative Braking system -Air Assisted Toilet System -Train-18 Braking System -Design Aspects & RDSO Specification for Brakes -Air Brake Testing procedure & Working model at BTW	DJB	SRK	2
5	CPMP	Supervisors	Corrosion Prevention And Modernized Painting System -Corrosion& Types of Paints (PU,WB) -Paint booth Systems and Robotic Paintings -Safety and Environment -Requirements of Paints and Test Methods -Painting Defects and Remedies -Process Qualification Report (PQR) -Painting Cost	ACS	SK	2
6	BDF	Supervisors	Bogie - Design and Features -Evolution of Bogie Design -Design features of Bogies -Fabrication and Inspection of Bogie Components -Assembly and Testing of Bogie -Dynamics of Vehicles -Global Scenario of Bogie Design	RSK	NRK	2

S. No	Course Code	Target Audience	Title and Topics of the Course	In-charge		Duration (days)
				I	II	
7	ASDP	Supervisors & Ministerial Staff	Advanced Supervisory Development Program -Industrial Safety and Legal Compliance -Man Power Planning (Right sizing / Out sourcing) -Yoga -Enterprise Resource Planning (ERP) -Leadership and Presentation Skills -Identification of Training Needs -Noting & Drafting -Works Program – Rules& Procedure -Design & Development (Concepts, SOD and Materials) -Online applications	PCN	NRK	3
8	EEC	All Staff	Energy efficiency Course -Introduction to ISO 50001- EnMS Energy conservation on Lighting System - Energy Conservation on Electric Motor Energy Conservation on Electrical Power System - Ventilation & Air Conditioning - Energy conservation on Compressor & Compressed Air System – Energy conservation on Pumps, Energy conservation - Energy conservation measures adopted in ICF	KSS	MS	2
9	EOHSR	Supervisors & Ministerial Staff	Environment, occupational health and Safety Requirements -Energy Management/Conservation -Environmental and safety risk assessment -Pollution & control measures in ICF, -Legal & statutory requirements in ICF -Industrial Safety and material handling in ICF - ETP/STP	KMK	VSN	2
10	MT	Supervisors	Mechatronics -Introduction to Mechatronics, -Hydraulic & Pneumatic systems, - Hydraulic Valves, - CNC machines, - Basic Digital Electronics & Signal Conditioning Concepts, - PLC concepts, - Practicals on Pneumatic circuits, - Practicals on Hydraulic circuits, - Practicals on PLC circuits,	KSS	RSK	3
11	LHB	Supervisors	LHB-Manufacturing and Features - Mechanical Design Features of LHB - Electrical Design Features of LHB - Types of Stainless Steel, Application & Its Welding - Manufacturing of FIAT Bogie - Braking System - SPMs used in LHB Manufacturing - Introduction to Rubber and Its usage	GBS	SN	2
12	PV	All Employees	Preventive Vigilance -Overview and Importance of PV - Dos and Don'ts in Tender and Contracts, Procurement (Goods) - Dos and Don'ts in Commercial, Traffic and Establishment matters - Dos and Don'ts in Ele, S & T, Mech and Cleaning Contract - Transparent and Honest Working - E – initiatives of Indian Railways - Ethical behavior and Sathyarishta	AVM	ACS	2

Refresher Training (2021 – 22)

S. No	Course Code	Target Audience	Title and Topics of the Course	In-charge		Duration (days)
				I	II	
13	APP	Accident Victims of all employees	Accident Prevention Program - Material handling & Welding safety - Types of accident, Analysis and PPEs , - Electrical and Fire safety - Machine & Maintenance Safety - Preventive methods - Communication & Coordination in Accidents	SK	KMK	2
14	CAP	Supervisors & Ministerial staff	Computer Applications (MS-Office and Networking) - Basic concepts of Computer and OS, - Managing Files and Folders, - Word processing and MS Office, - Spread sheet introduction and MS Excel, MS Power Point, - Introduction to Internet and World Wide Web, & E-MAIL	BUK	AVM	10 (AN)
15	ACE	Supervisors	3 Phase IGBT– Propulsion Systems - Shell structure Integration - Interior Furnishing Features, - Electro pneumatic Brake system, - Bogie Details - Electrical Features, 3 phase technology in AC EMU, - Power circuit& Major Electrical Equipment's, - Auxiliary power system	NVH	MS	2
16	AR	Technicians	Administrative Rules - Factories Act - Leave rules, Pass rules, - DAR - Loans and Allowances - CSU	MDS	PCN	2
17	TS	Technicians	Technical Skills - Time study - Incentive scheme - Reading of drawings, Materials used in Coaches - Quality Control	NCR	JSK	2
18	EOHS	Technicians	Environment Occupational Health & Safety - Energy conservation - Global warming & Climate change - Pollution & control measures in ICF - Environment and Safety management in ICF	SGR	VSN	2

IMPORTANT INSTRUCTIONS

All trainees coming for training at TTC/AWTI shall adhere to following instructions

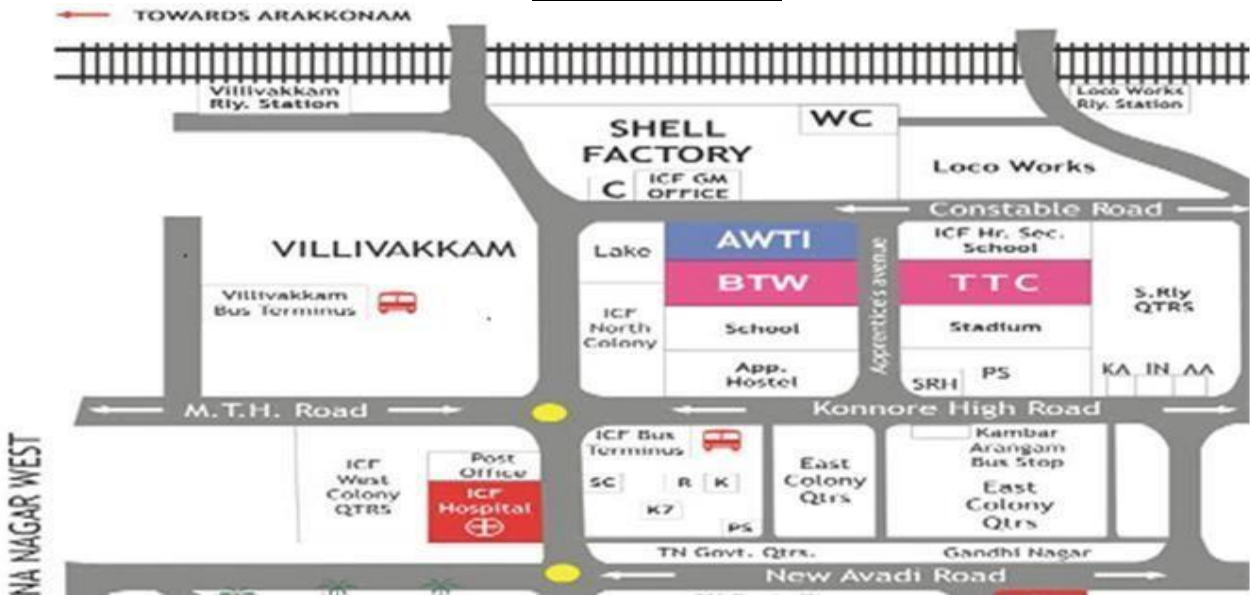
1. Discipline, sincerity and punctuality are the foremost qualities expected from the trainees.
2. Trainees shall bring their own safety shoes. PPEs will be provided for doing welding practice.
3. Trainees having corrected vision must wear their spectacles during welding.
4. Trainees shall report with Photo ID card and relieving letter.
5. Trainees shall bring two passport size photographs.
6. Hostel accommodation is available for outstation trainees only. No mess facility is available in the hostel but canteen services are available in administrative office during office hours.
7. No cooking is allowed in the hostel.
8. Hostel accommodation shall be confirmed well in advance.

TTC Faculty and Abbreviations Used

1	ACS	A. Chandra Sekara Reddy	12	MDS	M. Dhanasamy	23	SGR	S. Govindarajan
2	AVM	A.V.Mathappan	13	MS	M. Sandeep	24	SK	S. Kannan
3	BUK	B. Udayakumar	14	MSV	M. Srinivas	25	STR	S. TirupatiRao
4	DJB	D. JanardhanaBabu	15	NCR	N.C. Ramakrishna	26	SN	S. Nakkiran
5	GBS	G. Balasubramani	16	NRK	N. Ravi Kumar	27	SRK	S. Rajkumar
6	GS	G. Sriram	17	NSK	N. Saikumar	28	TSK	T. Senthil Kumar
7	IMP	I. Manipandi	18	NVH	N.V. Harikumar	29	VM	V. Muniraj
8	JAS	James Adward Surin	19	PAH	P.A . Hareesh Kumar	30	VSN	V. Swaminathan
9	JSK	J. Sathheeh Kumar	20	PCN	P. Chandran			
10	KMK	K. Muralikrishna	21	RSK	R. Sivaramakrishnan			
11	KSS	K.S. SenthilKumaravel	22	SB	S. Babu			



ROUTE MAP-TTC



How to Reach

By train : From Chennai Central - Catch suburban train towards AVADI direction and alight at Loco Works/ Villivakkam Railway station and then by walk/Autorickshaw to reach TTC/AWTI.

By Bus: Bus Nos. 20,20A,20B, 20C & 120 from Chennai Central & 22B, 27D & 27K from Chennai Egmore

Bus Stop –“*Kambar Arangam*” on KH Road.

Important : In view of COVID-19 situation, it is advised to send the nominations atleast 10 days before course start date to ensure course capacity is not exceeded and to ensure availability of accommodation for outstation candidates.