

# Invest in TRAINING, save COST



## Training Calendar

Switchgear Training Centre  
April 2019 - March 2020

## TRAINING PROGRAMME DETAILS

PROGRAM CODE	TRAINING PROGRAM	NO. OF DAYS	PROGRAM CONTENTS	USEFUL FOR	INVESTMENT (GST EXTRA) ₹
LT01	SELECTION OF LV SWITCHGEAR AND APPLICATIONS	5	<ul style="list-style-type: none"> <li>• LV switchgear terminologies &amp; Relevant standards</li> <li>• Selection &amp; Application of ACB, MCCB, SDF, HRC Fuse, Contactor, Relay, MCB, RCCB etc.</li> <li>• Fault Level calculation for LV system</li> <li>• Motor Starter Selection with Type 2 co-ordination</li> <li>• Selectivity/Discrimination among various switchgears</li> <li>• Overview of busbar trunking systems, Panel Meters, Timers &amp; Time Switch</li> <li>• P.F Improvement, APFC Relay, Overview of Harmonics</li> </ul>	<ul style="list-style-type: none"> <li>• Consultants</li> <li>• Panel Builders</li> <li>• End User - Projects, O&amp;M Team</li> <li>• OEMs</li> </ul>	17,000
LT02	BEST MAINTENANCE PRACTICES IN LV SWITCHGEAR	5	<ul style="list-style-type: none"> <li>• Recommended Maintenance practices (Routine, Preventive &amp; Predictive).</li> <li>• Type 2 Coordination for Motor Components selection</li> <li>• Settings on ACB/MCCB to achieve Selectivity</li> <li>• Hands-on session on Testing, Troubleshooting &amp; Maintenance</li> <li>• Electrical Safety</li> <li>• P.F Improvement &amp; Effects of Harmonics</li> </ul>	<ul style="list-style-type: none"> <li>• End Users - Plant Maintenance</li> <li>• Contractor's Team</li> <li>• Service centres</li> </ul>	17,000
LT03	BREAKER MAINTENANCE WORKSHOP - C-POWER ACB	3	<ul style="list-style-type: none"> <li>• Types of ACB &amp; Applications</li> <li>• Understanding of parts &amp; Operation of ACB</li> <li>• Mounting &amp; Testing of Accessories</li> <li>• Calibration of Arcing Contact</li> <li>• Replacement of Contact assembly &amp; Calibration</li> <li>• Testing &amp; Setting of Protection Releases</li> <li>• Recommended Maintenance Practices</li> </ul>	<ul style="list-style-type: none"> <li>• End Users - Plant Maintenance</li> <li>• Contractor's Team</li> <li>• Service centres</li> </ul>	9,900
LT04	BREAKER MAINTENANCE WORKSHOP - OMEGA ACB	2	<ul style="list-style-type: none"> <li>• Types of ACB &amp; Applications</li> <li>• Understanding of parts &amp; Operation of ACB</li> <li>• Mounting &amp; Testing of Accessories</li> <li>• Replacement of Contact assembly</li> <li>• Testing &amp; Setting of Protection Releases</li> <li>• Recommended Maintenance Practices</li> </ul>	<ul style="list-style-type: none"> <li>• End Users - Plant Maintenance</li> <li>• Contractor's Team</li> <li>• Service centres</li> </ul>	6,600
LT05	ELECTRICAL DESIGN OF SWITCHGEAR ASSEMBLY	3	<ul style="list-style-type: none"> <li>• LV Switchgear &amp; Switchboard Terminologies</li> <li>• Panel Design Aspects as per IEC 61439</li> <li>• Fault level Calculation for LV System</li> <li>• Forms of Separation, Ingress Protection (IP)</li> <li>• Busbar design</li> <li>• Termination Practices</li> <li>• Thermal Management in Switchboards</li> <li>• Selection of CTs &amp; Power Cables</li> <li>• Importance &amp; Sizing of Control Transformers</li> <li>• Design Verification &amp; Routine Test as per IEC 61439</li> <li>• Earthing as applicable to Switchboards</li> </ul>	<ul style="list-style-type: none"> <li>• Consultants</li> <li>• Panel Builders</li> <li>• End User - Projects</li> <li>• OEMs</li> <li>• Contractor's Team</li> </ul>	12,600
LT06	POWER DISTRIBUTION IN BUILDINGS	2	<ul style="list-style-type: none"> <li>• Elements of Power Distribution in buildings</li> <li>• Load estimation, sizing of Transformers, DG sets &amp; UPS.</li> <li>• Selection of Low Voltage switchgears, Distribution boards</li> <li>• Selection of BBT &amp; Cables</li> <li>• Fault Level calculations</li> <li>• Earthing basics, relevant IE rules</li> </ul>	<ul style="list-style-type: none"> <li>• Consultants</li> <li>• Panel Builders</li> <li>• Builders - Project Team</li> <li>• Contractor's Team</li> </ul>	8,800
LT07	ELECTRICAL SAFETY	1	<ul style="list-style-type: none"> <li>• Importance of Safety, Types of Hazards</li> <li>• Safety in Residence, Industrial and Commercial Premises</li> <li>• Hazard identification, detection and control – Fire and Shock Hazard prevention, Arc fault and prevention of the same</li> <li>• Requirements by norms - Local norms, central norms.</li> <li>• OHSAS requirement, First aid in case of Electric shock and burns.</li> <li>• Safety features in Switchgear &amp; Switchgear Assembly</li> </ul>	<ul style="list-style-type: none"> <li>• End Users - Safety Officer, Plant Maintenance</li> <li>• Contractor's Team</li> <li>• Electrical personnel in Oil &amp; Gas industry</li> </ul>	4,400
LT08	SELECTION & APPLICATION OF DRIVES	3	<ul style="list-style-type: none"> <li>• Basics of LV Motors &amp; Special Duty (Inverter Duty) Motors</li> <li>• VFDs Construction, Selection, Wiring, Testing &amp; Troubleshooting</li> <li>• Application based Programming with Case Study</li> <li>• Energy saving with VFD</li> <li>• VFD vs Soft Starter</li> </ul>	<ul style="list-style-type: none"> <li>• OEMs</li> <li>• End User - Projects, O&amp;M Team</li> <li>• Panel Builders</li> <li>• System Integrators</li> </ul>	12,600
LT09	POWER QUALITY SOLUTIONS - REACTIVE POWER & HARMONICS MITIGATION	2	<ul style="list-style-type: none"> <li>• Need for Power Factor Improvement &amp; Utility Regulations</li> <li>• Methods of Reactive power management</li> <li>• APFC Panel Design, Dynamic compensation.</li> <li>• Harmonics in power systems, source, types &amp; their effects</li> <li>• Harmonics Mitigation Techniques</li> <li>• Passive &amp; Active harmonic filters (AHF).</li> </ul>	<ul style="list-style-type: none"> <li>• Consultants</li> <li>• End Users - O&amp;M Team</li> <li>• Panel Builders</li> <li>• Contractor's Team</li> </ul>	8,800
LT10	SELECTION & MAINTENANCE OF MV SWITCHGEAR (VCB)	2	<ul style="list-style-type: none"> <li>• Selection, Installation, Testing and Maintenance of VCB &amp; MV Panels.</li> <li>• Fault current calculation</li> <li>• Vacuum vs SF6, MV metal clad panel,</li> <li>• MV panel bus bar design</li> <li>• Introduction of RMU.</li> </ul>	<ul style="list-style-type: none"> <li>• Panel Builders</li> <li>• End User - Projects, O&amp;M Team</li> <li>• Contractor's Team</li> </ul>	8,800
LT11	INDUSTRIAL PROTECTION WITH NUMERICAL RELAYS	4	<ul style="list-style-type: none"> <li>• Introduction to protective relaying, terminologies, ANSI codes</li> <li>• Fault Level calculations</li> <li>• Relay co-ordination</li> <li>• Feeder protection, Motor protection, Transformer protection, Generator protection</li> </ul>	<ul style="list-style-type: none"> <li>• End Users - Projects, O&amp;M Team</li> <li>• Consultants</li> <li>• Panel Builders</li> </ul>	15,900

Note: 1) GST Extra as applicable. Present rate of GST is 18%

2) For any special or customized program, you may contact respective Training Centre.

PROGRAM CODE	TRAINING PROGRAM	NO. OF DAYS	PROGRAM CONTENTS	USEFUL FOR	INVESTMENT (GST EXTRA) ₹
LT12	CONSERVATION & MANAGEMENT OF ELECTRICAL ENERGY	2	<ul style="list-style-type: none"> <li>Importance of Energy Conservation &amp; Management(ECM)</li> <li>Concepts, Terminologies, Energy Efficient Technologies in electrical Installations</li> <li>Energy Conservation Act, ECBC, etc. including some case studies</li> <li>Energy Monitoring &amp; Saving through use of EMS</li> </ul>	<ul style="list-style-type: none"> <li>Contractor's Team</li> <li>End Users - Projects</li> <li>Consultants</li> <li>OEMs</li> </ul>	8,800
LT13	REQUIREMENT OF SYSTEM & EQUIPMENT EARTHING	2	<ul style="list-style-type: none"> <li>Earthing Needs, Types &amp; Classification</li> <li>Understanding of System &amp; Equipment Earthing</li> <li>Earthing of Generators, Transformers, Sensitive Electronic equipment &amp; Lightning Protection</li> <li>Earth Mat design, Sizing of Earth Electrodes with case studies</li> </ul>	<ul style="list-style-type: none"> <li>End Users - Projects, O&amp;M Team</li> <li>Contractor's Team</li> <li>Consultants</li> </ul>	10,400
LT14	INTRODUCTION TO INDUSTRIAL ELECTRICAL SYSTEMS (Specially Designed for Students)	3	<ul style="list-style-type: none"> <li>Overview of Power Systems,</li> <li>Theory &amp; Workshop Demonstration session on LV Switchgears (i.e. Contactor, Overload Relay, Motor Starters, LV Circuits Breakers)</li> <li>Basic overview of soft starter, drives, bus bar trunking, Power factor improvements</li> <li>Session on "Campus to Corporate"</li> </ul>	<ul style="list-style-type: none"> <li>Faculties of Electrical Engineering</li> <li>Students of Electrical Engineering</li> </ul>	3,000
LT15	MODERNISATION OF PLANTS & TRENDS IN LV SWITCHGEAR	1	<ul style="list-style-type: none"> <li>Improving Plant efficiency using Advance Technologies</li> <li>Intelligent MCC, Energy Efficient Motors</li> <li>Control &amp; Monitoring of Energy through EMS</li> <li>Improving Plant Reliability through Smart Switching &amp; Protection Devices</li> </ul>	<ul style="list-style-type: none"> <li>End Users</li> <li>Consultants</li> <li>Panel Builders</li> </ul>	4,400
LT16	INDUSTRIAL COMMUNICATION & INTEGRATING SMART SWITCHGEAR	1	<ul style="list-style-type: none"> <li>Introduction, Types and Standards of Industrial communication</li> <li>Hardware requirements for Integrating smart Devices</li> <li>Demonstration of Communication with Circuit Breakers (ACB,MCCB), VFD, Intelligent Relays</li> <li>Demonstration of Energy Management System using Smart Meters</li> <li>Controlling and Monitoring of Switchgear remotely with Smart Communication</li> </ul>	<ul style="list-style-type: none"> <li>End Users</li> <li>OEMs</li> <li>Panel Builders</li> <li>System Integrators</li> </ul>	4,400
LT17	SELECTION, PROTECTION & MAINTENANCE OF TRANSFORMER	2	<ul style="list-style-type: none"> <li>Selection &amp; Maintenance of Transformer</li> <li>Routine tests for transformer</li> <li>Health Life index &amp; Failure analysis of transformer</li> <li>Protection of transformer</li> <li>Earthing requirements for transformer.</li> <li>Relevant IS/IEC standards.</li> </ul>	<ul style="list-style-type: none"> <li>Consultants</li> <li>Contractor's Team</li> <li>End Users - Projects, O&amp;M Team</li> </ul>	8,800
LT18	ELECTRICIAN TRAINING PROGRAMME FOR INDUSTRY	2	<ul style="list-style-type: none"> <li>Electrical Safety Awareness</li> <li>Overview of Low Voltage Switchgear:Contactors, relays, Motor Starters, SDF, MCCB, SMDB</li> <li>Selection of MCBs, RCCBs, RCBs, Wires &amp; cables</li> <li>Good termination Practices</li> <li>Earthing as applicable to Industry</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Electricians / Technicians</li> <li>Contractor's Team</li> <li>ITI Electricians</li> </ul>	4,000
LT19	ELECTRICIAN TRAINING PROGRAMME FOR RESIDENTIAL BUILDINGS	1	<ul style="list-style-type: none"> <li>Electrical Safety Awareness &amp; Basics of Electricity</li> <li>Selection of MCBs, RCCBs, RCBs &amp; Wires</li> <li>Overview of Distribution Boards.</li> <li>Earthing as applicable to Residential Buildings</li> </ul>	<ul style="list-style-type: none"> <li>Residential Electricians / Technicians</li> <li>Contractor's Team</li> <li>ITI Electricians</li> </ul>	2,000
LT20	SELECTION OF LV SWITCHGEAR FOR MOTOR STARTER FEEDER AS PER TYPE 2 CO-ORDINATION	2	<ul style="list-style-type: none"> <li>LV Switchgear terminologies as per IEC 60947</li> <li>Different starting techniques of motor</li> <li>Motor Protection Concepts &amp; Type 2 Co-ordination</li> <li>Control Schemes for Motor Starters</li> <li>Overview of iMCC &amp; Soft Starters</li> </ul>	<ul style="list-style-type: none"> <li>Consultants</li> <li>Panel Builders</li> <li>End Users: Projects, O&amp;M Team</li> <li>OEMs</li> </ul>	8,200
LT21	SELECTION OF LV SWITCHGEAR FOR POWER DISTRIBUTION WITH SELECTIVITY	2	<ul style="list-style-type: none"> <li>LV Switchgear terminologies as per IEC 60947</li> <li>Selection of SDF, MCCB, ACB &amp; Change Over Switches</li> <li>Advance Protection Releases and their settings</li> <li>Fault Level Calculation with case studies</li> <li>Selectivity applicable to LV Switchgear</li> </ul>	<ul style="list-style-type: none"> <li>Consultants</li> <li>Panel Builders</li> <li>End Users: Projects, O&amp;M Team</li> <li>OEMs</li> </ul>	8,200
LT22	DESIGN OF ELECTRICAL SCHEMES FOR LV SWITCHGEAR ASSEMBLY	2	<ul style="list-style-type: none"> <li>Fundamentals of Control circuits, Graphical Symbols &amp; Guidelines for Design as per relevant IS / IEC standards.</li> <li>Design of Power &amp; Control Circuits for : <ul style="list-style-type: none"> <li>Motor Starter, ACB Incomers &amp; Bus coupler Schemes</li> <li>Auto Source Transfer, DG Synchronisation &amp; Load Sharing Schemes.</li> <li>CT/PT circuits, Redundant Control Supply Schemes</li> </ul> </li> <li>Electrical/Mechanical Safety Interlocks in control circuits</li> <li>Design/Selection of Control Devices</li> </ul>	<ul style="list-style-type: none"> <li>Consultants</li> <li>Panel Builders</li> <li>End Users - Project Team</li> <li>OEMs</li> </ul>	8,800

Note: 1) GST Extra as applicable. Present rate of GST is 18%

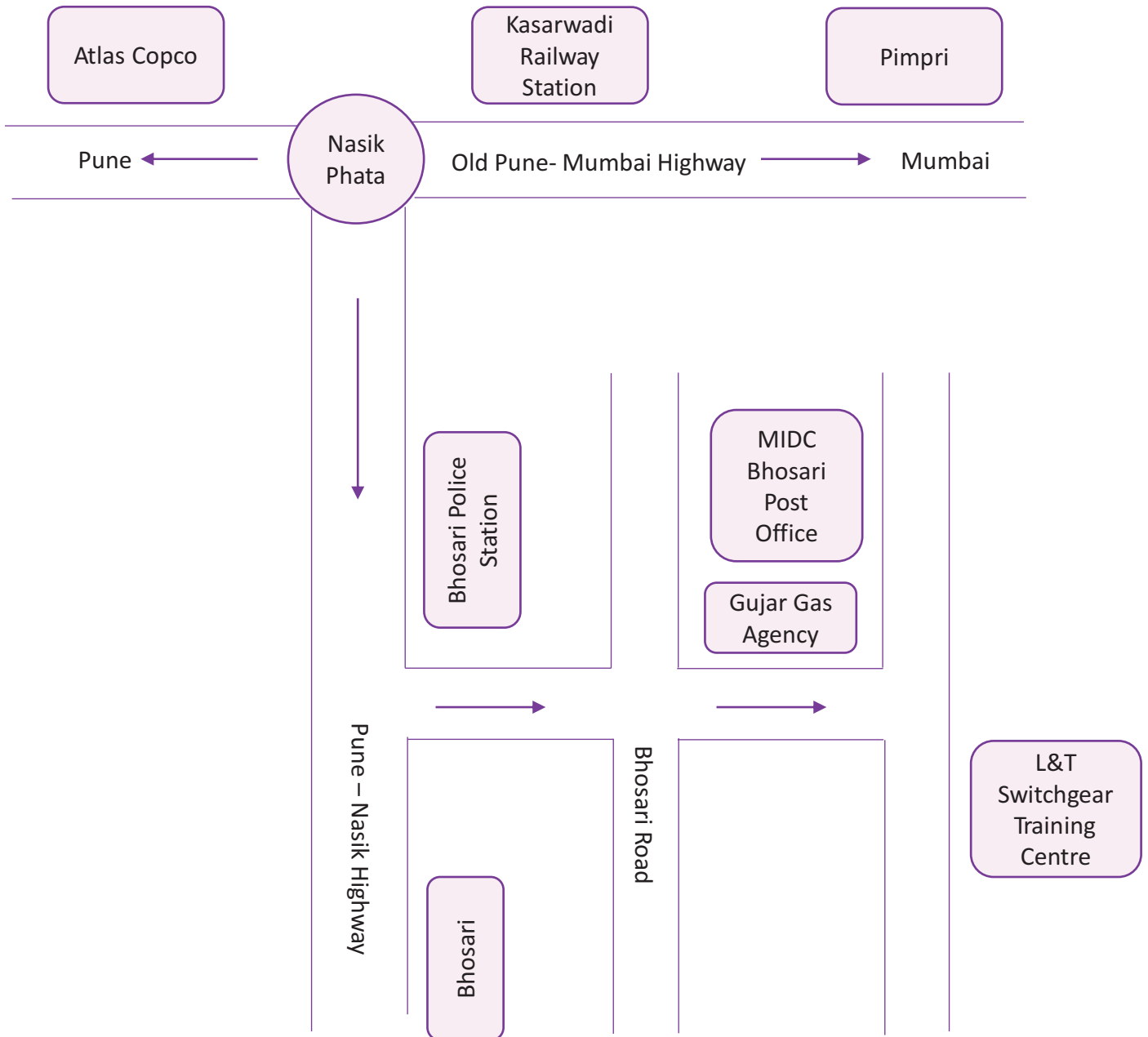
2) For any special or customized program, you may contact respective Training Centre.

# TRAINING CALENDAR

			PUNE											
CODE	PROGRAMME NAME	DAYS	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020
LT01	SELECTION OF LV SWITCHGEAR & APPLICATIONS	5	08-12		03-08		19-23		14-18		02-06		03-07	
LT02	BEST MAINTENANCE PRACTICES IN LV SWITCHGEAR	5		06-10		01-05		16-20		18-22		06-10		02-06
LT03	BREAKER MAINTENANCE WORKSHOP - C-POWER ACB	3	15-17		10-12		05-07		21-23		16-18		24-26	
LT04	BREAKER MAINTENANCE WORKSHOP - OMEGA ACB	2	18-19		13-14		08-09		24-25		19-20		27-28	
LT05	ELECTRICAL DESIGN OF SWITCHGEAR ASSEMBLY	3		13-15			26-28			25-27			10-12	
LT06	POWER DISTRIBUTION IN BUILDINGS	2		02-03				23-24					13-14	
LT07	ELECTRICAL SAFETY	1		17		12			04			13		
LT08	SELECTION & APPLICATION OF DRIVES	3				22-24				04-06				
LT09	POWER QUALITY SOLUTIONS - REACTIVE POWER & HARMONICS MITIGATION	2			24-25		08-09			07-08				02-03
LT10	SELECTION & MAINTENANCE OF MEDIUM VOLTAGE SWITCHGEAR (VCB)	2				29-30						28-29		
LT11	INDUSTRIAL PROTECTION WITH NUMERICAL RELAYS	4		27-30				03-06				16-17		
LT12	CONSERVATION & MANAGEMENT OF ELECTRICAL ENERGY	2	Program Dates will be provided on Request											
LT13	REQUIREMENT OF SYSTEM & EQUIPMENT EARTHING	2			27-28						16-17			
LT14	INTRODUCTION TO INDUSTRIAL ELECTRICAL SYSTEMS (Specially Designed for Students)	3	22-24	22-24	26-28	15-17	28-30	25-27	14-16	13-15	11-13	22-24	12-14	11-13
LT15	MODERNIZATION OF PLANTS & TRENDS IN LV SWITCHGEAR	1				11				01			28	
LT16	INDUSTRIAL COMMUNICATION & INTEGRATING SMART SWITCHGEAR	1			20				17				10	
LT17	SELECTION, PROTECTION & MAINTENANCE OF TRANSFORMER	2					05-06					30-31		
LT18	ELECTRICIAN TRAINING PROGRAMME FOR INDUSTRY	2	25-26				01-02					02-03		
LT19	ELECTRICIAN TRAINING PROGRAMME FOR RESIDENTIAL BUILDINGS	1	Program Dates will be provided on Request											
LT20	SELECTION OF LV SWITCHGEAR FOR MOTOR STARTER FEEDER AS PER TYPE 2 CO-ORDINATION	2		20-21				16-17			09-10			16-17
LT21	SELECTION OF LV SWITCHGEAR FOR POWER DISTRIBUTION WITH SELECTIVITY	2		22-23				18-19			11-12			18-19
LT22	DESIGN OF ELECTRICAL SCHEMES FOR LV SWITCHGEAR ASSEMBLY	2			20-21			09-10			23-24			24-25



# STC PUNE LOCATION MAP



## Distance from:

- Pune Railway Station – 15 Km
- Shivaji Nagar Railway Station – 12 Km
- Chinchwad railway Station – 06 KM
- Pune Airport – 21 Km
- Shivaji Nagar Bus Stop – 12 Km
- Wakad Bus Stop – 12 Km
- Chinchwad Bus Stop – 06 Km

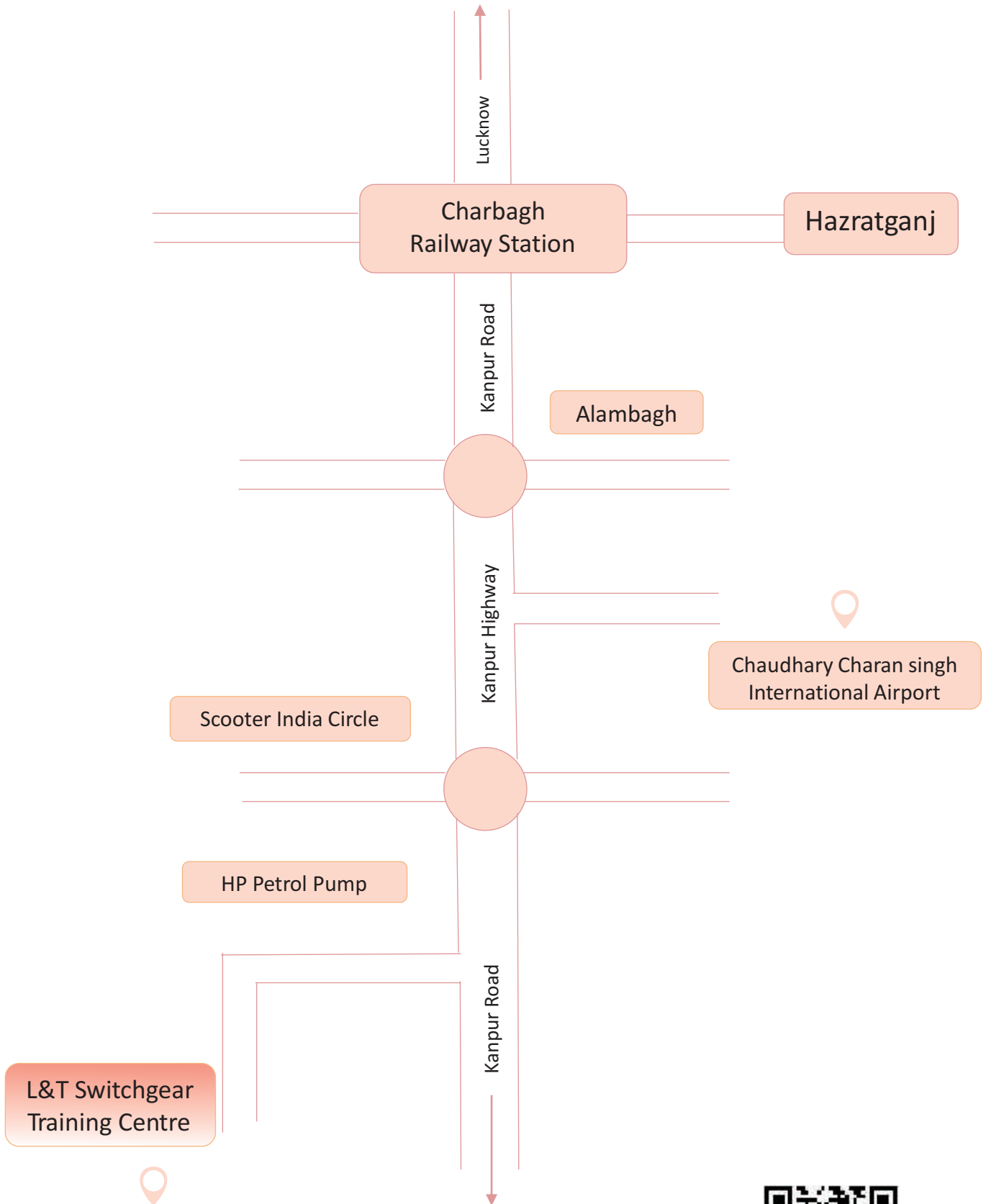


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# TRAINING CALENDAR

			LUCKNOW											
CODE	PROGRAMME NAME	DAYS	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020
LT01	SELECTION OF LV SWITCHGEAR & APPLICATIONS	5	08-12			08-12			21-25			13-17		
LT02	BEST MAINTENANCE PRACTICES IN LV SWITCHGEAR	5		13-17			05-09			18-22			10-14	
LT03	BREAKER MAINTENANCE WORKSHOP - C-POWER ACB	3			10-12			16-18			02-04			16-18
LT04	BREAKER MAINTENANCE WORKSHOP - OMEGA ACB	2			13-14			19-20			05-06			19-20
LT05	ELECTRICAL DESIGN OF SWITCHGEAR ASSEMBLY	3					19-21					20-22		
LT06	POWER DISTRIBUTION IN BUILDINGS	2		06-08				02-04				27-28		
LT07	ELECTRICAL SAFETY	1		02			02			04			04	
LT08	SELECTION & APPLICATION OF DRIVES	3				17-19								23-25
LT09	POWER QUALITY SOLUTIONS - REACTIVE POWER & HARMONICS MITIGATION	2		20-22								10-11		
LT10	SELECTION & MAINTENANCE OF MEDIUM VOLTAGE SWITCHGEAR (VCB)	2				15-16				27-28				
LT11	INDUSTRIAL PROTECTION WITH NUMERICAL RELAYS	4		27-30				23-26						02-06
LT12	CONSERVATION & MANAGEMENT OF ELECTRICAL ENERGY	2	Program Dates will be provided on Request											
LT13	REQUIREMENT OF SYSTEM & EQUIPMENT EARTHING	2		09-10							16-17			
LT14	INTRODUCTION TO INDUSTRIAL ELECTRICAL SYSTEMS (Specially Designed for Students)	3	15-17		17-19		26-28		14-16		18-20		24-25	
LT15	MODERNIZATION OF PLANTS & TRENDS IN LV SWITCHGEAR	1			20					23				
LT16	INDUSTRIAL COMMUNICATION & INTEGRATING SMART SWITCHGEAR	1					1							26
LT17	SELECTION, PROTECTION & MAINTENANCE OF TRANSFORMER	2				17-18				25-26				
LT18	ELECTRICIAN TRAINING PROGRAMME FOR INDUSTRY	2	22-23			22-23			17-18			02-03		
LT19	ELECTRICIAN TRAINING PROGRAMME FOR RESIDENTIAL BUILDINGS	1	Program Dates will be provided on Request											
LT20	SELECTION OF LV SWITCHGEAR FOR MOTOR STARTER FEEDER AS PER TYPE 2 CO-ORDINATION	2			24-25					11-12				
LT21	SELECTION OF LV SWITCHGEAR FOR POWER DISTRIBUTION WITH SELECTIVITY	2			26-27					13-14				
LT22	DESIGN OF ELECTRICAL SCHEMES FOR LV SWITCHGEAR ASSEMBLY	2					29-30				09-10			

# STC LUCKNOW LOCATION MAP



## Distance from:

- Charbagh Railway Station – 15 Km
- Alambagh Bus Stop – 13 Km
- Chaudhary Charan Singh Airport – 06 km



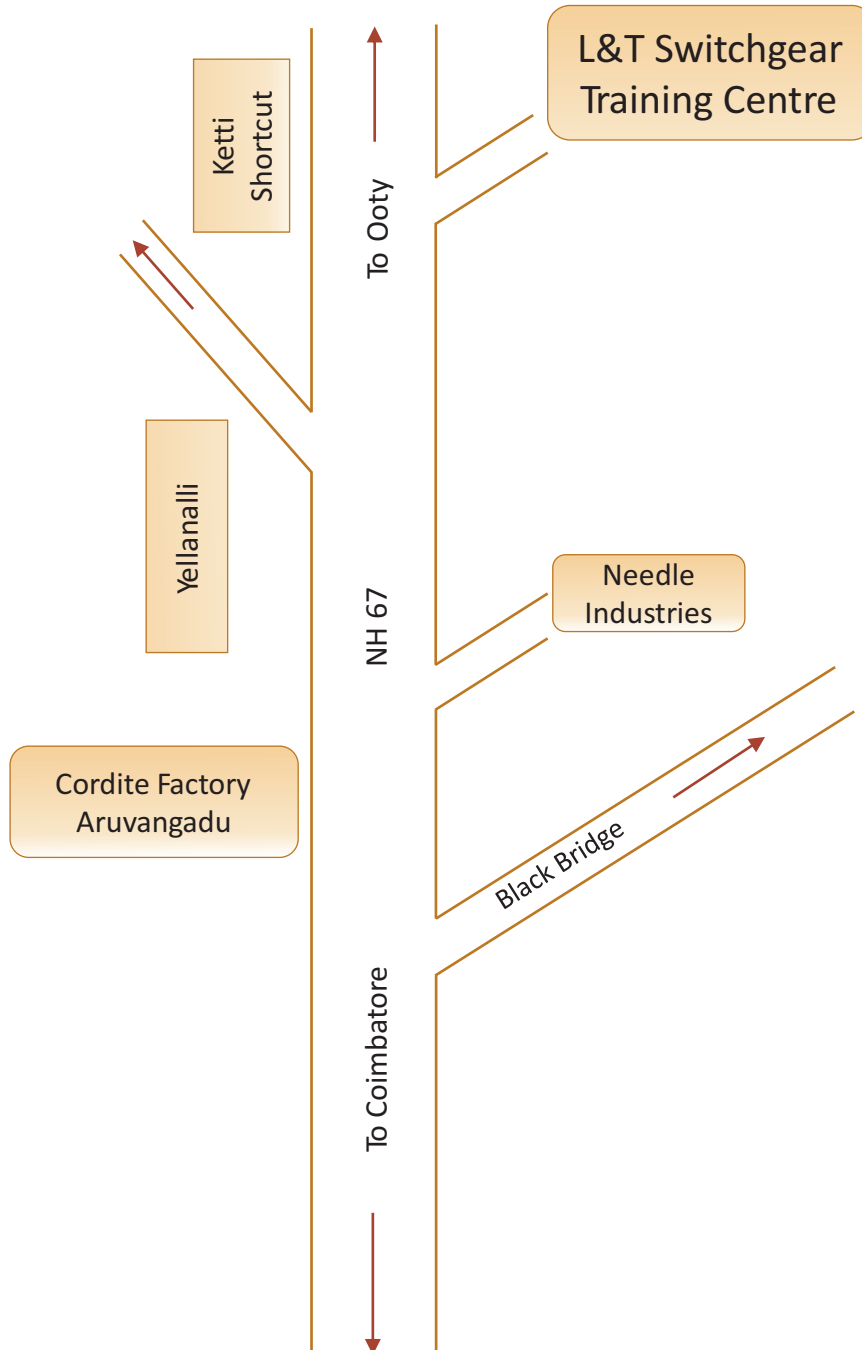
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# TRAINING CALENDAR

			COONOOR											
CODE	PROGRAMME NAME	DAYS	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020
LT01	SELECTION OF LV SWITCHGEAR & APPLICATIONS	5	01-05		03-07		05-09		14-18		02-06		03-07	
LT02	BEST MAINTENANCE PRACTICES IN LV SWITCHGEAR	5		06-10		01-05		16-20		04-08		06-10		02-06
LT03	BREAKER MAINTENANCE WORKSHOP - C-POWER ACB	3	22-24		10-12		19-21		14-16		09-11		10-12	
LT04	BREAKER MAINTENANCE WORKSHOP - OMEGA ACB	2	25-26		13-14		22-23		17-18		12-13		13-14	
LT05	ELECTRICAL DESIGN OF SWITCHGEAR ASSEMBLY	3		13-15				04-06			16-18			09-11
LT06	POWER DISTRIBUTION IN BUILDINGS	2		02-03				19-20				13-14		
LT07	ELECTRICAL SAFETY	1		17			02			01				20
LT08	SELECTION & APPLICATION OF DRIVES	3				29-31					18-20			
LT09	POWER QUALITY SOLUTIONS - REACTIVE POWER & HARMONICS MITIGATION	2	08-09			08-09				11-12			24-25	
LT10	SELECTION & MAINTENANCE OF MEDIUM VOLTAGE SWITCHGEAR (VCB)	2					26-27						25-26	
LT11	INDUSTRIAL PROTECTION WITH NUMERICAL RELAYS	4			24-27				21-24					16-19
LT12	CONSERVATION & MANAGEMENT OF ELECTRICAL ENERGY	2	Program Dates will be provided on Request											
LT13	REQUIREMENT OF SYSTEM & EQUIPMENT EARTHING	2			20-21					13-14		20-21		
LT14	INTRODUCTION TO INDUSTRIAL ELECTRICAL SYSTEMS (Specially Designed for Students)	3	15-17	22-24	17-19	10-12	28-30	16-18	21-23	18-20	18-20	15-17	10-12	18-20
LT15	MODERNIZATION OF PLANTS & TRENDS IN LV SWITCHGEAR	1		31				30			30			27
LT16	INDUSTRIAL COMMUNICATION & INTEGRATING SMART SWITCHGEAR	1					16				23			
LT17	SELECTION, PROTECTION & MAINTENANCE OF TRANSFORMER	2					28-29						27-28	
LT18	ELECTRICIAN TRAINING PROGRAMME FOR INDUSTRY	2	18-19			15-16				21-22				26-27
LT19	ELECTRICIAN TRAINING PROGRAMME FOR RESIDENTIAL BUILDINGS	1	Program Dates will be provided on Request											
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LT21	SELECTION OF LV SWITCHGEAR FOR POWER DISTRIBUTION WITH SELECTIVITY	2		29-30				25-26		27-28		23-24		
LT22	DESIGN OF ELECTRICAL SCHEMES FOR LV SWITCHGEAR ASSEMBLY	2	29-30			22-23						30-31		



# STC COONOOR LOCATION MAP



## Distance from:

- Coimbatore – 90 Km
- Coonoor – 10 Km
- Ooty – 10 Km
- Yellanalli – 01 Km

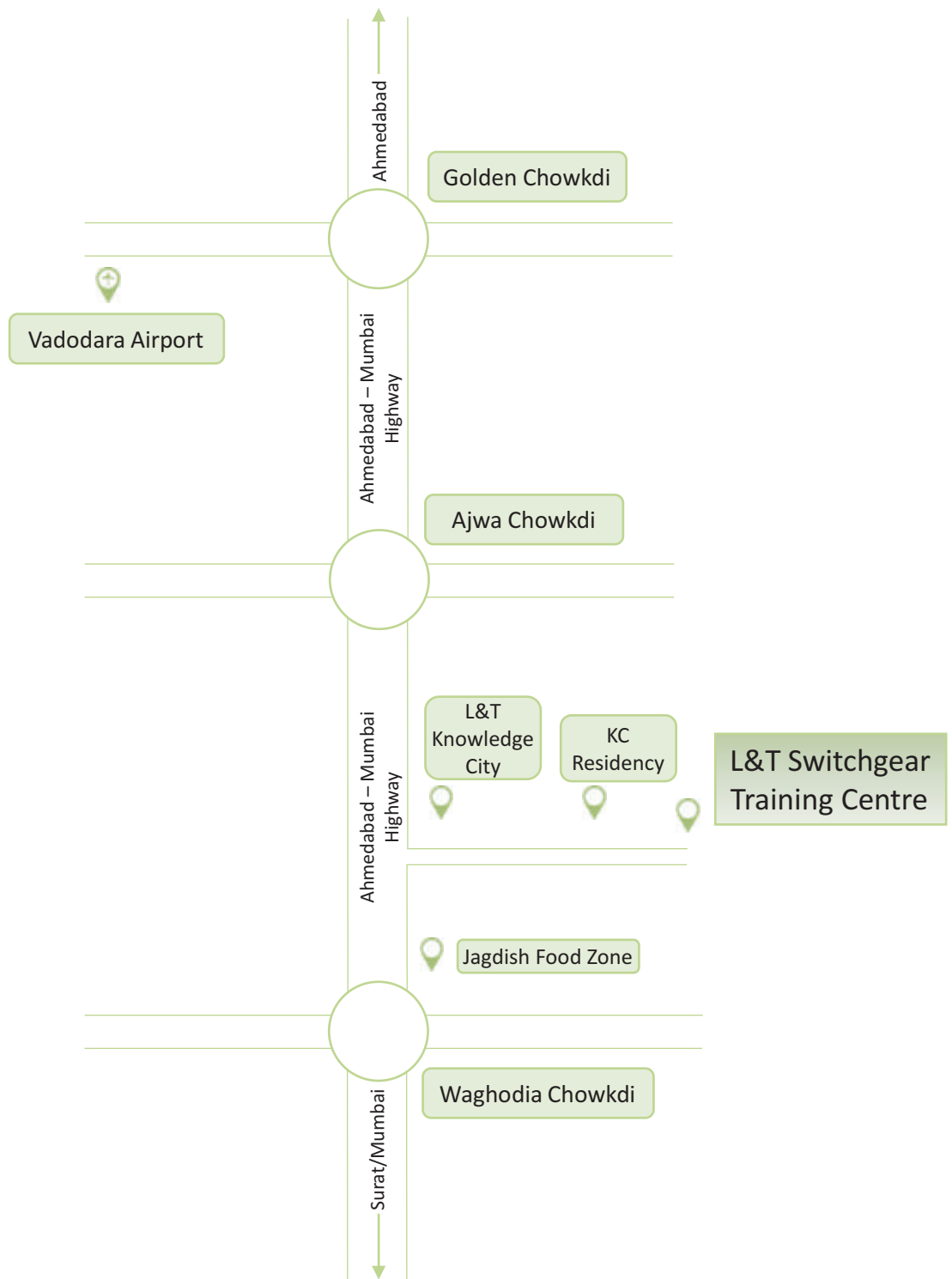


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# TRAINING CALENDAR

			VADODARA											
CODE	PROGRAMME NAME	DAYS	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020
LT01	SELECTION OF LV SWITCHGEAR & APPLICATIONS	5		06-10		15-19			14-18			20-24		
LT02	BEST MAINTENANCE PRACTICES IN LV SWITCHGEAR	5			17-21			09-13			02-06			02-06
LT03	BREAKER MAINTENANCE WORKSHOP - C-POWER ACB	3	15-17	13-15			19-21			18-20			03-05	
LT04	BREAKER MAINTENANCE WORKSHOP - OMEGA ACB	2	18-19	16-17			22-23			21-22			06-07	
LT05	ELECTRICAL DESIGN OF SWITCHGEAR ASSEMBLY	3			10-12			04-06			18-20		10-12	
LT06	POWER DISTRIBUTION IN BUILDINGS	2				08-09				14-15				
LT07	ELECTRICAL SAFETY	1					05						13	
LT08	SELECTION & APPLICATION OF DRIVES	3			03-05				09-11			06-08		09-11
LT09	POWER QUALITY SOLUTIONS - REACTIVE POWER & HARMONICS MITIGATION	2				22-23			03-04		16-17			
LT10	SELECTION & MAINTENANCE OF MEDIUM VOLTAGE SWITCHGEAR (VCB)	2		06-07								06-07		
LT11	INDUSTRIAL PROTECTION WITH NUMERICAL RELAYS	4				09-12				18-21				
LT12	CONSERVATION & MANAGEMENT OF ELECTRICAL ENERGY	2	Program Dates will be provided on Request											
LT13	REQUIREMENT OF SYSTEM & EQUIPMENT EARTHING	2					06-07					20-21		
LT14	INTRODUCTION TO INDUSTRIAL ELECTRICAL SYSTEMS (Specially Designed for Students)	3	22-24	27-29	24-26	29-31	26-28	23-25	21-23	25-27	23-25	27-29	24-26	23-25
LT15	MODERNIZATION OF PLANTS & TRENDS IN LV SWITCHGEAR	1		24			09			13			14	
LT16	INDUSTRIAL COMMUNICATION & INTEGRATING SMART SWITCHGEAR	1			05			09			16			13
LT17	SELECTION, PROTECTION & MAINTENANCE OF TRANSFORMER	2		08-09								08-09		
LT18	ELECTRICIAN TRAINING PROGRAMME FOR INDUSTRY	2	25-26			01-02			03-04				10-11	
LT19	ELECTRICIAN TRAINING PROGRAMME FOR RESIDENTIAL BUILDINGS	1	Program Dates will be provided on Request											
LT20	SELECTION OF LV SWITCHGEAR FOR MOTOR STARTER FEEDER AS PER TYPE 2 CO-ORDINATION	2			03-04			16-17			09-10			16-17
LT21	SELECTION OF LV SWITCHGEAR FOR POWER DISTRIBUTION WITH SELECTIVITY	2			06-07			18-19			11-12			18-19
LT22	DESIGN OF ELECTRICAL SCHEMES FOR LV SWITCHGEAR ASSEMBLY	2					08-09					02-03		

# STC VADODARA LOCATION MAP



## Distance from:

- Railway / Central Bus Station — 14 Km
- Airport — 09 Km

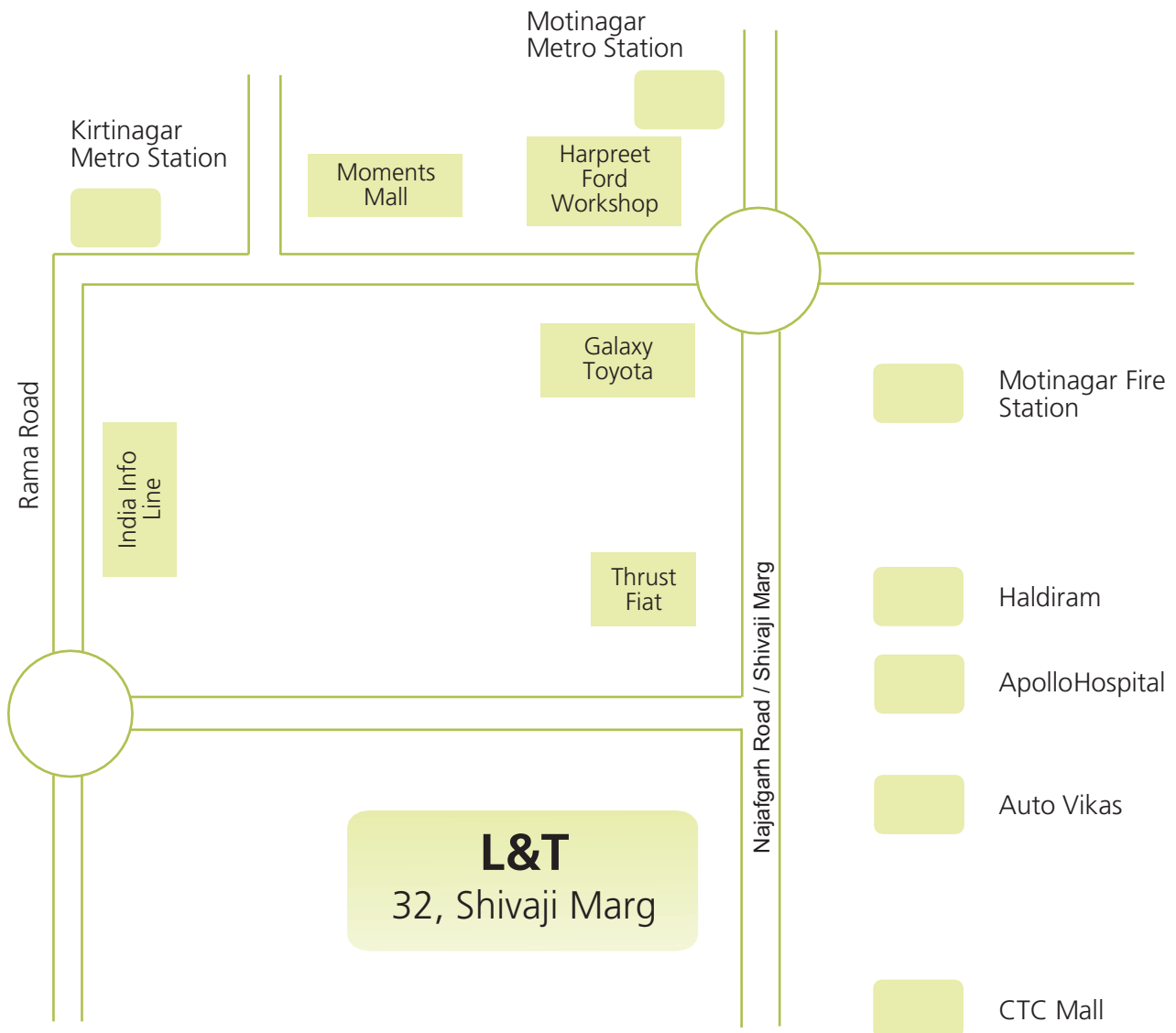


Scan for Location on Google Map

# TRAINING CALENDAR

			DELHI											
CODE	PROGRAMME NAME	DAYS	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020
LT01	SELECTION OF LV SWITCHGEAR & APPLICATIONS	5	08-12			01-05				04-08			03-07	
LT02	BEST MAINTENANCE PRACTICES IN LV SWITCHGEAR	5			10-14			16-20			02-06			16-20
LT03	BREAKER MAINTENANCE WORKSHOP - C-POWER ACB	3		06-08			05-07		14-16			06-08		
LT04	BREAKER MAINTENANCE WORKSHOP - OMEGA ACB	2		09-10			08-09		17-18			09-10		
LT05	ELECTRICAL DESIGN OF SWITCHGEAR ASSEMBLY	3		01-03				02-04					24-26	02-04
LT06	POWER DISTRIBUTION IN BUILDINGS	2				09-10				27-28				05-06
LT07	ELECTRICAL SAFETY	1		17			14		01					12
LT08	SELECTION & APPLICATION OF DRIVES	3			17-19								10-12	
LT09	POWER QUALITY SOLUTIONS - REACTIVE POWER & HARMONICS MITIGATION	2	25-26					05-06					13-14	
LT10	SELECTION & MAINTENANCE OF MEDIUM VOLTAGE SWITCHGEAR (VCB)	2	14-15			29-30			03-04			02-03		
LT11	INDUSTRIAL PROTECTION WITH NUMERICAL RELAYS	4		20-23				23-26				20-23		
LT12	CONSERVATION & MANAGEMENT OF ELECTRICAL ENERGY	2	Program Dates will be provided on Request											
LT13	REQUIREMENT OF SYSTEM & EQUIPMENT EARTHING	2	22-23				01-02				11-12			
LT14	INTRODUCTION TO INDUSTRIAL ELECTRICAL SYSTEMS (Specially Designed for Students)	3		27-28		17-19		11-13		18-20	16-18			23-25
LT15	MODERNIZATION OF PLANTS & TRENDS IN LV SWITCHGEAR	1	18			12								13
LT16	INDUSTRIAL COMMUNICATION & INTEGRATING SMART SWITCHGEAR	1			03			30		15			21	
LT17	SELECTION, PROTECTION & MAINTENANCE OF TRANSFORMER	2	04-05				19-20				19-20			
LT18	ELECTRICIAN TRAINING PROGRAMME FOR INDUSTRY	2			27-28		26-27				23-24			26-27
LT19	ELECTRICIAN TRAINING PROGRAMME FOR RESIDENTIAL BUILDINGS	1	Program Dates will be provided on Request											
LT20	SELECTION OF LV SWITCHGEAR FOR MOTOR STARTER FEEDER AS PER TYPE 2 CO-ORDINATION	2	02-03			22-23					26-27			
LT21	SELECTION OF LV SWITCHGEAR FOR POWER DISTRIBUTION WITH SELECTIVITY	2			24-25					25-26				31-31
LT22	DESIGN OF ELECTRICAL SCHEMES FOR LV SWITCHGEAR ASSEMBLY	2					29-30						27-28	

# STC DELHI LOCATION MAP



## Distance from:

- Moti Nagar Metro Station - 01 KM
- Kirti Nagar Metro Station - 01 KM
- Indralok Metro Station - 02 KM
- Airport - 22 KM
- New Delhi Railway Station - 11 KM



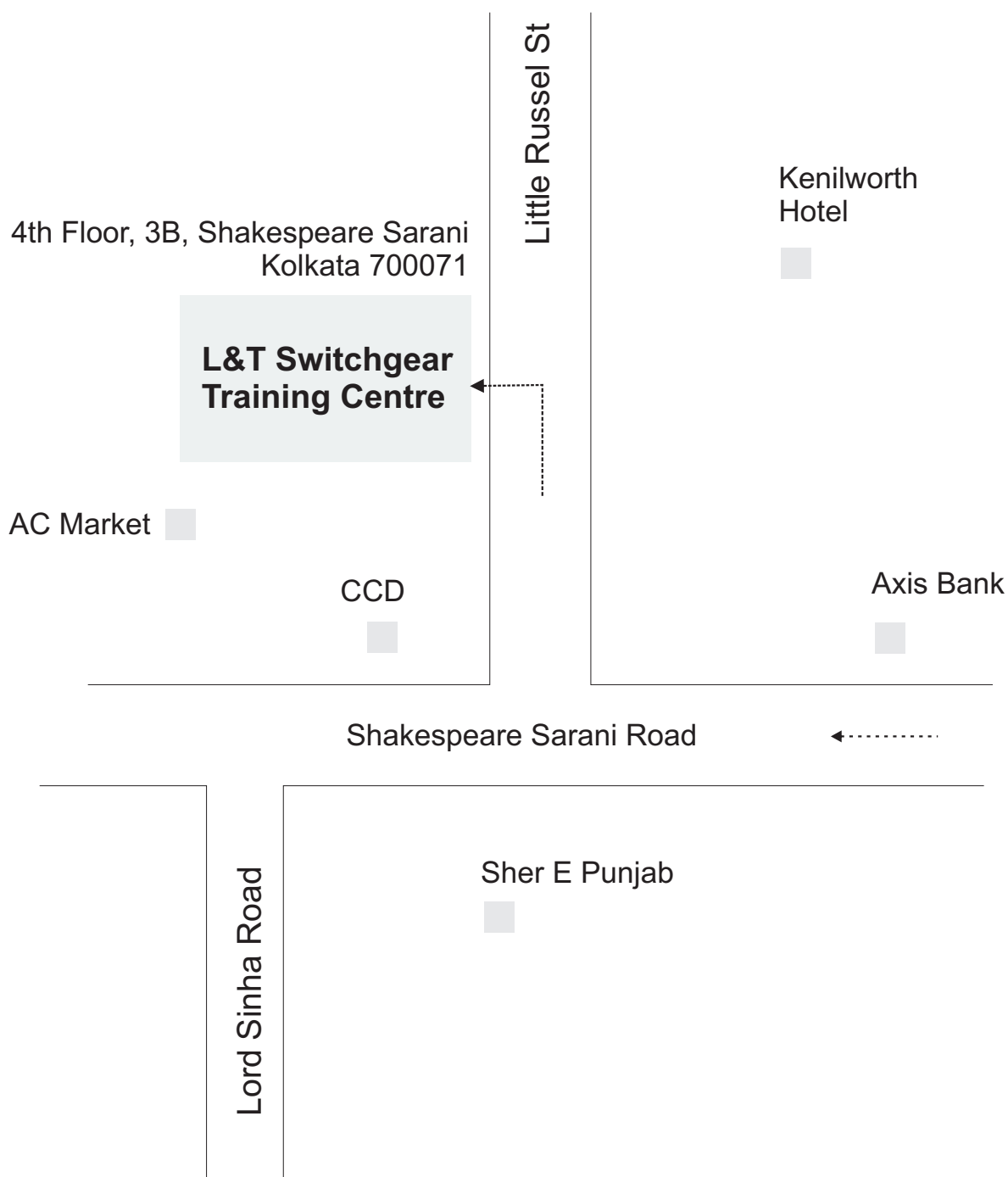
Scan for Location on Google Map



# TRAINING CALENDAR

			KOLKATA											
CODE	PROGRAMME NAME	DAYS	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	OCT 2019	NOV 2019	DEC 2019	JAN 2020	FEB 2020	MAR 2020
LT01	SELECTION OF LV SWITCHGEAR & APPLICATIONS	5			03-07			09-13			02-06			09-13
LT02	BEST MAINTENANCE PRACTICES IN LV SWITCHGEAR	5	01-05			08-12			14-18				03-07	
LT03	BREAKER MAINTENANCE WORKSHOP - C-POWER ACB	3		06-08		22-24		02-04		11-13		06-08		02-04
LT04	BREAKER MAINTENANCE WORKSHOP - OMEGA ACB	2		09-10		25-26		05-06		14-15		09-10		05-06
LT05	ELECTRICAL DESIGN OF SWITCHGEAR ASSEMBLY	3		13-15			05-07			18-20				
LT06	POWER DISTRIBUTION IN BUILDINGS	2			17-18				10-11					
LT07	ELECTRICAL SAFETY	1	23										14	
LT08	SELECTION & APPLICATION OF DRIVES	3			10-12						11-13			18-20
LT09	POWER QUALITY SOLUTIONS - REACTIVE POWER & HARMONICS MITIGATION	2				04-05				28-29				16-17
LT10	SELECTION & MAINTENANCE OF MEDIUM VOLTAGE SWITCHGEAR (VCB)	2		20-21									25-26	
LT11	INDUSTRIAL PROTECTION WITH NUMERICAL RELAYS	4			24-27								10-13	
LT12	CONSERVATION & MANAGEMENT OF ELECTRICAL ENERGY	2	Program Dates will be provided on Request											
LT13	REQUIREMENT OF SYSTEM & EQUIPMENT EARTHING	2					12-13			07-08				
LT14	INTRODUCTION TO INDUSTRIAL ELECTRICAL SYSTEMS (Specially Designed for Students)	3	08-10	22-24	12-14		19-21	23-25	29-31	25-27	09-11	15-17	26-28	
LT15	MODERNIZATION OF PLANTS & TRENDS IN LV SWITCHGEAR	1		27									24	
LT16	INDUSTRIAL COMMUNICATION & INTEGRATING SMART SWITCHGEAR	1			19				07			13		
LT17	SELECTION, PROTECTION & MAINTENANCE OF TRANSFORMER	2				18-19				21-22				23-24
LT18	ELECTRICIAN TRAINING PROGRAMME FOR INDUSTRY	2				03-04						20-21		
LT19	ELECTRICIAN TRAINING PROGRAMME FOR RESIDENTIAL BUILDINGS	1	Program Dates will be provided on Request											
LT20	SELECTION OF LV SWITCHGEAR FOR MOTOR STARTER FEEDER AS PER TYPE 2 CO-ORDINATION	2	15-16				26-27				16-17			
LT21	SELECTION OF LV SWITCHGEAR FOR POWER DISTRIBUTION WITH SELECTIVITY	2	17-18				28-29				18-19			
LT22	DESIGN OF ELECTRICAL SCHEMES FOR LV SWITCHGEAR ASSEMBLY	2						26-27						25-26

# STC KOLKATA LOCATION MAP



## Distance from:

- Howrah Railway Station – 07 Km
- Sealdah Railway Station – 05 Km
- Kolkata Airport – 18 Km
- Esplanade Bus Terminus – 02 Km



Scan for Location on Google Map

# REGISTRATION

## How to confirm your booking

1. Email or courier duly filled Registration Form to the relevant Switchgear Training Centre or Register yourself online by login through <https://stc.lteaglobal.com>
2. Fees should be paid in advance by way of Demand Draft drawn in favour of 'LARSEN AND TOUBRO LIMITED'. The draft should be payable at Pune, Delhi (for Lucknow & Delhi Centre), Chennai (for Coonoor Centre), Vadodara or Kolkata - depending on the Centre chosen.
3. Alternatively fees can be paid in advance by way of NEFT / RTGS to our bank a/c below:

Beneficiary Account Name : Larsen and Toubro Limited  
Bank Name : State Bank of India  
Branch : IIT Powai, Mumbai – 400076  
IFSC code : SBIN0001109  
Current Account No : 10725730100  
SWIT Code : SBININBB519  
PAN No. : AAACL0140P

Sr. No.	STC	GST No.
1	Pune	27AAACL0140P4ZG
2	Lucknow	09AAACL0140P2ZG
3	Coonoor	33AAACL0140P2ZP
4	Vadodara	24AAACL0140P6ZK
5	Delhi	07AAACL0140P2ZK
6	Kolkata	19AAACL0140P3ZE

4. Registration will be confirmed only after receipt of the course fees.

## Please Note

- a) Participants will receive written confirmation of their registration, after which they should plan their journey to the Training Centre selected.
- b) In case seats are unavailable for the selected course, participants will be offered an opportunity to participate in the next training session for that program.
- c) All programmes are conducted on a 'best effort' basis. Programmes are subject to cancellation or postponement due to unforeseen circumstances or lack of sufficient enrolment. L&T reserves all cancellation rights of the training program and will not be responsible for any consequential losses.
- d) Please ensure that all registrations are accompanied by the requisite course fees.
- e) Participants are expected to make their own arrangements for lodging and boarding.
- f) Participants shall avail all the facilities provided during the programmes, including traveling at their own risk. L&T will not be responsible for any injury, damage or loss during the program.
- g) The transfer of fees for a change of participant or program must be confirmed in writing by the Training Centre.
- h) Course Fees specified are valid until March 31, 2020 only.
- i) Fees are not refundable under any circumstances.

## Course Fees – Terms & Conditions

### Inclusions

1. Training Fees and use of workshop facilities during the program.
2. Folders, writing material and hand-outs, as required for the program.

### Exclusions

1. GST as applicable on the services.



## SWITCHGEAR TRAINING CENTRE

### TRAINING COURSE REGISTRATION FORM

(To book a course, fill in and email this Registration Form to the relevant Switchgear Training Centre at least 15 days prior to the course date - Pune: [stc-pune@Lntebg.com](mailto:stc-pune@Lntebg.com), Lucknow: [stc-lucknow@Lntebg.com](mailto:stc-lucknow@Lntebg.com), Coonoor: [stc-Coonoor@Lntebg.com](mailto:stc-Coonoor@Lntebg.com), Vadodara: [stc-vadodara@Lntebg.com](mailto:stc-vadodara@Lntebg.com), Delhi: [stc-delhi@Lntebg.com](mailto:stc-delhi@Lntebg.com) or Kolkata: [stc-kolkata@Lntebg.com](mailto:stc-kolkata@Lntebg.com). Please select appropriate option from below. Please type text / write on the blank lines only. Payment Options and Centre details on next page.

**TRAINING CENTRE:**

☐ PUNE ☐ LUCKNOW ☐ COONOR  
☐ VADODARA ☐ DELHI ☐ KOLKATA

**COURSE CODE:**

☐ LT01 ☐ LT02 ☐ LT03 ☐ LT04  
☐ LT05 ☐ LT06 ☐ LT07 ☐ LT08  
☐ LT09 ☐ LT10 ☐ LT11 ☐ LT12  
☐ LT13 ☐ LT14 ☐ LT15 ☐ LT16  
☐ LT17 ☐ LT18 ☐ LT19 ☐ LT20  
☐ LT21 ☐ LT22 ☐ OTHERS \_\_\_\_\_

**COURSE DATE:** \_\_\_\_\_

PARTICIPANT INFORMATION	COMPANY INFORMATION
Name: _____	Organization/Institute: _____
Age: _____	Address: _____
Qualification: _____	Pin: _____ State: _____
Designation: _____	Office Tel.: _____
Department: _____	Training In-charge (for information on courses in future)
Contact No.: _____	Name: _____
E-mail ID: _____	Designation: _____
	E-mail ID: _____
	GST No.*: _____

JOB DESCRIPTION		INDUSTRY TYPE	
Design <input type="checkbox"/>	Sales <input type="checkbox"/>	Manufacturing <input type="checkbox"/>	Stockist <input type="checkbox"/>
Engineering <input type="checkbox"/>	Service <input type="checkbox"/>	Process Plant <input type="checkbox"/>	Service Centre <input type="checkbox"/>
Purchase <input type="checkbox"/>	Trainer/Faculty <input type="checkbox"/>	Consultants <input type="checkbox"/>	Other: _____
Electrician <input type="checkbox"/>	Student <input type="checkbox"/>	Electricity Board <input type="checkbox"/>	
Maintenance <input type="checkbox"/>	Other: _____	Panel Builder <input type="checkbox"/>	

**Tuition Fee Details:** Tax Deducted ☐ YES ☐ NO

NEFT/RTGS/D.D. No.: \_\_\_\_\_ Dt.: \_\_\_\_\_ Rs: \_\_\_\_\_ Bank: \_\_\_\_\_

Organizational Approval By	For L&T Branch Use	For STC Office Use Only
Name: _____	Sales Staff: _____	[1] Nomination Received On: _____
Designation: _____	Branch Head: _____	[2] Payment Received On: _____
Signature: _____	Reg.form recd. Date: _____	[3] Registration No: _____
Date: _____	Verified Date: _____	[4] Invoice No: _____
	Confirmed on: _____	[5] Receipt No: _____
	Date: _____	

**To confirm your booking, send this Form with the course fees to the relevant Switchgear Training Centre.**

\* Scanned Copy of GST certificate & True Signed Stamped Copy of PAN is required with this form.

# YOUR SUCCESS IS OUR GOAL

## Customised programs on Request

1. Switchboard Quality, Testing and Workmanship Aspects - one day Module
2. Induction Program for Fresh Engineers in any Industry can be organised on request
3. Overview of Plant Automation and use of PLC, Drives, Soft starters etc. for Students
4. Advance Training module for Faculties of Engineering colleges Electrical Branch
5. Summer Internship Trainings for final year engineering Students - 3 to 6 weeks

## Our Milestones

- Celebrating over 30 years of Training Excellence
- Trained over 2,25,000 Professionals
- Conducted over 11,125 Programs

For more information about the Training Calendar and programs please contact the relevant Switchgear Training Centre or Customer Interaction Centre:

## Switchgear Training Centres

### Pune

Larsen & Toubro Limited  
Switchgear Training Centre  
T-156 / 157, MIDC  
Bhosari, Pune - 411 026  
Tel: 020 2712 0037 / 2712 0653  
E-mail: stc-pune@Lntebg.com



### Lucknow

Larsen & Toubro Limited  
Switchgear Training Centre  
C-6 & 7, UPSIDC,  
P. O. Sarojininagar,  
Lucknow - 226 008  
Tel: 0522 247 6015 / 97944 54455  
E-mail: stc-lucknow@Lntebg.com



### Coonoor

Larsen & Toubro Limited  
Switchgear Training Centre  
Ooty-Coonoor Main Road  
Yellanaahalli P.O.,  
The Nilgiris - 643 243  
Tel. : 0423 251 7107  
E-mail: stc-coonoor@Lntebg.com



### Vadodara

Larsen & Toubro Limited  
Switchgear Training Centre  
Behind L&T Knowledge City,  
Near Village Ankhol,  
Vadodara - 390019  
Tel: 0265 2457805/7808  
E-mail: stc-vadodara@Lntebg.com



### Delhi

Larsen & Toubro Ltd  
Switchgear Training Centre  
32, Shivaji Marg,  
Nearest Metro Stations Kirti Nagar/Moti Nagar,  
New Delhi - 110015  
Tel: 011- 40819515, 40819695, 40819500  
E-mail: stc-delhi@Lntebg.com



### Kolkata

Larsen & Toubro Limited  
Switchgear Training Centre  
4th Floor, 3B, Shakespeare Sarani,  
Landmark - Kenil Worth Hotel  
Kolkata - 700071  
Tel: 033 42005975 / 44085974 / 44085978  
E-mail: stc-kolkata@Lntebg.com



## Customer Interaction Centre (CIC)

BSNL/MTNL (Toll free): 1800 233 5858  
Reliance (Toll free): 1800 200 5858  
Tel: 022 6774 5858 Fax: 022 6774 5859  
E-mail: cic@Lntebg.com

[www.Lntebg.com](http://www.Lntebg.com)

Online registration Link: <https://stc.lteaglobal.com>