The future of our industry, and any progress in the technical field, depends on the training of capable mechanics and technicians.

– Robert Bosch
Dear Customers and Business Partners,

The automotive aftermarket in India is critical in driving growth and profit as the automotive sector is probably the largest employer in the country. In order to drive long-term growth and success, the automotive sector will have to achieve tangible impact on service mechanics, retailers, etc. In order to achieve this, all stakeholders will require a trained task force that will create and add value for consumers.

At Bosch, our range of courses are industry-recognised and of the highest standards. Through our training sessions, you will receive in-depth knowledge of the evolving technologies, and at the same time, hands-on experience with the latest equipment, from staff who are highly knowledgeable and experienced.

We, at the Bosch Automotive Aftermarket division, are happy to present to you the all-new AA Training Programme Guide for 2018. This guide consists of a comprehensive list of technical courses about our products and service segments.

Join us on any of the training courses held throughout the year, and we will help you get the best out of your business.

Yours sincerely,
Bosch Training Team

Bosch Automotive Aftermarket Training

The Challenge

Regardless of whether it is a novice or a professional, there are always situations when vehicle specialists get in contact with new technologies or unknown faults. In such situations, troubleshooting and problem solving can become time-intensive or possibly do not have a successful result. The customer must wait longer to get his / her vehicle back. It is precisely at this point that Bosch brings its offer in the area of training various target groups on a whole range of technical areas.

The Offer

Bosch offers training courses in the following areas:

- Diesel Technology
- Braking Systems
- Vehicle Diagnostics
- Vehicle Electronics
- Diesel Technician
- System Technician
- Training Series - Personnel
- Vehicle Electrical Systems
- Diesel Component
- Mechanics
- Aftersales Service
- Gasoline Injection

The Advantage

- Bosch’s knowledge and experience are unique
  - 130 years of experience in the automobile industry
  - Preferred supplier of original equipment and systems for many leading manufacturers worldwide
  - In-depth knowledge in latest technologies

- Improving service quality and accelerating processes
  - The current training offer with the support of Bosch Knowledge Database helps you
  - Localise problems faster, repair more vehicles, and reduce your customers’ waiting time
  - Improve productivity through various methodic procedures

- Practice-oriented training courses
  - Constant update of technical knowledge in vehicle technologies
  - Workshops with structured training management and continuous education management
  - Practice-oriented, hands-on training courses conducted by highly qualified trainers
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### Bosch Training Centre (BTC)

#### Training on Diesel Fuel Injection (PE A Type & VE Mech.)

| Course Code: EP - X | Duration: 10 days | Place: BTC (Naganathapura, Bengaluru) |

**Objective:** To make participants competent in carrying out quality service on Diesel Fuel Injection Equipment with more hands-on training.

**Participants:** Fuel Injection Equipment Service Personnel, preferably Bosch Authorised Representatives.

**Course Content:** Working Principles, Repair and Testing of PE A Type, Multi-cylinder Fuel Injection Pump with RSV and RQV Governors, VE Distributor-type Fuel Injection Pump, Add-on Modules fitted on PE A and VE Pumps, Injector, Injection Timer, Feed Pump and Filters, Injection Timing Setting on Diesel Engine, Safety and Housekeeping, Maintenance and Upkeep of Service Literature.

#### Training on Distributor Pump (VE Mech. with Add-on)

| Course Code: EP - 4 | Duration: 3 days | Place: BTC (Naganathapura, Bengaluru) |

**Objective:** To make participants competent in carrying out quality service on Diesel Fuel Injection Equipment.

**Participants:** Fuel Injection Equipment Service Personnel, preferably Bosch Authorised Representatives, Engineers / Technicians from OEMs.

**Course Content:** Working Principles, Repair, and Testing of VE Distributor-type Fuel Injection Pump with and without Manifold Pressure Compensator (LDA), Add-on Modules, Injectors, Filters, Injection Timing Setting on Diesel Engine fitted with VE Pump, Safety and Housekeeping, Maintenance and Upkeep of Service Literature.

#### Training on Diesel Fuel Injection (PE Pump, P-Type)

| Course Code: EP - P | Duration: 3 days | Place: BTC (Naganathapura, Bengaluru) |

**Objective:** To make participants competent with Heavy-duty Test Bench to carry out quality service on Diesel Fuel Injection Equipment.

**Participants:** Fuel Injection Equipment Service Personnel of Bosch Authorised Representatives equipped with Heavy-duty Test Bench.

**Course Content:** Working Principles, Repair, and Testing of Bosch PE-P Fuel Injection Pump and RQV-K Governor, Bosch EDC Governor fitted on PE-P Fuel Injection Pumps, Safety and Housekeeping, Maintenance and Upkeep of Service Literature.

#### Training on Axial Plunger Distributor Pump (VP 37)

| Course Code: EDC - 1 | Duration: 2 days | Place: BTC (Naganathapura, Bengaluru) |

**Objective:** To make participants competent in carrying out quality service on Bosch VP-44 Fuel Injection Pumps.

**Participants:** Personnel servicing Fuel Injection Equipment, preferably from Bosch Authorised Representatives.

**Course Content:** Working Principles, Repair, Testing, and Adjustment of Bosch VE Fuel Injection Pumps (VP-37), Safety and Housekeeping, Maintenance and Upkeep of Service Literature.

#### Training on Radial Plunger Distributor Pump (VP 44)

| Course Code: EDC - 2 | Duration: 2 days | Place: BTC (Naganathapura, Bengaluru) |

**Objective:** To make participants competent with Heavy-duty Test Bench to carry out quality service on Diesel Fuel Injection Equipment.

**Participants:** Fuel Injection Equipment Service Personnel of Bosch Authorised Representatives equipped with Heavy-duty Test Bench.

**Course Content:** Working Principles, Repair, Testing, and Adjustment of Bosch VP 44 Fuel Injection Pumps on EPS 815 Test Bench, Safety and Housekeeping, Maintenance and Upkeep of Service Literature.
Training on Common Rail System (CP1 Pump & Injector)

Course Code: CR - 1
Duration: 3 days
Place: BTC (Naganathapura, Bengaluru)

Objective: To make participants competent in carrying out quality service on Common Rail High-Pressure Pumps and Injectors.
Participants: Technicians from BDS and OEMs equipped with EPS 815 and having experience in handling all types of existing Fuel Injection Systems.

Course Content: Structure and Function of Common Rail High-Pressure Pumps and Injectors (CP1K, CP1H, & CRI), Characteristics of, Testing on the Pump Test Bench EPS 815 with KMA Measuring Technique, and Testing of Common Rail Injectors.

Training on Common Rail System (CP2, CP3, CB18, & Injector)

Course Code: CR - 2
Duration: 3 days
Place: BTC (Naganathapura, Bengaluru)

Objective: To make participants competent in carrying out quality service on Common Rail High-Pressure Pumps and Injectors.
Participants: Technicians from BDS and OEMs equipped with EPS 815 and having experience in handling all types of existing Fuel Injection Systems.

Course Content: Structure, Function of Common Rail High-Pressure Pumps and Injectors (CP3, CPN2.2, CB18, & CRIN), Characteristics, Testing on the Pump Test Bench EPS 815 with KMA Measuring technique, and Testing of Common Rail Injectors.

Joint Certification Centre (JCC)

Training on CR Injectors - Repair & Testing

Course Code: CRI
Duration: 3 days
Place: JCCs

Objective: To make participants competent in carrying out quality service on Common Rail Injectors (CRI & CRIN).
Participants: Technicians from BDS / BCS equipped with EPS 815 / EPS 200 and having experience in handling all types of existing Diesel Injectors.

Course Content: Structure, Function of Common Rail Injectors (CRI & CRIN), Repair of CR Injectors using specified Bosch Fixtures and Tools. Testing of Common Rail Injectors on Bosch Injector Tester. (Stage 3 repair).

Training on Diesel Fuel Injection (PE A Type)

Course Code: PE
Duration: 3 days
Place: JCCs

Objective: To make participants competent in carrying out quality service on Diesel Fuel Injection Equipment (PE Pumps).
Participants: Fuel Injection Equipment Service Personnel from Bosch Authorised Workshops and independent workshops handling Bosch Fuel Injection Equipment.


Training on EPS 815 Test Bench

Course Code: EPS
Duration: 2 days
Place: BTC (Naganathapura, Bengaluru)

Objective: To enable participants to operate the EPS 815 Test Bench using the EPS 844 / 845 software.
Participants: New staff, existing and potential EPS 815 users. Personnel who have good experience in handling all types of fuel injection pumps and governors.

Course Content: Operation of Test Bench EPS 815 with KMA measuring technique. Programming of test protocol adjustment steps, Importing / Exporting data, In-line and Distributor Pump test equipment fitment, Basic Pump adjustment, Vehicle Diagnosis (Diesel Vehicles).

Training on CB 18 & CB 28 systems on EPS 620 / 625

Course Code: CR - 3
Duration: 3 days
Place: BTC (Naganathapura, Bengaluru)

Objective: To make participants competent in carrying out quality service on Common Rail High Pressure Pump for CB18 & CB28 systems.
Participants: Technicians from BDS and OEM’s equipped with EPS 620 / EPS 625 and having experience in handling all types of existing fuel injection systems.

Course Content: Structure, Functions of High Pressure pump (CB18 and CB28), Characteristics, Testing on the pump test bench EPS 620/625 with KMA Measuring Technique and Testing.
Basic Course on Distributor Pump (VE Mech. Pump)

**Course Code:** VE - 1  
**Duration:** 2 days  
**Place:** JCCs

**Objective:** To make participants competent in carrying out quality service on Diesel Fuel Injection Equipment (VE Pumps).

**Participants:** Bosch Authorised Workshops and independent workshops handling Bosch FIE.

**Course Content:** Working Principles, Repair, and Testing of VE Pumps fitted with Mechanical Governors. Filters, Removal and Fitment of FIE on the Vehicle, and Setting of Fuel Injection Timing.

Advanced Course on Distributor Pump (VE Mech. Pump with Add-ons)

**Course Code:** VE - 2  
**Duration:** 2 days  
**Place:** JCCs

**Objective:** To make participants competent in carrying out quality service on Diesel Fuel Injection Equipment (VE Pumps with Add-on Modules).

**Participants:** Bosch Authorised Workshops and independent workshops handling Bosch FIE.

**Course Content:** Working Principles, Repair, and Testing of VE Pumps with MPC and all other Add-on Modules. Filters, Removal and Fitment of FIE on the Vehicle, and Setting of Fuel Injection Timing.

Training on Diesel Fuel Injection (PF Pump)

**Course Code:** PF  
**Duration:** 1 day  
**Place:** BTC / JCCs

**Objective:** To make participants competent in carrying out quality service on Diesel Fuel Injection Equipment.

**Participants:** Bosch Authorised Representatives, Engineers / Technicians from OEMs.

**Course Content:** Working Principles, Repair, and Testing of PF and PFR Fuel Injection Pumps, Injectors, Importance of BDC dimensions and adjustment.

Training on Axial Plunger Distributor Pump (VP 37)

**Course Code:** EDC  
**Duration:** 2 days  
**Place:** JCCs

**Objective:** To make participants competent in carrying out quality service on Bosch VE Fuel Injection Pumps with Electronic Diesel Control (VP-37).

**Participants:** Bosch Authorised Representatives, Engineers / Technicians from OEMs, equipped with EPS 611 / 620 + EDC Tools.

**Course Content:** Basics of EDC System, Working Principles, Repair, Testing, and Adjustment of Bosch Distributor-type Fuel Injection Pump (VP-37) and Injectors.

Training on Injection Timing Setting on Diesel Engine

**Course Code:** VS  
**Duration:** 1 day  
**Place:** JCCs

**Objective:** To make participants understand the importance of Injection Timing and competent in setting Injection Timing on Diesel Vehicles fitted with PE A and VE-Type Fuel Injection Pumps.

**Participants:** Bosch Authorised Representatives, Engineers / Technicians from OEMs and Diesel Mechanics.

**Course Content:** Basic knowledge on FIE products, Setting Injection Timing on Diesel Vehicles fitted with PE A and VE-Type Fuel Injection Pumps, General Maintenance Tips, and Warranty Terms.

Training on Diesel Fuel Injection (PE P-Type Pump)

**Course Code:** PE - 1  
**Duration:** 2 days  
**Place:** JCCs

**Objective:** To make participants who work on the Heavy Duty Test Bench competent to carry out quality service on Fuel Injection Equipment.

**Participants:** Bosch Authorised Representatives, equipped with Heavy-Duty Test Bench EPS 611 / 620 / 625.

**Course Content:** Complete Course on Inline FIP with RSV Governor. Working Principle of Pump and Governor. Repair and Testing of FIP with RSV / RQV - K Governors & Injectors. Additional Training on MPC Setting.
### Course on VE FIP Injection Timing Setting on Engine

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**Objective:** To make participants understand the importance of Injection Timing and competent in setting Injection Timing on Diesel vehicles fitted with VE-Type Fuel Injection Pump.

**Participants:**Fuel Injection Equipment Service Personnel from Bosch Authorised Representative, Engineers / Technicians from OEMs.

**Course Content:** Basic knowledge on Bosch FIE products, Setting Injection Timing on Diesel Vehicles fitted with VE-Type Fuel Injection Pump, General Maintenance tips.

### Comprehensive Course on VE-Type FIP with Add-on Modules

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**Objective:** To make participants competent in carrying out quality service on VE Distributor-Type Fuel Injection pump fitted with Add-on Modules.

**Participants:** Technicians from BDS / ODP.

**Course Content:** Working Principles, Repair, and Testing of VE Distributor-Type Fuel Injection pump fitted with Add-on Modules LDA, LFB, KSB, KKS, LGF, FBB, EGR-Microswitch and Potentiometer, Injectors, Preventive Maintenance, Troubleshooting, Field failures analysis and their root cause.

### Course on CR Injector Repair & Testing (Stage 1, 2, & 3)

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**Objective:** To make participants competent in carrying out complete repair & service of Common Rail Injectors.

**Participants:** Technicians / Foremen from BDS / BCS equipped with EPS-815, EPS-200, EPS-205 and having experience in Repair & Service of existing Diesel Injectors.

**Course Content:** Overview of range of Common Rail Systems, Working Principles of various types of Common Rail Injectors (CRI & CRIN), Structure, Repair of CR injectors using specified Bosch equipment & tools, Measurement of Armature shim & Air Gap shim, Testing of Common Rail Injectors on EPS-815, EPS-200, EPS-205.

### Basic Training Programme on Bosch Common Rail System

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>CR-B</th>
<th>Duration: 1 day</th>
<th>Place: JCCs</th>
</tr>
</thead>
</table>

**Objective:** To make participants understand the basic concept & working principles of Common Rail System, Structure, Function of each individual component, Range of Common Rail Fuel Injection systems, Advantage, Preventive Maintenance, Do’s & Don’ts.

**Participants:** Managers / Engineers / Foremen from Bosch Authorised Dealers, Bosch Car Service Dealers & ODP.

**Course Content:** Working Principles, Design, and Function of different Bosch Common Rail Systems, Structure, Function of each individual component, Range of Common Rail Fuel Injection Systems, Advantages, Preventive Maintenance, Do’s & Don’ts.

### Course on Repair / Testing of PE A Pump with RSV Governor

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>PE-RSV</th>
<th>Duration: 2 days</th>
<th>Place: JCCs</th>
</tr>
</thead>
</table>

**Objective:** To make participants competent in carrying out quality service of PE A Inline Fuel Injection Pump fitted with RSV Governor.

**Participants:** Technicians from BDS / ODP.

**Course Content:** Working Principles, Repair, and Testing of PE A Type Multi-cylinder pump with RSV Governor, Add-on Modules fitted in PE Pump, Injectors, Preventive Maintenance & Troubleshooting.
### Comprehensive Training Programme on Bosch Common Rail System

**Course Code:** CR-A  
**Duration:** 3 days  
**Place:** JCCs


**Participants:** Managers / Engineers / Foremen from Bosch Authorised Dealers, Bosch Car Service Dealers, ODP, OEM, and Engineering students.

**Course Content:** Working Principles, Design, and Function of different Bosch Common Rail Systems, Structure, Function of each individual component, Function of various Sensors, Actuators & ECU, Live Diagnosis on the Vehicle, Advantages, Preventive Maintenance, Do’s & Don’ts.

---

### Bosch Training Centre (BTC)

#### Training on Workshop Test Equipment

**Course Code:** WTE - 2  
**Duration:** 3 days  
**Place:** BTC (Naganathapura, Bengaluru)

**Objective:** To help participants in carrying out Maintenance, Troubleshooting, and Minor Repairs of Bosch Authorised Workshop and Test Equipment.

**Participants:** Personnel looking after the Maintenance of Bosch Authorised Workshop and Test Equipment, TMSS.

**Course Content:** Operating Instructions, Maintenance, Troubleshooting Guidelines, Service and Minor Repairs of Auto Electrical and FIE Test Benches, BAT 121, Battery Load Testers, Battery Chargers, Tyre Changers, Wheel Balancers, ACS, and all other diagnostic products of Bosch.

---

### Workshop Test Equipment - Maintenance and Repair for Missionary Representatives

**Course Code:** MRS  
**Duration:** 4 days  
**Place:** BTC (Naganathapura, Bengaluru)

**Objective:** To help participants in carrying out AMC Activities, Troubleshooting, and Minor Repairs of Bosch Authorised Workshop and Test Equipment.

**Participants:** Missionary Representatives looking after Maintenance of Bosch Authorised Workshop and Test Equipment.

**Course Content:** AMC Activity, Operating Instructions, Maintenance, Troubleshooting Guidelines, Service and Minor Repairs of Auto Electrical and FIE Test Benches, ASC Equipment, BAT 121, Battery Chargers, Battery Load Testers, Tyre Changers, Wheel Aligners, and other Workshop Equipment.

---

### Training on Calibration of Newly Released PE Pump with RSV Governor

**Course Code:** PE-C  
**Duration:** 2 days  
**Place:** JCC Chennai

**Objective:** To make participants understand Calibration procedure of PE A Type Pump with RSV Governor.

**Participants:** Technicians from BDS and ODP.

**Course Content:** Calibration Procedure, Steps and Importance of various Settings, Consequences of improper settings.
## Course on Bosch 3D Wheel Aligner

<table>
<thead>
<tr>
<th>Training on Bosch 3D Wheel Aligner</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course Code:</strong> WA</td>
</tr>
<tr>
<td><strong>Duration:</strong> 1 day</td>
</tr>
<tr>
<td><strong>Place:</strong> BTC (Naganathapura, Bengaluru) and JCCs</td>
</tr>
<tr>
<td><strong>Objective:</strong> To make participants competent in carrying out quality service using Bosch Wheel Aligner.</td>
</tr>
<tr>
<td><strong>Participants:</strong> PSDG, BTS, Wheel Aligner End-customers.</td>
</tr>
<tr>
<td><strong>Course Content:</strong> Fundamentals of Steering Geometry, Five Basic Alignment Angles, Wheel Alignment Specifications, Steering Axis Inclination, Maintenance tips: Steering System, Suspension, etc., Product Features &amp; Operating Principles of Bosch Wheel Aligner, Training on Wheel Alignment Software, Practical Training on Wheel Alignment using Bosch Wheel Aligner, Wheel Aligner Maintenance tips, Do’s &amp; Don’ts.</td>
</tr>
</tbody>
</table>

## Course on Bosch Wheel Balancer, Tyre Changer, and Nitrogen Tyre Inflator

<table>
<thead>
<tr>
<th>Training on Wheel Balancer, Tyre Changer, &amp; Nitrogen Tyre Inflator</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course Code:</strong> WB, TC, NTI</td>
</tr>
<tr>
<td><strong>Duration:</strong> 1 day</td>
</tr>
<tr>
<td><strong>Place:</strong> BTC (Naganathapura, Bengaluru) and JCCs</td>
</tr>
<tr>
<td><strong>Objective:</strong> To make participants competent in carrying out quality service using Bosch Wheel Balancer, Tyre Changer, &amp; Nitrogen Tyre Inflator.</td>
</tr>
<tr>
<td><strong>Participants:</strong> BMD-AS, BTS, End-customers.</td>
</tr>
<tr>
<td><strong>Course Content:</strong> Basics of Tyre (Construction, Terminology), Different types of Tyres, Operating Principles of Wheel Balancer, Tyre Changer, and NTI, Knowledge on Nitrogen, Effects of Unbalanced Wheel on Steering System, User Training on Balancing the different types of Wheels, User Training on Tyre Changer, Precautions to be followed while Changing the Tyres, User Training on NTI 101, Maintenance tips, Do’s &amp; Don’ts of Wheel Balancer, Tyre Changer, and NTI 101.</td>
</tr>
</tbody>
</table>

## Course on Bosch Air-Conditioning Service Machine

<table>
<thead>
<tr>
<th>Training on Bosch Air-Conditioning Service Machine</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course Code:</strong> ACS</td>
</tr>
<tr>
<td><strong>Duration:</strong> 2 days</td>
</tr>
<tr>
<td><strong>Place:</strong> BTC (Naganathapura, Bengaluru) and JCCs</td>
</tr>
<tr>
<td><strong>Objective:</strong> To make participants competent in carrying out quality service using Bosch ACS 251, ACS 651, Robinair AC690PRO, and Flushing Kit.</td>
</tr>
<tr>
<td><strong>Participants:</strong> MRSD, BMD-AS.</td>
</tr>
<tr>
<td><strong>Course Content:</strong> Basic Working Principles of Car AC system, Different AC gases and their features, Operating Principles of Bosch ACS 251 and ACS 651, Robinair AC690PRO, Flushing Kit, Service Training on the above, Maintenance tips, Do’s &amp; Don’ts: ACS 251 and ACS 651, Robinair AC690PRO, Flushing Kit.</td>
</tr>
</tbody>
</table>
Bosch Training Centre (BTC)

Product Knowledge Induction Course for New Joinees

Course Code: AAN
Duration: 5 days
Place: BTC (Naganathapura, Bengaluru)

Objective: Product Knowledge on all AA products.
Participants: All newly joined AA employees.

Course Content: Overview and understanding of Diesel Fuel Injection Systems, Gasoline Systems, Diagnostic Equipment, and Automotive Accessories of Bosch.

Training on DS / SG / AS / BAT / LUB / Filters

Course Code: AAN - 2
Duration: 4 days
Place: BTC (Naganathapura, Bengaluru)

Objective: Product Knowledge on all AA products.
Participants: All newly joined AA employees.

Course Content: AA-IN New Joinee Training Program on DS/SG/AS/BAT/LUB/Filters and others with Plant visit & visit to Company-run BCS

Product Knowledge Induction Course for Bosch Employees

Course Code: RB-IND
Duration: 3 days
Place: BTC (Naganathapura, Bengaluru)

Objective: To help participants understand the role of Systems in Automobiles.
Participants: Personnel employed with Bosch Group companies.

Course Content: Overview and understanding of various Vehicle Systems with focus on Bosch Automotive products.

Training on Car Maintenance & Systems

Course Code: VMS
Duration: 5 days
Place: BTC (Naganathapura, Bengaluru)

Objective: To make participants competent in carrying out quality service on Bosch Products fitted in vehicles.
Participants: Personnel at BCS / Bosch Authorised Stockists / Distributors / Workshops offering Vehicle Service.

Course Content: Practicals on Removal and Fitment of Bosch Products on Vehicles, using Test Equipment for Diagnosis and General Service and Maintenance Aspects.

Training on Gasoline Fuel Injection System

Course Code: GFI - 2
Duration: 2 days
Place: BTC (Naganathapura, Bengaluru)

Objective: To educate participants about new technologies and products in Petrol Injection.
Participants: Bosch Territory Managers – Sales and Service, Bosch Authorised Distributors’ Field Representatives, Bosch Authorised Product Stockists, and BCS (by invitation).


Auto Electrical

Training on Starters & Alternators

Course Code: AEL - 2
Duration: 3 days
Place: BTC (Naganathapura, Bengaluru)

Objective: To make participants competent in carrying out quality service on Bosch Auto Electrical Products and Test Equipment.
Participants: Personnel handling Auto Electrical Equipment at Bosch Authorised Stockists / Distributors / Workshops.


Joint Certification Centre (JCC)

Basic Course on Gasoline Fuel Injection System

Course Code: GFI - 1
Duration: 1 day
Place: JCCs

Objective: To educate participants about new technologies in Gasoline Systems.
Participants: Bosch Territory Managers – Sales and Service, Bosch Authorised Distributors’ Field Representatives, Bosch Authorised Product Stockists, BCS, etc. (by invitation).

### Bosch System Technician Programme

**Course Code:** BST  
**Duration:** 2 to 5 days (depending on the module)  
**Place:**BTC (Naganathapura, Bengaluru), JCCs

**Objective:** To make the participants knowledgeable about Bosch Products, Equipment, and Vehicle Systems as per the detailed course plan for System Technicians.

**Participants:** System Technician Trainees working with Bosch Authorised Workshops (by invitation).

**Course Content:** Working Principles, Repair, and Testing of Bosch Products and Respective Test Equipment, Knowledge on Vehicles, New Technologies, and Diagnostic Tools / Equipment.

### Training on Bosch Battery

**Course Code:** BB  
**Duration:** 1 day  
**Place:** JCCs

**Objective:** To make participants competent in selling Bosch Batteries effectively and handling warranty.

**Participants:** Bosch Authorised Distributors, Stockists, Dealers, and Workshop Personnel handling battery sales.

**Course Content:** Construction and Working Principles, Features, Advantages, and Benefits, Product Range, Charging, Testing, Using BAT 121, Competitors’ Information, Opportunity Areas, Sales Arguments, Effective Campaigning, and Warranty Handling.

### Diesel Basics for Students

**Course Code:** VEH  
**Duration:** 1 day  
**Place:** JCCs

**Objective:** To provide basic knowledge on Vehicle Systems.

**Participants:** Students from Polytechnics, newly appointed Technicians employed with Bosch Authorised Representatives.

**Course Content:** Diesel Engine Basics, Fuel Injection System Basics, and other Vehicular Systems.

### Basic Course for Fleet Operators

**Course Code:** FO  
**Duration:** 1 day  
**Place:** JCCs

**Objective:** To provide knowledge on Bosch Products.

**Participants:** Proprietors, Partners, and Technicians from Fleet Operators.

**Course Content:** Basic knowledge on Bosch Products, Maintenance Aspects, their Quality, Features, and Warranty Terms.

### Training for Proprietors on New Developments

**Course Code:** PMW  
**Duration:** 1 day  
**Place:** JCCs

**Objective:** To provide knowledge on latest products, Test and Diagnostic Equipment.

**Participants:** Proprietors of Bosch Authorised Workshops.

**Course Content:** Information on Latest Products, their Features, Advantages, and Benefits. Test and Diagnostic Equipment required for the Workshop.

### Basic Knowledge Course for Customer Relations Officers

**Course Code:** CRO  
**Duration:** 1 day  
**Place:** JCCs

**Objective:** To provide basic knowledge on all Bosch Products, Test & Diagnostic Equipment, Handling, Storage, and Shelf Life.

**Participants:** Customer Relations Officers at Sales Offices, Personnel employed with C&F Agents.

**Course Content:** Information on all Bosch Products, their Applications and Usage, Test and Diagnostic Equipment used by customers.
A Complete Course on All Bosch Automotive Products

**Course Code:** BTA  
**Duration:** 30 days  
**Place:** RTC – Pune

**Objective:** To make participants competent in handling a Range of Bosch Products & Processes followed by Bosch Authorised Dealers.

**Participants:** BDS and ODP personnel from Bosch Authorised Workshops who handle / manage day-to-day workshop operations, Final year Engineering / Diploma Students from Technical Institutes.

**Course Content:** Detailed theoretical & practical knowledge on the Range of Product Operations / Processes followed at Bosch Authorised Points (FIE, AE, BB, Vehicle Diagnosis, Warranty, & Preventive Maintenance).

Training on Energy Systems (Starters & Alternators)

**Course Code:** AEL - 1  
**Duration:** 2 days  
**Place:** JCCs

**Objective:** To make participants competent in carrying out quality service on Bosch Auto Electrical Products.

**Participants:** Auto Electricians working in Bosch Authorised Workshops.

**Course Content:** Working Principles, Repair, and Testing of Bosch Auto Electrical Products, respective Test Equipment and New Types of Starters and Alternators. Removal and Fitment of Alternators / Starter Motors on Vehicles.

Auto Electrical Course for Independent Electricians

**Course Code:** IE  
**Duration:** 1 day  
**Place:** JCCs

**Objective:** To provide knowledge on Bosch Products.

**Participants:** Electricians having their own garages.

**Course Content:** Basic knowledge on Bosch Auto Electrical Products, Maintenance Aspects, their Qualities, Features, and Warranty Terms.

Bosch Training Centre / Joint Certification Centre (BTC / JCC)

Advanced Course on Cars for BCS Personnel

**Course Code:** BCS-2 – Advanced Module  
**Duration:** 5 days  
**Place:** BTC (Naganathapura, Bengaluru)

**Objective:** To make Bosch Car Service Personnel competent in handling Business, Customer Service, and Technical Issues.

**Participants:** Bosch Car Service Works In-charge.

**Course Content:** Industry, Service Marketing, Customer Service, Introduction to Petrol & Diesel Injection Systems, Different Generations, Diagnosis & Troubleshooting using KTS, Practical Demonstration on the Vehicle.

Training on Vehicle Electrical & Electronic Systems

**Course Code:** EEM - 1 (Electricals / Electronics – Module 1) – Basic Module  
**Duration:** 3 days  
**Place:** BTC (Naganathapura, Bengaluru), JCCs

**Objective:** Refreshing the basics of Vehicle Electrical Systems & Vehicle Electronic Systems. Test possibilities of different systems in the vehicle.

**Participants:** Vehicle Mechanics / Electricians and Automotive Engineers with limited knowledge in the field of Vehicle Electric System / Electronic System.

**Course Content:** Ohm’s law as well as Electro-Technical basics, Design and Mode of Operation of Electrical Systems, Measurement of Electrical Systems with Different Measurement Devices such as Multimeter, Ammeter, Voltmeter, as well as Engine Tester, Understanding Simple Electronic Circuits, Components, Practical Implementation of Theoretical Knowledge by Measurement Exercises directly on the Vehicle, Understanding and Troubleshooting of the Wiring System on the Vehicle.
## Understanding the Vehicle Network Systems

**Course Code:** CAN (Automotive Networking) – Expert Module  
**Duration:** 1 day  
**Place:** BTC (Naganathapura, Bengaluru), JCCs  
**Objective:** Understanding the set-up and functions of the Networked Systems in the Vehicle and their testing possibilities.  
**Participants:** Motor Mechanics with knowledge of Vehicle’s Electric / Electronic System, Automotive Engineers, and Vehicle Electricians.  
**Course Content:** Principles and Set-up of CAN database, Design and Differences of different Bus Systems, CAN Protocol Set-up, Network – Topology, Do’s & Don’ts of CAN system, Display measurement possibilities using KTS.

## Training on Electronic Power Steering

**Course Code:** EPSV (Electronic Power Steering) – Advanced Module  
**Duration:** 2 days  
**Place:** BTC (Naganathapura, Bengaluru), JCCs  
**Objective:** Independent execution of Diagnostics / Repair and Maintenance work in Electronic Power Steering.  
**Participants:** Vehicle Mechanics / Electricians / Automotive Engineers / Master Mechanics with good knowledge of application of ESI[tronic] & Bosch testing device KTS.  
**Course Content:** Basic knowledge on Mechanical Steering System, Basic knowledge on Steering Geometry / Limitation in Mechanical Steering System, Inspection of Mechanical Components, Overview of EPS and Components, Different EPS Modules, Self-diagnosis on Vehicle, Testing of the Components using KTS.

## Training on Common Rail System Diagnosis in Cars

**Course Code:** CRSD – Advanced Module  
**Duration:** 2 days  
**Place:** BTC (Naganathapura, Bengaluru) and JCCs  
**Objective:** Understanding the functions of ECU Self-diagnostics of CRS-specific detection of faults in Bosch Passenger Car Common Rail Systems.  
**Participants:** Motor Mechanics / Motor Electricians / Automotive Engineers / Master Mechanics with practical experience in the field of Automotive Diesel System and Vehicle Diagnostics.  
**Course Content:** Design and functions of different Bosch Common Rail Generations. Sequence and operating modes of diagnosis software as well as individual test functions with Bosch Diagnostic Tester KTS, Diagnostic strategies and specific detection of faults as well as fault rectification, Testing of Low-pressure / High-pressure circuit using Bosch Diesel sets 1 & 3. Testing of back flow using Injector Return-flow measuring device.

## Training on Bosch Airbag System – Expert Module

**Course Code:** SRS (Supplementary Restraint System)  
**Duration:** 1 day  
**Place:** BTC (Naganathapura, Bengaluru)  
**Objective:** Giving participants expert-level training in Vehicle Safety Systems, detection of Diagnosis Possibilities and Solutions, and handling Diagnostic Equipment.  
**Participants:** Vehicle mechanics / Electricians / Motor mechatronic engineers / Automotive engineers / Master mechanics with good knowledge on application of ESI[tronic] & Bosch testing devices (KTS).  
**Course Content:** Safety Specifications and Workplace Instructions dealing with Airbags, Overview of Bosch Airbag Systems, Assembly and Functioning of Passive Safety Systems, Airbag Module (Driver, Passenger Window Pad), Sensor Technology of Restraint Systems, Additional Functions such as Rollover Protection, Safety Battery Terminal, Active Head Restraint, and Diagnostics and Repair possibilities with ESI[tronic] and KTS, Testing of Systems in the Vehicle with the help of ESI[tronic] and CAS / CAS (plus) KTS 550 / 570, Developing Diagnostic Strategies and Detection of Diagnosis Possibilities primarily in the complete System of the Vehicle, Practical Operation in Vehicles which are equipped with the above-mentioned Systems.

## Training on Mechanical Braking Systems, Components, and Testing

**Course Code:** BRM (Mechanical Braking) – Basic Module  
**Duration:** 2 days  
**Place:** BTC (Naganathapura, Bengaluru)  
**Objective:** Understanding the basic mechanical braking system, components, inspecting, and testing.  
**Participants:** Basic training for Motor Mechanics / Automobile Engineers.  
**Course Content:** Fundamentals of Braking System, Different types of Braking Systems (mechanical, hydraulic, air), Different Braking System Circuits, Familiarisation of Braking System components and their functions, Inspection and Testing of the main components of the Braking System, Removal & replacement method for Brake Pads, Cylinders, etc., Measurements: Wheel Hub, Brake Disc, Wear Test, Pressure Test, Classification of Brake Fluids and its importance, Brake Bleeding and Brake Pedal Setting, Troubleshooting Instructions.

## Training on Electronic Braking Systems, Components, and Testing

**Course Code:** BRE (Electronic Braking System) – Advanced Module  
**Duration:** 2 days  
**Place:** BTC (Naganathapura, Bengaluru)  
**Objective:** Understanding the Anti-lock Braking System, Components, Inspection, Troubleshooting, and Testing.  
**Participants:** Basic training for Motor Mechanics / Automobile Engineers.  
**Course Content:** Limitations of Mechanical Braking System, Introduction and Advantages of ABS, Understanding Braking Force, Coefficient of Friction, Understanding the Braking Force in different road conditions, Location and Function of ABS Components, Understanding of different types of Wheel Speed Sensors, Function of Bosch ABS Systems: ABS 2S, ABS 2E, ABS 5.0, ABS 8.0 in the areas of Hydraulics and Electricals, Understanding the Wiring Diagram of ABS: ABS: Self-diagnosis & SIS on a car using KTS, Guided Troubleshooting, ABS Bleeding, Repair & Safety Instructions, Introduction to TCS / ESP.

## Training on Electronic Power Steering

**Course Code:** EPSV (Electronic Power Steering) – Advanced Module  
**Duration:** 2 days  
**Place:** BTC (Naganathapura, Bengaluru) and JCCs  
**Objective:** Independent execution of Diagnostics / Repair and Maintenance work in Electronic Power Steering.  
**Participants:** Vehicle Mechanics / Electricians / Automotive Engineers / Master Mechanics with good knowledge of application of ESI[tronic] & Bosch testing device KTS.  
**Course Content:** Basic knowledge on Mechanical Steering System, Basic knowledge on Steering Geometry / Limitation in Mechanical Steering System, Inspection of Mechanical Components, Overview of EPS and Components, Different EPS Modules, Self-diagnosis on Vehicle, Testing of the Components using KTS.
## Training on Transmission Systems – Expert Module

<table>
<thead>
<tr>
<th>Course Code: DT</th>
<th>Duration: 3 days</th>
<th>Place: BTC (Naganathapura, Bengaluru)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objective: To make participants competent in carrying out quality service on complete transmission systems fitted in vehicles.</td>
<td>Participants: Personnel at Bosch Car Service, Workshops offering Vehicle Service.</td>
<td></td>
</tr>
<tr>
<td>Course Content: Practical on Dismantling and Assembling of all types of Transmission Systems fitted in Vehicles, Understanding the Power flow, Inspection of Transmission Components, Checking of mechatronics of Automatic &amp; Direct Shift Gearboxes, etc.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Training on Vehicle Diagnosis – Expert Module

<table>
<thead>
<tr>
<th>Course Code: DTP</th>
<th>Duration: 2 days</th>
<th>Place: BTC (Naganathapura, Bengaluru), JCCs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objective: To make participants competent in carrying out quality service on complete vehicle systems using Bosch Diagnostic Tools.</td>
<td>Participants: Senior Technicians at Bosch Car Service offering Vehicle Service who have undergone advanced and expert-level training programmes at our training centres.</td>
<td></td>
</tr>
<tr>
<td>Course Content: Operating Instructions, Maintenance, Troubleshooting Guidelines in solving the major Electrical faults using Bosch ESI2.0 Service Literature (SIS / CAS).</td>
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</tr>
</tbody>
</table>

## Training on Vehicle Electric Systems – Expert Module

<table>
<thead>
<tr>
<th>Course Code: VEL</th>
<th>Duration: 2 days</th>
<th>Place: BTC (Naganathapura, Bengaluru)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objective: To make participants competent in carrying out quality service on Vehicle Electricals &amp; Electronic Systems.</td>
<td>Participants: Personnel handling Electrical work at Bosch Authorised Service Centres.</td>
<td></td>
</tr>
</tbody>
</table>

## In-depth Course on Vehicle Systems for Master Technicians – Expert Module

<table>
<thead>
<tr>
<th>Course Code: BST - CAR</th>
<th>Duration: 2 to 5 days (depending on the module)</th>
<th>Place: BTC (Naganathapura, Bengaluru), JCCs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objective: To make participants ‘Master Technicians’ on Vehicle Systems as per the detailed course plan.</td>
<td>Participants: System Technician Trainees working with Bosch Authorised Car Workshops (By invitation).</td>
<td></td>
</tr>
</tbody>
</table>

## Basic Training on 2-Wheeler – Servicing

<table>
<thead>
<tr>
<th>Course Code: EBS</th>
<th>Duration: 2 days</th>
<th>Place: BTC (Naganathapura, Bengaluru), JCCs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objective: To educate participants about Maintenance tips in 2-Wheelers, Bosch Test Equipment for 2-Wheelers, Bosch product knowledge, and Warranty terms and conditions.</td>
<td>Participants: Bosch Territory Managers – Sales and Service, Bosch Authorised Distributors' Field Representatives, Bosch Authorised Product Stockists, EBS Dealers.</td>
<td></td>
</tr>
<tr>
<td>Course Content: Working of Gasoline Engines and Maintenance of the Vehicle.</td>
<td></td>
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</tr>
</tbody>
</table>

## Advanced Training on 2-Wheeler – Engine Repair & Inspection

<table>
<thead>
<tr>
<th>Course Code: EBS - I</th>
<th>Duration: 2 days</th>
<th>Place: BTC (Naganathapura, Bengaluru)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Objective: To educate participants about repair and inspection of a 2-Wheeler Engine.</td>
<td>Participants: EBS Dealers, Neutral Garages, Institute Students, College Students.</td>
<td></td>
</tr>
<tr>
<td>Course Content: Dismantling and Assembly Procedure of a 2-Wheeler Engine. Diagnosis, Repair, and Inspection of a 2-Wheeler.</td>
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<td></td>
</tr>
</tbody>
</table>
Joint Certification Centre (JCC)

Basic Course on Cars for BCS Personnel

Course Code: BCS-1 – Basic Module
Duration: 2 days
Place: JCCs

Objective: To enable operating-level Bosch Car Service Personnel understand the concept and make them competent in Vehicle Diagnosis.

Participants: Bosch Car Service Technicians.

Course Content: Engine tuning and Performance testing, Clutch Introduction and Maintenance, Steering and Wheel alignment, Braking system, Suspension system, Battery starter and Alternator Maintenance, Application of KTS.

Advanced Training on Body Comfort & Convenience Electronics – Vehicle Diagnostics

Course Code: BCCE (Body Comfort & Convenience Electronics) – Expert Module
Duration: 2 days
Place: JCCs

Objective: Giving participants expert-level training in various functions of diagnostics for vehicle body comfort and convenience electronics.

Participants: Vehicle Mechanics / Electricians / Motor Mechatronic Engineers / Master Mechanics with good knowledge for application of ESI[tronic] & Bosch Testing Devices KTS.

Course Content: Installation and functioning of Air Conditioner and components, Components of hydraulic circuits for throttle and expansion valve, Assembly and function of Air Condition control, Components of Air Conditioner controls such as switch, sensor, actuator motor, & control unit, Testing of systems in the vehicle with the help of ESI[tronic] and CAS / CAS (plus) KTS 550 / 570, Developing diagnostic strategies and detection of diagnostic possibilities primarily in the complete system of the vehicle, Practical operation in vehicles which are equipped with the above-mentioned systems.

Measurement and Testing of Sensors & Actuators

Course Code: MTS&A (Measurement, Testing of Sensors & Actuators) – Advanced Module
Duration: 2 days
Place: JCCs

Objective: Basic knowledge-base for specific diagnosis of faults in vehicles with main focus on safe and effective handling of various systems in the vehicle.

Participants: Motor Mechanics / Motor Electricians / Motor Mechatronic Engineers / Automotive Engineers.

Course Content: Summary of diagnosis with measuring devices such as: Multimeter, Engine tester KTS, Dealing with electrical circuits, Sensors & Actuators in the following systems: MPFI System, Common Rail System, Ignition (Distributor-type & Distributor-less – Electronic), Explanation and evaluation of different output and input signals, Independent operation with ESI[tronic], KTS, Multimeter.

Basic Knowledge Course on Brake Pads

Course Code: BP
Duration: 1 day
Place: JCCs

Objective: To make participants competent in dealing with Bosch Brake Pads.

Participants: BCS Personnel, Bosch Authorised Product Stockists, Bosch Authorised Stockists dealing in Brake Pads.

Course Content: Working principles of Disc Brakes. Features, Advantages, and Benefits of Bosch Brake Pads.

Training on Vehicle Diagnosis – Expert Module

Course Code: DG
Duration: 2 days
Place: JCCs

Objective: To make participants competent in handling Advanced Diagnostic Equipment like KTS, BAT, and other Test Equipment.

Participants: Personnel employed with Bosch Authorised Workshops and BCS.

Course Content: Diagnosis on vehicles using KTS, BAT, and other Test Equipment.

Course on KTS usage (with ESI[tronic])

Course Code: KTS XXX
Duration: 2 days
Place: JCCs

Objective: To enable participants to understand the concept of vehicle diagnosis application / features of KTS & to become competent in the use of ESI[tronic].

Participants: Bosch Car Service / Bosch Authorised Workshop personnel nominated to handle KTS & ESI[tronic].

Course Content: Practical Demonstration on usage of KTS & ESI on the vehicle, detailed explanation on each chapter of ESI, and practice by the participants.
Courses for Bosch Car Service Personnel

Course on Automatic Transmission Systems

Course Code: ATS  
Duration: 2 days  
Place: BTC 
Objective: To make participants competent in carrying out quality service on complete Automatic Transmission Systems fitted in vehicles.  
Participants: Personnel at Bosch Car Service, Workshops offering Vehicle Service and Transmission repairs.  
Course Content: Practical on Dismantling and Assembling of Automatic Type Transmission System fitted in Passenger Car Vehicles, Understanding the Power flow, Inspection of Transmission Components, Checking of mechatronics of Automatic & Direct Shift Gearboxes, etc.

Course on Gasoline Direct Injection Systems

Course Code: GDI  
Duration: 2 days  
Place: BTC 
Objective: To make participants understand Gasoline Direct Injection system functioning, Trouble shooting and diagnosis.  
Participants: BOSCH Car Service / Bosch Authorised Workshop personnel nominated to handle Service on vehicle.  
Course Content: Components of GDI system for throttle and expansion, Construction of GDI system, Components such as switch, sensor, actuator motor, & control unit, Testing of systems on the vehicle with the help of ESI[tronic] and CAS / CAS (plus) KTS 550 / 570, Developing diagnostic strategies and detection of diagnostic possibilities primarily in the complete system of the vehicle, Practical operation in vehicles which are equipped with the above-mentioned systems.

Training for BOSCH Car Service Franchise Personnel

Course Code: BCS - 3  
Duration: 2 days  
Place: BTC, JCC's & LTC's  
Objective: To make participants competent in handling vehicle service at respective workshops in different systems including Testing of components in Test Equipment.  
Participants: BOSCH Car Service Personnel / Bosch Workshop Personnel nominated to handle Vehicle Service.  
Course Content: Vehicle Configuration and systems, Engine Basics, Engine systems, Basic Electrical and Electronics, Vehicle maintenance, Transmission Types, Chassis, Suspension, Brakes, Bosch products, Replacement period, BOSCH Test equipment.

Course on Advanced Technologies for 2-Wheelers

Course Code: EBS - 2  
Duration: 2 days  
Place: BTC 
Objective: To make participants competent in carrying out quality service on advanced systems like ABS and Fuel injection system of 2-Wheelers for different models.  
Participants: Personnel at Express Bike Service, Workshops offering Bike Service and Repairs.  
Course Content: Theoretical working with practical demonstration on 2-W fault diagnosis on 2-Wheeler Fuel Injection System and Anti-lock Braking System, along with various component checks and disassembly & assembly on vehicle.

Course on Territory Manager – Sales

Course Code: TMSS  
Duration: 5 days  
Place: BTC (Naganathapura, Bengaluru)  
Objective: To make participants competent in handling sales and service activities pertaining to Bosch Products.  
Participants: Bosch Territory Managers – Sales and Service (by invitation).  
Course Content: Product-specific contents (will be mentioned in the invitation).

Bosch Training Centre (BTC)

Course for Territory Manager – Service

Course Code: TMSE  
Duration: 5 days  
Place: BTC (Naganathapura, Bengaluru)  
Objective: To make participants competent in handling service activities pertaining to new Bosch Products and Equipment.  
Participants: Bosch Territory Managers – Service (by invitation).  
Course Content: Product-specific contents (will be mentioned in the invitation).

Joint Certification Centre (JCC)

Seminars – Techno-commercial

Training for Bosch Authorised Workshop Foremen (All Automotive Products)

Course Code: BWF  
Duration: 1 day  
Place: JCCs 
Objective: To make Bosch Authorised Workshop Foremen competent in carrying out quality service on Bosch FIE and AE Products, thus ensuring customer satisfaction.  
Participants: Foremen working in Bosch Authorised Workshops.  
Course Content: Advanced knowledge on all Bosch Products, FIE, AE, and Automotive Accessories, Warranty Administration, Attending to Customers, Safety and Housekeeping, Troubleshooting of Vehicles, Effective Field Campaigning, and Tips on Developing the Service Business.
### Basic Knowledge Course for Counter Salesmen

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>Duration:</th>
<th>Place:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSM</td>
<td>1–2 days</td>
<td>JCCs</td>
</tr>
</tbody>
</table>

**Objective:** To make Bosch Authorised Workshop Counter Salesmen competent in attending to customers profitably and ensuring customer satisfaction.

**Participants:** Counter Salesmen working in Bosch Authorised Workshops.

**Course Content:** Basic knowledge on Bosch Products, FIE, AE, and Automotive Accessories, Warranty Administration, Attending to Customers, Effective Field Campaigning, and Tips on Developing the Service Business.

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### Basic Knowledge Course for Field Representatives of Bosch Network

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>Duration:</th>
<th>Place:</th>
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</thead>
<tbody>
<tr>
<td>PFR - 4W</td>
<td>1–2 days</td>
<td>JCCs</td>
</tr>
</tbody>
</table>

**Objective:** To make participants competent in handling Bosch Products and related market issues.

**Participants:** Field Representatives working with Bosch Authorised Network.

**Course Content:** Basic knowledge on Bosch Products, FIE, AE, and Automotive Accessories, their Qualities, Features, Customer Service Issues, and Warranty Administration.

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### Basic Knowledge Course for Bosch Authorised Stockists

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>Duration:</th>
<th>Place:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS</td>
<td>1 day</td>
<td>JCCs</td>
</tr>
</tbody>
</table>

**Objective:** To make participants competent in handling Bosch Products and related market issues.

**Participants:** Bosch Authorised Stockists, Proprietors / Partners.

**Course Content:** Basic knowledge on Bosch Products, FIE, AE, and Automotive Accessories, their Qualities, Features and Schemes, Selling Skills, Spare Parts Inventory Planning, Customer Service Issues, and Warranty Administration.

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### Advanced Knowledge Course on Warranty

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>Duration:</th>
<th>Place:</th>
</tr>
</thead>
<tbody>
<tr>
<td>WTY</td>
<td>1 day</td>
<td>JCCs</td>
</tr>
</tbody>
</table>

**Objective:** To make participants competent in handling Warranty Issues.

**Participants:** Bosch Authorised Distributors, Field Representatives, Bosch Authorised Product Stockists, BCS, etc.

**Course Content:** Manufacturing Codes, Warranty Terms and Procedures.

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### Detailed Course on Bosch Warranty System

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>Duration:</th>
<th>Place:</th>
</tr>
</thead>
<tbody>
<tr>
<td>WTY - 2</td>
<td>2 days</td>
<td>JCCs</td>
</tr>
</tbody>
</table>

**Objective:** To make participants competent in handling warranty of Bosch products range effectively at Bosch Authorised Dealer Points, Filling Warranty Job Cards & Punching the Warranty Jobs in BWS online.

**Participants:** BDS / ODP personnel from Bosch Authorised Workshops who handle Warranty complaints & are responsible for filling the Warranty Job Card & punching / monitoring warranty data in BWS online system.

**Course Content:** Bosch Warranty Policy in detail, Warranty Terms, Manufacturing Code, Procedures, new hints for filling the Warranty Claims, appropriate Defect Code for the critical defects, new information related to BWS online, BWS online (live) to demonstrate Claim Filling, Service / Technical Information released in connection with the Warranty & BWS online, current Field Issues, Warranty decision on critical field failures in FI & AE, Planning / Ordering as per the new releases & market potential.

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### Course on General / Quick Service (For Customer Segment - Shell / Castrol)

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>Duration:</th>
<th>Place:</th>
</tr>
</thead>
<tbody>
<tr>
<td>QS (4W &amp; 2W) - Quick Service</td>
<td>3 Days</td>
<td>BTC</td>
</tr>
</tbody>
</table>

**Objective:** To make participants competent in handling General / Quick Service of Passenger Cars and 2-Wheelers in Fuel-filling Stations as value-add.

**Participants:** Shell / Castrol Fuel Station Operators.

**Course Content:** General / Quick Service for Fuel Station Operators. (For Customer Segment - Shell / Castrol)
### Bosch Training Centre (BTC)

#### For Railways – Training on PF Pump – WV-Type & Injector

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>Duration: 2 days</th>
<th>Place: BTC (Naganathapura, Bengaluru)</th>
</tr>
</thead>
</table>

**Objective:** To make participants competent in carrying out quality service on Fuel Injection Equipment.

**Participants:** Fuel Injection Equipment Service Personnel of Railways.

**Course Content:** Working Principles, Repair, and Testing of PF-Type Fuel Injection Pumps and Injectors used by Indian Railways, Safety and Housekeeping, Maintenance and Upkeep of Service Literature.

#### Diesel System Course for Defence Personnel

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>Duration: 2 days</th>
<th>Place: BTC (Naganathapura, Bengaluru)</th>
</tr>
</thead>
</table>

**Objective:** To make participants competent in carrying out quality service on Diesel Fuel Injection Equipment.

**Participants:** Fuel Injection Equipment Service Personnel from Defence organisations having a minimum of two years of on-the-job experience.


### Joint Certification Centre (JCC)

#### Basic Course for State Transport Undertakings (FIE, AE, & Auto Accessories)

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>Duration: 2 days</th>
<th>Place: JCCs</th>
</tr>
</thead>
</table>

**Objective:** To provide knowledge on Bosch Products.

**Participants:** Technicians working with State Transport Undertakings and other Government Departments.

**Course Content:** Basic knowledge of Bosch Products, Maintenance Aspects, their Qualities, Features, and Warranty Terms, Trade Goods (Bulbs, High Pressure Pipes, Filters, etc.)

#### Advanced Course for State Transport Undertakings (FIE, AE, & Auto Accessories)

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>Duration: 2 days</th>
<th>Place: JCCs</th>
</tr>
</thead>
</table>

**Objective:** To make participants competent in carrying out quality service on Diesel Fuel Injection Equipment, Auto Electrical, and other Bosch Products.

**Participants:** Nominated Personnel from State Transport Undertakings.

**Course Content:** Working Principles, Repair, and Testing of PE Multi-cylinder Pumps, VE, VE (EDC), Common Rail, Alternators, Starter Motors, and other Bosch Automotive Accessories.

#### Diesel System Course for Defence Personnel

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>Duration: 2 days</th>
<th>Place: JCCs</th>
</tr>
</thead>
</table>

**Objective:** To make participants competent in carrying out quality service on Diesel Fuel Injection Equipment, Auto Electrical, and other Bosch Products.

**Participants:** Nominated Personnel from Defence Organisations.

**Course Content:** Working Principles, Repair, and Testing of PE Multi-cylinder Pumps, Alternators, Starter Motors, and other Bosch Automotive Accessories.
### Joint Certification Centre (JCC)

#### Basic Course for OE Customer Dealer

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>OECD</th>
<th>Duration: 1 day</th>
<th>Place: JCCs</th>
</tr>
</thead>
</table>

**Objective:** To provide knowledge on Bosch Products and Marketing Policies.

**Participants:** Works Managers and Technicians working with OECDs.

**Course Content:** Basic knowledge of Bosch Products, FIE, AE, and Automotive Accessories, their Qualities, Features, Schemes, and Warranty Terms.

#### Basic Course for OE Customers on New Developments (Diesel / Energy Systems)

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>OEM</th>
<th>Duration: 2 days</th>
<th>Place: JCCs</th>
</tr>
</thead>
</table>

**Objective:** To provide knowledge on Bosch Products (FIE and AE) and to apprise participants of the latest developments in Bosch Products.

**Participants:** Managers / Engineers of OEMs manufacturing Diesel Engines and Vehicles.

**Course Content:** Design, Working Principles, Test Procedure of Bosch Products (FIE and AE), and latest developments.

### Bosch Training Centre (BTC)

#### Seminar for OE Customers on New Developments (Diesel / Energy Systems)

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>OES</th>
<th>Duration: 3 days</th>
<th>Place: BTC (Naganathapura, Bengaluru)</th>
</tr>
</thead>
</table>

**Objective:** To provide knowledge on Bosch Products and to inform participants about the latest developments in Bosch Products.

**Participants:** Managers / Engineers of OEMs manufacturing Diesel Engines and Vehicles.

**Course Content:** Design, Working Principles, and Test Procedures of Bosch Fuel Injection and Auto Electrical Equipment, Interaction with Bosch R&D, Quality, and Service Departments.

#### Joint Certification Centre (JCC)

#### Basic Course for OE Customers on New Developments (Diesel / Energy Systems)

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>OEM</th>
<th>Duration: 2 days</th>
<th>Place: JCCs</th>
</tr>
</thead>
</table>

**Objective:** To provide knowledge on Bosch Products (FIE and AE) and to apprise participants of the latest developments in Bosch Products.

**Participants:** Managers / Engineers of OEMs manufacturing Diesel Engines and Vehicles.

**Course Content:** Design, Working Principles, Test Procedure of Bosch Products (FIE and AE), and latest developments.

### Bosch Training Centre / Joint Certification Centre (BTC / JCC)

#### Train-the-Trainer Course on Diesel, Gasoline, and Vehicle Diagnosis

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>TTT</th>
<th>Duration: 5 days</th>
<th>Place: BTC (Naganathapura, Bengaluru)</th>
</tr>
</thead>
</table>

**Objective:** The 'Train-the-Trainer Programme' enables participants to stay abreast of the latest technologies.

**Participants:** Trainers at educational institutes, OE customers, and other institutional customers, Regional / Local Trainers (by special invitation).

**Course Content:** New technologies in Diesel, Gasoline, Vehicle Diagnosis – Hardware and Software, Latest Products launched, and Service and Training Concepts.

#### Training for Students on Diesel & Gasoline Systems

<table>
<thead>
<tr>
<th>Course Code:</th>
<th>NEI - 2</th>
<th>Duration: 3 days</th>
<th>Place: BTC (Naganathapura, Bengaluru), JCCs</th>
</tr>
</thead>
</table>

**Objective:** To educate participants about new automotive technologies.

**Participants:** Final Year Students from Technical Education Institutes.

**Course Content:** New Technologies in Diesel and Petrol Injection and Vehicle Diagnosis – Hardware and Software.
### Joint Certification Centre (JCC)

#### Basic Training for Students on Diesel & Gasoline Systems

<table>
<thead>
<tr>
<th>Course Code: NEI - 1</th>
<th>Duration: 1 day</th>
<th>Place: JCCs</th>
</tr>
</thead>
</table>

**Objective:** To make participants knowledgeable about new automotive technologies.

**Participants:** Final Year Students from Technical Education Institutes.

**Course Content:** New Technologies in Diesel and Petrol Injection, Vehicle Diagnosis – Hardware and Software, and Product Knowledge on New Automotive Technologies and Accessories.

#### Basic Course for Trainers of Educational Institutes on Products and Vehicle Diagnostics

<table>
<thead>
<tr>
<th>Course Code: INS</th>
<th>Duration: 1 day</th>
<th>Place: JCCs</th>
</tr>
</thead>
</table>

**Objective:** To provide knowledge on all Bosch Products, and Test & Diagnostic Equipment.

**Participants:** Lecturers from Engineering Colleges, Polytechnics, and other Educational Institutions.

**Course Content:** Basic Knowledge & Updates on latest developments on all Bosch Automotive Products, and Test & Diagnostic Equipment.

#### Course on Bosch Automotive Systems for Engineering Students

<table>
<thead>
<tr>
<th>Course Code: EI</th>
<th>Duration: 10 days</th>
<th>Place: JCCs</th>
</tr>
</thead>
</table>

**Objective:** To make participants understand various Systems in Automobiles.

**Participants:** Students from Technical Institutes.

**Course Content:** Basics of Diesel & Gasoline Engines, Diesel & Gasoline Fuel Injection Systems, Energy Systems, Vehicle Diagnosis. Practical Sessions in the Workshop.

#### Comprehensive Course on Automotive Systems for Students

<table>
<thead>
<tr>
<th>Course Code: NEI - 3W</th>
<th>Duration: 6 days</th>
<th>Place: RTC - Pune</th>
</tr>
</thead>
</table>

**Objective:** To educate students about New and Advanced Automotive technologies in Diesel Fuel Injection, Gasoline Fuel Injection, Vehicle Diagnosis, and Auto Electronics.

**Participants:** Final Year Engineering and Diploma Students from Technical Institutes.

**Course Content:** New and advanced technologies in Diesel Fuel Injection, Gasoline Fuel Injection, Live Diagnosis on the Vehicle & Vehicle Auto Electricals.

#### Practical Course on Automotive Systems

<table>
<thead>
<tr>
<th>Course Code: NEI-4W</th>
<th>Duration: 12 days</th>
<th>Place: RTC - Pune</th>
</tr>
</thead>
</table>


**Participants:** Final Year Engineering and Diploma Students from Technical Institutes.

**Course Content:** Diesel and Gasoline Engine Basics, Engine Management Systems, New and Advanced Technologies in Diesel Fuel Injection, Gasoline Fuel Injection, Live Diagnosis on the Vehicle & Vehicle Auto Electricals. Demonstration on testing of the range of Bosch Fuel Injection / Auto Electrical Products on respective Test Benches.

#### Course on Automotive Systems for Students

<table>
<thead>
<tr>
<th>Course Code: INS-W</th>
<th>Duration: 5 days</th>
<th>Place: RTC - Pune</th>
</tr>
</thead>
</table>

**Objective:** To educate the students about Engine Basics, New and Advanced Technologies in Diesel Fuel Injection, Gasoline Fuel Injection, Vehicle Diagnosis, and Auto Electrics.

**Participants:** Final Year Engineering / Diploma Students from Technical Institutes.

**Course Content:** Engine Basics, New and Advanced Technologies in Diesel Fuel Injection, Gasoline Fuel Injection, Live Diagnosis on the Vehicle, and Vehicle Auto Electricals.
Workshop on Bosch Auto Electrical

Course Code: W-AEL-S
Duration: 1 day
Place: JCC – Chennai

Objective: To make participants understand the working of the Auto Electrical System in Vehicles.

Participants: Students from Technical Institutes.

Course Content: Working Principles of Bosch Starter and Alternator, Important Parts, Testing of Starter and Alternator on Test Bench.

Workshop on Bosch In-line Diesel Fuel Injection System

Course Code: W-PE-S
Duration: 1 day
Place: JCC – Chennai

Objective: To make participants understand the working of Diesel Fuel Injection System in Vehicles.

Participants: Students from Technical Institutes.


Workshop on Bosch Distributor Diesel Fuel Injection

Course Code: W-VE-S
Duration: 1 day
Place: JCC – Chennai

Objective: To make participants understand the working of Diesel Fuel Injection System in Vehicles.

Participants: Students from Technical Institutes.


Comprehensive Course on Automotive Systems for Students

Course Code: NEI-D & ES
Duration: 3 days
Place: JCC – Chennai

Objective: To make participants understand the working of Diesel Fuel Injection System and Energy System in Vehicles.

Participants: Students from Technical Institutes.

Course Content: Diesel Engine Basics, Working Principles of Bosch Diesel System (Inline, Distributor, and Rail) and Energy System (Starter and Alternator).

Course on Vehicle Diagnosis for Students

Course Code: NEI-D
Duration: 2 days
Place: JCCs

Objective: To make participants understand Vehicle Diagnosis using KTS & ESI[tronic].

Participants: Students from Technical Institutes.

Course Content: Diesel & Gasoline Engine Management, Diagnosis on Vehicles using KTS and ESI[tronic].

Course on CR Vehicle Diagnosis for Students

Course Code: NEI-CRSD
Duration: 1 day
Place: JCC – Chennai

Objective: To make participants understand Diagnosis on Vehicles fitted with Common Rail System.

Participants: Students from Technical Institutes.

Course Content: Diesel Engine Management, Diagnosis on Vehicles fitted with Common Rail System using KTS and ESI[tronic].
Chandigarh
Local Training Centre (LTC), Rayat Bahra Skill Development Centre (COC) VIII, Sahauran, Near Kharar, (12 Kms from Chandigarh on NH21), Dist. Mohali - 140 104, Punjab. Ph: (0160) 5009 665

Chennai
Joint Certification Centre, C/o: M/s. Bharat University, 173, New Agram Road, Selaiyur, Chennai - 600 073, Tamil Nadu Mobile: +91 87544 55400 E-mail: aravind.k3@in.bosch.com

Kolkata
Bosch Limited Regional Training Centre, Post Box No. 9044, 91-A, Park Street, Kolkata – 700 016, West Bengal. Ph.: (033) 2217 2144 / 2217 5222 E-mail: sanjib.ghosh@in.bosch.com

South Region

West Region

Pune
Joint Certification Centre, D.Y. Patil School of Engineering Sr. No. 124 & 126, A/p Ambi, MIDC Road, Tal Maval, Talegaon Dabhade, Pune – 410 506, Maharashtra E-mail: maheshchander.pant@in.bosch.com

Pune
Joint Certification Centre, D.Y. Patil School of Engineering Sr. No. 124 & 126, A/p Ambi, MIDC Road, Tal Maval, Talegaon Dabhade, Pune – 410 506, Maharashtra E-mail: maheshchander.pant@in.bosch.com
Eligibility and Enrolment Procedure

The Bosch Training Centre
Your partner in educating your specialists.
Qualified, experienced, and competent personnel are essential for handling the service of Bosch products. Send your personnel for training and further education to the Bosch Training Centre. Ensure that you remain competitive in the future.

Following are the types of training that are being offered:

- Web-Based Training
- Hands-On / Practical Training
- Classroom Training

Basic Level Training can be completed by your staff with the help of Web-Based Training on www.boschtraining.in

Bosch Training Passport is being issued to each Trainee after completion of the Training.

Eligibility

- Only those candidates who are employed with and sponsored by Bosch Authorised Representatives, Original Equipment Customers and their Dealers, State Transport Undertakings, Defence Organisations, Government Departments, ITIs, Diploma Colleges, Engineering Colleges, uJCCs, etc., are normally considered eligible for training.

- Candidates should have adequate working knowledge of the medium of instruction. The course should be selected depending upon the proficiency of the candidate in the particular language.

Fee

- For Courses / Seminars at BTC: ₹2,000 per day / person + taxes
- For Courses / Seminars at JCC: ₹1,200 per day / person + taxes
- For Courses at JCC: ₹1,000 per day / person + taxes
- For Specialized Courses / Expert Courses: ₹5,000 per day / person + taxes
- For On-spot Training: ₹20,000 + 1,200 per day / person + taxes
- For Neutral Workshop Courses: ₹2,000 per day / person + taxes

Note: Training Fee will be debited to Network directly by Bosch Limited (DD not required). For External customers like OEMs, UCEDs, STUs, Defence, and Educational Institutions, the Application Form is to be accompanied by DD.

How to Apply

Bosch Training Courses are offered at Bengaluru, Chennai, Kolkata, Pune, New Delhi, & Chandigarh. Candidates may apply at any Training Centre of their choice. Application should be made in the prescribed application form, giving the required particulars to the BTC, or the respective JCC of the region.

Corporate Office:
Bosch Limited
Automotive Aftermarket, P.O Box No: 3000, Hosur Road, Aduugodi, Bangalore - 560030, Karnataka
Mobile: +91 97399 43263, E-mail: sweta.magazine@in.bosch.com

Bengaluru: Bosch Training Centre
Bosch Limited, Naganathapura Plant, Electronics City P.O., Post Box No. 6887, Bengaluru – 560 100, Karnataka
Ph.: (080) 4103 5540 / 41 / 42 / 43, Fax: (080) 2852 1608 / 2852 1239
E-mail: karthik.krishnan2@in.bosch.com, gg.venkatesha@in.bosch.com, ajay.kumar2@in.bosch.com

For Trainings in South, apply to:
Regional Trainer - South
BOSCH Limited, 'Sabari Sunnyside' 2nd Floor, Middle Wing, 8/17, Shafee Mohammad Road,
Off Greams Road, Thousand Lights, Chennai - 600006, Tamil Nadu
Mobile: +91 97544 55400, E-mail: aravind.k3@in.bosch.com

For Trainings in East, apply to:
Regional Trainer – East
Bosch Limited
Post Box No. 3044, 91-A, Park Street,
Kolkata – 700 016, West Bengal.
Ph.: (033) 2217 2144 / 2226 4570. Fax: (033) 2249 7482
E-mail: sanjib ghosh@in.bosch.com

For Trainings in West, apply to:
Regional Trainer – West
Bosch Limited,
Godrej Millenium, 3rd floor, Koregaon Park Rd, Vasani Nagar,
Koregaon Park, Pune - 411 001, Maharashtra
Mobile: +91 98713 07355 / 98757 64775
E-mail: maheshchander.pant@in.bosch.com

For Trainings in North, apply to:
Regional Trainer – North
Bosch Limited
C/o Sunehri Exports, Plot No. B1 / E24,
Mohan Co-operative Industrial Estate,
Mathura Road, New Delhi - 110 044.
Mobile: +91 98713 07355 / 98757 64775
E-mail: parag.kavthekar@in.bosch.com
maheshchander.pant@in.bosch.com

Important Information

Working Hours:
JCC: Monday to Friday – 1000 to 1700 hrs.
BTC: Monday to Friday – 0900 to 1600 hrs.

- Candidates are required to make their own arrangements for boarding, lodging, and transport. If any assistance is required, candidates may approach the respective Training Centres.

- In order to maintain the quality of training (during practical demonstration classes), the number of candidates for each course is restricted to 12.

- Seats are reserved on a ‘first-come-first-served’ basis. Candidates are to be deputed only after receipt of the confirmation from Bosch.

- Candidates reporting for a course without our confirmation will be accommodated only if there is a vacancy.

- Candidates attending the course should bring a letter of introduction from the sponsoring organisation.

- Although precautions are taken for the safety of the trainees, the company assumes no responsibility for any injury caused to them or loss of personal articles during the training period.

- No refund of the Seminar / Course fee for non-participation will be made, nor will it be adjusted for another Seminar / Course.

- Photography is prohibited within the factory premises.

- Applications should reach the Training Centre at least four weeks in advance of the required Seminar / Course.

- Participants shall be held responsible for the loss of any Bosch property from the Training Centre during the training course.

- Participants should not bring laptops, mobile phones with camera, floppy diskettes, CDs / DVDs, video cameras, pen drives, or memory sticks into the Training Centre.
Name of the Sponsoring Organisation: ________________
________________________________________________
Address: ____________________________
________________________________________________
________________________________________________
________________________________________________
PIN: ________________________________
Ph.: ________________________________
Telex: ______________________________
Fax: ________________________________
E-mail: ____________________________

Please fill in the details below:

Name of the Candidate ____________________________ Qualification ____________________________

Designation ____________________________ Experience ________________ Age ________________

Course / Seminar Code __________ Language ________ First Choice ________ Second Choice ________

Preferred Training Centre Location:*

<table>
<thead>
<tr>
<th>Course / Seminar Code Desired*</th>
<th>Language</th>
<th>First Choice</th>
<th>Second Choice</th>
<th>Preferred Training Centre Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.___________________________</td>
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*Please read the Training Programme Guide carefully before selecting the Course / Seminar.
Candidate’s declaration:

I enclose herewith Demand Draft (DD) No. ____________________________ dated __________________________drawn on ____________________________ (Bank) for ₹ ____________________________
towards Course / Seminar fee. (DD required only in case of external customers like OEMs, OECDs, STUs, Defence, Railways, and Educational Institutions.)

I hereby affirm that I will undergo training at my own risk and responsibility and will not claim compensation from Bosch Limited for any injury sustained during my training.

Sponsoring Organisation (OE / MD / BDS / BS / STU / BCS / Defence / Others):
(Strike out whichever is not applicable)

Signature:

Designation: Signature of the Candidate:

Date:

Seal:

Applications will be considered only when sent along with Course / Seminar fee.

For Office use only

Application should reach the Training Centre at least four weeks in advance of the required Course / Seminar.

Corporate Office:
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