

**MEERUT INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MEERUT**



BOSCH LAB (CENTER FACILITY)

LAB INCHARGE - Mr. Shallender Singh Bhati

LAB TECHNICIAN - Mr. Sahansar Pal

MECHANICAL ENGINEERING DEPARTMENT

miet

PMKVY

प्रधानमंत्री कौशल विकास योजना
Pradhanmantri Kaushal Vikas Yojna

Training Programme

AFFILIATED TO
AUTOMOTIVE SKILLS DEVELOPMENT COUNCIL



Skill India
कौशल भारत - कुशल भारत



miet Meerut Institute of Engineering & Technology

GROUP OF INSTITUTIONS



BOSCH
Invented for life

miet
GROUP OF INSTITUTIONS

JOINT CERTIFICATION CENTRE



1. MOU (OLD AND NEW)
2. OBJECTIVES
3. COURSE CONTENTS
4. COURSE OUTCOMES
5. ROAD MAP
6. LIST OF TEAM MEMBERS
7. ACTIVITIES / EVENT CONDUCTED
8. SUMMER TRAINING PROGRAM POSTER
9. PARTICIPATION RECORDS
10. CERTIFICATE OF TRAINING (2018-22)
11. LIST OF EQUIPMENTS
12. REVENUE GENERATED
13. ACHIEVEMENTS
14. AWARDS
15. ECO KART AND REWARD IMAGES
16. FACULTY TRAINING @BOSCH FARIDABAD
(18/6/2016)
17. STUDENTS TRAINING @MIET (24/07/16)
18. EQUIPMENTS



उत्तर प्रदेश UTTAR PRADESH

DC 832719

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MoU") is made on 06th day of May, 2016

BETWEEN

MEERUT INSTITUTE OF ENGINEERING AND TECHNOLOGY having their registered office at N.H. 58, Delhi-Roorkee Highway, Baghat Bypass Road Crossing, Meerut, Uttar Pradesh 250005, India (hereinafter referred to as "MIET")

AND

Bosch Limited, having their registered office at Hosur Road, Aduodi, Bangalore - 560 030, India and its sales office at Bosch Limited, Rishyamook 85 A, Panchkuin Road, New Delhi-110001 (hereinafter referred to as "Bosch")

MIET and BOSCH are individually referred to as "Party" and jointly referred to as "Parties".

The Parties wish to enter into this Memorandum of Understanding (MoU) for establishing **MIET-BOSCH Joint Certification Program** (hereinafter referred to as "**Joint Training Program**") jointly developed by Bosch along with the MIET in the campus of MIET upon the following understanding:

- The proposed Joint Training Program will be established by MIET as per the concept to be designed by Bosch. The proposed Joint Certification Program will cover 100 km radius of Meerut city. It will act as the bridge to address the technological gap and focus on various technical training programs for Bosch dealer network. This Joint Training Program will also enable training to the diploma, degree students of MIET College and nearby industries personnel's (hereinafter referred to as "**Program**").
- BOSCH concept is the efficient combination of hardware, teachware and courseware which is offered by BOSCH as industry oriented training in the field of automotive technology.

(Signatures)
Puneet osha, V. Saran, A. J. Khan, Jagannath

- MIET with assistance of BOSCH (limited only to the assistance mentioned below) will establish and maintain the training center premises (hereinafter referred to as "Premises") for conducting training courses according to the BOSCH concept.
- BOSCH at its discretion shall provide related know how, technology support, supply concept kits for different technologies with non-transferable, limited usage licensed copies of teachware and courseware, train the faculty as "TRAIN THE TRAINER" (TTT) in its training center in Bangalore as necessary, provide training methodologies in line with BOSCH concept, subject to terms and conditions mentioned hereafter.
- MIET, in the Premises and with Bosch approved courses, will impart training to the eligible & selected undergraduate, post-graduate, polytechnic, vocational school students to meet industry requirements, bridging the industry academic gap and enhancing the competency levels of students for better employability. MIET will also provide industrial training to nearby industrial personnel, and wherein the successful students will be awarded a joint certificate of BOSCH and MIET (**Refer the Annexure -2**).

In consideration for Bosch providing training assistance mentioned above, MIET agrees and undertakes to allow Bosch the unrestricted right to use the Joint Training Program Premises to directly impart training for Bosch dealer network, OEMs, OECDs, STUs on cost sharing basis. It being clarified that for Bosch beneficiaries, Bosch will provide its own certificates on Bosch specified format.

- For efficient running of the Premises and to cover the recurring costs, it is recommended to charge nominal fees for the course offered. The fees thus collected shall be shared between Bosch and MIET for their respective efforts as per the terms and conditions contained under **Annexure - 1**.
- MIET shall conduct training course(s) for their student and its student beneficiaries and the number of training days should not exceed 20 calendar days in a month.
- In relation to the implementation of the understanding concluded between the Parties above, the Responsibilities with regard to each of the Parties for the implementation of the MoU as mentioned above shall be as follows:**

8.1 By MIET:

MIET will provide the following facilities for the Joint Certification Program without any cost attached for the infrastructure (hereinafter referred to as "Premises")

- Appoint the teaching staffs to work in this program.
- Procure the state of the art, and Bosch equipment's from Bosch Limited, Bangalore for setting up the training center at MIET, Meerut campus.

- Battery Charger BML 2415
- Battery Tester- BAT 131
- Ampere Clamp
- Battery Load Tester-BLT 301
- Auto Electrical Test bench 3 Phase -AETB 03
- Tools and Accessories for Auto Electrical Service
- ECU Scanner KTS 570

(Signatures)
Puneet osha, V. Saran, A. J. Khan, Jagannath

- Air Conditioning Service Equipment ACS261
- Tyre Changer TCE 4420
- Wheel Balancer WBE 4200
- 3D Wheel Aligner (console and sensor unit): 1 set
- Nozzle Tester - 005
- Injector Assembly
- Starter 12V (IF Type)
- Starter 24V
- Alternator 14V+VP (55 Amps)
- Alternator 24V/55A
- ESI Diagnosis software for 3 years (SD/SIS)
- ESI Feature and Application Software (A)
- Fuel Injection Pump Test bench - EPS 610
- Test Injector
- Inline Pump - 4 cylinder with MPC
- VE Type Distributor pump 4 cylinder
- 022 Test Injector
- Tools and accessories for pump & Injector repair (conventional)
- ES200 ECU scanner
- Two post Lift 4.0 Ton

- iii) To independently develop training classroom of 500 sq. ft. with 20 training chairs, 1 table and chair for trainer, also all the teaching aids like over head projector (OHP), laptops, multi-media system, etc. in Phase 1.
- iv) To independently develop a ventilated workshop area of about 1600 sq. ft. with epoxy coating for facility separately ear marked for auto electrical, Air Conditioning Service Equipment ACS, battery and car scanning module.
- v) MIET shall bear all the costs and expenses of the training courses including printing of books/aids, utilities, catering, uniforms, stationary, electricity (as required for equipments, example - 3 phase), water.
- vi) MIET will provide for the insurance coverage of the Premises at its own costs.
- vii) Conduct at least 36 trainings every year from the recommended 6 training modules.
- viii) Train a minimum of 300 students / participants every year at the "MIET- BOSCH Joint Certification center" in the MIET campus at Meerut.
- ix) Joint certification by Bosch & MIET will be awarded to the students of MIET & such other educational institutions to which MIET has provided training based on the training module enumerated under Annexure 1 and approved by Bosch.
- x) To pay Bosch all fees applicable for each courses as enumerated under Annexure 1.

8.2 By BOSCH:

- i) Conduct first batch of "TRAIN THE TRAINER" course at the Bosch training center, Bangalore. Refresher training or any other trainings shall be conducted by Bosch on a chargeable basis as enumerated under Annexure 1.
- ii) To provide all the Technical training material/documents in soft copy version for all Bosch products.
- iii) To provide front board as well as wall charts of BOSCH systems at the premises.
- iv) To provide web based training modules and training animations at the premises.

(Handwritten signatures and initials)
 A. Mohan, Purneet ogha, V. Saran, Gagarnwal 3

- v) To help the premises for making training documents and presentations.
- vi) To provide BOSCH training documents on BOSCH systems.
- vii) To support for training marketing with BOSCH network.
- xi) To provide details on commercials including the share in the training fees between MIET & Bosch.

The medium of imparting the training documents will be in English only.

All the above shall, however, be subject to MIET fulfilling all conditions mentioned under clause 8.1.

9. Intellectual Property Rights and Confidentiality

- 9.1 With the prior written approval of Bosch, MIET shall be authorized to use the Training handout/materials provided by Bosch during the term of this MoU. Such use is limited, however, to intimate the training courses to the students and the public in general who apply for the courses and subject to the guidelines and instructions of Bosch and not to be used for any other commercial purpose outside the scope of this MoU.
- 9.2 MIET acknowledges that the right to use the materials (over which Bosch has copyright) herein is for use in relation to the MIET-BOSCH Joint Certification Program in Meerut, India only.
- 9.3 During the term of this MoU, MIET shall, with prior written permission of Bosch, advertise its association with Bosch, for the purpose of advertising and promoting the Program and the training courses. However, it shall only be in the manner permitted or as prescribed or instructed by Bosch.
- 9.4 MIET shall not, under any circumstances whatsoever, use the teaching materials, tools (provided by Bosch and over which Bosch has proprietary rights) for any other purpose other than what has been detailed under this MoU.
- 9.5 MIET shall not, under any circumstances whatsoever, modify and or alter any material and or impart any training which is in deviation of the courses designed by Bosch. Bosch shall not provide any certification in such a situation. If, however, MIET has breached the conditions of this provision and has not informed Bosch and Bosch being unaware issues certificates, in addition to its right to recall such certificate it shall also have the right to claim against MIET for breach and any kind of claim from a third party due to the exercise of a recall right by Bosch and any kind of claim from a third party due to the exercise of a recall right by Bosch.
- 9.6 Each Party agrees to treat with the utmost confidentiality all documents, information and/or data obtained in the course of the execution of this MoU and deemed confidential by the other Party or which due to the nature of such information should be treated as confidential and shall not disclose same without the prior written confirmation of the Party that disclosed the information unless compelled by a lawful order of a court of law or as a result of binding legislation.

All confidential information submitted by one Party to the other shall remain the property of the Party from which it originates. Each Party shall return to the other all the confidential information received from the other Party and any copies thereof, promptly upon the request of the other Party which disclosed the confidential information, however, one copy may be retained for archival purpose.

No other warranties are made by either party under this MoU and all information exchanged under this MoU is provided "as is". The disclosing Party shall not be in any way responsible for any decisions or commitments made by receiving Party in reliance with the disclosing Party's confidential information.

(Handwritten signatures and initials)
 A. Mohan, Purneet ogha, V. Saran, Gagarnwal 4

No patent, copyright or other intellectual property rights are transferred by this MoU, nor is any right or license under any invention or patent granted hereunder.

10. Duration, Amendment and Termination of the MoU

- 10.1 This MoU shall be valid for a period of three (03) years from the Effective Date. During the period of its validity, the MoU can be amended any time by mutual consent of both the parties in writing. The MoU can also be terminated by mutual consent or by either party giving the other a three months written notice of its desire to terminate the MoU .
- 10.2 Notwithstanding any termination, the MoU shall continue to survive and be effective with regard to all rights and obligations of the Parties which existed prior to the termination of this MoU until such rights and obligations have been fulfilled.
- 10.3 Promptly following the request of Bosch, at any time during the term of this MoU and or earlier termination, MIET will return to Bosch all materials(ie. Training Content, Front Board, Signage etc) provided to MIET in furtherance to the understanding between the Parties. Such exercise shall be undertaken by MIET within 30 days of receipt of such notice from Bosch.

Notwithstanding anything contained above and/or under any of the terms and conditions of this MoU, if the Parties in good faith continue their business understanding enumerated under this MoU even after expiry or early termination of this MoU, then such relationship shall be governed by the terms and conditions of this MoU until a fresh MoU has been executed.

11. Dispute Resolution

- 11.1 Any difference or dispute between the Parties concerning the interpretation and/or implementation and/or application of any of the provisions of this MOU (each a "Dispute") shall be settled amicably through mutual consultation or negotiations between the Parties, without reference to any third party.

However, if the Dispute remains unresolved for 90 working days from the above referral, the same shall be referred to arbitration under the provisions of the Arbitration and Conciliation Act, 1996 by notice in writing by either Party to the other Party ("Arbitration Notice"). The Parties shall jointly appoint a sole arbitrator within 15 (fifteen) working days of the Arbitration Notice failing which either Party shall approach a court of competent jurisdiction for appointment of a sole arbitrator as per the provisions of the Arbitration and Conciliation Act, 1996. The seat of arbitration shall be Bangalore and the language shall be English. The arbitration shall be final and binding on the Parties.

12. Governing Law and Jurisdiction

- 12.1 This MoU shall be governed by the laws of India and the courts of Bangalore shall have exclusive jurisdiction for all disputes under this MoU.

13. Miscellaneous

- 13.1 This MoU supersedes and replaces any and all prior agreements, understandings or arrangements, whether oral or written heretofore made between the Parties and relating to the subject matter hereof, and constitutes the entire understanding of the Parties with respect to the subject matter of this MoU. This MoU may not be modified, changed, altered or amended except by an express written agreement signed by all Parties hereto.

- 13.2 The Parties agree that neither Party shall have any right or entitlement or authority to sub-contract (other than delegation as may be required to training partners of either Party) or assign or transfer any rights or obligations or any part thereof under this MOU to any third party, without the prior written consent of the other Party
- 13.3 MIET hereby shall indemnify and keep indemnified Bosch from and against all claims, demands, actions, suits and proceedings, whatsoever that may be brought or made against Bosch on behalf of any person, body, authority whomsoever and whatsoever and all duties, penalties, levies, taxes, losses, damages, cost, charges and expenses and all other liabilities of whatsoever nature which Bosch may now or thereafter be liable to pay, incur or sustain by virtue of or as a result of the performance or non performance or observance or non-observance by MIET of any of the terms and conditions of this MoU or otherwise.
- 13.4 This MoU shall be executed in two counterparts, each of which shall be deemed as original but all of this together shall constitute one and the same instrument.

In witness whereof the two parties have signed this Memorandum of Understanding by the hand of, on behalf of BOSCH LIMITED and by the hand of, on behalf of MIET college Campus on date, month and year referred to above.

Bosch Limited, Bangalore		MIET, Meerut	
Signature 1		Signature 1	
Name	Abhijit Kallianpur	Name	VISHNU SARAN
Designation	Business Unit Head, Automotive Service Solutions	Designation	CHAIRMAN
Place	Bangalore	Place	MEERUT
Date	24/5/16	Date	06-05-2016
Signature 2		Signature 2	
Name	Sundar J	Name	GAURAV AGARWAL
Designation	Head Technical Support and Services	Designation	VICE CHAIRMAN
Place	Bangalore	Place	MEERUT
Date	07 May 2016	Date	06-05-2016

Witness 1	<i>A. Kohli</i>	Witness 1	<i>D. Rastogi</i>
Name	ANIL KUMAR KOHLI	Name	SANJAY RASTOGI
Designation	REGIONAL MANAGER, NORTH	Designation	HEAD COMMERCIAL & FINANCE, MIET MEERUT.
Place		Place	
Date		Date	06-05-2016
Witness 2	<i>Puneet Gha</i>	Witness 2	<i>Ankur</i>
Name	PUNEET GHATA	Name	ANKUR VERMA
Designation	BUSINESS MANAGER, GHAZIABAD	Designation	ASST. PROFESSOR, MIET
Place		Place	MEERUT
Date		Date	06-05-2016

Enclosures:

- Annexure -1: Course recommendation, Course fee & Sharing of course fee between MIET and Bosch.
- Annexure -2: Certification procedures

**ANNEXURE-1
RECOMMENDED COURSE MODULES**

Course Code	Type of Course	Course Title	Duration (Days)	Training Fee (INR)/ + Service Tax as applicable/ Participant/day
DS	Basic	Basic Diesel engine System management	4 Days	1000
AEL	Basic	Automotive Electrical	2 Days	1000
EEM+ BCS	Basic	Electrical and Electronic Diagnostics	2 Days	1000
RUR	Basic	Tyre changer and wheel Balancer	1 Day	1000
Aligner	Basic	Wheel Alignment	1 Day	1000
1 AC & HVAC	Basic	Fluid Exchange	2 Days	1000

Note:

- ... Training courses are open to all students. All courses are optional to students.
- ... Training fee for MIET- 80 % of the total fee / Course / Participant.
- 3. There is no minimum guarantee of participants from either side. Both parties have agreed to work for maximizing the participation. Fee sharing is purely based on actual numbers of participants as mutually agreed. Such sharing will occur twice in a year during every April and October Month.
- 4. Other Bosch Training Modules will be conducted in Bosch Training center facility based on the MIET request and participation confirmation.
- 5. Refresher training shall be charged at INR 1500/day/candidate.

Norms for Training Centre Fees-

Nature Of Course	Training Fee(INR)	For MIET students/Joint Certificate Course		Bosch Dealers, Bosch Customers, Bosch Business Partners, Bosch customer dealers, Government & Non-Government set up & Institution	
		Training fee Share for BOSCH	Training fee share for MIET	Training Fee Share for BOSCH	Training fee Share for MIET
Basic Course	Rs 1000/Day/Participant	20%	80%	80%	20%
Advance Course	Rs 1500/Day/Participant	20%	80%	80%	20%

Course Fee to be reviewed jointly once in a year for revision, if any.

ANNEXURE -2

CERTIFICATION PROCEDURES

1. Certificates are issued only to those students who scores minimum marks (50%) in the theoretical and practical examination conducted by MIET through the training premises. In case the student/candidate fails, reexamination will be conducted and then certificate will be issued.
2. MIET shall forward the list of students who have registered for the training courses prior to the commencement of the training. The list shall include Full Name, Engineering Branch & Year, Email address and telephone numbers.
3. At the end of every course MIET shall forward the list of students with details like Full Name, Engineering Branch & Year, College Name & Location, Email address and telephone numbers and marks obtained. **Accounts shall be settled twice in a year during April and October every year.**
4. Bosch shall prepare the Joint certificate and deliver it to MIET for further processing and delivery with in 20 days from the date of receipt of details.
5. Contents in the certificates will be decided by Bosch in consultation with MIET.
6. MIET shall send monthly report and annual report to Bosch with the following details.
 - Candidate Name
 - Engineering Branch & Year
 - College Name & Location
 - Course code attended
 - Training Fee collected

Abhinav

Abhinav Puneet Gha
VSaran Gagarwal

Abhinav

Abhinav Puneet Gha
VSaran Gagarwal

INDIA NON JUDICIAL

Government of Uttar Pradesh

IN-UP03292607175935V

e-Stamp

Certificate No. : IN-UP03292607175935V
Certificate Issued Date : 02-Sep-2023 09:50 AM
Account Reference : NEWIMPACC (SV) up14778804/ MEERUT SADAR/ UP-MRT
Unique Doc. Reference : SUBIN-UPUP1477880402198200886342V
Purchased by : MEERUT INSTITUTE OF ENGG AND TECHNOLOGY MEERUT
Description of Document : Article 19 Certificate or other Document
Property Description : Not Applicable
Consideration Price (Rs.) : MEERUT INSTITUTE OF ENGG AND TECHNOLOGY MEERUT
First Party : Not Applicable
Second Party : MEERUT INSTITUTE OF ENGG AND TECHNOLOGY MEERUT
Stamp Duty Paid By : 100
Stamp Duty Amount(Rs.) : (One Hundred only)

सत्यमेव जयते



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IN-UP03292607175935V

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MoU") is made on 25th of September, 2023.

BETWEEN

MEERUT INSTITUTE OF ENGINEERING & TECHNOLOGY having their registered office at N. H. 58, Baghpat Road Crossing, Bypass Road, Meerut, Uttar Pradesh 250005, India (hereinafter referred to as "MIET")

AND

Bosch Limited, having their registered office at Hosur Road, Adugodi, Bangalore - 560 030, India and its Zonal office at Bosch Limited, Rishyamook 85 A Panchkuin Road, New Delhi- 110001 (hereinafter referred to as "BOSCH")

MIET and **BOSCH** are individually referred to as "Party" and jointly referred as "Parties".

Director
Meerut Institute of Engineering & Technology

The Parties wish to enter into this Memorandum of Understanding (MoU), which is a renewal of the earlier agreement, for establishing **MIET - BOSCH Joint Certification Program** (hereinafter referred to as "**Joint Training Center**") jointly developed by Bosch along with the MIET in the campus of MIET, Meerut

upon the following understanding:

1. The proposed Joint Training Center will be established by MIET as per the concept to be designed by Bosch. The proposed Joint Certification center will cover Meerut city. It will act as the bridge to address the technological gap and focus on various technical training programs for Bosch dealer network. This Joint Training Center will also enable training to the diploma, degree students and nearby industries personnel's (hereinafter referred to as "Centre").
 2. BOSCH concept is the efficient combination of hardware, teach ware and courseware which is offered by BOSCH as industry oriented training in the field of automotive technology.
 3. MIET with assistance of BOSCH (limited only to the assistance mentioned below) will establish and maintain the training center premises (hereinafter referred to as "Premises") for conducting training courses according to the BOSCH concept.
 4. BOSCH at its discretion shall provide related know how, technology support, supply concept kits for different technologies with non-transferable, limited usage licensed copies of teachware and courseware, train the faculty as "TRAIN THE TRAINER" (TTT) in its training center in Bangalore as necessary, provide training methodologies in line with BOSCH concept, subject to terms and conditions mentioned hereafter.
 5. MIET, in the Premises and with Bosch approved courses, will impart training to the eligible & selected undergraduate, post-graduate, polytechnic, vocational school students to meet industry requirements, bridging the industry academic gap and enhancing the competency levels of students for better employability. MIET will also provide industrial training to nearby industrial personnel, and wherein the successful students will be awarded a joint certificate of BOSCH and MIET (**Refer the Annexure -2**).
- In consideration for Bosch providing training assistance mentioned above, MIET agrees and undertakes to allow Bosch the right to use the Joint Training Center Premises on mutually agreeable basis, to directly impart training for Bosch dealer network, OEMs, OECDs, STUs on cost sharing basis. It being clarified that for Bosch beneficiaries, Bosch will provide its own certificates on Bosch specified format.
6. For efficient running of the Premises and to cover the reoccurring costs, it is recommended to charge nominal fees for the course offered. The fees thus collected shall be shared between Bosch and MIET for their respective efforts as per the terms and conditions contained under **Annexure - 1**.
 7. MIET shall conduct training course(s) for their student and its student beneficiaries and the number of training days should not exceed 15 calendar days in a month.
 8. **In relation to the implementation of the understanding concluded between the Parties above, the Responsibilities with regard to each of the Parties for the implementation of the MoU as mentioned above shall be as follows:**

Director
Meerut Institute of Engineering & Technology

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8.1 By MIET:

MIET will provide the following facilities for the Joint Certification center without any cost attached for the infrastructure (hereinafter referred to as "Premises")

- i) Appoint/Retain the teaching staffs to work in this center.
 - ii) Maintain equipment's provided from Bosch Limited, Bangalore for setting up the training center at MIET, Meerut campus.
- Diesel Test Bench – EPS 610
 - Nozzle Tester
 - 3 – Phase Auto Electrical Test Bench
 - Wheel Balancer
 - Wheel Aligner
 - Tyre Changer
 - AC gas Charger ACS (261)
 - KTS with ESITronics
 - Battery Test Equipment's (BAT 121, Charger & Load Tester)
 - Ultrasonic Cleaning equipment
 - Wall Charts
 - Cut Sections
 - FIE and AE products for Training
 - Special purpose tools
- iii) In case of Equipment breakdown/ maintenance request, MIET shall raise Service request for visit by Bosch on chargeable basis.
 - iv) To maintain independently training classroom of 700 sq. ft. with 20 training chairs, 1 table and chair for trainer, also all the teaching aids like over head projector (OHP), laptops, multi-media system, etc. in Phase 1.
 - v) To maintain independently a ventilated workshop area of about 1345 sq. ft. with epoxy coating for facility separately ear marked for Diesel Test equipments , auto electrical, battery , air conditioning equipment, Wheel balancer, Wheel aligners and car scanning module.
 - vi) MIET shall bear all the costs and expenses of the training courses including printing of books/aids, utilities, catering, uniforms, stationary, electricity (as required for equipment's, example – 3 phase), water.
 - vii) MIET will provide for the insurance coverage of the Premises at its own costs.
 - viii) Conduct at least 16 trainings every year from the recommended 5 training modules.
 - ix) Train a minimum of 200 students / participants every year at the "MIET - BOSCH Joint Certification center" in the MIET campus at Meerut. Bosch shall approve fee reduction in JCC certification based on performance achieved as per performance slab specified in Annexure 3. This shall be monitored on monthly basis.
 - x) Joint certification by Bosch & MIET will be awarded to the students of MIET & such other educational institutions to which MIET has provided training based on the training module enumerated under Annexure 1 and approved by Bosch.


 Director
 Meerut Institute of Engineering & Technology

- x) To pay Bosch all fees applicable for each courses as enumerated under Annexure 1.

8.2 By BOSCH:

- i) Conduct refresher batch of "TRAIN THE TRAINER" course at the Bosch training center, Bangalore or Delhi. Further Refresher training or any other trainings shall be conducted by Bosch on a chargeable basis as enumerated under Annexure 1.
- ii) To provide all the Technical training material/documents in soft copy version for all Bosch Products.
- iii) To provide front board as well as wall charts of BOSCH systems at the premises in case needed.
- iii) To provide web based training modules and training animations at the premises in case needed.
- v) To help the premises for making training documents and presentations in case needed.
- vi) To provide BOSCH training documents on BOSCH systems in case needed.
- vii) To support for training marketing with BOSCH network as and when needed.
- vii) To support for equipment maintenance under AMC (Annual Maintenance Contract) only in case contract purchase by MIET.
- ix) To provide details on commercials including the share in the training fees between MIET & Bosch.

The medium of imparting the training documents will be in English only.

All the above shall, however, be subject to MIET fulfilling all conditions mentioned under clause 8.1.

9. Intellectual Property Rights and Confidentiality

- 9.1 With the prior written approval of Bosch, MIET shall be authorized to use the Training handout/materials provided by Bosch during the term of this MoU. Such use is limited, however, to intimate the training courses to the students and the public in general who apply for the courses and subject to the guidelines and instructions of Bosch and not to be used for any other commercial purpose outside the scope of this MoU.
- 9.2 MIET acknowledges that the right to use the materials (over which Bosch has copyright) herein is for use in relation to the MIET-BOSCH Joint Certification Center in Meerut, India only.
- 9.3 During the term of this MoU, MIET shall, with prior written permission of Bosch, advertise its association with Bosch, for the purpose of advertising and promoting the Centre and the training courses. However, it shall only be in the manner permitted or as prescribed or instructed by Bosch.
- 9.4 MIET shall not, under any circumstances whatsoever, use the teaching materials, tools (provided by Bosch and over which Bosch has proprietary rights) for any other purpose other than what has been detailed under this MoU.
- 9.5 MIET shall not, under any circumstances whatsoever, modify and or alter any material and or impart any training which is in deviation of the courses designed by Bosch. Bosch shall not provide any certification in such a situation. If, however, MIET has breached the conditions of this provision and has not informed Bosch and Bosch being unaware issues certificates, in addition to its right to recall such certificate it shall also have the right to claim against MIET for breach and any kind of claim from a third party due to the exercise of a recall right by Bosch and


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Certificate No. : IN-UP03292607175935V

any kind of claim from a third party due to the exercise of a recall right by Bosch.

- 9.6 Each Party agrees to treat with the utmost confidentiality all documents, information and/or data obtained in the course of the execution of this MoU and deemed confidential by the other Party or which due to the nature of such information should be treated as confidential and shall not disclose same without the prior written confirmation of the Party that disclosed the information unless compelled by a lawful order of a court of law or as a result of binding legislation.

All confidential information submitted by one Party to the other shall remain the property of the Party from which it originates. Each Party shall return to the other all the confidential information received from the other Party and any copies thereof, promptly upon the request of the other Party which disclosed the confidential information, however, one copy may be retained for archival purpose.

No other warranties are made by either party under this MoU and all information exchanged under this MoU is provided "as is". The disclosing Party shall not be in any way responsible for any decisions or commitments made by receiving Party in reliance with the disclosing Party's confidential information.

No patent, copyright or other intellectual property rights are transferred by this MoU, nor is any right or license under any invention or patent granted hereunder.

10. Duration, Amendment and Termination of the MoU

- 10.1 This MoU shall be valid for a period of Five (05) years from the Effective Date. During the period of its validity, the MoU can be amended any time by mutual consent of both the parties in writing. The MoU can also be terminated by mutual consent or by either party giving the other a three months written notice of its desire to terminate the MoU .

- 10.2 Notwithstanding any termination, the MoU shall continue to survive and be effective with regard to all rights and obligations of the Parties which existed prior to the termination of this MoU until such rights and obligations have been fulfilled.

- 10.3 Promptly following the request of Bosch, at any time during the term of this MoU and or earlier termination, MIET will return to Bosch all materials(ie. Training Content, Front Board, Signage etc) provided to MIET in furtherance to the understanding between the Parties. Such exercise shall be undertaken by MIET within 30 days of receipt of such notice from Bosch.

Notwithstanding anything contained above and/or under any of the terms and conditions of this MoU, if the Parties in good faith continue their business understanding enumerated under this MoU even after expiry or early termination of this MoU, then such relationship shall be governed by the terms and conditions of this MoU until a fresh MoU has been executed.

11. Dispute Resolution

- 11.1 Any difference or dispute between the Parties concerning the interpretation and/or implementation and/or application of any of the provisions of this MOU (each a "Dispute") shall be settled amicably through mutual consultation or negotiations between the Parties, without reference to any third party.

However, if the Dispute remains unresolved for 90 working days from the above referral, the same shall be referred to arbitration under the provisions of the Arbitration and Conciliation Act, 1996 by notice in writing by either Party to the other Party ("Arbitration Notice"). The Parties shall jointly appoint a sole arbitrator within 15 (fifteen) working days of the Arbitration Notice failing which

Rajmohan
Director

Certificate No. : IN-UP03292607175935V

either Party shall approach a court of competent jurisdiction for appointment of a sole arbitrator as per the provisions of the Arbitration and Conciliation Act, 1996. The seat of arbitration shall be Bangalore and the language shall be English. The arbitration shall be final and binding on the Parties.

12. Governing Law and Jurisdiction

- 12.1 This MoU shall be governed by the laws of India and the courts of Bangalore shall have exclusive jurisdiction for all disputes under this MoU.

13. Miscellaneous

- 13.1 This MoU supersedes and replaces any and all prior agreements, understandings or arrangements, whether oral or written heretofore made between the Parties and relating to the subject matter hereof, and constitutes the entire understanding of the Parties with respect to the subject matter of this MoU. This MoU may not be modified, changed, altered or amended except by an express written agreement signed by all Parties hereto.

- 13.2 The Parties agree that neither Party shall have any right or entitlement or authority to sub-contract (other than delegation as may be required to training partners of either Party) or assign or transfer any rights or obligations or any part thereof under this MOU to any third party, without the prior written consent of the other Party

- 13.3 MIET hereby shall indemnify and keep indemnified Bosch from and against all claims, demands, actions, suits and proceedings, whatsoever that may be brought or made against Bosch on behalf of any person, body, authority whomsoever and whatsoever and all duties, penalties, levies, taxes, losses, damages, cost, charges and expenses and all other liabilities of whatsoever nature which Bosch may now or thereafter be liable to pay, incur or sustain by virtue of or as a result of the performance or non performance or observance or non-observance by MIET of any of the terms and conditions of this MoU or otherwise.

- 13.4 This MoU shall be executed in two counterparts, each of which shall be deemed as original but all of this together shall constitute one and the same instrument.

In witness whereof the two parties have signed this Memorandum of Understanding by the hand of, on behalf of BOSCH LIMITED and by the hand of, on behalf of MIET college Campus on date, month and year referred to above.

Bosch Limited, Bangalore		Meerut Institute of Engineering & Technology, Meerut.	
Signature 1	<i>Rajmohan</i>	Signature 1	<i>Brijesh</i>
Name	Rajmohan N R	Name	Dr. Brijesh Singh
Designation	Dy. Gen Manager – Technical Service Support	Designation	Director Meerut Institute of Engineering & Technology NH-58, Baghat Road Crossing, Bypass Road, Meerut - 250005 (U.P.)
Place	Bangalore	Place	Meerut
Date	16/10/23	Date	25.09.2023



Certificate No. : IN-UP03292607175935V

Certificate No. : IN-UP03292607175935V

Signature 2		Signature 2	
Name	Samiran Das	Name	Dr. Shailendra Kumar
Designation	Training Manager	Designation	HOD, Mechanical
Place	Bangalore	Place	Meerut
Date		Date	25.09.2023

Witness 1		Witness 1	
Name	Parag Kavthekar	Name	Dr. Suneel Kumar Kalla
Designation	Regional Trainer	Designation	Professor
Place	New Delhi	Place	Meerut
Date		Date	25.09.2023
Witness 2		Witness 2	
Name		Name	Mr. Madhur Kumar Dubey
Designation		Designation	Assistant Professor
Place		Place	Meerut
Date		Date	25.09.2023

Enclosures:

- Annexure -1: Course recommendation, Course fee & Sharing of course fee between MIET and Bosch.
- Annexure -2: Certification procedures

**ANNEXURE-1
 RECOMMENDED COURSE MODULES**

S.No.	Training Module + Certificate	Duration	Recommended Training fee per day in INR + GST as Applicable
01	Auto Electrical Systems (Starter, Alternator and Batteries)	2 days	3000 / Participant
02	Vehicle Diagnostics Basics (OBD) and System Diagnostics	2 days	3000 / Participant
03	Automotive Vehicle Networking – LIN, CAN, FLEXRAY	1 day	1500 / Participant
04	Exhaust Gas Analysis AND TREATMENT – Info BS4, BS6 in PC, CV, OHW etc.	1 day	1500 / Participant
05	Measurement and testing of Sensors and Actuators	2 days	3000 / Participant
06	Electric Vehicle overview	2 day	6000 / Participant
07	Engine Management System for Diesel and Gasoline	2 days	3000 / Participant
08	Vehicle Braking systems - ABS, ESP Vehicle Passenger Safety – Air bags	1 day	1500 / Participant
09	New Generation Diesel systems, Vehicle Fuel circuit	2 day	3000 / Participant
10	Vehicle Air Conditioning	1 day	3000 / participant
TOTAL		16 Days	28500/Participants

Note:

- Training courses are open to all students. All courses are optional to students.
- Training fee for MIET – 80 % of the total fee / Course / Participant.
- There is no minimum guarantee of participants from either side. Both parties have agreed to work for maximizing the participation. Fee sharing is purely based on actual numbers of participants as mutually agreed. Such sharing will occur every month after Training completion.
- Other Bosch Training Modules will be conducted in Bosch Training center facility based on the MIET request and participation confirmation.
- Refresher training shall be charged at INR 1500/day/candidate.

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Certificate No. : IN-UP03292607175935V

Norms for Training Centre Fees-

Nature Of Course	Training Fee(INR)	For MIET students/Joint Certificate Course		Bosch Dealers, Bosch Customers, Bosch Business Partners, Bosch customer dealers, Government & Non-Government set up & Institution	
		Training fee Share for BOSCH	Training fee share for MIET	Training Fee Share for BOSCH	Training fee Share for MIET
Basic Course	Rs 1500/Day/Participant	20%	80%	80%	20%
Advance Course	Rs 3000/Day/Participant	20%	80%	80%	20%

Course Fee to be reviewed jointly once in a year for revision, if any.

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Meerut - 250005 (U.P.)

ANNEXURE -2

CERTIFICATION PROCEDURES

1. Certificates are issued only to those students who scores minimum marks (50%) in the theoretical and practical examination conducted by MIET through the training premises. In case the student/candidate fails, re-examination will be conducted and then certificate will be issued.
2. MIET shall forward the list of students who have registered for the training courses prior to the commencement of the training. The list shall include Full Name, Engineering Branch & Year, Email address and telephone numbers.
3. At the end of every course MIET shall forward the list of students with details like Full Name, Engineering Branch & Year, College Name & Location, Email address and telephone numbers and marks obtained. **Accounts shall be settled every month after Training completion.**
4. Bosch shall prepare the Joint certificate and deliver it to MIET for further processing and delivery with in 20 days from the date of receipt of details.
5. Contents in the certificates will be decided by Bosch in consultation with MIET.
6. MIET shall send monthly report and annual report to Bosch with the following details.
 - Candidate Name
 - Engineering Branch & Year
 - College Name & Location
 - Course code attended
 - Training Fee collected

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Meerut Institute of Engineering & Technology
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1:- THE OBJECTIVE OF THIS PROGRAM IS TO PROVIDE ADVANCED-LEVEL AUTOMOBILE TRAINING TO STUDENTS AND SUCCESSFUL STUDENTS WILL BE AWARDED A JOINT CERTIFICATE OF BOSCH AND MIET.

2:- IT WILL ACT AS THE BRIDGE TO ADDRESS THE TECHNOLOGICAL GAP AND FOCUS ON VARIOUS TECHNICAL TRAINING PROGRAMS FOR THE BOSCH DEALER NETWORK.

3:- THIS JOINT TRAINING PROGRAM WILL ALSO ENABLE TRAINING FOR THE DIPLOMA, DEGREE STUDENTS OF MIET COLLEGE AND NEARBY INDUSTRIES.

4:- MIET, IN THE PREMISES AND WITH BOSCH APPROVED COURSES, WILL IMPACT TRAINING ON THE ELIGIBLE AND SELECTED UNDERGRADUATE, POST-GRADUATE, POLYTECHNIC, VOCATIONAL SCHOOL STUDENTS TO MEET INDUSTRY REQUIREMENTS.

1	High Pressure Fuel Injection System
2	Automotive Electrical System
3	Automotive Electronics and Fault Diagnosis
4	Automotive Heating Ventilation and Air Conditioning System
5	Tire Care: Wheel Alignment and Balancing
6	Engine, Undercarriage and Pollution Control

CO 1	Trainee will be able to understand design of diesel fuel pumps, identify their faults and calibrate them on calibration test bench.
CO 2	Trainee will be able to understand design of various electrical components such as starter, battery and alternator, identify their faults and rectify them on electrical test bench.
CO 3	Trainee will be able to identify different sensors present in a vehicle, their communication with ECM and diagnose faults of ECM through OBD tool and rectify them.
CO 4	Trainee will be able to analyze working of HVAC system of an automobile, diagnose various problems and service the HVAC system using ACS 251 machine.
CO 5	Trainee will be able to evaluate reasons of tire wear and perform balancing and alignment of wheels.
CO 6	Trainee will be able to identify real life problems in automotives and troubleshoot them effectively.



1:- CONDUCTING AUTOMOBILE TRAINING ON AUTOMOTIVE TECHNOLOGY (24 DAYS TRAINING PROGRAMME -START FROM 21/7/18)

2:- CONDUCTING AUTOMOBILE TRAINING ON AUTOMOTIVE TECHNOLOGY (24 DAYS TRAINING PROGRAMME -START FROM 20/7/19)

3:- CONDUCTING AUTOMOBILE TRAINING ON AUTOMOTIVE TECHNOLOGY (24 DAYS TRAINING PROGRAMME -START FROM 18/7/20)

4:- CONDUCTING AUTOMOBILE TRAINING ON AUTOMOTIVE TECHNOLOGY (24 DAYS TRAINING PROGRAMME -START FROM 18/9/21)

5:- CONDUCTING AUTOMOBILE TRAINING ON AUTOMOTIVE TECHNOLOGY (24 DAYS TRAINING PROGRAMME -START FROM 27/8/22)

6:- 2023, TRAININGS TO MIET STUDENTS ADDED HYBRID VEHICLE TECHNOLOGY DEMONSTRATOR FROM TOYOTA).

7:-2024, IN ADDITION TO MIET STUDENTS TRAINING TO OUTSIDERS UNDER SKILL INDIA/PMKVY.

8:-2025, TRAINING ON BOTH CONVENTIONAL AND ELECTRIC VEHICLE.

miet LIST OF TEAM MEMBERS



FACULTY INCHARGE	Mr. Shallender Singh Bhati shallender.bhati@miet.ac.in
LAB TECHNICIAN	Mr. Sahansar Pal sahansar.pal@miet.ac.in
LAB AREA (m ²)	186.71 sqm

Summer Training on Automobile Domain

S. NO.	TRAINING NAME	DATE OF CONDUCT
1	Specialized Automobile training on automotive technology (24 days training programme)	21-07-2018
2	Specialized Automobile training on automotive technology (24 days training programme)	20-07-2019
3	Specialized Automobile training on automotive technology (24 days training programme)	18-07-2020
4	Specialized Automobile training on automotive technology (24 days training programme)	18-09-2021
5	Specialized Automobile training on automotive technology (24 days training programme)	27-08-2022

SUMMER TRAINING PROGRAM POSTER



SUMMER TRAINING PROGRAM



BOSCH

Invented for life

SPECIALIZED AUTOMOBILE TRAINING

On Automotive Technology

24 Days Training Programme (Starts 5th June)

Open to all Mechanical Engineering Students

For fee and other details : 9808760230

Meerut Institute of Engineering & Technology (Estd. 1997)

Meerut Institute of Technology (Estd. 2007)

MIET Kumaon Engineering College (Estd. 2011)



www.miet.ac.in



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[/MIETMeerut](#)



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SUMMER TRAINING PROGRAM POSTER



SUMMER TRAINING PROGRAM

BOSCH SPECIALIZED AUTOMOBILE TRAINING

On Automotive Technology

24 Days Training Programme (Starts 5th June)

Open to all Mechanical Engineering Students

For fee and other details : **9808760230**

Meerut Institute of Engineering & Technology (Estd. 1997)

Meerut Institute of Technology (Estd. 2007)

MIET Kumaon Engineering College (Estd. 2011)



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[/MIETMeerut](https://www.instagram.com/MIETMeerut)



[/MIETGroup](https://twitter.com/MIETGroup)

S. NO.	TRAINING NAME	MODE	VENUE	DATE OF CONDUCT	NO OF STUDENTS
1	Specialized Automobile training on automotive technology (24 days training programme)	Offline	MIET	21-07-2018	20
2	Specialized Automobile training on automotive technology (24 days training programme)	Offline	MIET	20-07-2019	20
3	Specialized Automobile training on automotive technology (24 days training programme)	Offline	MIET	18-07-2020	20
4	Specialized Automobile training on automotive technology (24 days training programme)	Offline	MIET	18-09-2021	20
5	Specialized Automobile training on automotive technology (24 days training programme)	Offline	MIET	27-08-2022	20

CERTIFICATE OF TRAINING

This is to certify that RUDRA KUMAR GUPTA of Mechanical engineering pursuing B.TECH-3RD YEAR has completed the AUTOMOBILE DOMAIN training program held at the institute campus in academic session 2018-2019.



ANKUR VERMA

SPOC



Dr.SANJEEV SHUKLA

HOD

This is to certify that ABHISHEK GOEL of Mechanical engineering pursuing B.TECH-3RD YEAR has completed the AUTOMOBILE DOMAIN training program held at the institute campus in academic session 2019-2020.

**KAMAL SINGH RAWAT****SPOC****Mr.PIYUSH GUPTA****HOD**



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DEPARTMENT OF MECHANICAL ENGINEERING

BOSCH LAB

CERTIFICATE OF TRAINING

This is to certify that AAYUSH CHAUHAN of Mechanical engineering pursuing B.TECH-3RD YEAR has completed the AUTOMOBILE DOMAIN training program held at the institute campus in academic session 2020-2021.

Md.MUSTAFA SAIFY

SPOC

Dr.TUSHAR JAIN

HOD

 **MEERUT INSTITUTE OF ENGINEERING & TECHNOLOGY****DEPARTMENT OF MECHANICAL ENGINEERING****BOSCH LAB****CERTIFICATE OF TRAINING**

This is to certify that **AAKASH GOEL** of Mechanical engineering pursuing **B.TECH-3RD YEAR** has completed the **AUTOMOBILE DOMAIN** training program held at the institute campus in academic session 2021-2022.

**Md.MUSTAFA SAIFY****SPOC****Dr.SIDHARTH JAIN****HOD**

 **MEERUT INSTITUTE OF ENGINEERING & TECHNOLOGY****DEPARTMENT OF MECHANICAL ENGINEERING****BOSCH LAB****CERTIFICATE OF TRAINING**

This is to certify that ABHINAV GUPTA of Mechanical engineering pursuing B.TECH-3RD YEAR has completed the AUTOMOBILE DOMAIN training program held at the institute campus in academic session 2022-2023.

**Md.MUSTAFA SAIFY****SPOC****Dr.SHAIENDRA KR. TYAGI****HOD**

1:-Battery Charger BML2415

2:-Battery Tester-BAT131

3:-Battery Load Tester-BLT301

**4:-Auto Electrical Test bench 3
Phase-AETB03**

**5:-Tool and Accessories for Auto
Electrical Service**

6:-ECU Scanner KTS 570

**7:-Air Conditioning Service
Equipment ACS261**

8:-Tyre Changer TCE4200

9:-Wheel Balancer WBE4200

10:-3D Wheel Aligner

11:-Nozzle Tester

12:-Injector Assembly

13:-Starter 12V

14:-Starter 24V

**15:-Fuel Injection Pump Test bench-
EPS610**

16:-Test Injector

17:-Inline Pump-4 cylinder with MPC

18:-VE type Distributor pump

19:-ES200 ECU Scanner

20:-Two post Lift 4.0 Ton

REVENUE GENERATED



S. no.	Session	Amount Deposited
1.	2016-17	Rs. 4, 30, 000/-
2.	2017-18	Rs. 1, 00, 000/-

1-Best Build kart- Eco Kart 2018

2- Safest Kart- Eco Kart 2018

3- Third Runner up- Eco Kart 2018

4- Podium Finisher- Eco Kart 2019

5- Winner - Eco Kart 2019

- 1- Best Build kart winner in Eco Kart 2018 (Rs- 10000)**
- 2- Safest Kart winner in Eco Kart 2018 (Rs- 10000)**
- 3- Third Runner up winner in Eco Kart 2018 (Rs- 20000)**
- 4- Podium Finisher winner in Eco Kart 2019 (Rs- 15000)**
- 5- First Position Winner in Eco Kart 2019 (Rs 75000)**

ECO KART AND REWARD IMAGES

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GROUP OF INSTITUTIONS

Meerut Institute of **Engineering** & Technology

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A NEW CONCEPT IN KARTING



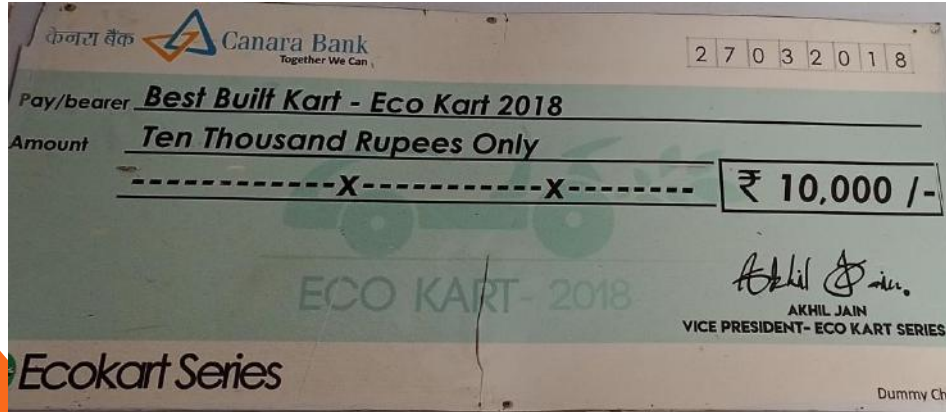
ECO KART AND REWARD IMAGES



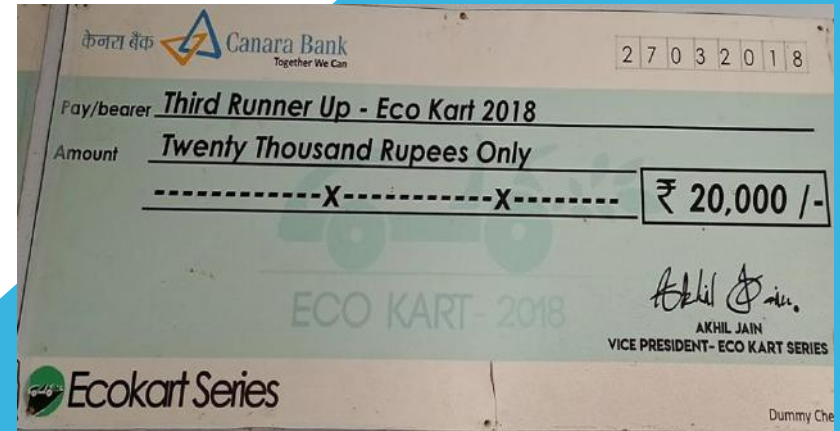
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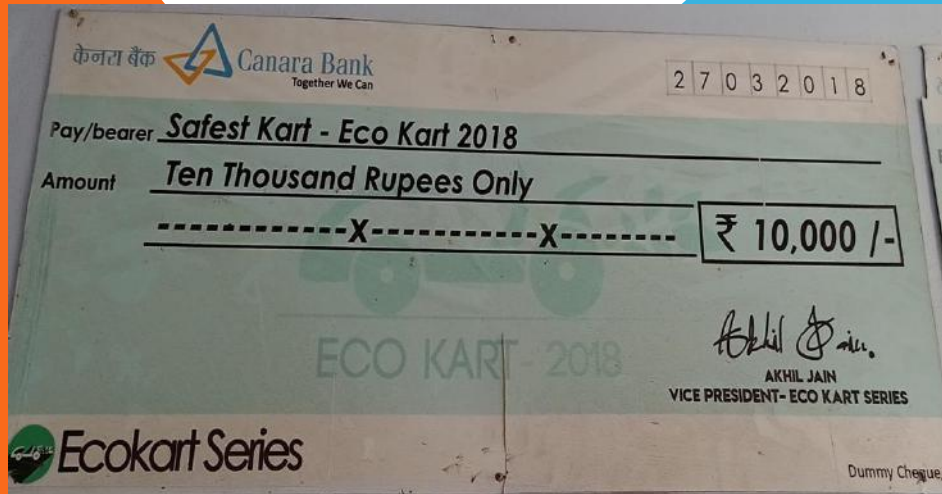
miet ECO KART AND REWARD IMAGES BEST BUILD KART- ECO KART 2018



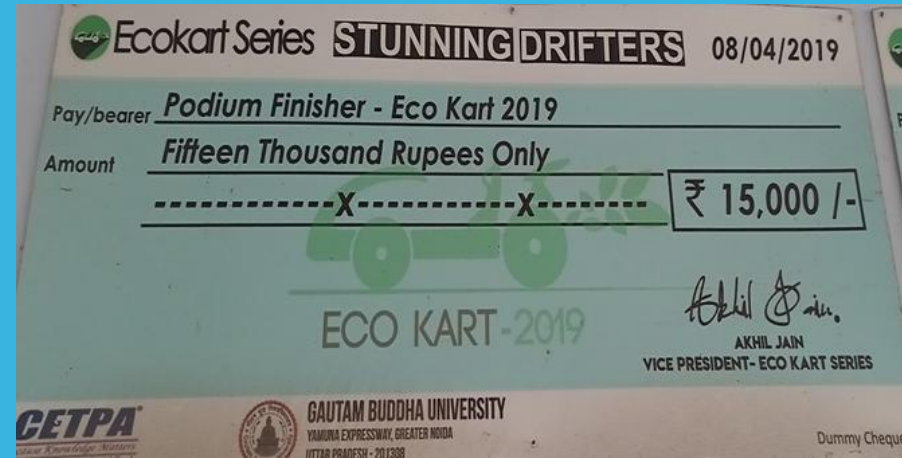
ECO KART AND REWARD IMAGES Safest Kart- Eco Kart 2018



ECO KART AND REWARD IMAGES Safest Kart- Eco Kart 2018



ECO KART AND REWARD IMAGES Podium Finisher- Eco Kart 2019



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WINNER - ECO KART 2019



9



Ecokart Series

STUNNING DRIFTERS

08/04/2019

Pay/bearer Winner- Eco Kart 2019

Amount Seventy Thousand Rupees Only

-----X-----X-----

₹ 75,000 /-

ECO KART-2019

Ankit Kumar
ANKIT KUMAR
PRESIDENT- ECO KART SERIES



GAUTAM BUDDHA UNIVERSITY
YAMUNA EXPRESSWAY, GREATER NOIDA
UTTAR PRADESH - 201309

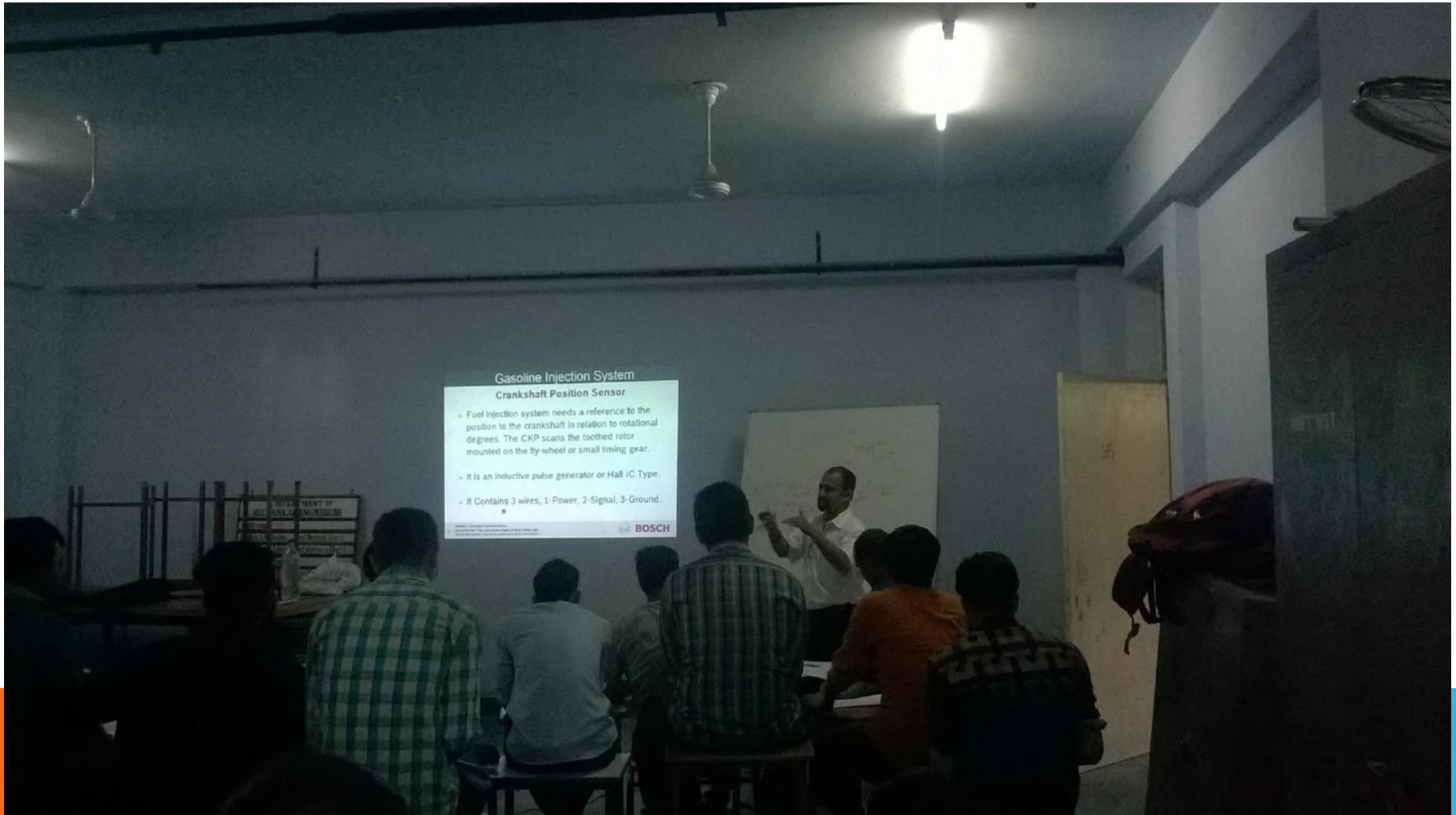
Dummy Cheque











Gasoline Injection System
Crankshaft Position Sensor

- Fuel injection system needs a reference to the position to the crankshaft in relation to rotational degrees. The CKP scans the toothed rotor mounted on the fly-wheel or small timing gear.
- It is an inductive pulse generator or Hall IC Type.
- It Contains 3 wires, 1-Power, 2-Signal, 3-Ground.

© Bosch Powertrain India Pvt. Ltd. 2015







AIR COMPRESSOR



AIR-CONDITIONING R32
FILLING MACHINE

WHEEL BALANCER



BATTERY LOAD TESTER



BATTERY CHARGER



WORKBANCH



AUTO ELECTRICAL TEST BENCH



TYRE CHANGER



NOZZLE CLEANER



NOZZLE TESTER



WORKBANCH



VEHICLE A.C. SYSTEM



SELF STARTER CUT MODEL



WHEEL ALIGNMENT MACHINE



ALTERNATOR CUT MODEL & AC COMPRESSOR



LIFT - 1



LIFT - 2



DIESEL FUEL PUMP CALIBRATION MACHINE

THANK
YOU