

**NED UNIVERSITY OF ENGINEERING & TECHNOLOGY**  
**DEPARTMENT OF AUTOMOTIVE ENGINEERING**

*Offers*

**Professional Short course**

*On*

**“AUTOMOTIVE SERVICE ENGINEER”**

**About the Professional Short Course:**

This professional course is intended to help those who want to start their career in Automotive Service Industry as a Service Engineer, Floor In-charge, Manager Works and Warranty Controller. This course contains Theory Classes, Practical Activities, Practical Tasks and Test/Exam Evaluations i.e., Practical Exams, Multiple Choice Questions and Written Exam.

**Learning Outcomes:**

After completing this professional course, participant will be able to:

1. Understand practical knowledge in conjunction with theory of automotive electrics, Electronics, and Mechatronics.
2. Understand Engine Systems, Basics of Transmission, Suspensions, Steering and Brakes systems.
3. Diagnose, Guide technicians, Prepare diagnostic and warranty reports and effectively handle the Service floor as a team leader in Automotive service Industry.

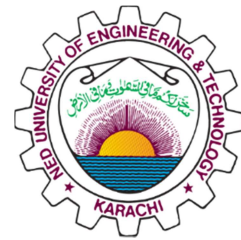
**Course Contents:**

1. Automotive Electrics and Electronics: Intelligent Lighting System, Computer Controlled Lighting System
2. Automotive Engine Management: Engine Control System, EFI, OBD, Modern Engine Management System, EMS Sensors
3. Engine Mechanical Diagnosis: Drive Belt, Pulleys, Drive, Engine Rattle Noises, Effective Diagnosis reports for Warranty, Practical Activities
4. Engine Thermal Management: Cooling System, Diagnosis
5. Automatic Transmission: Hydraulics System, Automatic Transmission, NVH, Automatic Transmission Electronics and Diagnostic Steps
6. Automotive Suspensions & Steering Basics: Manual, Hydraulic, Electro-Hydraulic
7. Automotive Brakes, Wheel and Tires
8. Service and Maintenance
9. Warranty and Dealership Core Procedures
10. Practical activities of all above

**For Further Details, Please Contact**

**Dr. Faraz Akbar,**

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Pakistan. E-mail: [faraz.akbar@neduet.edu.pk](mailto:faraz.akbar@neduet.edu.pk)



**Date:** Starting from Monday 26-08-2019

**Duration:** Four (04) Weeks

**Timings:** 09:00 to 13:00 Hours  
(Monday to Friday)

**Venue:** Combustion & Emission Lab and Computer Lab in the Automotive Engineering Department at NEDUET.

**Fee:**

For Student: Rs. 4,000/- per Participant

For Industry: Rs. 7,000/- per Participant

**Avail:** Certification, access to University resources, networking opportunity, and course-ware group photo.

**Pre-Requirement:** Minimum 1<sup>st</sup> year students of BE Automotive Engineering or DAE in Automotive.

**Trainers:**

Automotive Specialists:

1. **Mr. Muhammad Shiraz Malik**  
Technical Trainer, Automotive Service Business Consultant, Business Entrepreneur
2. **Mr. Asif Iqbal**  
Technical Trainer, Automotive Service Business Consultant, Business Entrepreneur

**Register Now:**

**Registration Deadline:** 23-08-2019

**Focal person:** Mr. Syed Ali Ahmed (AWS)

**Phone:** 0092-21-99261261 (Exts.: 2239 & 2351), **E-mail:** [saliahmed@neduet.edu.pk](mailto:saliahmed@neduet.edu.pk)