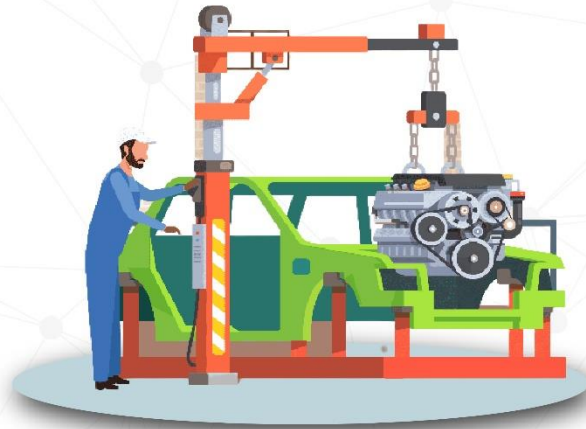




## VOCATIONAL TRAINING **AUTOMOBILE ENGINEERING**



**Course Duration: 3 months**

Class starts from **Chaitra 1st, 2077**

## Course Description

This is to inform the trainee that most of the teaching session includes skillset training related to automobile engineering. The purpose of the training is to provide knowledge on automobile maintenance mainly by practical means. This is a three-month program which will cover general knowledge rather than intensive. The program will be conducted on a regular basis for three months providing theoretical and practical knowledge using all the resources of this organization.

**Course Participants:** Open

**Course Duration:** Three months

- Theory : 78 hours
- Practical : 624 hours

**Class Time (Sunday – Friday)**

- **Theory Classes** : 9:00 AM - 10:00 AM
- **Practical Hands on Training** : 10: 00 AM – 6:00 PM

## Course Instructors

- **Non-technical section** will be covered by the administration staff.
- **Technical section (theoretical portion)** will be covered by the engineer lead of the organization
- **Practical section** will be covered by the mechanical lead of the organization.

## Remuneration

Participants will be paid NRs. 5000 per month for food and transport.

## A. Non- Technical Section

### A.1. Industrial hygiene & management

- Scrap spare parts management
- Tools & equipment management
- Floor (working) sanitation
- Waste lubricant management

### A.2. Industrial safety measure

- Personal costume
- Tools & equipment handling
- Vehicle driving safety

### A.3. Personnel management & development

- Health
- Personal hygiene
- Personal costume
- Body Posture/ language
- Punctuality
- Obedience
- Working/pressure/tolerance
- Discipline

### A.4. Vehicle driving practice

- General information of operation of automobile
- Selection of gear
- Control of vehicle / automobile
- Application of handbrake
- Uphill driving
- Driving inside premises
- Driving on road

### A.5. Team work

- Coordination
- Obedience
- Working pressure tolerance
- Team organization
- Communication
- Delegation
- Efficiency
- Ideas
- Support
- Common purpose, goal & identity
- Respect & tolerance for the differences in every team member

## B. Technical Section

### B.1. Theoretical

- Tools & equipment & their uses
- Introduction to automobile
- CI & SI engine
- Brake system
- Suspension
- Body electrical
- Cooling & lubricating system
- Fuel system
- Steering system
- Transmission system
- Automotive electrics
- Automotive software
- Denting work
- Painting work
- Washing
- Engine management system
- Transmission management system

### B.2. Practical Section

- Bench work
- Battery services
- Servicing spark plug
- Servicing fuel pump & filter
- Engine overhauling
- Gearbox overhauling
- Throttle overhauling
- Bleed fuel system
- Check / repair electrical system
- Change engine oil & oil filter
- Change fuel filter
- Change air filter
- Check / change coolant level
- Graces with greases gun
- Lubricate with oil can
- Greece hub
- Adjust brake
- Adjust clutch
- Adjust wheel alignment
- Adjust fan belt
- Tighten underbody nuts & bolts
- Check gear oil
- Check & change differential oil
- Scanner diagnosis
- Add / change steering oil
- Adjust wheel hub lay
- Check / change all light equipped
- Tire pressure adjustment
- All brake checkup & disc pad /shoe change
- Hand brake adjustment
- Wash vehicle
- Denting work
- AC gas refilling
- Painting work
- General checkup