

ACG Cares Foundation, Mumbai

Two wheeler & Electric Vehicle Technician raining program

Objective of Training Program:

To enhance and provide necessary skill inputs for making employable, life skills and forward and backward linkages for the trained youth for sustainability of the efforts and better quality of life.

Target Group:

Target group was selected as per the villages selected by the ACG Cares Foundation:

- Full-time or part time job holder
- Unemployed youth
- Housewives
- Literate and illiterates
- Community mobilizes and leaders in the villages

Beneficiary identification process:

Beneficiaries was selected on the basis of following parameters:

- Youth groups from the villages
- Age group
- SHGs operational in the villages, if any and their activities
- Educational background
- Drop outs from the schools/colleges
- Existing status (working, on working, undergoing education, self-employed, etc.)
- Existing skills, if any
- Family income
- Farmers club

Technical Trainers:

- Mr. Ganesh Khamgal,MSW
- Mr. Sunil Shete,B.Sc.(Animal Husbandry),MBA(Marketing)
- Mr.Hemant Mayekar
- Mr.Ujwal Tawade,M.Sc.(Nuclear Chemistry),MMS(Marketing Mgt)

Syllabus of the training program:

- Brief history of an Automobile industries
- Equipment Introduction to the accessories of the two wheeler auto vehicle
- Type of two wheelers Systems to the two wheelers, ignition, carburetion etc
- Introduction to frame, major assemblies, sub-Assemblies and their Function.
- Uses and maintenance of Hand tools
- Requirements and uses of different accessories
- Classification of two Wheelers Theory on the various systems.
- Introduction and function of various main parts of two wheelers.
- General faults, diagnosis and remedial measures for two and four stroke engines
- Theory of two and four stroke engines
- Repair and maintenance of two strokes engine
- Removing of cylinder head, piston connecting rod, cleaning decarbonizing and head checking
- Piston and ring clearance setting Repair and maintenance of four stroke engines
- Electronic ignition repair and maintenance
- General faults, Diagnosis and Remedial measures for lighting system.
- Suspension system. Repair and maintenance
- Front and rear suspension, axles, steering, bearing and Suspension system, their classification and requirements
- Removing of cylinder head, piston connecting rod cleaning decarbonizing and head checking
- Piston and ring clearance setting. Valve clearing, checking and reconditioning
- Diagnosing noises and faults in engines and Rectification. Performance test.
- Silencers in general. Lighting and ignition system.
- Trouble shooting in suspension, steering and bearing.
- General faults, diagnosis and remedial measures
- Braking efficiency and testing. Carburetion
- General faults, diagnosis and remedial measures
- Tuning and setting of carburetor
- Wheels and tyres, their general faults, diagnosis and remedial measures
- Repair and maintenance of clutch and clutch settings
- Oil pump repair and maintenance
- General theory on carburetion. Theory on wheels and tyres
- Transmission system. General faults, diagnosis and remedial measures for different models of two wheelers
- Repair and maintenance of transmission system. Gear Box, General faults, diagnosis, Testing and general settings
- Fuel and air supply system, maintenance repair and general faults
- General servicing and Road testing
- Typical service station equipment for routine servicing.
- Local Industry Tour
- Theory of fuel/air system. Preventive maintenance of vehicle

Expected outcome:

Outcome of training is expected as follows:

- Wage employment
- Self-employment
- Skill up gradation
- Multiskill development
- To provide skill manpower to local industries.

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