

## CAREER PATHWAY

# MECHANIC MACHINE TOOL MAINTENANCE



### SKILLS TAUGHT IN ITI

- Operate conventional machines
- Dismantle, assemble & install machinery and Equipments and test for accuracy
- Plan and carry out maintenance in machinery & Equipments
- Write programmes and test on simulation software
- Overhauling of pumps, compressors, fans, blowers, and hydraulic & pneumatic equipments
- Use Programmable Logic Controller (PLC) to build an interface with other devices
- Good communication skills

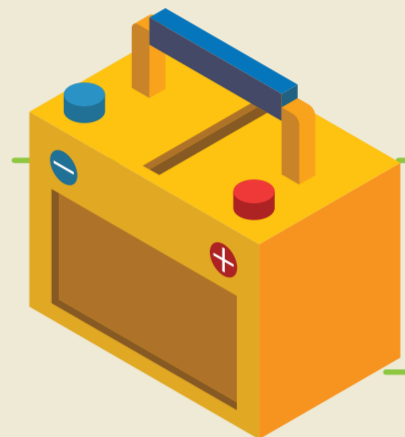
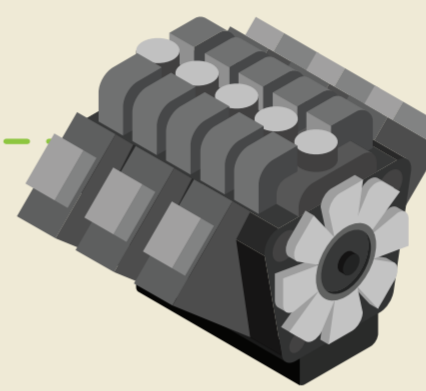
### SKILLS NEEDED BY COMPANY

- Proficiency in safety regulations and best practices at the workplace
- In-depth knowledge in fault finding & analysis
- Know-how about maintenance of equipment and machinery
- Troubleshoot and find solutions to operating errors in machines
- Know-how on installation, erection, foundation, and geometrical testing of Equipments & machinery



### UPSKILLING OPPORTUNITIES

- Apprenticeship (National apprenticeship certificate)
- Craft Instructor Training Scheme (CITS) to become an instructor in ITSs
- Diploma course in notified branches of engineering by lateral entry (Full time/Part time)
- Advanced Diploma (Vocational) courses under Directorate General of Training (DGT) as applicable
- Special short-term courses conducted by NSTI



### JOB OPPORTUNITIES AFTER ITI

- Workshop assistant in government ITIs and Engineering institutions
- State & Central government organizations like railways, Neyveli Lignite Corporation (NLC), Heavy Vehicles Factory (HVF), Bharat Heavy Electricals Limited (BHEL), Defense Research and Development Organization (DRDO), Indian Space Research Organization (ISRO), ONGC, and atomic power stations etc.
- Automobile sector based jobs in Renault, Nissan, Ford, and Hyundai
- Micro, small and medium scale Industries

### CAREER PATHS FOR THIS TRADE

#### ENTRY LEVEL

Trainee, Semi-skilled Technician, Apprentice

#### MID LEVEL

Skilled Technician (Grade I, II, III), Millwright Foreman, Supervisor

#### SENIOR LEVEL

Junior Maintenance Manager, Maintenance Manager, Self-employment, Entrepreneur