



Tractor Learning Center, Muktainagar, Dist.: Jalgaon (MH)



Online Training On Repair, Maintenance & Application of Tractor

We are happy to announce Summer Training Program for Agricultural , Mechanical & Automobile Engineering Students. Duration of this summer training will be one month. Training will be offered in the Tractors, Implements, Farm mechanization and Testing of Tractors and product development.

**Batch Start from first week of
June, July & August-2021**

Confirm your
Registration Before
Start The Month

Fees-
2000 Rs. Only

Content to be covered

- 1. System of Tractor**
- 2. System of I.C. Engine**
- 3. Service & Maintenance of Tractor**
- 4. Tractor Application**
- 5. Tractor Testing**
- 6. New tractor Technology used in Tractor**

Mail us: tlcmuktainagar2021@gmail.com & contact@tractorlearningcenter.co.in

Contact no: +91-7620347217, 9921752713 & 8806605116

Website: www.tractorlearningcenter.co.in



Tractor Learning Center

(Reg. No – MH-14-0012418)

Online - One Month Summer Training For
B.E./B.Tech (Agricultural, Mechanical & Automobile
Engineering) Students

At. Post Muktainagar Dist.:- Jalgaon,
Maharashtra Pin:- 425306

Batch Start from first week of June, July & August



• Greetings from Tractor Learning Center

- ❖ We are happy to announce Summer Training Program for Agricultural Mechanical & Automobile Engineering Students. Duration of this summer training will be one month. Training will be offered in the Tractors, Implements, Farm mechanization- Design and Testing of Tractors and product development.

• Who We Are?

- ❖ We are you. We belong to the same field as you are in with a different starting point.

Vision: - Having graduated from agricultural engineering. We got hired in a relevant field with lot of excitement and career aspirations. But soon we realized that the theoretical knowledge that we gain from classroom is not entirely helpful in our new dream job roles which we aspire to turn into successful career options. There was gap we felt and we felt the heat initially. And we decided to give rich experience which we gained from different top companies for the past 5 years to benefit all of you.

Our vision is to help people gain the required knowledge and skill set to excel in first job relevant to the Tractor and agricultural machinery.

• The objective of this Training

- ❖ To give excellent Industry exposure to the Growing Agricultural & Mechanical Engineers.
- ❖ Make them industry and Job ready (Help them in their future placements).
- ❖ Academic fulfillment as per recommendation by Universities.
- ❖ Providing the Interview Oriented Practical Knowledge.

• Framework of Training

- ❖ The training will consist Classroom training (Basic and Advance Level) and followed by Practical session With the Participation of Students.(Dismantling And Assembling of Engine is Done By Students by Their Own Hands On Training)
- ❖ All the Specialized tools are operated by Students by Hands on Training.
- ❖ Real time Market Analysis discussion with Students.
- ❖ Students are taught by Guest Lecture Working in the Field of Agricultural as well as automobile Industry.
- ❖ We will provide free registration of Tractor Learning Center app to our trainees **free of cost**.

• Duration: 1 Month

• Process of registration and selection

- ❖ Colleges, Institution, universities will have to send the list of Students to Tractor Learning Center via Mail, Post, or other Methods of Contacts.
- ❖ Students can also send Registration application form on their Own Responsibility to The Address of Tractor Learning Center via Mail, Whatsapp, and Hard Copy via post.
- ❖ Tractor Learning Center will select the candidates and Send Confirmation Via Suitable Links for the training program
- ❖ The Students Have To Carry the Following Documents
 1. Id Proof: - Adhar Card/Pan Card/Voter ID card Etc.
 2. Educational Qualification Documents:- 10th, 12th Or Grade card
 3. Two Passport Size Photograph.
- ❖ On selection, students will have to make payment of **Rs 2000/-** for 1 Month training inclusive of training only.

• Benefit to the students

- ❖ Best Practical Classroom with highly specialized equipment's equipped with digital Classroom.
- ❖ Highly Qualified and Experienced Staff from the Field of Agricultural & automobile industry.
- ❖ The Teaching Ratio Includes 90% of practical Session and 10% of theory Session.
- ❖ Training includes Self Reliant Training Program of Students

• Why to choose Tractor Learning Center?

- ❖ We have excellent farm mechanization industry Experienced training Staff. We have the best linkage with all major brands of Tractor and Implement Industry. We work with private Agriculture Skill Development Organizations across country. We enjoy our relationship with all major agriculture universities and contribute on agriculture skill development initiatives, finally we have to mention about the Team and Trainers who work hard to make all our initiatives result oriented.
- ❖ We look forward for your participation for Summer Training program.

For Registration send email at – tlcmuktainagar2021@gmail.com OR contact@tractorlearningcenter.co.in

Website: www.tractorlearningcenter.co.in

Contact no: +91-7620347217, 9921752713 & 8806605116

Address for Correspondence:- Smt, G.G.khadse Arts & Science College Campus, Bhusaval Road, Muktainagar

Dist.-Jalgaon Pin-425306 (MH)

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Students are advised to Registered for Training Program As soon As Possible.

Do not miss your chance.

Training Agenda

Training Module: Repair, Maintenance & Application of Tractor			
Subject	Topics	Class ...Hrs	Practical ... Hrs
Welcome, Introduction & Objective of training, Training content, Do & Don'ts during training, Tools & Its Usage	Familiarization with general tools, Special tools & measuring tools like Scale, Inch Tape, Vernier calliper, micrometre, dial gauge, Torque Wrench etc. and their usage		
Engine Aggregate	Engine working principle, Torque, Power, Unit of power, Four-stroke Diesel cycle, Bore, stroke, Cubic Capacity, Specific fuel Consumption, Back-up Torque etc. Sequential dismantling , Identification of parts, Re-assembling, all Critical settings, Usage of special tools & trouble shooting		
Transmission Aggregate	Working principle of clutch transmission & Brakes, Types of gears, type of transmission, power flow, Sequential dismantling, Identification of parts. Re-assembling, all Critical settings, Usage of Special Tools, & Trouble shooting		
Hydraulic Aggregate	Working principle of hydraulic, Pascal's Law, Circuit Reading in neutral, Lift & Lower conditions, Sequential Dismantling, Identification of parts, Re-assembling, all Critical settings, Usage of Special Tools, Leakage Testing & Trouble shooting		
Front Axle & Steering Aggregate	Working principle of Steering, steering Geometry, Sequential dismantling of Steering Linkages, steering Gear Box, front Axle Hubs, pivot pin, Identification of parts, Re-assembling, Critical settings, Awareness building on power steering, Usage of Special Tools & Trouble shooting		
Tractor Electrical	Basic Electrical Principle, Ohm's Law, Familiarization with Alternator Starter Motor, Flasher, Relay, Horn, wiring Harness Battery etc. Usage of multi-meter & Hydrometer, Circuit Reading & Trouble shooting		4 Weeks
Tractor operation	Understand Role of a Tractor Operator, Learn Basic reading capabilities to enable reading of signs, notices and/or cautions at site and Follow Rules for Tractor driving		
Regular & Periodical Maintenance	Familiarization with greasing points, Checking coolant level in radiator, checking oil level of Engine, Transmission etc. Changing Fuse, Checking fan belt Tension, Air Cleaner Servicing, Changing Fuel filters & Removing air lock from fuel system etc. Brake & Clutch Pedal free play setting etc. and General Maintenance of Implements		
Tractor Application	Familiarization with Primary & Secondary Tillage Implements, Rotary Implements, sowing implements, Irrigation, plant protection equipment's, pre-harvesting & post- harvesting Implements, usage of Tractor in stationary, Commercial & Industrial Applications. Hitching & Unhitching of Implements, Implements Setting & setting in Draft, Position, mixed control and Tractor driving with different implements		
Tractor Testing	What is testing, Objectives of testing, Types of Test as well as its difference, product test cycle, PTO Performance, Drawbar Performance, Hydraulic Performance, Braking Performance, Location of Center of Gravity, Turning Ability ,Safety tests, Noise Level, Mechanical Vibration, Smoke Level, Operator's Field of Vision, Air cleaner oil pull over, Field And Haulage Test.		
Behavioural Training	Soft Skill training on verbal Communication, reporting, positive mind set and general etiquettes		
Total			4 Weeks

Our Tractor Learning Centre Team



Mr. Rameshwar Hissal
(B.Tech (Agril. Engg))
Technical Trainer
Tractor Learning Center
Muktainagr, Dist: Jalgaon (MH)



Mr. Harshal Patil
(Diesel Mechanics ITI)
Service Technician
Tractor Learning Center
Muktainagr, Dist: Jalgaon (MH)

Mr. Kiran Patil
Service Technician
Tractor Learning Center
Muktainagr, Dist: Jalgaon (MH)

Guest Lecturer from Tractor Industry



Mr. Sanit Kumar
Diploma (Mechanical Engg)
Technical Training Head
Service & Training Department)
ACE Tractors, Faridabad (HR)



Mr. Sachin Patil
B.Tech (Agril. Engg)
Assistant Manager
(Product testing Department)
Escorts Limited, Faridabad (HR)



Mr. Amit Jadhaw
M.Tech (Farm machinery & Power)
Homologation Manager
(Product testing Department)
Cooper Tractors, Satara (MH)



Mr. Manish Harode
M.Tech (Mechanical Engg)
Project Manager
(Product Testing Department)
Escorts Limited, Faridabad (HR)



Mr. Amol Pathak
B.Tech (Mechanical Engg)
Service Manager
(Service & Training Department)
Swaraj Tractors, (MH)



Mr. Shrikant More
B.Tech (Mechanical Engg)
Service Manager
(Service & Training Department)
Mahindra & Mahindra Tractors,
Nagpur (MH)

Tractor Learning Centre App

We will provide app for students for learning about tractor on free subscription whoever joined our training centre. If someone wants to subscription of app now then they need to pay 99/- Rs. But we will provide it free for our students.

