

❖ **About P3 AG Solutions: -**

This is the private registered Farmers Producer Company. It offers both online & offline training to agriculture students as well as farmers. This is farmers-based company which activate in Training, Trading, Grading and processing of agriculture commodity.

❖ **Moto of Our Company: -**

We have experienced that somewhere the farmers are lacking technical education in agriculture, so he is getting into trouble. About there are thousand students graduate every year with technical education in agriculture. But their education is not used to the farmers in agriculture. As a result, the gap between farmers and current technical agriculture is widening. We have set up this company to bridge this gap. We provide the technical education to the farmers and encourage them to do various experiments in agriculture. We are trying to give complete solutions to farmers from tillage method to selling their agriculture commodity.

❖ **Hand Holding**

PThree AG Solutions Farmer producer company and Agritech Knowledge Training Institute are working together in which Agritech Knowledge Training Institute providing technical support for training. Special lectures from tractor industry experts.

❖ **What you get in our course:**

ENGINE

Working principles of engine, study of various systems of engines. Air intake and exhaust, fuel supply, lubrication cooling and governing. Dismantling of engine and detailed study of various components, measurement of clearances & tolerances reconditioning and adjustment of components. Timing gear setting, tappet clearance setting, fuel timing adjustments, dismantling and assembling of fuel injection pump. Inspection of engine head, head gasket and valve seat; valve lapping, Inspection and preparation of engine packing, tightening of bolts and nuts with specified torque.

POWER TRANSMISSION

Introduction of transmission, Types of gears and type of transmission, power flow in transmission, Clutch of tractor, trouble shooting of clutch, Details of Gearbox and their Trouble shooting, details of differential and final drive. Differential lock and their uses.

STEERING AND BRAKE

Working principle of Steering, steering geometry, steering gear box, front axle hubs, pivot pin, identification of parts and awareness building on power steering, Usage of special tools & trouble shooting.

HYDRAULIC SYSTEM

Hydraulic system, working principle of hydraulic system, components, draft and position control system, flow diagram of Eicher hydraulic system, Working of PC and DC lever, details of three-point linkage, adjustment of various valves, and troubleshooting etc.

ELECTRICAL SYSTEM

Basic of Electrical system, flow of electricity in tractor, battery and parts of battery, alternator working principle, working of starter, Instrument cluster, wiring circuit of different tractors, location of faults and their remedies.

TRACTOR TESTING

What is testing, objectives of testing, types of test, PTO performance, drawbar performance, hydraulic performance, braking performance, location of centre of gravity, turning ability, safety tests, noise level, mechanical vibration, operator's field of vision, air cleaner oil pull over, field and haulage test etc.

TILLAGE IMPLEMENTS

Basic of primary and secondary tillage, M.B. plough with their adjustment and settings, disc plough, cultivator, Rotary tiller, Subsoiler, zero till drill, Implements Settings & setting in Draft etc.

IMPLEMENT TESTING

What is testing, Objectives of testing, Types of Tests for implements, M.B. plough test, cultivator test and Rotary tiller test etc.

BASIC OF POWER TILLER

Working and use of power tiller, Different systems of power tiller, Difference between power tiller and tractor etc.

BASIC OF COMBINE HARVESTER

Need of combine harvester, population of combine harvester in India, working principle and types of combine harvester etc.

❖ Procedure for Admission: -

- ✓ College, universities and students will have to send request letter on official email id (p3agfpc@gmail.com) with Students name, contact number and email id.
- ✓ PThree AG Solutions training center will select the candidates and Send Confirmation letter on students mail id.
- ✓ The selected students will have to make payment of **Rs1299-** for one-month training.

❖ Location of training institute: -

Plot no – 07, At Mahagaon Kurunda 2, Post Chondi Amba, Taluka Basmat, District Hingoli, Maharashtra, 431512.