

CURRICULUM VITAE

Agrl. Er. AKASH ONKAR BORSE

B.TECH (AGRIL.ENGG.)

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CAREER OBJECTIVES

To seek a position in the field of research and development, service in Agricultural machines, Power Tiller, Power weeder, Hand Held Power Tools Equipments and Agricultural Implement industry which offer me the opportunity to utilize my expertise in farm mechanization.

WORK EXPERIENCES

Current Working:-

Company: - KVH AGRO TECH PVT LTD (Pune, Maharashtra)

Designation: - Manager - R&D

Duration: - 15th June 2022 to Till Now.

Company Products: - Agricultural Machines, Tractor Operated Implements, Power Tiller and Power weeder operated implements, etc.

Role and responsibility:

- Product Development.
- Product Training.
- Product Validation (Homologation & certification)
- Product Testing (Prototype & FMTTI / Institutional) as per BIS codes:
 - Testing and trials of new products at field & lab.
 - Field Testing and Collection of Data of *Prototype Models*.
 - Making Specification Sheet & Technical File of new products for FMTTI / Institutional testing.
 - **Achievements: Final Test Reports of 2-Models of Trailers (3 Tonne & 5 Tonne) at (SRFMTTI, Anantpur, AP).**
- Modification of existing products according to current / farmers need.
- To train service team & solve the product trouble shootings.
- Support to product manual team for making of operational manuals & spare parts catalogue.

Company: - Mhaswadkar Autolines Private Limited (Satara, Maharashtra)

Designation: - Senior Engineer - R&D (Training & Testing)

Duration: - 23rd Nov 2020 to 10th June 2022.

Company Products: - Agricultural Machines, Implements and Power weeder, Sprayers, Brush Cutter, Chain Saw, Power Reaper, Earth Auger (Post Hole Digger) etc.

Role and responsibility:

➤ TESTING:-

- Testing and trials of new products in field and in lab, development in existing products.
- Making Specification Sheet & Technical File of new products for testing.
- Conduct test according with BIS standards at In-Plant.
- Field Testing and Collection of Data of *Prototype Models*.

- **Achievements: Final Test Reports of 2-Models of brush cutter (4-Stroke Brush Cutters) at (NERFMTTI, Biswanath Chariali, Assam)**

➤ **TRAINING:**

- Training & Introduction to company employee about new launched & modified products.
- Training & Introduction to dealer's mechanic/technician about new launched & modified products.
- Working as a Service Engineer.
- To train service team & solve the product trouble shootings.
- Support to product manual team for making of operational manuals & spare parts catalogue.
- Working closely with design team for new development on basis of farmers need and performance.

Company: - Pagariya Krushi Tech Power Tiller (Aurangabad, Maharashtra)

Designation: - Production Engineer (Service)

Duration: - 10th Aug 2020 to 10th Nov 2020

Role and responsibility:

- Testing and trials of new products in field and in lab, development in existing products.
- Conduct test according to BIS standards.
- Field operation and collection of data.
- Pre delivery inspections (PDI) of different machine.
- Service of different parts of the machine/implement before and after of field test.
- To train service team for operating and maintaining new product.

TEACHING

Organization: - Agritech Knowledge Institute

Designation: - Guest lecturer (Online class)

Duration: - 5 July 2020 to 5 August 2020

Topics:-

- Online teaching about Tractor, Power Tiller and Power Weeder.
- Working of different systems of Tractor, Power Tiller and Power Weeder.
- Study of different tillage implements.
- Introduction of Tractor, Power Tiller, Power Weeder and implements testing.
- Study, operation and maintenance of 5 HP single cylinder engine.

APPRENTICESHIP

SOUTHERN REGION FARM MACHINERY TRAINING AND TESTING INSTITUTE, Garladinne, Dist-Anantapur (A.P) – 515731

Duration: 01 July 2019 to 30 June 2020 (**One Year**)

Role and Responsibilities:

TESTING:

- Assisted various implements tests such as **Power tiller, Power Weeder, Power Reaper, Reaper cum Binder, Seed Drill calibration, Sub soiler, Post hole digger and other Agriculture Implements** according with **BIS** test code.

- **Lab Tests:**
 - ❖ Engine Performance Test
 - ❖ Rotary Performance Test
 - ❖ Drawbar Performance Test
- **Field Performance Test (Dry Land / Wet Land)**
- **Safety Tests:**
 - ❖ Vibration Test
 - ❖ Noise Level Test
 - ❖ Brake Performance Test
 - ❖ Turning Ability
 - ❖ Torture Test
- **Miscellaneous Tests:**
 - ❖ Running-In
 - ❖ Nominal Speed Test
 - ❖ Air Cleaner Oil Pull Over Test
 - ❖ Haulage Test
 - ❖ Dismantling & Assembling, Dimensions and Specifications of the Product.

TRAINING:

- Study of different systems of Tractor and its working.
- Study of different Agricultural Implements their settings and working.
- Assisted for conducting various training programs (**A1, U1, NB** and also **T1**) in the supportive guidance of Engineers and Technicians for Diploma, Graduate and Technical as well as non-technical students about tractor and their different system viz. Engine, Hydraulics, Transmission, Electrical, Steering and Brake System.
- Dismantling and Assembling of Engine (single and multi-cylinder Engines), Transmission, Hydraulic & Electrical System along with its settings and trouble shootings.
- **Also teach to NB (Need Based) series about engine & engine systems, especially for 5 HP Kirloskar engine and also teach tractor driving and field operation with agricultural implements such as M.B. Plough, Cultivator, Rotavator, Disk Plough, Disk Harrow, Combine Harvester, Power Tiller, Power Weeder.**
- Repair, Maintenance and Servicing of tractors and agricultural machineries at SRFMTTI, Anantapur.

EDUCATIONAL QUALIFICATION

QUALIFICATIONS	SCHOOL/ COLLEGE	BOARD/UNIVERSITY	PASSING YEAR	PERCENTAGE (%)
B.TECH (AGRI. ENGG.)	DUPCAE&T, JALGAON	Mahatma Phule Krishi Vidyapeeth, Rahuri (MH)	2018	72.95%
HSC	SCSJC, KOLPEWADI	Maharashtra State Board, Pune	2014	57.54%
SSC	SCSV, KOLPEWADI	Maharashtra State Board, Pune	2012	75.64%

ACADEMIC TRAININGS

TRAINING INSTITUTE / COMPANY / ORGANIZATION	TRAINING YEAR	TRAINING DURATION
Watershed Organization Trust (WOTR), Ahmednagar (M.S.)	January 2018 to April 2018	4 Months

Popular Steel Works (PSW), Kolhapur (M.S.)	June 2017	1 Month
Central farm machinery Testing and Training Institute (CFMTTI), Budni (M.P.)	June 2016	1 Month

EXTRA CURRICULAR

- I have created own blog for giving information about new modern technologies of Agricultural Equipment and Machineries to the Farmers, students and agricultural professionals.

Blog link: - agriequipmentandmachineries.blogspot.com

- **Articles Published:**

1. Online Portal: The Interview Portal

Subject/Topic: Professional Career as an Agricultural Engineer

2. Publication: Just Agriculture e-Newsletter

Subject/Topic: Basics of Power Weeder

Published Date: Vol.3 Issue-1, September 2022 (Article No. 52)

ACADEMIC PROJECTS

- Case study on Gajanan Agro Industry Of Briquetting Plant
- Case study on Cost Estimation and Impact of Farm Pond

COMPUTER SKILLS

- Microsoft office (MS Word, MS Excel & MS Power Point)
- Good Browsing skill of Internet surfing and searching

SOFT SKILLS

- Team work
- Time management
- Paying attention to work
- Positive attitude

PERSONAL DETAILS:

- **Name** :- Mr. Akash Onkar Borse
- **Permanent Address** :- Plot No. 40, Gat No.194, Trishneet Villa Park, Gavate Nagar, Nanekarwadi, Chakan, Tal: Khed, Dist: Pune, Maharashtra- 410501
- **Date of Birth** :- 20th March 1997
- **Gender** :- Male
- **Language Known** :- Marathi, Hindi, English
- **Marital Status** :- Unmarried
- **Interest & Hobbies** :- Articles & blog writing, listening music, internet browsing for gaining information

DECLARATION:

I hereby declare that all the details furnished above are true to the best of my knowledge and belief

Date:

Place:

AKASH ONKAR BORSE