

UJJAWAL KUMAR GUPTA

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Objective

Motivated and ambitious university student pursuing a Bachelor of Technology in Agriculture Engineering with a strong focus on learning and utilizing technology.

I seek challenging opportunities where I can fully use my skills for the better productivity of the organization.

Being an agriculture engineering student goal of my education is to integrate technology with farming to increase efficiency, productivity, and sustainability in the agricultural sector. My study focuses on applying engineering principles to the design, development, and improvement of systems and processes related to agriculture.

Education

B.TECH.| AGRICULTURE ENGINEERING AND TECHNOLOGY| SCHOL OF ENGINEERING AND TECHNOLOGY|

- Completed in 2024 July
- Marks Obtained 85.45%
- Related coursework: Farm Power and Machinery, Soil Mechanics, Hydrology, Irrigation Technology, Food Technology.

INTERMEDIATE| SCIENCE (PCMB) | K.L. PUBLIC SCHOOL|

- Passing Year: 2019
- Board: CBSE
- Marks Obtained: 72%

MATRICULATION| SCIENCE | HOLY CHILD SCHOOL|

- Passing Year: 2017
- Board: ICSE
- Marks Obtained: 74%

Skills & Abilities

- Farm equipment handling.
- Equipment calibration (Seeder, Weeder, Sprayer etc.)
- Tractor Driving with equipment (Disc Plough, Cultivator, Rotavator , Combine Harvester etc.)
- Tractor Testing – Noise measurement, brake, turning circle, visibility, vibration, hydraulic etc.
- Equipment testing – Thresher, Chaff cutter, cultivator, rotavator etc.
- Management skills.
- Problem solving ability.
- Analytical Skill.

- Mathematical skill
- Technical writing.
- Attention to details.
- Project management
- Adaptability.
- Knowledge of Agriculture science.
- Environmental Awareness
- Innovative thinking
- CAD- Autocad
- Python – Language
- Estimation of cost of operation
- Tractor Mechanics.
- Microsoft – Word, Power point, Excel
- Technical management.
- Communication ability.

TRAINING & PROJECT

TRAINING-AGRICULTURE MACHINERY | NER-FMTTI | 5 WEEKS | VISHWANATH CHARALI, ASSAM

- I attended training course on Agriculture Machinery under Academic Level (A-1).
- Where I learnt about Tractor's Internal Combustion engine, Clutch System, Gears & Gearboxes handling, Differential system, Brake system, Auto-electric System, Hydraulic System, Tractor maintenance & Driving.
- My training also includes learning on Plant Protection, Irrigation System and Metering Mechanism.

PROJECT- PADDY THRESHER | DESIGN FABRICATION| PERFORMANCE EVALUATION | ERGONOMICS | ON GOING (JUNE 2024)|

- Objectives of our project is to design a light weight paddy thresher which is suitable for operation in hilly areas of North-Eastern region of our country.
- Test to be conducted for its evaluation – Performance test, RPM test, Noise test, Ergonomics test, Anthropometry test.

COURSE KNOWLEDGE

1. **MECHANICAL** - Farm Power, Farm Machinery, Farm Equipment, Tractor System, Tractor Control, Tillage and Traction, Tractor's Tyres, Tractor Design and Testing, Strength of Materials, Theory of Machines, Design of Structures, Human Engineering & Safety, Thermodynamics and Heat Engine, Heat and Mass Transfer, Workshop Technology, Refrigeration and Air Conditioning, Engineering Mechanics and Graphics.
2. **HYDROLOGY** – Irrigation & drainage, Statistical Hydrology, Watershed Hydrology, Fluid Mechanics, Watershed Management.
3. **SOIL MECHANICS** – Soil water conservation and engineering, Soil strength testing, Ground water wells and pump.

ACCOMPLISHMENT

- Facilitated with 2nd position at National Level Tech Fest (TECHAURA) in model presentation where I developed an Automatic Cutter and Sprayer installed on tractor.