

RAJESH PANDIYAN

☎ +91 9894828669

🌐 <https://www.linkedin.com/in/rajesh-pandiyan->

📍 Kallakurichi, India

✉ prajeshtnau@gmail.com

About

As an industrious Agricultural Engineering graduate, having completed my technical proficiency through an M.Tech in Farm Machinery, I bring a robust blend of field experience and advanced technical knowledge to the agricultural sector. With a solid year of on-ground experience in the research sector, my approach is firmly rooted in the practical challenges and needs of the agricultural community. My passion lies in designing and implementing innovative machinery solutions that increase efficiency and are tailored to the unique demands of diverse agricultural landscapes across India.

Education

Masters of Technology in Farm Machinery and Power Engineering
Tamil Nadu Agricultural University (TNAU)

(Jan 2023 – October 2024)
Coimbatore, India

Relevant Coursework :

1. Testing and Evaluation of Agricultural Equipment
2. Soil Dynamics in Tillage and Traction
3. Design of Farm Machinery –I & II
5. Mechatronics
6. Computer Aided Design
7. Management of Farm Power and Equipment

PG OGPA : 8.41

Project: *An Investigation on Crop, Machine, Operational and Environmental Parameters for Optimizing Spray Characteristics of Hybrid Drone*

Experience

Assessment of status of farm mechanization and custom hiring in India
AICRP on Farm Implements and Machinery
ICAR-Central Institute of Agricultural Engineering
Nabi Bagh, Berasia Road, Bhopal-462038 (M.P.) India

(November 2024)-
Present
TamilNadu

Publications

Research article

Title: Optimizing the Impact of Spray Characteristics of Hybrid Drone on Spray Deposition in Cotton Crops.

Publisher: Current Science

NASS rating: 7

DOI no: 10.18520/cs/v127/i3/297-306

Title: A Study on Droplet Deposition of Nano DAP Using Unmanned Aerial Hybrid Sprayer on Peanut Crop.

Publisher: Indian Journal of Agricultural Sciences (Final stage)

NASS rating: 6.4

Copyright:

Title: Software program for Wind Direction Monitoring System

Dairy number: 25245/2024-CO/SW

Internships

Research Intern

Agricultural Engineering college and Research Institute, Coimbatore.

Nov 2023 –Aug 2024
TNAU, India

Bachelors of technology in Agricultural Engineering

Tamil Nadu Agricultural University (TNAU)

(2018-2022)

Trichy, India

UG OGPA : 8.01

Certifications and Training:

Remote Pilot Certificate

- **Issuing Authority:** The Directorate General of Civil Aviation (DGCA) (May 29 to June 7, 2024)
Chennai, India
- **Certificate no :** 23225002D82RP

Drone Operation Training Certificate

- Successfully obtained the Training Certificate after completing an intensive 9-day training program at Garuda Aerospace Pvt. Ltd.
- Covering drone operations, regulatory compliance, maintenance, and advanced flight techniques.

Work Experience

Irrigation Engineer

Akshaya Foundations and Pools

(Sep to Dec 2022)

Bengaluru, India

Workshops

- Computer Aided Design and SolidWorks |ICAR|CIAE|Coimbatore|21days 2023
- Flutter App Development |Techno bytes | IIT Madras. 2024
- Workshop on Electronics, and Robotics |I- Robochakra | One week| Coimbatore. 2023
- Adobe Academic Essentials Program | TNAU 2023

Notable Conferences

- 8th Agricultural Graduate Students Conference|TNAU|2023
- Agricultural Engineering Innovation For Global food Security |ISAE |TNAU | Coimbatore.
- Indian Society of Agricultural Engineering Conference 2021, Trichy
- Global Trends in Food Processing and Food Safety |TNAU | Coimbatore.

Sports

- Sports Secretary |2021-22
- Best Sportsman award for the year 2018- 2022 received by Bank of Baroda with cash amount 15000.
- Best Sportsman award for the year 2019 inter college tournament received by AEC&RI|TNAU.
- Represented TNAU in Golden jubilee basketball tournament held at NIFTEM 2019.

Skill Sets

- **Programming:** Python, R, Arduino
- **Research Tools:** MS Excel, Kobo Toolbox
- **Data Analysis:** Design Expert, SPSS
- **Documentation & Presentation:** MS Word, MS PowerPoint
- **Design Softwares:** AutoCAD, SolidWorks (Expert)
- **Other Technical Skills:** ArcGIS (Basics)
- **Selected Soft Skills:** Time Management, Cultural Competence, Critical Thinking
- **Language Proficiency:** Tamil (Native), English, Malayalam

Reference

1. **Dr. R.Kavitha**, Professor and Head (FMP), Tamil Nadu Agricultural University
kavitha@tnau.ac.in(Ph no:9443173322)
2. **Dr.A.P.Mohankumar**, AP(FMP),Tamil Nadu Agricultural University
apmohankumar@tnau.ac.in (Ph no: 7845865365)