



MD ABDUL LATIF

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SUMMARY

A dedicated Mechanical Engineering professional currently serving as an Assistant Professor. Experienced in teaching core mechanical subjects with a strong focus on practical and concept-based learning. Skilled in robotics and drone technology training, integrating modern STEM approaches into education. Actively involved in student mentoring, project guidance, and technical skill development. Possesses a solid research background with a keen interest in sustainable engineering and innovation.

WORK EXPERIENCE

Assistant Professor, Swami Vivekananda University, Barrackpore **1st Mar 2026 - Present**

- Deliver lectures on core subjects such as Thermal Engineering, Manufacturing Processes, and Mechanics.
- Design and implement practical-oriented teaching methods including lab sessions and workshops.
- Guide students in academic projects, research activities, and technical competitions.

Project Manager , Berry Avionics India Pvt. Ltd. **Jul 2025 - Feb 2026**

- Managed robotics and drone training projects, coordinating planning, execution, and communication with academic institutions.
- Organized hands-on STEM workshops and technical programs, successfully training 350+ students.
- Led curriculum development and supervised technical teams to ensure smooth project delivery and performance tracking.

Drone & Robotics Instructor, Berry Avionics India Pvt. Ltd. **Feb 2024 - Jun 2025**

- Delivered hands-on training in drone assembly, flight calibration, and robotics systems, conducting technical workshops for 350+ students.
- Designed STEM and UAV learning modules and guided students in developing real-time academic and technical projects.

Post Graduate Engineer Trainee, Manifold Impex Pvt. Ltd. **Oct 2023 – May 2024**

- Development & manufacturing of railway components such as WAG-9 bogie frames & brake systems.
- Prepared 2D technical drawings per RDSO standards.
- Participated in quality testing and validation.

EDUCATION

Master of Technology, Aliah university **Aug 2022- Aug 2024**

Copper-Graphite Journal Bearings using Powder Metallurgy Techniques

- Focused on material properties, wear behavior & tribology performance under high-load industrial applications.

Bachelor of Technology, Lingayas Vidyapeeth **Aug 2017 - Jul 2021**

Design and Optimization of a Two-Stroke Engine

- Aimed at improving fuel efficiency and emission control.

PUBLICATIONS / RESEARCH WORK

- Research paper under preparation based on M.Tech Powder Metallurgy Bearings study.
- Target journals: Elsevier / IJERT / IJSER.

WORKSHOPS, CONFERENCES & ACADEMIC ACTIVITIES

- Lead Organizer — AURA 2024 & 2025 Technical Festival
- Volunteer — Indian Foundry Congress & IFEX 2025
- Placement Coordinator — Aliah University
- Organized multiple robotics & UAV technical training programs.

SUBJECTS ELIGIBLE TO TEACH

- Robotics & Mechatronics
- Drone Technology & UAV Systems
- Manufacturing Technology
- Engineering Graphics & AutoCAD
- Mechanical Design & Machine Components
- Powder Metallurgy and Tribology
- Engineering Mechanics & Thermodynamics

TECHNICAL SKILLS

- AutoCAD (2D & 3D), Python Programming
- UAV Assembly & Calibration (Pixhawk, BLDC, ESCs, LiPo Systems)
- Mechanical Design & Fabrication
- STEM Curriculum Development
- MS Excel & MS Word

ACHIEVEMENTS

- Eastern Zone Project Lead, Berry Avionics
- Conducted drone training for 350+ students
- Designed drone curriculum for multi-grade academic levels

LANGUAGES

English | Bengali | Hindi

DECLARATION

I hereby declare that all the information provided is true and correct to the best of my knowledge.

Place:- Newtown, Kolkata

Date:- 07th April, 2026

Md Abdul Latif
Signature