

ARUNAVA RANO

Assistant Professor | Pursuing PhD

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PROFESSIONAL EXPERIENCE

Assistant Professor, Dept. of Mechanical Engineering

Swami Vivekananda University

Feb 2026 – Present

Lecturer, Dept. of Automobile Engineering

Kingston Polytechnic College, Barasat, WB

Mar 2013 – Feb 2026

Courses Taught: Automotive Chassis-I & II, Automobile Transmission System, Workshop Organization & Vehicle Maintenance, Automobile Components Design, Strength of Materials, Advanced Strength of Materials, Engineering Mechanics, Theory of Machine, Design of Machine.

Other Activities: Organized departmental seminars and workshops. Member of Examination Cell and Admission Cell.

EDUCATION

PhD (Pursuing)

Aliah University

2026 – Present

M.Tech in Mechanical Engineering (8.12 CGPA)

IIT(ISM), Dhanbad

2019

B.Tech in Automobile Engineering (7.52 CGPA)

M.C.K.V Institute of Engineering, WBUT

2011

Higher Secondary - Science (68.8%)

Mira High School, WBCHSE

2007

Madhyamik (78.5%)

Mira High School, WBBSE

2005

ACADEMIC PROJECTS

- **M.Tech Project:** "Numerical Analysis of Gears for Transient Temperature and Heat Flux Measurement" (Under the guidance of Dr. Rakesh Kumar, Assistant Professor, IIT ISM Dhanbad)
- **B.Tech Project:** "Design & Manufacturing of light weight Engine block" (Under the guidance of Mr. Chaitanya Nandi, Assistant Professor, MCKV Institute of Engineering)

PROJECTS GUIDED

- Cut-section of synchromesh type gear box
- Model of differential
- Hydraulics crane
- Hybrid vehicle model
- Model of service station

CERTIFICATIONS & TRAININGS

- **5-Day Faculty Development Program (Online):** Intelligent Manufacturing, Energy Sustainability and Reliability, organized by OmDayal Group of Institutions (7th - 11th April, 2026).
- **5-Day Skill Development Workshop:** Battery Thermal Management with Hands-on using ANSYS FLUENT (17 April 2026 - 21 April 2026).
- **5-Day short term course** on Sustainable Energy Systems organized by Institution's Innovation Council (AU-IIC), Aliah University, in collaboration with the Internal Quality Assurance Cell (IQAC) (3rd August-7th August, 2026)
- **Short Term Training Programme (STTP via ICT Mode):** Rural Development through CDTP / PWD / UBA Scheme organised by NITTTR (22nd Nov - 26th Nov, 2021).
- **Summer Trainings:** Northern Coal Field Limited, Madhya Pradesh & Bosch Pvt. Ltd., Kolkata.

PERSONAL DETAILS

Date of Birth: 8th November, 1988

Father's Name: Late Kashinath Rano

LANGUAGES KNOWN

Bengali, English, Hindi

(ARUNAVA RANO)