Faculty Profile

Name : Arun Nema

Designation : Assistant Professor

Date of Joining : July 2026

Mobile No: : 7022297404

E-Mail ID: : an_aero@adcet.in

Educational Qualifications:

Degree	Year of Graduation	University	Grade
PhD in Aerospace Engineering	Pursuing	National Defence University of Malaysia	
M.Tech in Aerospace Engineering	2014	JNTU, Hyderabad	First Class
B. Tech in Aeronautical Engineering	2011	JNTU, Hyderabad	First Class

Area of Specialization:

1. Aerodynamics
2. Computational Fluid Dynamics
3. Fluid Mechanics
4. Hypersonic Flow

Professional Experience:

Teaching: 10 Years Industry: 2 Years Research: 02 Year Total: 14 Years

Research and Development:			
Journal Papers	WoS:0	Scopus:7	Others: NIL
Conference Papers	International:1	National:1	Others: NIL

Professional Development:		
STTPs: 10	FDPs:10	Seminars:20
Workshops:10	NPTEL Courses:0	Other MOOC Courses: NIL

Professional Memberships:		
Aeronautical Society of India	Life Member	AM 7585
International Association of Engineers (IAEng.)	Life Member	223096

Students Supervised/Guided:

UG: 08 PG: 02 Ph.D: NIL Total: 10

Special Achievements:

1. Got an International award from **AOARD** to pursue my **PhD at UPNM, Malaysia,** from 2022-2024
2. Served as a **Graduate Research Assistant at UPNM**, researching hypersonic intake flow control using laser energy deposition and shock-wave/boundary-layer interaction.
3. Contributed to **DRDO (Advanced Systems Laboratory)** by working on the design and CFD analysis of a supersonic nozzle for the Plasma Wind Tunnel.
4. Attend the Round Table conference with **Scientists and Astronauts at the Russian Cosmonaut Centre.**
5. Worked as a **Technical Author at Safran Engineering Services**, preparing and updating aircraft maintenance manuals for major aircraft manufacturers such as **Airbus, Boeing, and ATR**.
6. Exclusively work on the manufacturing of **Gas Turbine Blades at Bharat Heavy Electricals Limited**.
7. Possess advanced expertise in **ANSYS Fluent, STAR-CCM+, HyperMesh, MATLAB, AutoCAD, and CATIA**, widely applied in aerospace design and CFD research.
8. **GATE** Aerospace Qualified All India Rank **847** in the year **2014**