

Annexure -I

Professional Experience

17th Jan 2022- till date

Principal at Yogoda Satsanga Mahavidyalaya, Jagannathpur, Dhurwa, Ranchi

Aug 2007-

14th Jan 2022

UNIVERSITY OF PETROLEUM & ENERGY STUDIES, DEHRADUN.

- Teaching Fluid Mechanics, Theory of Machines, Thermodynamics, Thermodynamics and Heat Transfer, Automotive Transmission system, IC engine and Gas turbines power plants to the under-graduate and postgraduate students.
 - Fluid Mechanics lab sessions are video recorded and after editing content is uploaded on Blackboard, all faculty who are teaching this course utilizing it since June 2020.
 - Using project based learning approach, in the course kinematics and dynamics of machines, students are encourage to make mechanism. Several mechanisms are available as a teaching tool.
 - In the course fluid mechanics, lab equipment are used to teach concepts, also short videos are used to explain concepts.
 - Computerized test rig (IC engine and pumps) also used to teach practical aspect of course.
 - Course content for fluid mechanics, kinematics and dynamics of machines etc. are developed, recorded lecture sessions also provided to the students.
- Worked as a Head (B. Tech ADE and PG) in Mechanical Department CoES (2015-2018). A few accomplishments are given hereunder
 - Organized lecture series for PG students on “offshore pipelines” through skype, sessions were delivered by Atanu Dutta, an expert in the field from Aberdeen UK.
 - Organized training program for PG students on Balancing and Vibrations. SKF training division conducted these programs.
 - Initiated E-vehicle lab development in collaboration with Mahindra & Mahindra. Layout and list of equipment was finalized in the year 2018.
 - 50 students of ADE received 5 days training at ICAT (Jan 2018)
 - 10 Students got placement in ICAT.
 - Facilitated many students for industrial internship projects in companies like Hella India Pvt. Ltd., Honda 2 wheeler, Mahindra & Mahindra etc.
 - Initiated E- Newsletter (Auto tribune), it publishes articles of students.
 - Arranging internship for the Automotive Design Engineering students.
 - Organized training program for our students and faculty.
 - Mr. Narendra Chettri delivered session on auto-Styling.
 - Dr. D Joshi delivered 2 days’ workshop on vehicle dynamics for our students.
 - Dr. Methew Abraham delivered session for faculty and students.
 - Expert lecture on pumps and compressors.
- NBA coordinator for the B. Tech ADE program. And the B. Tech ADE program was accredited by the NBA for 3 years, September 2019 (term 2016 to date). Recently completed accreditation of 5 UG programs as NBA college coordinator. The recent visit from the NBA peer team, which in my opinion is one of the best examples of the

in-to-win-it concept, where very micro-detailing and planning were implemented flawlessly.

- Developed vision and mission for the mechanical department and program specific objectives for ADE Programme.
- Ensured all the courses and activities have course outcomes under ADE Programme
- Ensures all the courses and activities do assessment based on the attainment levels.
- Assessment and analysis is made for vision, mission and PSO's from stakeholders.
- Disseminated vision, mission, POs and PSO's.
- Prepared SAR in association with NBA team at MED.
- Introduced Programme magazine called "Atuotribuine".
- Encouraged faculty for introducing the innovative teaching and learning process for improvement in outcome-based education.
- Worked with NAAC team for accreditation, we have achieved NAAC "A" rating.
- A fully online workshop being conducted for all faculty members (SoE) on "Outcome Based Education (OBE)", 12-27 May 2020. Total 184 faculty members successfully completed the same.
- Actively involved to implement AICTE model curriculum (AY 2018) at School of Engineering. B. Tech (ADE) curriculum was design based on AICTE and OBE requirements.
- eFDP (National Faculty Development Programme) was organized as a convener on "*Technological Evolution and Implementation of Modern Tools in Automotive Engineering*" from 26th June, 2020 to 30th June, 2020. Total 260 participants successfully completed the same.
- Conducted several workshops and training programs for assessment based on OBE requirements.
- Working as a coordinator for EQIP offered to Hero-Moto Corp employees.
- Providing my support to facilitate UPES-Pearl PG CAP program as a Mentor.
- Developed testing rigs in the laboratories such as – computerized VCR Engine Test Rig in the alternate fuel research Lab.
- Worked as a Proctor, College of Engineering studies (2011-2012). And received "appreciation letter" for the road safety drive.
- Worked as an Alumni Co-ordinator of CoES (2012-2013).
- Worked as Deputy MR for ISO (2014-15)
- Guided more than 15 UG and PG Project to the students.
- Conducted audit for all the labs of UPES in 2015
- 02 Scholars completed their Ph. D. Moreover, currently guiding 5 Ph.D. scholars.
- Working as a Remote centre co-ordinator for National mission of education through information and communication technology. This requires co-ordination with IIT Bombay and IIT Khargpur to organize various faculty development program.
 - Conducted eight such short-term training program at our Institution in which more than 200 faculty members have gone through these training program.

Jan. 2006–

ENERCON (INDIA) LTD. DAMAN

July 2007

Senior Engineer – Enercon Training Academy.

- Formulation of Process and Work Instruction for site personnel for Service and for Installation activities.
- Working at sites with Service & Installation team on special activities like bearing replacement, gearbox replacement, Gear rim shifting, Shimming in between tower flanges Turbine re-erection, blade extender activity, rotor conversion etc. & developing guidelines for same.
- Root cause analysis for Wind turbine failure on technical front.
- Compiling technical instructions on various issues as per Indian operation conditions and updating it as per requirement.
- Training of Service, Installation and Commissioning team at ENERCON TRAINING ACADEMY for function of Wind Machines.
- Training Blade Production employees at technical or moulder level as well as supervisor level.
- Implement e –learning (Moodle) portal for Enercon Employee, content creation and management.

May 2003–

HITKARINI COLLEGE OF ENGINEERING & TECHNOLOGY, JABALPUR (MP)

Dec 2005

Lecturer - Mechanical Engg.

- Courses taught: Thermal Engg., Material Science, I.C. Engine etc. to the undergraduate students.
- Training and Placement officer: Involved in institute's training and placement activities.