
Er. Subodh Kumar Ghimire

(M.Tech-CAD/CAM, B.E.- Industrial)

Permanent Lecturer of Automobile Engineering at Institute of Engineering, Thapathali Campus
Under the **Department of Automobile and Mechanical Engineering**

Mobile: +977 9851105300, 9849747509

Email: **mesubodh@gmail.com , subodh@tcioe.edu.np**

PROFESSIONAL PROFILE

I am an enthusiastic and dedicated person with extensive knowledge across the entire area of **Automobile, Mechanical and Industrial engineering**. An exceptional leader who is able to develop and motivate others to achieve targets, I can demonstrate a strong ability to guide others from conception through to successful completion of task. A proactive individual with a logical approach to challenges, I perform effectively even in a highly pressurised working environment.

EXPERIENCES

Tribhuvan University Experience

At Institute of Engineering Thapathali Campus

S.N.	Role	Start Date	Duration
1	Parttime Lecturer (Industrial)	2014-10-19	3.5 Years
2	Contract Lecturer (Automobile)	2018-04-29	0.5 Years
3	Permanent Lecturer (Automobile)	2018-11-11	4.5 Years
Total University Teaching Experience :			8.5 Years

- Lecturer for the classes of **Vehicle Dynamics, Engine combustion and pollution, Automotive repair and Maintenance, Electric Vehicle, Engineering Drawings, Operation Research, AutoCAD, Heat and Mass Transfer, Theory of Machine and Mechanics** along with Final year **Project Guide** at *Automobile and Mechanical Engineering Department of Thapathali Campus (IOE)*, Also provide short period course on **SolidWorks** and **CATIA** (May 2018 to Present)
- **Head of Automobile and Mechanical Engineering Department** (November 2019 to June 2022)
- **Deputy Head of Automobile and Mechanical Engineering Department** (June 2018 to November 2019)
- Part-Time Lecturer for the classes of **Engineering Drawings, Operation Research, AutoCAD, Heat and Mass Transfer, Theory of Machine and Mechanics** along with Final year **Project Guide** at *Industrial Engineering Department of Thapathali Campus* (November 2014 to may 2018)

Renewable Energy Experience

- Biomass Energy Engineer in Alternative Energy Promotion Centre-Energy Sector Assistance Program (AEPC-ESAP) at **Regional Renewable Energy Service Centre/Dhaulagiri Community Resource Development Center (RRESC/DCRDC), Baglung** (August 2011 to September 2012)
Travel for various projects involves: Baglung, Kaski, Myagdi, Parvat.

Consulting Experience

➤ Mechatronics Engineering Pvt. Ltd.

was part of a team that offered comprehensive solutions for various processing industries such as Food, Beverage, Pharmaceuticals, Feed and Agro. My expertise includes offering top-notch solutions and services for every aspect of a plant's setup, including process and machinery. Our clients were highly regarded leaders in the food, beverage, and pharmaceutical sectors.

➤ Insurance Surveyor.

have honed my skills in evaluating and assessing various types of properties and assets. My experience encompasses conducting thorough and in-depth inspections, identifying potential risks and hazards, and presenting accurate and detailed reports to clients. I have a deep understanding of insurance policies and regulations and am able to advise clients on the coverage that best suits their needs.

EDUCATION AND QUALIFICATIONS

Level	University/Board	Institute	Percentage
Masters In Computer Aided Design/Computer Aided Manufacturing	Jawaharlal Nehru Technological University Anantapur, Andhra Pradesh, India.	Sri Venkateswara College of Engineering and Technology	First division (89.20%) (2014)
Bachelors In Industrial Engineering	Trivhuwan University, Kathmandu, Nepal	Thapathali Campus, Thapathali.	First division (78.67%) (2010)
Intermediate In Science (I.Sc.)	Kathmandu University, Dhulikhel, Nepal.	School of science, Kathmandu University, Dhulikhel	First division. (65.04%) (2006)
School Leaving Certificate (SLC)	His Majesty's Government	Green Lawns Academy, Nepal	First Division. (69.63%) (2003)

DESSERTATION

M. Tech Thesis work on “CFD ANALYSIS TO ENHANCE THE AERODYNAMIC PERFORMANCE OF VAN BY USING DRAG REDUCTION DEVICES”

Performance Study of Wind Friction Reduction Attachments for Van Using Computational Fluid Dynamics
It included modeling with SolidWorks, and analyzing using ANSYS software package.

Final year Project work on “Productivity Improvement”

At Fred Hollows IOL Laboratory, Tilganga, Kathmandu

It included Energy Auditing, Ergonomic Studies and Layout Design.

Final Year Research (2010 August – November)

On “Industrial automation in Nepal In Context Of Nepal”.

Based on case study of Kathmandu Milk Supply Scheme, Balaju Industrial State

SCHOLARSHIPS AND HONOURS

Academic Merit Stipend from *Thapathali Campus, Thapathali, Kathmandu, Nepal* for Bachelor’s Program.

Honored a fellowship program by *Government of India* under *Dr. Homi J Bhabha Scholarship Scheme 2012-13* in order to pursue M.Tech (CAD/CAM) in *Sri Venkateshwara College Of Engineering & Technology-Chittoor, A.P*

PUBLICATIONS (Published)

1. **“Performance Study of Wind Friction Reduction Attachments for Van Using Computational Fluid Dynamics”** is Published in International Journal of Engineering Research and Applications (IJERA). on 10/05/2016
2. **“Performance Study of Gold Plated Catalytic Converter Treatment System for Diesel Engine Emission”** is published in International Journal of Mechanical Engineering and Robotics (IJMER). on 2017.
3. **“Computational fluid dynamics based performance evaluation of louvered fin radiator”** is Published in 11th International Conference on Software, Knowledge, Information Management and Applications (SKIMA) under IEEE on December 2017.
4. **“Design, Fabrication and Testing of Finger-Millet Harvesting Machine”** is published in Journal of the Institute of Engineering on 2019
5. **“Modeling and Analysis of Flow Induced Vibration in Pipes Using Finite Element Approach”** is Published in Proceedings of IOE Graduate Conference, 2019-Summer. On 2019
6. **“Application of Lean Six Sigma in Manufacturing of Precision Tools and Die: A Case Study”** is published in Conference Proceeding: IOE Graduate Conference on September 2019.
7. **“Design Study of Runner for Gravitational Water Vortex Power Plant with Conical Basin”** is Published in Conference Proceeding: IOE Graduate Conference on June 2020.
8. **“Factors Affecting the Adoption of Digital Payment Systems”** is published in Journal of Innovations in Engineering Education on March 2020.
9. **“Design & Study of Conical Draft Tube For Francis Turbine For Steady Flow”** is Published in Proceedings of IOE Graduate Conference, 2020-Summer. On 2020
10. **Design Modification of Open Loop Cooling Water System of Marsyangdi Hydropower Station into Close Loop Cooling Water System”** is Published in Journal of Innovations in Engineering Education on 2022

PUBLICATIONS (In-Process)

1. **“Numerical Study and Simulation of Heat Pipe Embedded Phase Change Material Based Passive Battery Thermal Management System for Electric Vehicle”** is Approved for Publication in Conference Proceeding: IOE Graduate Conference on 2023
2. **“Comparison of new fuzzy logic controller algorithm and classical proportional–integral–derivative controller (PID) controller for trajectory tracking”** is Approved for Publication in 17th International Conference on Vibration Engineering and Technology of Machinery (VETOMAC) 2022.
3. **“Feasibility of Blends of Biodiesel from Waste Cooking Oil for a DI Engine”** is Approved for Publication in International Conference by Biotechnology Society of Nepal ICBSN 2022.
4. **“Flow Analysis and Comparative Design of Bifurcation Pipe : A case study at Ghar Khola Hydropower Project”** is Approved for Publication in Journal of the Brazilian Society of Mechanical Sciences and Engineering on 2023

PERSONAL DETAILS

Date of Birth: June, 5th 1988,
Marital Status: Single
Nationality: Nepali
Language: Nepali, English, Hindi, Dutch
Temporary Address: Balkhu Tekushi Kathmandu-14, Nepal
Permanent Address: Nijgadh-3 Bara, Narayani, Nepal.
Driving Licence: Two wheeler and four wheeler

REFERENCES

Er. Bishworam Parajuli	Er. Prajwal Raj Shakya
Head of Department	Head of Department
Department of Industrial Engineering Thapathali Campus (IOE)	Department of Automobile and Mechanical Engineering Thapathali Campus (IOE)
9851017019	9851172127

Declaration:

I do hereby **declare** that above particulars of information and facts stated are true, correct, and complete to the best of my knowledge and belief.

Er. Subodh Kumar Ghimire
9851105300, 9849747509
mesubodh@gmail.com , subodh@tcioe.edu.np