

Er. Janak Neupane
 Mobile No. 9851064531
 Email: janakneupane999@gmail.com
 Address: Kathmandu-29, Nepal

Career objective:

To obtain the reputed position of Mechanical Engineer where I can leverage my high-quality education from the TU, Institute of Engineering (IOE), Pulchowk Campus & Purwanchal Campus including various skills I have gained during my industrial attachments and post qualification tenure.

Academic Qualification:

Degree / Course	University / Board	Passed Year (B.S)	Grades	Electives / Optional Subjects
Masters in Renewable Energy Engineering	TU, IOE, Pulchowk Campus	2082		<u>Electives:</u> <ul style="list-style-type: none"> ➤ Hydropower Development & Maintenance (Score 77/100)
Bachelors in Mechanical Engineering	TU, IOE, Purwanchal Campus	2075	64.45%	<u>Electives:</u> <ul style="list-style-type: none"> ➤ Basics of Micro-hydropower plant (Score 78/100) ➤ Design of Micro-hydropower System (Score 74/100) ➤ Construction of Micro-hydropower System (Score 73/100)
12 th	HSEB (Nepal Prahari H.S Boarding School)	2071	72.1%	<u>Optional Subject:</u> <ul style="list-style-type: none"> ➤ Mathematics (Score 85/100)
10 th	GOVT. OF NEPAL (Ram Janaki Boarding Ma Vi)	2068	74.63%	<u>Optional Subjects:</u> <ul style="list-style-type: none"> ➤ Additional Mathematics (Score 85/100) ➤ Office Management & Account (Score 82/100)

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Professional Qualifications

DEPARTMENT OF TRANSPORTATION MANAGEMENT, NEPAL GOVERNMENT

Minbhawan, Kathmandu, Nepal

Position	Achievements
Mechanical Supervisor (Working From Jan-2024)	<ul style="list-style-type: none">➤ Implementing and monitoring vehicle inspection programs to ensure compliance with safety, environmental, and regulatory standards.➤ Streamlining the adoption and distribution of embossed number plates to improve accuracy and uniformity in vehicle identification.➤ Contributing to designing and updating national vehicle standards to align with technological advancements and international practices.➤ Developing frameworks for cross-border transportation agreements to enhance international connectivity and trade.➤ Establishing and maintaining a robust database for vehicle fitness, embossed number plates, and compliance records.➤ Introducing advanced diagnostic tools to improve vehicle fitness testing accuracy and operational efficiency.➤ Supervising and training technical teams to ensure effective execution of policies and initiatives.➤ Coordinating with national and international agencies to address transportation challenges and implement global best practices.➤ Advocating for emission standards adherence to reduce environmental impact and improve air quality.➤ Being recognized for outstanding contributions in policy enforcement, infrastructure modernization, and stakeholder collaboration.

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BALAJU SCHOOL OF ENGINEERING & TECHNOLOGY (BSET), CTEVT

Balaju, Kathmandu, Nepal

Position	Achievements
Mechatronics Instructor (Dec-2022 to Jan-2024)	<ul style="list-style-type: none">➤ Demonstrated exceptional skills and dedication in teaching and guiding practical sessions for the Diploma in Mechatronics, Mechanical, and Automobile Engineering programs including Pre-Diploma programs➤ Actively participated as a trainer in various short-term training sessions like Refrigeration & air condition technician (Level-1), junior auto mechanic (Level-1) and so on.

TRISHNA HYDRO ENGINEERING & BUSINESS COMPANY PVT. LTD.

Birendranagar, Surkhet, Nepal

Position	Achievements
Mechanical Engineer (Nov-2018 to Nov-2020)	<ul style="list-style-type: none">➤ Worked in Energy Department under the project entitled Micro-Hydro, Solar Home System, Improved Cook Stoves, Wind Energy and improved Pani Ghatta projects worked in Karnali Province.➤ Supervised all installations of machines and equipment at site thereby ensuring fulfillment of industry standards and requirements.➤ Performed installation in accordance with the plans and specifications as I had designed earlier.➤ Estimated and assigned resources such as manpower, materials, consumables, equipment, tools, etc.

KALIGANDAKI "A" HYDROPOWER PLANT

NEA Project

Beltari, Syangja, Nepal

Position	Achievements
Trainee (Dec-2017 to Jan-2018)	<ul style="list-style-type: none">➤ Learnt about Operation & Maintenance of Hydropower Plant equipment, such as turbines, pumps, valves, gates, fans, electric control boards, battery banks, generating units, operating valves, gates, or auxiliary equipment, etc.

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	<ul style="list-style-type: none">➤ Calibrated electrical & mechanical equipment, such as motors, engines, switchboards, relays, switch gears, meters, pumps, hydraulics, or flood channels.➤ Observed logs, reports, work requests, or other records of work performed in hydroelectric plant.➤ Witnessed maintenance & repair of hydroelectric plant's electrical, mechanical, or electronic equipment➤ Took readings and record data such as water levels, temperatures, or flow rates.
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KALIGANDAKI FISH HATCHERY

NEA-NARC Joint Project

Beltari, Syangja, Nepal

Position	Achievements
Trainee (Dec-2017 to Jan-2018)	<ul style="list-style-type: none">-Learnt Dam Vs. Ecosystem (Biodiversity)-Learnt environmental restoration along with the development of Hydropower plants-Learnt impact of Hydropower Projects on locality and water ecosystem-Witnessed the conservation and rehabilitation of aquatic life in the project site.

NEW SHIV SERVICE CENTRE PVT. LTD.

Hyundai Authorized Service Centre

Sinamangal, Kathmandu, Nepal

Position	Achievements
Trainee (Nov-2017 to Dec-2017)	<ul style="list-style-type: none">➤ Witnessed preventive maintenance such as, engine tune-ups, oil changes, tire rotation and changes, wheel balancing, replacing mobile filter, Mobil, air filter, brake pad, etc.➤ Assisted to maintain vehicle functional condition by listening to operator complaints, repair inspections, repair engine failures, repair mechanical and electrical systems malfunctions, replace parts and components, repair body damage.

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	<ul style="list-style-type: none">➤ Verified vehicle serviceability by took part in test drives, adjusting controls and systems.➤ Maintained vehicle records by recording service and repairs.➤ Kept shop equipment operating troubleshooting breakdowns, maintaining supplies, performing preventive maintenance, calling for repairs.➤ Kept supplies ready by inventorying stock, placing orders, verifying receipt.➤ Updated job knowledge by reading technical publications.
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Trainings:

Title	Focus Area	Date
Basic and advance training on SOLIDWORKS <i>Organized by Society of Mechanical Engineering Students, Purwanchal Campus, Dharan</i>	Design and assembly of mechanical components, BOM management, FEA and assembly motion analysis.	2016-Dec-17 to 2017-Jan-4
Basic and advance training on CATIA <i>Organized by Free Students Union in cooperation with society of mechanical engineering students, Purwanchal Campus, Dharan</i>	Design, analysis, simulation, synthesis and optimization of various mechanical parts to ensure product quality and acceptance.	2018-Jul-13 to 2018-Jul-21
Basic training on ANSYS <i>Organized by Free Students Union in cooperation with society of mechanical engineering students, Purwanchal Campus, Dharan</i>	Finite element analysis and simulation of computer model of structures, machine components for analyzing strength, toughness, elasticity, temperature distribution and other attributes.	2018-July-22 to 2018-Aug-17
Training on Solar Water Pumps <i>Organized by International Centre for Integrated Mountain Development (ICIMOD) and Sunfarmer Nepal</i>	Designs of Solar Water Pumps	2021-Sept-20,22&27

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<p>South-south and triangular cooperation (SSTC) on renewable energy 1st training <i>Organized by Ministry of Energy and Mineral Resources, Indonesia</i></p>	<ul style="list-style-type: none">• Solar Power Plant System and Regulation• Introduction to Solar Power Plant Minigrid• Microhydro Power Plant System and Regulation• Introduction to Microhydro Power Plant Minigrid• Waste to Energy Potency and Regulation• Waste to Energy Utilization	<p>2021-Sept-21 to 2021-Sept-23</p>
<p>South-south and triangular cooperation (SSTC) on renewable energy 2nd training <i>Organized by Ministry of Energy and Mineral Resources, Indonesia</i></p>	<ul style="list-style-type: none">• Renewable Energy Development-Success Story• Study of Solar Power Plant Potential and Load• Centralized of Solar PV Power Plant Technical Planning• Microhydro Power Plant System Potential and Load Study• Microhydro Power Plant Minigrid Technical Planning• Study of Potential and Load of Waste to Energy• Waste to Energy Technical Planning	<p>2021-Nov-02 to 2021-Nov-04</p>
<p>Capacity Development Training on Design of Solar PV System using PVsyst <i>Organized by Centre for Pollution Studies</i></p>	<p>Designs of grid-connected, stand-alone, mini-grid Solar PV and Solar Pumps</p>	<p>2022-June-26 to 2022-June-30</p>

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<p>Safe System Approach and Implementation Guide For National Road Safety Action Plan <i>Organized by Department Of Roads (DOR)</i></p>	<ul style="list-style-type: none">• Understanding the Safe System Approach principles: safe roads, safe speeds, safe vehicles, safe road users, and post-crash care.• Strategies to reduce road fatalities and serious injuries through system-wide interventions.• Stakeholder collaboration and responsibility-sharing in road safety.• Risk assessment tools and methodologies for identifying high-risk zones.• Case studies and global best practices in implementing road safety action plans.	<p>2024-Feb-12</p>
<p>Vehicle Inspection And Fitness Testing <i>Organized by Department Of Roads (DOR)</i></p>	<ul style="list-style-type: none">• Importance of periodic vehicle inspections for road safety.• Procedures for comprehensive vehicle fitness testing, including emissions and mechanical checks.• Regulatory requirements and compliance for vehicle inspection centers in Nepal.• Use of technology in vehicle diagnostics and fitness certification.• Identifying common mechanical defects and ensuring vehicle safety standards.	<p>2024-Aug-9</p>

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	<ul style="list-style-type: none">• Training on operating vehicle inspection equipment and software.	
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Accomplishments:

Survey	Objectives	Remarks
<p>Under the Leadership of Er. Shankar Singh Dhami <i>(Senior Divisional Mechanical Engineer)</i></p> <p>Ministry of Physical Infrastructure and Transport, Singhdurbar, Kathmandu</p>	<ol style="list-style-type: none">1. To collect and analyze data related to physical condition, capacity and features of motor vehicles in operation under public transport service in Kathmandu valley, with special attention to suitability of use, performance parameters, comfort, convenience and safety.2. To compare the findings from survey against the national and international standards.3. To recommend standards for motor vehicles in public transport on aspects related to physical attributes, performance, comfort and safety.	
<p>Under the Leadership of Mr. Tulsi Narayan Maharjan</p> <p>Ministry of Physical Infrastructure and Transport, Singhdurbar, Kathmandu</p>	<ol style="list-style-type: none">1. To find out the real scenario of investment and return from public transport business in Kathmandu valley.2. To evaluate the level of willingness and satisfaction among investors and entrepreneurs regarding investment in public transport sector.3. To find ways in which public transport service can be sustainably operated in Kathmandu valley.	

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	4. To suggest the modality of government's participation in the public transport service of the valley	
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- Excellent and consistent academic record including scholarship in school, college.
- Completed following Professional friendly programs/Subjects of IOE with better score:
 - a. Workshop Technology
 - b. Engineering Drawing I & II
 - c. Communication English
 - d. Metrology
 - e. AUTOCAD 2007 2D&3D
 - f. Engineering Professional Practice,
 - g. Project I (Transfer motion and torque between machine components without using mechanical gear)
 - h. Project II (System Design of Micro-Hydropower Plant at Khorunga Khola, Tehrathum)

Additional Details:

- Nepal Engineering Council Registration No. 4808 "Mechanical" "A" Category
- Insurance Surveyor License Holder (Class "D")
- Date of Birth: 13rd August, 1997
- Blood Group: A^{+ve}
- Computer Literacy: Well versed with latest MS-Office, Excel & PowerPoint
- Communication Skills: Can Read, Write and Speak English, Hindi & Nepali.
- Others Skills:
 - a. Leadership,
 - b. Planning and Coordination,
 - c. Conflict resolution & Resistance to stress,
 - d. Flexible & Adaptable,
 - e. Organization and Time Management.
 - f. Operability and commitment
 - g. Results-Oriented
 - h. Ability to motivate staff maintaining good relations
 - i. Good manners

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Declaration:

I hereby declare that the above information is being duly filled by me and are correct to best of my knowledge. I can provide evidences of the above information if so required.