

# UTSAV ADHIKARI

Electrical Engineer



🔗 DOB: June 12, 1990  
📍 Kathmandu, Nepal  
✉ utsav.adhikari@gmail.com  
📞 +977-9841793545

## ACCREDITATION

### Nepal Engineering Council

Registered Engineer  
Registration No. 1315  
Electrical A-Category

## AFFILIATION

### Nepal Engineers Association

Life Member  
Registration No. 21439

## EXECUTIVE SUMMARY

Over a 7 year career in Nepal Electricity Authority, I have played an essential role in feasibility study, design, layout and construction of 400 kV transmission line and substation, where I have found my biggest passion.

## WORK EXPERIENCE

### ❖ Nepal Electricity Authority, Kathmandu, Nepal

Oct 2016-Present

#### *Electrical Engineer*

Email: rrk400kv@nea.org.np, Website: www.nea.org.np, Telephone Number: +977-01-4153051

- Involvement in feasibility study of Ratmate-Rasuwagadhi-Kerung 400kV Transmission Line Project.
- Involvement in design, layout and equipment selection for the proposed Trishuli 220/400 kV Substation.
- Collaborated with Millennium Challenge Corporation (MCC) regarding 400 kV bay extension of Ratmate 400 kV substation, Nuwakot.
- Environmental Impact Assessment (EIA) of Transmission Line Project.
- Budgeting, progress reports, presentations, coordinating with State Grid Corporation of China (SGCC).

### ❖ October 2014 – September 2016

- Preparation for Master's Degree Entrance Examination
- Started Master's Degree at Pashchimanchal Campus, IoE, Tribhuvan University from October 2015.

### ❖ Trade Link Inc. Pvt. Ltd., Kathmandu, Nepal

May 2014-Sept 2014

#### *Electrical Engineer*

Email: info@tradelinknp.com, Website: www.tradelinknp.com, Telephone Number: +977-01-4244408

- Coordinating import and installation of electromechanical equipment.
- Facilitating implementation of contract, liaising with clients, contractors, government agencies.
- Progress reports, budget and timeframe of electromechanical portion of projects,
- Collaborating with other engineers and professionals on cross-functional teams.

## LANGUAGES

Nepali – Native  
English – Proficient  
Hindi – Professional Working

## Computer Skills

Microsoft Office Package



C Programming, FORTRAN



MATLAB, AutoCAD 2D



Object Oriented  
Programming (C++)



Circuit Design Simulators  
(Proteus, Multisim)



## EDUCATION

### ❖ Master's Degree in Distributed Generation, Electrical Engineering

Nov 2015-May 2019

***Tribhuvan University, Institute of Engineering,***  
Pashchimanchal Campus, Pokhara, Nepal.

- Advanced Power Electronics,
- Digital Simulation and Analysis of Power System,
- Distribution System Planning & Management
- Power System Reliability,
- Grid Integration of Distributed Energy Resources,
- Applied Photovoltaic Systems,
- Power Supply Quality.

### ❖ Bachelor's Degree in Electrical Engineering

Nov 2009-Oct 2013

***Tribhuvan University, Institute of Engineering,***  
Kathmandu Engineering College, Kathmandu, Nepal.

- Electric Circuit Theory,
- Electric Machines,
- Control System,
- Instrumentation,
- Industrial Power Distribution & Illumination,
- Power Plant Design,
- Transmission & Distribution System Design,
- High Voltage Engineering,
- Switch Gear & Protection,
- Engineering Economics,
- Project Engineering.

## ACADEMIC PROJECTS

### ❖ Paper Presentation at seventh IOE Graduate Conference, (December, 2019).

<http://conference.ioe.edu.np/publications/ioegc2019-winter/IOEGC-2019-Winter-04.pdf>

### ❖ Post-graduate Thesis on *Battery Energy Storage System Optimization for Grid-Connected Wind-PV Hybrid System.*

### ❖ Post-graduate Project on *Compensation of Impacts of Distributed Generation Using Smart Grid Technology.*

### ❖ Under-graduate final year project on *Detection of Harmonics and Total Harmonic Distortion using Microcontroller.*

## MORE ABOUT ME

LinkedIn Profile



## TRAININGS/ WORKSHOPS

- ❖ **Online Seminar on Power Management and Interconnection Technology for Belt and Road Countries** April 2023  
National Research Institute for Rural Electrification, Ministry of Water Resources, China
- ❖ **Online Seminar on Rural Energy and Environment for Developing Countries** Dec 2022  
National Research Institute for Rural Electrification, Ministry of Water Resources, China
- ❖ **Online Seminar on Electrification Mode based on Clean Energy for Belt and Road Countries** June 2022  
National Research Institute for Rural Electrification, Ministry of Water Resources, China
- ❖ **Online Workshop on High-Quality, Sustainable, Resilient Power Grid for Green and Smart Living** Aug-Sep 2020  
XJTU-PolyU Silk Road International School of Engineering, China
- ❖ **Training on AutoCAD Basic (2D)** Dec 2018-Jan 2019  
NEA Training Center – Bhaktapur, Nepal
- ❖ **Training on MATLAB & Simulation** Dec 2016-Jan 2017  
Pashchimanchal Campus, Institute Of Engineering, TU – Pokhara, Nepal

## REFERENCES

- ❖ **Er. Komal Nath Atreya**  
Project Manager,  
Ratmate-Rasuwadhi-Kerung 400 kV Transmission Line Project, NEA  
komalatreya@gmail.com, +977-9841390193
- ❖ **Er. Suman Budhathoki**  
Chief Engineer, Trade Link Inc. Pvt. Ltd.  
budhathoki.suman412@gmail.com, +977-9841303031
- ❖ **Assoc. Prof. Er. Bhrigu Raj Bhattarai**  
Thesis Supervisor, MSc in Distributed Generation  
bhrigurajbhattarai@gmail.com, +977-9846027570