



**Kampali Usha Paul**  
B.Tech. - Electrical & Electronics Engineering  
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Akluj, Maharashtra, India -413101



## BRIEF SUMMARY

Skilled in designing, developing, and maintaining electrical systems and electronic devices. Proficient in circuit design, signal processing, embedded systems, and power distribution. Strong foundation in both hardware and software integration, with hands-on experience in troubleshooting, testing, and project implementation.

## KEY EXPERTISE

Good at my core concepts    Adaptable to any situations    Good in problem solving skills    Strategic Thinking    Innovative

## EDUCATION

### Ballari Institute of Technology and Management

B.Tech. - Electrical & Electronics Engineering | Percentage: 82.74 / 100

2022 - 2026

### Shri Vidyaniketan PU Collage, Ballari

12<sup>th</sup> | NCERT | Percentage: 85.5 / 100

2022

### Jijamata kanya Prashala Akluj

10<sup>th</sup> | State | Percentage: 86.80/ 100

2020

## PROJECTS

### Wind Powered Smart Street Light

Mentor: Prof. Parvathi | Team Size: 4

**Key Skills:** Wind Energy Conversion    Smart automation

I was the team leader for this project. Designed a cost-friendly, eco-friendly system utilizing a wind turbine (DC motor/generator) to capture wind energy and store power in rechargeable batteries for LED street lighting. Incorporated LDR sensors for automatic operation, ensuring activation only in low-light conditions (nighttime), cutting down power usage by 50%. Modeled a power distribution network with transformers and transmission structures to illustrate an adaptable setup for isolated areas. Integrated renewable energy collection, smart automation, and advanced power storage to present a sustainable solution for modern urban illumination.

## IMs

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## PERSONAL DETAILS

**Gender:** Female

**Marital Status:** Single

**Current Address:** Mahadevnagar, Akluj, Malshiras, Solapur, 413101

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**Date of Birth:** 23 May, 2004

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