# Priya Patel

## VISITING FACULTY

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📞 Phone: 7506375556

## PROFILE

With a strong foundation in Electronic and Telecommunication Engineering and a dedication to fostering an engaging and effective learning environment. Skilled in simplifying complex concepts and encouraging critical thinking among students. Eager to contribute to academic excellence by delivering well-structured lectures, assisting with course development, and supporting students in achieving their academic goals.

## EDUCATION

**Master of Engineering in Electronic and Telecommunication**
Institution: Terna Engineering College
*Year of Graduation: 2025*
*SEM I: 9.24      SEM II: 7.29*

**Bachelor of Engineering in Electronic and Telecommunication**
Institution: Saraswati College of Engineering
*Year of Graduation: 2021*
*CGPI:8.57      PERCENTAGE: 78.20%*

## RELEVANT SKILLS

- C
- Java
- Python
- Android Studio
- Proteus Software
- Raspberry pi

## RELEVANT COURSES

- Microsoft course on Security Fundamentals.
- Fundamentals of Python Programming

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Giriraj Horizon, Sector - 20, Kharghar, Navi Mumbai

## PROJECTS

**Advanced Accident Awareness System with Recue and Control Features**

Developed an advanced accident awareness system integrating geofencing-based location tracking and a hospital-code-based emergency response feature for enhanced safety. The application efficiently monitors accident-prone zones using CSV data and provides real-time alerts to users. It assists in locating nearby hospitals using Google Places API, ensuring quick emergency response. Additional safety features include seatbelt detection, alcohol detection to restrict vehicle operation, and drowsiness detection to alert drivers, creating a comprehensive, technology-driven solution for promoting road safety and responsible driving habits.

**Trash Collection and Sanitization Robot (Trashbot)**

Developed an automated trash collection and sanitization robot using Raspberry Pi 3 B+ to detect, collect, and segregate trash into metal, non-metal, and wet waste for proper disposal. Integrated an automatic sanitization sprayer to disinfect surroundings at regular intervals, ensuring a clean and bacteria-free environment. This innovative solution promotes efficient waste management and hygiene with minimal human intervention.

## PUBLICATION

Priya Patel. **Advanced Accident Awareness System with Recue and Control Features.** *Advance Research in Communication Engineering and its Innovations. e-ISSN: 3048-7099, Vol. 2, Issue 1 (January – April, 2025)*

Priya Patel. **Advanced Safety & Awareness System for Car Drivers.** *Journal of Electronics and Communication Systems. Volume-8, Issue-2 (May-August, 2023)*

Priya Patel et al. *Trash Collection and Sanitization Robot (Trashbot). Journal of Electronic Design Technology. Volume 12, Issue 1, 2021. DOI:10.37591/JoEDT*