

SOURABH YEJARE

A skilled Electronics and Telecommunication Engineer ready to drive innovation in a reputable organization. With committed ethics and integrity.



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AT/post Mugali, Kolhapur, Maharashtra

PROJECTS

• PID controller– A PID Control System for Inclination Control.

- 1.To enhance the stability and control of UAVs in dynamic settings, we employed a PID controller.
- 2.This interdisciplinary project merged mechanical and electronics engineering skills, utilizing the ATmega328p and an IMU sensor (accelerometer and gyroscope) connected through the I2C protocol.
- 3.Our solution achieved precise control over inclination angles, representing a notable advancement in UAV technology.

• Garbage segregation

- 1.An Arduino-based garbage segregation system was developed for the efficient sorting of dry and wet garbage.
- 2.The core of this system was the ATmega328P microcontroller.
- 3.Moisture sensors, servo motors, and IR sensors were integrated into the setup to facilitate the segregation process.

• Amended seed metring and Sowing machine

- 1.The project was initiated to address the challenges prevailing in traditional sowing methods within the agricultural sector.
- 2.Its primary objectives were to optimize the center of gravity, streamline mechanical components, and enhance the efficient utilization of seeds.
- 3.By achieving these goals, the project aimed to offer a cost-effective and innovative solution for modernizing agricultural practices.

TECHNICAL SKILLS

- Microcontroller (8051 & ARM LPC2148)
- Development boards (Arduino ATmega328p, STM32 Nucleo).
- Programming languages Embedded C, C, Python, data structures, OPPs.
- Communication protocols SPI, CAN,I2C
- Basic Electronics, Analog & digital circuits
- Automotive Electronics
- SDLC

ACADEMICS

B. Tech, Electronics and Telecommunication Engineering, (2020-2024)

Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur

CGPA:- 7.35 (Till 6th SEM)

HSC (XII), Maharashtra State Board (2018-2020)

Warana Vidyaniketan & Aabasaheb Patil Junior college of Science, Nave Pargaon

Percentage:- 71.54%

SSC (X), Maharashtra State Board (2017-2018)

Sou. Indumati English Medium School, Kapshi(Se)

Percentage:- 91.20%

EXTRA CURRICULAR

- INNOVATION CLUB (KITCOEK) Vice President
- ASSETS Club Coordinator
- Participated in Pioneer 2022-23 in national level project competition.

**Present
PIONEER 2023**

SOFT SKILLS

Strong Communication skills, organization, planning and time management skills along with Leadership traits, Team work & Emotional intelligence,

HOBBIES & INTERESTS

Graphic designing, UAVs, Avionics, TED talks, Music, Space exploration, Cars