



Rituka Ramesh Getme

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Linkedin Profile



EDUCATION

Program	Institution/Board	%/CGPA	Year
B.Tech (Electronics Engineering)	Walchand College of Engineering, Sangli	8.5	2022-26
Higher Secondary School Certificate(HSC)	Gandhigram College, Wardha	91.89	2020-22
Secondary School Certificate(SSC)	Ramabai Deshmukh Public School, Wardha	90	2019-20

INDUSTRIAL TRAINING AND EXPERIENCE

- Basic Mechatronics Training** May - June 2024
Guru Gobind Singh Foundation under Siemens Scholarship Program, Nashik Onsite
 - Learned about pneumatics, EMI diagram, sequential function chart, and displacement step diagram.
 - Implemented this on a 5-station pneumatic system and obtained hands-on experience with the automated manufacturing unit.
 - Learned Automation and PLC programming and designed a ladder diagram for society's water distribution system and so on.
- Basic Electrical and Mechanical Training** January 2024
Siemens Technical Academy STA, Mumbai Onsite
 - Trained for drilling, cutting, filling, and completed the workpiece.
 - Obtained hands-on experience on drilling machine, grinding machine, lathe machine and various marking tools
 - Implemented different types of switch-bulb connections, studied DC motor working and specifications, and designed hospital, tunnel, and godown wiring.

SKILLS AND TECHNOLOGY

- Programming Languages:** C, C++, Python(Basic), Assembly language (8051).
- Technologies And Tools :** Visual Studio Code, Keil uVision5, Arduino IDE, Solid Edge 2023, MATLAB R2023b, Proteus 8 Professional, CANVA.
- Technical Skills:** Digital Electronics, Microcontroller – 8051, LPC2138, Embedded C, Mechatronics (Basic), Data Structures And Algorithms, Front-end Web Developer, HTML, CSS.
- Soft Skills:** Problem-solving, Time Management, Leadership, Teamwork, Communication, and Adaptability.

PROJECTS

- Smart Energy Monitoring System**
 - The Smart Energy Monitoring System (SEMS) provides real-time data on energy consumption, allowing users to track and reduce their energy usage. By integrating sensors and wireless communication, it enables efficient monitoring and optimization of energy use.
 - Key Components: SCT-013 Non-Invasive AC Current Sensor Split Core Type Clamp Meter Sensor, ESP 32, LCD display, and AC Voltage Sensor Module ZMPT101B.
 - SEMS helps users reduce energy waste, lower bills, and manage energy more efficiently, promoting sustainability.
- S7- 400 Kit Transportation Design**
A 90-degree flip and rolling mechanism design is created as a solution for the transportation of the SIMATIC S7-400 kit.
 - Created a 90-degree flip and rolling mechanism design using Solid edge software for efficient transportation of a kit.
 - Designed all the mechanism parts including the wheel, kit base, etc., and assembled them.
 - Technology Used: Solid Edge Software.

ACHIEVEMENTS

- Completed the Expert level certification of Solid Edge. January 2024
- Siemens Scholar Batch - 10** Siemens Scholarship Program based on German Dual Education System 2022-2026
 - Top 200 students from India are selected based on their performance.
- Winner of **Smart India Hackathon 2023** - Team Hack4justice. December 2023

POSITION OF RESPONSIBILITY

- Program Director in IEEE WCE Students' Chapter.
- Assistant Curator in TEDx.
- Assistant Club Manager in WCE ART CIRCLE.
- Joint ARO & SMM in ELESa.

DECLARATION

I do hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Place: Sangli, Maharashtra (India)

(Rituka Ramesh Getme)