

CURRICULAM VITAE

MULE SHIRISH SURESH

At Post Kondi

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Career Objective:

To work in an organization where I can use my skills to achieve the organization objectives and get global exposure by enhancing my technical and communication skills and thereby represent the organization at a high level.

Qualification:

Exam	University	Year	Percentage
B.Ed	Dr. Babasaheb Ambedkar Marathwada	2020	71.35
SET	Savitribai Phule Pune	2019	Qualified
M.Sc. (Electronics)	Solapur University	2014	72.36
B.Sc. (Electronics)	Solapur University	2012	60.32
H.S.C	Pune Board	2009	64
S.S.C	Pune Board	2006	76.53

Experience:

Employer	Position	Date of Joining	Date of Leaving
Department of Electronics Solapur University, Solapur	Asst.Prof.	19 th July 2014	30 th Apr 2015
Department of Electronics Solapur University, Solapur	Asst.Prof.	3 rd July 2015	30 th Apr 2016
Department of Electronics Solapur University, Solapur	Asst.Prof.	4 th July 2016	30 th Apr 2017
RD Electrocircuits PVT LTD	Engineer	1 st Aug 2017	5 th Oct 2019
Department of Electronics Solapur University, Solapur	Asst.Prof.	17 th Nov 2020	31 st May 2021
Walchand College of Arts and Science, Solapur	Asst.Prof.	20 th Sep 2021	30 th Apr 2022

Technical Experience:

1. Vehicle Control Unit

Description: Developing this project for **Mahindra Truck and Bus**.

Responsibilities: Hardware Schematic Design and Hardware Testing.

Technologies Used: TMS320F77D, M8Q-01A (GPS Module), BTT6100-2EKA.

2. IOT Controller

Description: project for **Shaktiman Tractors**. IOT controller is a method of monitoring a vehicle. By combining a GPS system with on-board diagnostics.

Responsibilities: Hardware Schematic Design and Hardware Testing.

Technologies Used: PIC18F66K80, SIM7600E (GSM, GPS IC), BM70 (BLE IC), ADC, SPI.

3. Gear Positioning sensor

Description: Project for **FORCE MOTORS** Hall Effect Sensor used to detect the Gear position.

Responsibilities: Hardware schematic design and Hardware Testing.

Technologies Used: PIC16f1823, ATS341LSE (Sensor).

4. BS6 ECU

Description: BS6 ECU we are developing for **Bajaj, TVS, and Hero Motors vehicles**.

Responsibilities: Hardware schematic design and Hardware Testing.

Technologies Used: KAEZ12 series (Freescale Controller), TLE0808, SPI, ADC.

5. Flashers

Description: Different types of flashers developed for **ESCORTS, FORCE, TATA MOTORS**.

Responsibilities: Hardware schematic design and Hardware Testing.

Technologies Used: PIC16F1782, BTT6100-2EKA (Smart High-Side Power Switch).

6. Other Worked Projects:

1. USB Charger 2. RPM meter 3. Lift Axial Controller 4. Follow me Controller 5. Delay Timer

Academic Projects:

- Heart bit rate monitoring system using LabVIEW.
- Bidirectional visitor counter using 8051.

Academic Projects guided to M.Sc/B.Sc Student

- LPG gas leakage detection and alert system.
- A LabVIEW based system for sorting of ripening stages of banana.
- Automatic irrigation system using Arduino Microcontroller.
- Microcontroller 8051 based digital Thermometer and Humidity indicator.
- Automatic railway gate system using Microcontroller 8051.

Working Skill

- Experience in Electronics hardware circuit design for automotive Domain.
- Experience in preparation of all types of Electronics Test jig/test setup & fixtures.
- Knowledge of electronic processes and technologies for electronic manufacturing.

- Knowledge in all types of Electronics components and its usage in application.
- Knowledge in preparation of component level DFMEA.

4. List of paper published:

- 1. A LabVIEW based remote monitoring and controlling of wireless sensor node for LPG gas leakage detection**
LP Deshmukh, TH Mujawar, MS Kasbe, **SS Mule**, J Akhtar, NN Maldar
2016 International Symposium on Electronics and Smart Devices (ISESD), 115-120
- 2. A wireless electronic nose (WEN) for the detection and classification of fruits: A case study**
LP Deshmukh, MS Kasbe, TH Mujawar, **SS Mule**, AD Shaligram
2016 International Symposium on Electronics and Smart Devices (ISESD), 174-178
- 3. Microcontroller Based Blood Glucose Meter: Design and Development**
SS Mule, TH Mujawar, MS Kasbe, LP Deshmukh
International Journal of Engineering Sciences & Emerging Technologies, 234-239
- 4. Development of wireless gas sensing system for home safety**
TH Mujawar, MS Kasbe, **SS Mule**, LP Deshmukh
International Journal of Engineering Sciences & Emerging Technologies 8, 213-221
- 5. An advanced electronic nose (EN) system: Application to classification of tomato and mint**
MS Kasbe, TH Mujawar, **SS Mule**, P Prabhakar, AD Shaligram, ...
AIP Conference Proceedings 1989 (1), 020017
- 6. Online monitoring of WSN based air quality monitoring system**
TH Mujawar, MS Kasbe, **SS Mule**, LP Deshmukh
AIP Conference Proceedings 1989 (1), 020030
- 7. A novel approach for the quality monitoring of mint using an E-Nose system**
MS Kasbe, TH Mujawar, **SS Mule**, VD Bachuwar, AD Shaligram,
Indian Journal of Scientific Research, 191-197
- 8. A LabVIEW based system for sorting of ripening stages of banana**
V Kulkarni, B Chipade, MS Kasbe, **SS Mule**, TH Mujawar
Journal of Information Technology and Sciences
- 9. Development of Labview based Electronic Nose to determine the quality of food**
MS Kasbe, TH Mujawar, **SS Mule**, LP Deshmukh, AD Shaligram
International Journal of Engineering Sciences & Emerging Technologies
- 10. Design And Implementation of Wireless Gas Sensing System for Home Safety**
TH Mujawar, VD Bachuwar, MS Kasbe, **SS Mule**, LP Deshmukh

Other Activities:

- ISTE Term training program (STTP) on engineering physics conducted by IIT Bombay.
- Active participate member in two days workshop on PCB Design and Manufacturing.
- Active participate member in two days workshop on LabVIEW.

Skills Obtained:

Programming Language : Embedded C
Software Skills : LabVIEW, Proteus, Express PCB, ISE project Navigator, PSpice, MPLAB, μ -Vision Kiel, AVR Studio,

Declaration

I hereby declare that, the particulars mentioned above are correct up to the best of my Knowledge and belief.

Date:-

Place:- Solapur

Yours faithfully

(Mr. Mule S. S.)