

# MONISHA ELUMALAI

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## Academic History :

<b>M.Tech Sensor System Technology</b> (8.04) <i>Vellore Institute of Technology (University), Vellore</i>	2016
<b>B.E Electronics and Communication</b> (7.17) <i>Ganadipathy Tulsi's Jain Engineering College, Vellore</i>	2012
<b>HSc</b> (85.84%) <i>Sunbeam Matriculation Higher Secondary School, Katpadi</i>	2008
<b>SSLC</b> (83.73%) <i>Sunbeam Matriculation Higher Secondary School, Katpadi</i>	2006

## Skill Set:

**Languages:** C, C++, MATLAB, LABVIEW, EMBEDDED & LINUX, KEIL  $\mu$ VISION4.

**RDBMS :** MySQL, Oracle SQL & PL/SQL, MS Access

## Technical Exposure:

- Undergone In-plant training in BSNL, Vellore (Study of Communication Systems).
- Attended workshops in Anna University, Chennai (CEG), conducted by Cypress Semiconductors, Cranes Software & Force10 Networks.
- Undergone 1 month of training in ORACLE 11 G SQL & 2 months of training in ORACLE 11 G PLSQL at DTECH IT EDUCATION, BANGALORE.
- Participated in SET CONFERENCE held at VIT UNIVERSITY.

## Industrial Exposure:

- Undergone my thesis work in “**NANOMATERIALS & SENSOR SECTION**” at **IGCAR, KALPAKKAM (10 months)**.

## Achievement:

- Presented a paper in international conference conducted by “**NANO-15**” at KSR Institute for Engineering and Technology.
- Presented a paper in international conference conducted by “**ICNAN-16**” at Vellore Institute of Technology.

## Area of Interest:

- Electronics, Nanomaterials & Sensors

### **Academic Project During B.E. :**

**Project:** Photovoltaic antenna for autonomous wireless data acquisition systems

**Environment:** MP LAB IDE, KI CAD & Autonomous wireless Data acquisition Concepts.

### **Academic Project During M.TECH :**

**Project 1:** Foot Pressure Measurement Using Piezoelectric Sensor:

**Environment:** Piezoelectric sensor, Cathode Ray oscilloscope.

**Project 2:** Selective sensor materials to detect volatile vapours and gases:

**Environment:** Doping SnO<sub>2</sub>-Pd, UV, XRD, EDAX, SEM, Spin Coating, Gas sensing.

### **Thesis Work :**

**Project 2:** SnO<sub>2</sub>/CuO Nanoparticles to detect Toxic gases:

**Environment:** SnO<sub>2</sub> / CuO Synthesis, Raman Spectroscopy, FESEM, DC sputtering, Spin Coating, Gas sensing, Arduino Hardware & Software.

### **Personal Profile:**

**Father's name** : K.Elumalai  
**Mother's name** : E.Meena  
**Date of birth** : 18.02.1992  
**Sex** : Female  
**Nationality** : Indian  
**Languages known** : English, Tamil, German  
**Address** : 1/90, Main Road, Pattiyur Village, Annangudi Post,  
Katpadi Taluk, Tamilnadu, Vellore- 632202,India

### **Declaration:**

I hereby declare that above mentioned particulars are true to the best of my knowledge and belief.

(MONISHA.E)