

# MANIKAVEL V

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## Career Objective

To obtain a challenging position in an engineering environment where my resourceful knowledge and academic skills will add value to the organizational growth.

## Work Experience

**TSMT Technology India Pvt., Ltd., Mahindra City, Chengalpattu.** working as a **Team Leader** in **Manufacturing- SMT Department** from the period of Aug' 18 to till date.

### Roles and Responsibilities:

- Achieving daily targets provided by the production department.
- Daily defect analysis and trouble- shooting product issues.
- Team Handling and allocating works to subordinates.
- Maintaining 6S in Shop-floor and production lines.
- Analyzing the root cause for defective products and rectifying them.
- Monitoring the subordinate's work efficiency and process flow.
- Training and performance evaluation of subordinates.
- Material handling.

## Academic Credentials

### B. Tech (EEE)

Christ College of Engineering  
and Technology.(CGPA: 8.14)  
(2014- 2018)

### Higher Secondary

Seventh- Day Adventist Higher  
Secondary School, (66.5%)  
(2012- 2014)

### State Board of Secondary Education

Seventh- Day Adventist Higher  
Secondary School, (80.6%)  
(2011- 2012)

## Field of Interest

- DC-DC Boost Converters
- Solar Energy

## Software Skills

- Application Package : Matlab2013a, Proteus8, MikroC, PLECS, Arduino.
- Program Language : Basics of C & C++, Assembly Language.

## Certification

- Completed PG Diploma in Embedded System Design with A grade at AFL IT Academy. Puducherry.

## Projects

**Title** : DESIGN OF HIGH GAIN BOOST CONVERTER

**Description** : To yield maximum energy from the solar panel and supply load as Air conditioner using the High Gain Boost Converter. The power loss in interconnected PV modules can be significantly reduced by using MPPT and proposed converter. The proposed technique is also used to increase the high efficiency and to obtain high power density.

**Title** : EYE CONTROLLED ROBOTIC WHEEL CHAIR

**Description** : The main objective of the project is to develop a “ eye controlled ” wheel chair for the people whose body get paralyzed due to severe attack. So probably they cannot control the movement with the help of their hands. by this proposed model we can control the movement of wheelchair with their eye movement.

### **In- Plant Training**

- Five days In-plant training at 110/11-22 KV Marappalam Sub Station, MRT and SPM of ELECTRICITY DEPARTMENT, Puducherry.
- Five days In-plant training at North Chennai Thermal Power Station-1, TANGEDCO (TNEB), Chennai – 120.

### **Industrial Exposure**

- Industrial visit at Mettupalayam Sub Station, Mettupalayam, Puducherry.
- Industrial visit at Smart Grid maintenance center in Puducherry Electricity Board.

### **Academic Activities**

- Underwent workshop on MISSION UNO workshop held at SPREEE'16 a National Technical Symposium conducted by EEE Department of NIT Karaikal.
- Underwent workshop on Testing of Electronic Devices by Raja Electronic Services, Cuddalore.
- Attended two days Seminar on “Recent Trends in Hybrid Power Generation”, sponsored by CSIR and organized by EEE Department of Sri Manakula Vinayagar Institute of Technology, Puducherry, 2017.
- Attended IEEE Coimbatore Hub Congress cum India Strategic Initiative organized by IEEE Madras section student activities committee, IEEE young professionals and IEEE WIE, 2016.

### **Co-Curricular Activities**

- Member of State NSS Cell, Puducherry and have attended NSS Special Camp and also obtained ‘B’ Grade Certificate for successful training of two years.
- Participated in social events and also in NCC March Past for Independence Day parade.

### **Self Assesment**

- Smart Worker
- Dutiful
- Resilient

### **Hobbies**

- Gardening
- Cycling

### **Personal Details**

**Father’s Name** : Mr. Vinayagam G

**Mother’s Name** : Mrs. Amudha V

**Date of Birth** : 30/ 06/ 1997

**Languages known** : English, Tamil, Hindi (Beginner).

**Date** :

**Place** : Chennai

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