

VINOTH P

Contact: +91 9500135014, Chennai- India

E-mail: vino_amc2004@yahoo.com

CAREER OBJECTIVE:

To get an opportunity where I can make the best of my potential and contribute to the organization's growth. Seeking a position in a company where I can launch my career and build a valuable skill set.

CAREER HISTORY:

Total 12 years of experience in Electrical testing and development in various automotive companies.

- Igarashi Motors: DC Motors development - 2.3 years
- Tata Motors: E/E System Validation in Commercial vehicle - 1.8 years
- Renault Nissan: Harness test & Circuits - 8 years (**Worked in NISSAN TECHNICAL CENTER - JAPAN 10 Months**)
- Tata Consultancy: E/E System Validation – 0.1 year, **Working at Present**
- ❖ Japanese Language – Certified JLPT N5 and N4 study in progress

CORE SKILLS: Electrical study * Wiring harness test on vehicle and bench * Circuit Schematic creation * Vehicle diagnostic and Quality * Manual Circuit and test setup preparation * DC Motor proto build and Validation * Calibration * Environmental test * Electrical Lab * CANoe

1. TATA Consultancy Service - Chennai

Department : Electrical Systems, Feb 2023 – Working at Present.

Designation : Associate Consultant.

Responsibilities: E/E System Validation

- Electrical and Electronics component Validation on vehicle by using CANoe tool.
- Test case study and modification and Planning test Vehicle to execute the test.
- Test report and Concern report preparation for all the test cases.
- Vehicle electrical troubleshooting and analysis to identify the concerns.
- Good knowledge in test instruments and Data measurement (DL850 Scope, Power supply, etc.,)

2. RENAULT NISSAN MITSUBISHI Alliance - Chennai

Department : Product Engineering, Feb 2015 – Jan 2023.

Designation : Assistant Manager

Responsibilities: Wiring harness Test & Circuit Design:

Harness Test:

- Lead electrical harness test to meet the vehicle specifications (Electrical Function check, Fuse and Relay capacity check, Voltage drop check, Maxi fuse capacity check, Earth capacity check, short circuit check and analysis the measurement data and prepare test reports)
- Maintaining the Electrical test lab. Good knowledge in test instruments and Data measurement (DL850 Scope, Data logger, Shunt resistor, Current sensor, Electronics load, DC Power supply, Clamp on meter, multi-meter, Thermocouple and maintaining the calibration records)
- Develop tests procedures so that less experienced person may conduct the tests and capture data
- EE system component validation on part and vehicle level. (Motors, Lamps, horn, Control units.,)
- Study vehicle spec, electrical schematic and harness layout to select the vehicle grade for testing.
- Support to new proto vehicle build and rectify the concern and prepare concern report.
- Knowledge in vehicle diagnostics and troubleshooting using CAN during project build face.
- Project handled : Nissan –Kicks, Juke and Magnite, Datsun – Go and Go+

Harness Circuit Design:

- Interaction with EE Architect and component engineer to get the part information (Load details).
- Study electrical functions to Draw Circuit schematic by using cabling designer/ L Cable tool (Zuken)

- Experience in harness component Selection (Fuses, Relays, Terminals, Wires, Connectors)
- After harness design release visit supplier end to check drawing vs physical harness, Circuit, Quality.
- Technical Co-ordination with supplier for continuous improvement and cost reduction activity of harness.

3. TATA MOTORS LTD (Commercial vehicle business unit - Jamshedpur)

Department : Engineering Research Center (ERC), Apr 2013 – Feb 2015

Designation : Officer

Responsibilities: E/E System Validation

- Identify electrical concern on new proto vehicle(PDI) and share report to design team
- Vehicle and Bench level Testing of auto electrical components like Starter motor, wiper motor, Horn, Beeper, Relay, Flasher, switches, bulb, Instrument cluster, temperature sensor, air pressure transducer and do the test report)
- Testing of Wiring harness as per standard – Terminal voltage and fuse capacity check
- Horn installation test as per standard (dB measurement).
- Dipped beam headlamp leveling test and Head lamp installation test.
- Installation and validation of new components on vehicle as per and designer request.
- Project handled – Prima World truck , Army truck

4. IGARASHI MOTORS INDIA LTD (Chennai)

Department : Validation Lab (R&D), Dec 2010 – Apr 2013

Designation : Team Member

Responsibilities: DC Motors Test & development.

- Responsible to make proto build samples (PMDC motor) to meet supplier requirement.
- Electrical testing of PMDC motors & Environmental testing of auto parts and components.
- Failure mode analysis of field return motors & Report preparation.
- Maintaining good level of electrical test lab and Instruments.
- Testing of Starter motor, wiper motors, Blower motor and prepare test report.
- Electrical test setup preparation based on standards and new test requirement.
- Calibration of power supply, meters, timers & thermocouple and prepare reports.

EDUCATIONAL BACKGROUND:

- B.tech (Electrical & Electronics) in SRM university – Year 2019 (Secured 81% marks)
- Diploma (Electrical & Electronics) in RMK, in 2007. Year (Secured 94% marks)
- XIIth std (State board) in Boys higher secondary. Year 2004 (secured 68% marks.)
- Xth std. (State board) in Boys high school. Year 2002 (secured 60% marks)

PERSONAL INFORMATION:

DOB : 15th Apr 1987

Language : Tamil, English, Hindi, Japanese

Address : No 5 Rose Ramalingam street, Kundrathur, Chennai - 600069, India.

I hereby declare that the information given above is true to the best of my knowledge.

Place: Chennai

Date: 18-04-2023

Yours Truly,

Vinoth P