VENKATESH KAMMAMPATI

Sr. Control Function Developer

Email **:** venkatesh.kammampati8@gmail.com

Mobile **:** +91- 897 8897 586

PROFESSIONAL SUMMARY:

- ➢ 4 years of experience in System Engineering on development of Vehicle stability control functions in Braking systems.
- ➢ 2 Months at Germany- Vehicle test, fine tuning algorithms & workshop with stakeholders.
- ➢ Responsible for customizing EMEA products to Indian market.
- ➢ Worked with the System, Software & Testing team globally on commissioning products.

EXPERIENCE

WABCO INDIA LTD- Chennai   April 2016 - Current (~4years)
Major Responsibilities   System Developer Function

Analysing use-cases/ stakeholder Requirements thus developing System design.

Designs and optimizes multiple system performance goals through requirements flow down.

Developing Test strategy, Test cases, execution of test cases in test bench.

Vehicle test for function performance/ fine tuning.

Aligning projects with cross functional teams, creation of Problem Reports/ Change Requests.

PROJECTS

Trailer Electronic Braking System: Braking system of Trailer via electronic communication,which equip functions ABS, RSS & ECAS.

Developed L2- Requirements, Test specification & Verification of functions:

Lift axle control, Axle load , Brake release, Steering axle lock, Brake lining wear & Immobilizer etc.

eTASC_RSD: To provide advanced electronic control of air suspensions with full manual over- ride of Trailer chassis lift/lower.

Developed Requirements, test specification & Vehicle testing.

Developed **Simulink model**, **MIL test** with Vehicle measurements to fine tune algorithm.

OptiTire (TPMS): Tire Pressure Monitoring System for CV's.

Customizing EMEA product RF sensors to Indian market. Aligning with supplier on Requirements clarification & Validation of prototype.

SmartBoard: HMI device to communicate with Braking ECU for Controlling & receiving function status.

Designed User-friendly Mockups and reviews with the Marketing team.

Worked on Requirement creation & Test strategy.

L2- Lead activities: Worked with Cross functional team Marketing, TPJM, Gate- reviews, release planning & A-SPICE Audits.

Data analysis- Developed an excel based tool for analysing Trailer Telematic data (Remote diagnosing).

SKILLS

Good Knowledge and experience in Vehicle Dynamic Control functions.

Experience on end to end Function Development- Requirements elicitation to System Release.

Expertise in System Requirements design w.r.t ISO 26262.

Working knowledge on software development process ASPICE.

Knowledge on HARA, FMEA & FTA

Experience on Model based system development (MATLAB- Simulink design & MIL test).

Excel- VBA, C-programming concepts & CAPL script.

QR6S yellow belt certified.

TOOLS

Profound experience in using Data acquisition tools: CANalyzer & CANape.

WABCO Tools: UDT & PC diagnostics.

PTC integrity- Requirements & configuration management.

EDUCATION

PG- Diploma in Embedded Systems & Design.

Aug 2015 **-** Feb 2016, C-DAC_ Hyderabad.

Electronics & Communication Engineering (B.Tech)

2010 **-**14, Vidya Jyothi Institute of Technology_Hyderabad.

HOBBIES & ACTIVITIES

Badminton, Foosball & Table tennis.

Member of Employee engagement Committee.

PERSONAL DETAILS

DOB: 12th August 1993.

Permanent Address:

H.No:1-151,Chirragudur, Addagudur, Yadadri Bhongiri,Telangana **-** 508277.

Languages **-** English, Hindi, Telugu & Tamil.