GUDLAVALLERU ENGINEERING COLLEGE SESHADRI RAO KNOWLEDGE VILLAGE::GUDLAVALLERRU DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING CIRCULAR

Date: 17-06-2021

The Department of EEE is organizing a Awareness Program on "Opportunities on the CORE side in UK" by Mrs. K.SINDHU Senior Infotainment project Engineer in McLaren company in London, from 2.00 P.M to 4.00 P.M on 19-6-2021 to IV -B. Tech Students in association with IE Student Chapter. Hence all the students are informed to attend without fail. The attendance will be monitored.

Online Platform: Microsoft Teams.

Time: 2.00 P.M to 4.00 P.M

(Dr. B.DASU)

HOD

Contact sindhu953@gmail.com www.linkedin.com/in/sindhurakasaraneni-04204174 (LinkedIn) Top Skills Microsoft Office Research C

Sindhura Kasaraneni

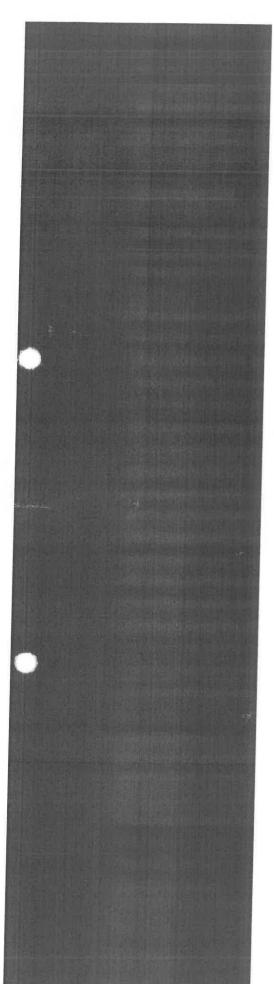
Software Integration Test Engineer at McLaren Automotive Ltd Woking, England, United Kingdom

Summary

7 years of experience in Automotive OEM Industry as development, integration & testing of Electronic Control Units for EE systems with rich Automotive domain experience in Electronic Controls Systems and Automotive EE Architectures.

Key Skills:

- End to End design, development and testing of Body, ADAS, Driver displays and Comfort systems
- HIL simulation, integration & testing of various ECU's/vehicle functions (like Body control module, Instrument Cluster, Infotainment, Tire Pressure Monitoring System, Immobilizer, Remote/Passive Keyless Entry systems and Diesel engine features etc..) on HIL test bench environment & prototype, validation vehicles
- Development of Automation scripts to execute on Hardware-in-loop rig using CAPL in vTest Studio
- Sound knowledge in automotive protocols, e.g. Ethernet, CAN, LIN, DoIP, XCP over Ethernet, UDS and KWP and its testing methodologies
- Experience in IBM Rational DOORS 9.6 for test requirements design and management
- Rich experience in automotive network analysis tools like CANalyzer, CANoe, CANdela Studio, Canape, CANStress, vTEST Studio, TAE, CANoe Standalone and RT modules, ETAS calibration tools (INCA, ES581, ES590), Monaco for diagnostics
- Experience of Automation Desk, Control desk in dSPACE HiL system environment
- Experience in DFMEA, functional safety, DVP activities, network communication, diagnostics
- Knowledge of Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC), V-model processes and is a certified DFMEA, ISTQB-FL professional
- Experience in White Box (Unit, Module & SW Integration Testing) and Black Box Testing (System testing (Functional and Nonfunctional)



- Knowledge of Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC), V-model processes and is a certified DFMEA, ISTQB-FL professional

Experience

McLaren Automotive Ltd Software Integration Test Engineer January 2016 - Present (7 years 5 months)

Woking, United Kingdom

The scope of the project is to perform verification and validation of all Electronic Control Modules software for vehicle functions, distributed functions, diagnostics module and fail-safe reactions on LabCar using HIL rig (dSPACE) Responsibilities Handling –

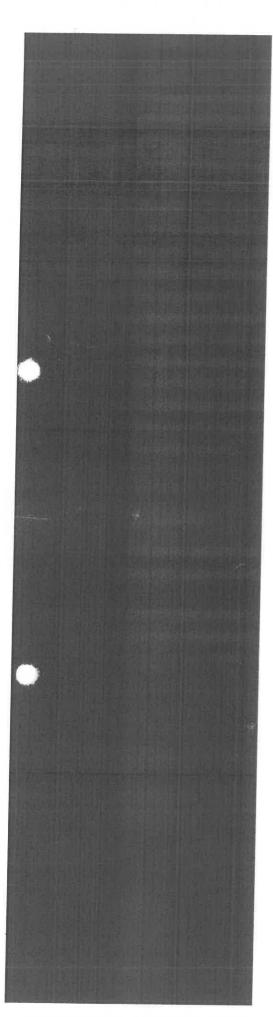
- Test case design for Functional, Non-Functional, diagnostics, fail-safe and EOL testing for Body, Powertrain and Hybrid distributed functions
- Test requirements design to capture, link, trace, analyze and reporting using IBM Rations DOORS
- Automation scripts development to execute on Hardware-in-loop rig using CAPL in vTest Studio
- Integration level, Networking, Flashing and Diagnostics testing on LabCar using dSpace HiL simulation systems
- Perform and Monitor the Manual & Automation test execution on LabCar using HiL systems and review the automation test reports
- Dynamic tests on validation vehicles and Commissioning of vehicles
- Analyze the test results, derive the root cause of the failures and release the test reports to the respective system engineers
- Defects entry and closure in defect tracking management tool

Tech Mahindra Senior Software Test Engineer January 2016 - Present (7 years 5 months)

woking,united kingdom

Working as Senior Software Test Engineer for Client Mclaren Automotive Ltd.

Mahindra Rise Senior Engineer August 2013 - January 2016 (2 years 6 months) Chennai, Tamil Nadu, India



The scope of the project is to develop/write specifications document for developing the Body Control Module features like Interior & Exterior Lighting, Ignition Control, Washer and Wiper functionality, etc. and Door Control module Responsibilities Handled -

- End to End system design of Body control module features and Door control module
- Development of software requirement specification in DOORS for Body control module and Door latch module
- Perform DFMEA, functional safety, DVP activities, network communication and diagnostics
- Design and Development of Test cases for Functional, Non-Functional and Diagnostics Testing as per requirements
- Calibration of Diagnostic Trouble Codes, freeze-frame and environmental parameters in BCM & Door Control module ECU's
- Supplier and their deliverables management
- Support in the resolution of RCA and closure of the defects in Prototype and Validation vehicles

Education

National Institute of Technology, Tiruchirappalli Master's degree, Electrical and Electronics Engineering · (2011 - 2013)

Jawaharlal Nehru Technological University, Kakinada Bachelor of Engineering (B.E.), Electrical and Electronics Engineering · (2007 - 2011)

Meeting Summary Total Number of Participants Meeting Title Meeting Start Time	81 General		
Meeting Title Meeting Start Time			
Meeting Start Time	General		
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Meeting End Time	6/19/2021, 3:00:18 PM		
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Full Name	Join Time Leave Time		userPrincipalNar Role
B. Rama Krishna	6/19/2021, 1:38 6/19/2021, 3:00:1		
18485A0207	6/19/2021, 1:43 6/19/2021, 2:21:3		
18485A0240	6/19/2021, 1:44 6/19/2021, 2:59:1		18485A0240@gr Present
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17481A0291	6/19/2021, 1:46 6/19/2021, 2:59:2		17481A0291@gi Present
17481A0218	6/19/2021, 1:46 6/19/2021, 2:08:5		
17481A0218	6/19/2021, 2:11 6/19/2021, 2:59:3		
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17481A0266	6/19/2021, 1:53 6/19/2021, 3:00:1		17481A0266@gr Attende
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17481A02A2	6/19/2021, 1:56 6/19/2021, 2:59:0	3 1h 2m	17481A02A2@g Presente
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17481A0217	6/19/2021, 1:58 6/19/2021, 2:29:4	30m 59s	17481A0217@ge Presente
18485A0233	6/19/2021, 1:58 6/19/2021, 2:59:08	3 1h	18485A0233@gc Presente
kbc	6/19/2021, 1:59 6/19/2021, 1:59:59		Presente
sindhu (Guest)	6/19/2021, 2:02 6/19/2021, 2:59:13		Presente

PROGRAM REPORT

Name of the Program

: A one day guest lecture on "Opportunities on the core side in UK"

Dates

: 19th June 2021

Details of the Resource Person

: Mrs.K.Sindhu,

Senior Infotainment Project Engineer, McLaren, London

Phone number: +447587650973

Objective of the Program:

- To highlight the range of career opportunities available in the field of electrical engineering in the UK, including both technical and non-technical roles.
- To discuss the key skills and competencies that are required to succeed in the field of electrical engineering in the UK, such as problem-solving, communication, teamwork, and adaptability.

Outcomes of the Program:

- Greater knowledge of the range of career opportunities available in the field of electrical engineering in the UK, and the skills and competencies required to succeed in these roles.
- Enhanced awareness of the education and training pathways available to enter and progress in the field of electrical engineering in the UK, as well as the importance of ongoing professional development and industry certifications.

No. of Participants

: 81

Concluding Remarks

: The speaker also discussed the importance of staying up-to-date with the latest developments and trends in the field, highlighting the need for ongoing professional development and education. Finally, the speaker emphasized the importance of networking and building connections within the industry to maximize career opportunities.

Coordinator

HoD, EEE





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Awareness Program on "Opportunities on the CORE side in UK" (19-06-2021)





The Department of EEE is organizing an Awareness Program on "Opportunities on the CORE side in UK" by Mrs. K.SINDHU Senior Infotainment project Engineer in McLaren company in London, from 2.00 P.M to 4.00 P.M on 19-6-2021 to IV - B. Tech Students in association with IE Student Chapter. This event was coordinated by the faculty member Sri.B.Rama Krishna. In this pandemic situation for inspiring the young engineers produced in our organization the Awareness Program was conducted through online mode in Microsoft Teams platform. Around 81 members of and IVth B.Tech attended the Awareness Program with the topic. Students had taken part enthusiastically and inter acted well. The students are enlightened by the lecture delivered on Opportunities on the CORE side in UK and it will help them to excel in their future studies and job opportunities in UK.

Coordinator

Sri.B.Rama Krishna

HOD - EEE

Dr.B.DASU