

Upendra Vishnu Kulkarni

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Objective:

Always perform towards growth of organization with knowledge, skills, experience and persistence in work.

Educational Qualification-Branch: Electronics and Telecommunication

Degree/ Exam	University/ School/College	Name of the Institute / Board	Semester /Year	CGPA/ Percentage
ME	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad.	MGM's Jawaharlal Nehru Engineering College, Aurangabad	IV	8.25
B.Tech	Swami Ramanand Tirth Marathwada University, Nanded.	Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded.	VIII	5.85
HSC	Rajarshi Shahu Mahavidyalaya, Latur.	Latur	2008	76.17
SSC	Shri Keshavraj Vidyalaya, Latur.	Latur	2006	90.00

Work Experience:

Designation	Complus Systems Pvt Ltd, Bangalore	Key Responsibilities:	Duration
Application/ Resident Engineer	EMC Tech Centre; Complus Systems Pvt Ltd, Ahilyadevinagar	➤ Maintenance & Service of Testing Equipment ➤ Preparing Calibration & Service reports ➤ EMI/EMC setup, testing & evaluation ➤ Making test reports of EUT	01/07/2016 to 31/07/2018

Application-Service Engineer	Head Office; Complus Systems Pvt Ltd, Bangalore.	➤ Installations of Semi Anechoic Chamber, Test systems & test bench at customer site ➤ Diagnosis & assessment of Problems regarding test equipment and test setups ➤ Service & Calibration of test Equipments ➤ Preparing Service & calibration reports	01/08/2018 to 27/05/2019
Engineer-System Engineering	SEDEMAC Mechatronics Pvt. Ltd. Pune	➤ Engine Tuning using E-Governors B12 ECU ➤ Development of Genset Controller Units 1K series & 2K series GCUs ➤ Genset Governing assembly (ECU-GCU+ Actuators + linkages) ➤ Off Highway Applications (OHA) products development ➤ EMI EMC & Environmental Validation of OHA products ➤ RCA of OHA products ➤ DFMEA individual subsystems or units ➤ Development of GUI / Flashing utility thorough Software team & its testing	04/11/2019 to 09/01/2025
Assistant Professor	Vilasrao Deshmukh Foundation, Group of Institutions, Latur	➤ Teaching syllabus and conducting practicals in the department of Electronics & Telecommunication Engineering	01/08/2025 onwards

Job Profile:

- Preparation of supporting analysis and simulation, formulation of test plans, planning of proper resources and facilities, execution of compliance tests, and preparation of the technical material for the final report.
- Upgrading the EMC lab capabilities, including the design and documentation (e.g. writing EMC test procedures/plans.
- Assisting as required in performing EMC qualifications & various lab related activities, preparing qualification test reports.
- Quality & Safety of Lab Installations, Test setup systems to assure safety in Test environment by taking precautionary steps.

Application-Service Skillset:

Able to operate and service: -

- Solid State & TWT Amplifiers from AR rf/Microwave instrumentation USA
- Simulators and Generators from EMTEST/TESEQ/AMETEK Switzerland
- AVL Chassis Dyno from AVL, Dome & tripod mount Camera Systems & Fiber optic & LAN network Systems, VESDA fire alarm systems
- GPIB related systems installation and troubleshooting with NI 140A/ A/2 GPIB extenders along with RS232 and USB interfaces
- Also able to maintain Anechoic Chamber and Shielded Control rooms for absorbers, doors and pneumatic assembly, E& H Field Generator, pneumatic assembly, E& H Field Generator Assembly

Software Skillset:

- Programming Languages : C,C++,8085 and 8051 Assembly, Embedded C
- Known Operating Systems: Windows, Linux
- Engineering Packages : LabVIEW, Cadence Spectre, MATLAB, Keil
- EMI/EMC packages: emcware for Immunity from Amplifier Research, Zollner for Dyno from AVL ,iso.control, esd.control, iec.control from EMTEST
- PMM NARDA Emission & Immunity Suites and Field monitoring for testing
- pCAN Analyzer ,CodeWarrior,B12-ConfigTool,ECU flasher

Project Experience:

Mini-Project:

- Automated Home Security System using 8051 Microcontroller
- Microwave Integrated Circuit (LNA) Design using Cadence Spectre-VLSI Design Tool

Major Project:

- Wireless Image Transfer using LPC2148 (ARM7) Embedded System
- Distributed Smart Grid Implementation for Biomedical Applications (Platform: LabVIEW using NI-myDAQ device from National Instruments)
- Two Technical papers published in International Journal & Conferences.

Extra-Curricular Activities :

Robo-War in Robotics, Director's Desk in Krishi Pragya, Workshop on 'Sustainable Leadership' by GREEN ADD +, Exhibitor in INCEMIC 2016 & 2018, visits to IMTEX, AEROEXPO, AutoEXPO exhibitions.

Interests & current learnings:

Reading articles, System Designs & programming with CAD & Simulations suites

Place: Latur

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