

STUDENT CODE: AG123424101

Sr Engineer

ABOUT ME

A focused professional with 12+ years of experience in Electronics Warfare System (COMMINT), RF System and Broadband Optical Fiber System, Government Project Execution and Implementation

WORK EXPERIENCE

Bharat Electronics Ltd, Sr. Engineer (Bathinda, Punjab)

Aug 2016 – Present

- Leading and co-coordinating the BEL-POC team for technical and ground support for the EW System for defense users.
- It involves managing support operations, guiding the team to meet service level agreements, and collaborating with other departments and vendors to fulfill user requirement and expectation.
- Responsible for ground application, testing, and demonstration of direction finding, integration, and jamming to the user for ESM and ECM subsystems.
- To execute the testing and troubleshooting of Antenna and Communication Intelligence (COMMINT) receivers and their modules using test jigs and simulators.
- To conduct jamming trials and test and troubleshoot high-power jamming systems (VHF and UHF bands) and their sub-systems (antenna, antenna switch, PAs, exciter) using equipment like power meter, signal generator, VSWR meter, etc.
- To carry out Preventive Maintenance, Fault Diagnosis, Quality Management and Rectification on system and modules levels for EW System and its subsystem.
- Liaison between BEL and customers for services, supply of spares, and product support-related activities.

Broadcast Engineering Consultants India Ltd, Technical Officer

Jan 2014 – Aug 2016

- Setting up technical standard, validation of compliance statements and test reports of equipment of FM community radio station to adhere the benchmark of guidelines laid by Ministry of I&B.
- Field visit for Compliance checking and Verification of community radio station's equipment benchmark and specification.
- Technical and Financial evaluation of project under consideration at PMU-CRS min. of I&B for financial assistance of FM community radio station.

Giant Metrewave Radio Telescope, Graduate Trainee

May 2012 – Jan 2014

- RF system and components testing, characterization, development and installation
- RF testing of GMRT system which include Power level, SNR, Noise floor, Link budget, SFDR
- RF component like Amplifier, Directional Coupler, Power Splitter and RF attenuator testing and Characterization
- Broadband optical fiber communication system testing, characterization, development and installation
- Radio frequency interference testing, Data acquisition, Optical monitoring system, PCB Design.

EDUCATION

eMasters Degree in Communication System

2023

Indian Institute of Technology (IIT), Kanpur, India

Bachelor of Engineering

2007-2011

Institute of Technology, Guru Ghasidas Vishwavidyalaya
(A Central University), Bilaspur

Class 12

2007

Sarashwati Shishu Mandir, Bilaspur

Class 10

2005

Sarashwati Shishu Mandir, Bilaspur

TRAININGS/ PROJECTS

- A low-cost setup for isolation testing for Radio Frequency Interference (RFI) Shielded enclosure 2013
- Performance of Broadband Analog Fiber optic link for GMRT Upgrade 2012
- SNR degradation of optical fiber system with distance 2012
- Foreign Attack Alert system using microcontroller as final year engineering project. 2011

SKILLS

Expertise on Instruments and software

- Network analyzer, spectrum analyzer, signal generator, optical Power meter, thermal stability chamber, OTDR, Cable antenna tester and Noise figure meter.
- Python, MATLAB, Python, HFSS, Altium, ADS, LabView, C Programming, MS-Office word, MS-excel, MS-PPT, Windows OS

INTEREST

- Reading Newspaper
- Cricket

PERSONAL PROFILE

- **AGE:** 34 yrs (as of 05th September, 2024)
- **Languages Known:** English, Hindi
- **Gender:** Male
- **Nationality:** Indian
- **Marital Status:** Married
- **Annual Current Salary Range (In Lakhs):** 15 LPA