

Sameer Ansaari

Ph. No. +91-9582276146

Email id: sameeransaari@gmail.com

J-4/6, Khirki Extension, Malviya Nagar

Delhi-17



OBJECTIVE:

Aspiring for a bright future and career enriching opportunity by joining a reputed and growing organization so that I can be professionally and financially strong and will be performing for the betterment of the organisation and my motherland.

EXPERIENCE:

Working as a **Researcher at SSPL, DRDO** since Nov 9th, 2021.

- **Designing GaN based HEMT structures (LN6 & LN7) using Silvaco Atlas Simulator.**
- **Thermal, Power, Breakdown, AC and DC analysis of the designed GaN HEMT structures.**
- **Optimization of the designed GaN HEMT structures.**
- Calibration of the device according to the measurement data.
- **DC and Pulse IV measurements are done on the designed GaN HEMT structures.**

Worked at **VVDN Technologies** as an **RF Engineer** from May 11th, 2020 to Oct 26th, 2021.

- **Massive MIMO 64Tx/64Rx 5G NR Project for CBR5 Band:**
- **Designing RF block.**
- **Selection of suitable RF parts** such as PA, BPF, Coupler, Circulator, LNA, SPDT, Attenuator etc.
- **RF Link Budget analysis** for Tx, Rx, ORx and VSWR paths.
- **Designing VSWR Measurement Circuit.**
- Testing of Eval Boards of **PAs (Macom, Qorvo, NXP)**
- Raising the requests for the quotes and managing procurement activities of the RF parts samples.
- Creating the BoM for all the RF parts and BoM optimization.
- **5G Small Cell Project:**
- Designing **5G Small Cells Indoor, Outdoor and Macro.**
- **RF Link Budget analysis** for Tx, Rx, ORx and VSWR paths.
- **Selection of the suitable parts for 5G Small Cells.**
- Raising the requests for the quotes and creating the BoM for RF parts and BoM optimization.
- Testing of Eval Boards of **PAs (Qorvo, NXP) and MIMO Transceivers (Qorvo & ADI).**
- **Concealed Weapon Detector Bollard Project:**
- Conducted **High level Conduction Test and Radiation Test** on the system.
- **Measurements of Channel power is done and Spectrum is captured and analysed on SA.**
- **Conducted OTA Test on the system in Anechoic Chamber and Open Environment.**
- **Measurements of S11, VSWR and Insertion Loss of multiple types of antennae and passive components along with isolation among different antennae on VNA.**

Worked at **APC Technologies** as a **Field Application Engineer** from July 29th, 2019 to March 18th, 2020.

- **Demonstration and testing of the active and passive RF components** to our clients.
- Technical support service to customers from organisations like **DRDO, ISRO, BEL, HAL, SAMEER** etc.
- Assisting in the designing of the **PA modules, TRMs, antenna** etc.
- Discussing technical queries with our vendors like **CREE-US, IPP-US, Radiometrix-UK, RFHIC, RFcore.**

EDUCATION:

Qualification	Specialization	Institution	University/ Board	Year of Passing	Percentage scored
M.Tech	Microwave Electronics	Department of Electronic Science	South Campus, Delhi University	2019	63.22
B.Tech	Electronics and Communication	Roorkee Institute of Technology	Uttarakhand Technical University	2015	65
Intermediate	Science Stream (PCM)	Beverly Hills	CBSE	2010	82.12
High School	As per syllabus	S.G.R.R Public School	CBSE	2008	78

INTERNSHIPS:

Firm's Name	Type of Training	Year	Duration	Grade Scored
Solid State Physical Laboratory (DRDO)	Designing of a Generalized Chebyshev Low Pass Filter Using Suspended Stripline	Jan' 2019-May' 2019	5 months	GOOD
Bharat Heavy Electricals Limited, Haridwar	CNC Machine Drive and PLC (CNC BL-1)	June' 2014-July' 2014	30 Days	VERY GOOD
Appin Technology Lab	Embedded Systems & Robotics	June' 2013-July' 2013	45 Days	B

AWARDS & ACHIEVEMENTS:

- Qualified **GATE 2021** in EC.
- Qualified **UGC-NET** for Assistant Professor.
- Awarded **merit scholarship** by **University of Delhi** considering **Entrance Exam result**.
- **First Runner up in Debate Competition** held in Roorkee Institute of Technology.

WORKSHOPS:

- Participated in Technical Workshop on **Designing in HFSS** at **IIT Delhi**.
- Participated in Technical Workshop on **Designing in ADS** at **IIT Delhi**.
- Participated in Technical Workshop on **Embedded Systems**, organised by CETPA InfoTech.
- Participated in Technical Workshop on **Python & MATLAB**, organised by CETPA InfoTech.

INDUSTRY PROJECTS:

- Designing of **Generalized Chebyshev Low Pass Filter** using **Suspended Stripline** at **SSPL (DRDO)**.
- Designed the lumped component circuitry on **ADS** and distributed element network on **HFSS**.
- **MATLAB** programs were written to calculate the lumped components values and dimensions of the stubs.
- Designing of a **Microstrip Patch Antenna with inset feed** at **10 GHz** on **HFSS**.
- Designing of a **Lange Coupler** at **5 GHz** frequency on **ADS**.
- Learned about the "**INTRODUCTION OF CNC MACHINE**" at **BHEL**, Haridwar.

- Final year project on “**Radio Frequency Based Home Appliances Control**”.

SKILLS:

- Knowledge of **HFSS, ADS, CST, QUCS, Python, MATLAB**.
- Competent in handling **Spectrum Analyser, VNA, Signal Generator** etc.
- Computer: Certificate holder in MS Office (MS Word, MS PowerPoint, MS Excel, MS Access) • Exposure in Web Designing (HTML), C and C++.

PERSONAL SKILLS:

- Good interpersonal and communication skills.
- Leadership quality with friendly attitude.
- Everready with a positive attitude in learning and performing new tasks.

EXTRA-CURRICULAR ACTIVITIES:

- **Theatre artist at Dramaturgy and Antraal Theatre Group.**
- **Anchored Teachers’ Day event & Alumni Meet event** at DOES, South Campus, DU.
- **Anchored Cultural Fest** Anugoonj 2013 at Roorkee Institute of Technology.
- **Core Organising Committee member of Cultural Fest** Anugoonj 2015 at Roorkee Institute of Technology.
- **Walked on the Ramp** in Anugoonj 2012 at Roorkee Institute of Technology.
- **Winner of the Typing Competition** in Anugoonj 2015 at Roorkee Institute of Technology.
- Actively participated in **College’s Election** at graduate and post graduate levels.

HOBBIES AND INTERESTS:

Hobbies:

- Travelling and visiting new places.
- Reading

Interests:

- Social works
- Leading a group or an Institute.

PERSONAL DETAILS:

Father’s Name	:	Mr. R.A. Ansaari
Marital Status	:	Unmarried
Gender	:	Male

DECLARATION:

I hereby declare that the information mentioned above is correct to the best of my knowledge and I bear the responsibility for any sort of inconvenience over the mentioned particulars.

Place: Delhi

Sameer Ansaari