



SYEDA RABIYA UB

PROFILE

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Passport No.: J2230261 **Expiry Date:** 13/12/2020

ACADEMIC CREDENTIALS

Qualifications	Board/University	Year
SSC(General Studies)	BSE- St.Theresas Girls High School	2000
IPE(Mathematics.Physics,Chemistry)	BIE- Gauthami Junior College	2002
B.Tech(Electronics & Communication Engg)	JNTU-Hi-Tech College of Engg & Tech	2006
M.E(Microwave & Radar Engg)- ECE	OU-University College of Engg	2010

TECHNICAL SKILLS

Operating System: Windows 98/NT/2000/7, Linux- Fedora

Languages : C, VHDL, MATLAB

Design Tools

Antenna Design Softwares –GRASP 9, SABOR, PCAAD, HFSS, Altair -FEKO, COMSOL

Electromagnetic Softwares- ADS

NDT Software - RADAN

PCB Software -, ECAD (Multisim), OrCAD-Cadence

GPS Software-GAMIT/GLOBK, GMT

Micro-Processor/Micro-controller: Intel 8086, Intel 8051, ARM Cortex M4

EXPERIENCE RECITAL

- Worked as **Engineer** in **Bharat Dynamics Limited, Ministry of Defense** from **8th January 2016** to **11th December 2018**.

Nature of work:

Design and testing of RF communication systems for weapon system where it involves RF Rx and RF Tx and Antenna. The simulation has been done for different types of antenna – Helical, Horn, Patch and Patch array at X and S frequency bands. Validation of RF Weapon system at X band frequency. The weapon system test equipment where it involves ARM Cortex M4 processor with PCBs used for command generation, battery management. Preparation of design documents, ATP, QTP, User manuals and compliance of test reports

- **Scientist (Fellow)** in **Council of Scientific and Industrial Research —National Geophysical Research Institute, Ministry of Earth Sciences** from **14th November 2011- 13th November 2014**.

Nature of work:

Installation of campaign and permanent GPS stations, GPS Data Processing using GAMIT/GLOBK software and GMT. Testing of GPS Receiver, Meteorological sensor, Ionospheric TEC studies using GPS measurements for Indian Ocean Earthquakes. Testing of Ground Penetration Radar.

- Continuation of **research work on GPS** from **January 2015 –December 2015**.
- **PAT** in **Cognizant Technology Solutions** from **27th January 2011** to **20th May 2011**.

Nature of work:

Testing Tools- Load Runner for testing applications and system behavior.

- **Assistant Professor** in **Vidya Vikas Institute of Technology** from **July 3rd 2006** to **May 31st 2007**.
- **Assistant Professor** in **CMR Institute of Technology** from **July 2nd 2007** to **August 31st 2008**.
- **Guest faculty** in **Muffakam Jah College of Engineering and Technology** from **8th September 2011** to **31st October 2011**.

Nature of work:

- Teaching and handling labs and monitoring projects.
- **Project Intern** in **Astra Microwave Products Limited** from **2nd July 2009** to **20th August 2010**.
- **Project Intern** in **Bharat Heavy Electricals Limited** from **Dec 2005** to **Feb 2006**.

PAPERS PUBLISHED/COMMUNICATED

- **U.B. Syeda Rabiya, D. Ramakrishna, C.Prameelamma and V.M Pandari Pande, "Design & Development of 18 GHz Reflector Antenna for Microwave Point To point Links" 2011(606), *Institute of Electrical and Electronics Engineers*.**
- **J.K Catherine, Vijayan, U.B Syeda Rabiya , V.K Gahaulaut and D.S Ramesh "Dichotomy in mode propagation of coseismic ionospheric disturbance : Observations from April 11, 2012 Indian Ocean earthquake" *Journal of Geophysical Research - Space Physics*(Published May -2014JA020621)**
- **U.B. Syeda Rabiya and G.Vamsikrishna "Role of GPS Technology in Earthquake hazard assessment and Seismic land data acquisition" *Journal of Instrument Society of India. (Published Dec 2014)***

EXPERENTIAL LEARNING

- **Design & Development of 18 GHz Reflector Antenna for Microwave Point to point Links in Astra Microwave Products Limited, Hyderabad of duration 1 year.**
- **Study of BR6 Drilling Machine with Fagor 8030 CNC System Using PLC in Bharat Heavy Electricals Limited, Hyderabad of duration 6 months.**
- **Ground Penetration Radar, Department of Civil Engineering, Osmania University.**

ACHIEVEMENTS

- **Qualified GATE (Graduate Aptitude Test in Engineering) 2008 .**
- **Participated in "District Level Science Fair " held at Stanley Girls High School**
- **Participated in "National Level Students Technical Meet" held at G.Narayanamma Institute of Technology & Science on paper entitled Optical Fiber Communications.**
- **Participated in "Vignyana Darshan05" held at Hi-Tech College of Engg. & Tech on paper entitled Embedded Systems.**
- **Participated in "Vignyana Pradarshan 06" held at Hi-Tech College of Engg. & Tech on Project entitled Convolution Encoder & Tail biting Viterbi Decoder for Binary Symmetric Channel.**
- **Attended a 1 Day workshop on Embedded Networking conducted by UTL Technologies.**
- **Attended a 1 Day workshop on Embedded Systems conducted by CMR Institute of Technology.**
- **Participated in a 1 Day Microwave workshop Tencon 2008 conducted by Department of ECE, Osmania University.**
- **Participated in an International Conference on Recent Advances in Communication Engineering conducted by Department of ECE, Osmania University.**
- **Participated in an International Conference on Recent Advances in Communication and Signal Processing conducted by Department of ECE, Osmania University.**

- Participated in **IEEE Conference INDICON 2011** at **BITS PILANI**, Hyderabad
- Participated in three week (13th June -3rd July) -2012 SERC school on GPS Applications and Atmospheric Science organized by **Research and Training Unit for Navigational Electronics**, Department of ECE, Osmania University.
- Participated in National seminar on **Modern Trends in Geo-Instrumentation** held at Department of Geo Physics under the **Departmental Special Assistance (DSA) II SAP, UGC program, New Delhi**.
- Participated in 5 day (5th – 9th Aug 2014) workshop on **GNSS Receiver and Algorithms** conducted by **Research and Training Unit for Navigational Electronics**, Department of ECE, Osmania University.
- Participated in 6 day (2nd -8th Nov 2017) workshop on **Advanced Electromagnetic Engineering** conducted by Department of ECE, Osmania University.

FIELD VISIT

- Installed campaign & permanent GPS stations at Kothagudem and local observatories as Scientist at NGRI.
- Testing of RF Rx and weapon system Test Equipment as Engineer at BDL.

DECLARATION

I do here by confirm that the information given in this form is true to do the best of my knowledge and belief.

(RABIYA SYEDA)