SWETA.B. TOTAD

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OBJECTIVE:

To secure a challenging position where I can effectively contribute my skills as Professional, possessing competent Technical Skills.

EDUCATION:

Examination	Discipline/ Specialization	School/college	Board/ University	Year of Passing	%
M.Tech	Radio frequency and Microwave Engineering	RV College of Engineering, Bengaluru	Visveshwaraiah Technological University	2017	pursuing
B.E	Electronics and Communication Engineering	Basaveshwar Engineering College, Bagalkot	Visveshwaraiah Technological University	2015	76.9
PUC / XII	PCMB	Basaveshwar Science College, Bagalkot	State Board	2011	60
S. S. L.C	S.S.L.C	St.Anne's Convent High School, Bagalkot	State Board	2009	84.84

SKILLS

Languages: C, Embedded C
IDE: KEIL uVision3, Comsol, Agilent Advance Design System, Agilent SystemVue,
Others: Analog design, Digital design, Microwave, MMICs, Wireless communication, Antennas, RF and PCB

ACADEMIC PROJECT

1. Title **:** MOBILE JAMMER USING FARADAY CAGE TECHNIC
Description **:** Faraday cage is a metal enclosure that blocks all electromagnetic signals like the metal case of microwave oven blocks the microwave rays getting out. Faraday cage consist of sheets of metal such as aluminum, copper etc that completely covers a room or a smaller container or a wire mesh, whose space are smaller than the wavelength of signals that we are trying to block.
My Role:

- Designing hardware module for the project.
- Development of the hardware modules for the project.
- Testing the module.

Team Size: 4 Persons

2. Title **:** MEMS CAPACITIVE PRESSURE SENSOR FOR HIGH PRESURE APPLICATION
Description **:** MEMS (Micro Electro Mechanical System) capacitive pressure sensors with different diaphragm geometries are designed and simulated. The three different diaphragm geometries

are square, rectangular and circular diaphragms, with clamped edges. The sensitivity and linear deflection of pressure sensor highly depends upon the diaphragm structure.

My Role:

- Designing the diaphragm geometries for the pressure sensor.
- Simulating the pressure sensor using Multi-physics simulation platform for various range of pressure.

Team Size: 4 Persons

3. Title : 4X2 MICROSTRIP PATCH ANTENNA ARRAY WORKING AT 1.8GHZ

Description : This rectangular microstrip patch antenna is designed for Global Communication system for mobile communication that works at 1.8 GHz with a gain of 5 db. It also has wide angle Beam width in its radiation pattern.

My Role:

- Designing the 4X2 microstrip patch antenna array.
- Simulating the microstrip patch antenna array using Comsol multiphysics.

4. Title : TEMPERATURE COMPENSATED REFERENCE OSCILLATOR

Description : Temperature compensation entails using temperature dependent circuit elements to compensate for shifts in frequency due to changes in ambient temperature. A crystal oscillator that uses this fre-quency stabilization technique is referred to as a temperature-compensated crystal oscillator (TCXO). With little added cost, size, and power consumption, a TCXO is well suited for use in portable devices.

My Role:

- Designing the oscillator.
- Testing the reference oscillator to be able to work at 10MHz for synthesizer application.

SEMINAR CONDUCTED

- Introduction to nanotechnology at Basaveshwar Engineering College, Bagalkot
- Current status of optical communication on PCB at RV College of Engineering, Bengaluru
- Smart antennas at RV College of Engineering, Bengaluru

WORKSHOP ATTENDED

- Introduction to Matlab at Basaveshwar Engineering College, Bagalkot
- Printed Circuit Boards at Basaveshwar Engineering College, Bagalkot
- Research Avenues in Software Defined Radio and Cognitive Radio at RV College of Engineering, Bengaluru

PERSONAL PROFILE:

Name	: Swetha. B. Totad
DOB	: 07-Jun-1993
Nationality	: Indian.
Languages Known	: English, Kannada and Hindi.

DECLARATION:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Bangalore **Swetha. B. Totad**

Date: