RESUME

VELPANDI.B

Permanent Address:
1/231,Middle Street,
East Meenakshi nayakan patti,
Dindigul(Dist).
PINCODE 624002.

Email: velpandi1997@gmail.com

Mobile No:+91 8754071646

Personal Data:

Father name : Mr.G.Bala Krishnan

Date of Birth : 21th Feb 1997

Sex : Male

Nationality : Indian

Languages Known : Tamil, English

Hobbies : playing cricket, watching TV and chating friends .

Objective

Seeking a challenging position to utilize my skills and abilities in the Industry that offers professional growth while being resourceful, innovative and flexible.

Academic performance

Course	Institution	Board / University	Year	Percentage
B.E(ECE)	PSNA college of Engg & Tech	Anna University	2018	60%
HSC	St.mary's Higher Sec . school	State Board, Tamilnadu	2014	76%
SSLC	St.mary's Higher Sec School.	State Board, Tamilnadu	2012	60.2%

Technical Skills

- Languages known: C &C++
- Designing PCBs
- Designing microstrip patch antenna

Softwares used

- KeySight ADS 2013.06
- MATLAB
- Xilinx, Model sim
- MPLAB Embedded programming software
- Pspice
- OS:- windows XP, windows 7,8&10, Ubuntu

Area of Interest

- Antenna and wave propagation
- Wireless communication
- Digital communication
- Embedded and real time system
- Wireless network
- RF and Microwaves
- Digital signal processing

Capabilities : Flexible to Learn New, Creative Leadership, Team Player, and Can Work without any Assistance, Good Motivator, Smart worker

Equipments handled

- CRO,DSO(X series 3034A)
- Network analyzer(ENA Series E5071C, FieldFox N9926A)
- MXG Vector Signal Genarator(N5182A)
- EXG Analog Signal Genarator(N517B)
- ME 1000 RF Training kit
- Arbitraty waveform Genarator(33250A)
- MSO(X-series 4104A)
- EXA Signal Analyzer(N9010A)
- Digital multimeter (33220A)

Co- Curricular Activities

- Presented a poster on the topic **"U-SLOT MICROSTRIP PATCH ANTENNA"** in "PSG COLLEGE OF TECHNOLOGY", Coimbatore held on 18.08.2017.
- Participated in national level symposium "**RF BASED TRANSFORMER SWITCHING"**in RVS TECHNICAL CAMPUS-COIMBATORE held on 24.03.2016
- Attended 2days workshop about **"PROJECT GUIDANCE IN RF CONCEPTS & CIRCUITS"** in "PSNA CET",dindigul held on 18.1.2018
- **Attended** oneday seminar regarding recent advances in antennas hold at "PSG COLLEGE OF TECHNOLOGY", Coimbatore
- **Attended** oneday seminar regarding PCB board designing at PSNA College of engineering and technology,dindigul.
- Member of international Association of Engineers from 12th September 2016.

Achievements

- ACTIVE member in "PSNA-KEYSIGHT CENTER OF EXCELLENCE"RF communication and circuit design from Jan 2017 to May 2018.

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Extracurricular activities

- Member of **Rotaract** in our college for one year from 2016 to 2017.
- Active Blood donor.
- Acted as a coordinator for two workshops which was held in my college.
- Acted as a volunteer for two national conference which was held in my college in 2017 and 2018.
- Involved in **NCC and NSS** activities in school levels
- Got second position in district level cricket touranament.

Mini Projects

- "RF BASED TRANSFORMER SWITCHING"
- Using RF Switch can be control the 12v Transformer.

Fabrication And Measurement Activities

From the period of January 2017 to May 2018

- **Fabricated** antenna designs manually without aiding any fabrication unit.
- **Measured** the s-parameter for more than 30 antennas using Fieldfox 9926A network analyzer.
- **Measure**d Transmitter and Receiver section for more than 5 antennas using EXA Analog Signal generator N5171B&EXA Signal Analyzer N9010A
- **Measured** the **Continues wavelet analysis for damage detection of RF frames** using MSO-X 4104A
- **Measured** the civil project for cracked concrete building materials using DSO-X 3034A.

Main Project

DESIGN SIMULATION AND ANALYSIS OF SLOT ANTENNA FOR MULTI BAND OPERATION

a novel eagle shaped patch antenna is designed, and it is optimized by computer-aided analysis package Agilent's ADS. In this work, the pattern of different configuration of microstrip patch antennas have been analyzed and studied. Microstrip rectangular patch with two rectangular slots named as straight shaped patch antenna, with dielectric constant 4.6 operating at various resonant frequencies 2.5GH,3.2GHz, 4.25GHz and 5.9GHz.This prototype antenna has a gain of 7.24dB and it is fed by coaxial probe feeding . The outcomes of this project a well designed antenna with high efficiency and power radiation. The parameters of antenna such as return loss, voltage standing wave ratio, radiation pattern, gain, directivity and power were measured.

Declaration

I hereby declare that the details furnished above are true to the best of my knowledge.

Place: Dindigul **Yours Faithfully**

Date: **(VELPANDI.B)**