

MONIKA BUDANIA

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OBJECTIVE:

To work in a challenging environment that provides generous opportunities for learning and teaching which enhances my working capabilities, research skills and impart practical knowledge in young minds which would help the organization to grow, develop my growth profile and make students career progressive.

EDUCATIONAL QUALIFICATIONS:

DEGREE	INSTITUTE	UNIVERSITY	YEAR OF PASSING	CGPA/ PERCENTAGE
PhD	K. J. Somaiya College of Engineering	Somaiya Vidyavihar University	2021(Pursuing)	-
MTech (EXTC)	Veermata Jijabai Technological Institute	Autonomous Institute affiliated to Mumbai University	2020	9.41
B.E. (EXTC)	FR.C. Rodrigues Institute of Technology, Vashi	Mumbai University	2018	8.76
H.S.C.	Saraswati Vidyalaya High School & Jr. College of Science, Thane	Maharashtra State Board	2014	86.77%
S.S.C.	Bhavika Vidyalaya School, Kalwa, Thane	Maharashtra State Board	2012	94.91%

ACADEMIC ACHIEVEMENTS:

- Awarded Scholarship INSPIRE by virtue of performance within top 1% students of H.S.C.
- IEEE CONECCT 2020 Best Paper Award for paper titled "Design and analysis of GTEM cell using CST studio simulation".

INTERNSHIP:

- MTech Trainee, SAMEER (R&D of DIT, Govt of India), July 2019- July 2020.
- B.E. Trainee, Tata Institute of Fundamental Research, Colaba, June 2017-April 2018.

SKILLS:

- Programming languages: C, Python (Beginner)
- Software's: IE3D, CST Microwave studio, LabView, MATLAB, Proteus.

PROJECTS:

Title:	Design of Gigahertz Transverse Electromagnetic (GTEM) cell for EMC measurements
Overview:	Final Year M. Tech project under guidance of Mr. Gyanendra Verma Scientist – E, EMI/EMC Division, SAMEER This project presents the design of a GTEM cell having a dimension of 2.1 m x 1.2 m x 0.81 m (L x W x H) over a frequency range from DC up to 1 GHz using finite-difference time-domain (FDTD) method in computer simulation technology (CST) microwave studio.
Publication:	IEEE CONECCT 2020 (6 th International Conference on Electronics, computing and communication technologies, Bangalore, 2-4 July 2020)

Title	Hall Sensor Array Based Magnetic Field Measurement System
Overview:	Final Year B.E project under guidance of Dr. B. Satyanarayana, TIFR, Colaba. This project aims to propose a hall sensor array based magnetic field measurement system for a specific application i.e. INO project (Indian Neutrino Observatory) undertaken at TIFR, Colaba
Publication:	IETE 49 th Mid Term Symposium on Recent trends in wireless communication Vishakhapatnam (April 8-9, 2018)

Title:	Design and Comparative Analysis of Various Equisized Geometries of Defected Ground Structure in Band-stop Filter Application
Overview:	Mini Project M.Tech In this project five unit shapes of DGS such as rectangular, circular , triangular, hexagonal and ellipsoidal have been investigated in IE3D software along with their comparisons based on different factors such as fractional BW, filter selectivity, sharpness factor, radiation loss and frequency of suppression.

Title:	A Compact Flexible and Frequency Reconfigurable Antenna for Quintuple Applications
Overview:	Mini Project MTech A compact coplanar waveguide-fed frequency reconfigurable antenna designed in CST microwave studio for the following applications: aeronautical radio navigation, AMT fixed services, WLAN and Unlicensed WiMAX.

CO-CURRICULAR & EXTRA- CURRICULAR ACTIVITIES:

- MTA: Introduction to Programming using Python- Certified 2018, Issuer- Microsoft.
- Participated in MHRD-TEQIP III-KITE Activity, Mathematics in Engineering held by IIT Bombay in October 2018.
- Member of IETE-ETSA Council (2016-2017).
- Completed Satellite telecommunication Training Program at Institute of Satellite Telecommunication Pvt Ltd, Pune.
- Provided Guest Lecture on Optical Fibers in F.C.R.I.T, Vashi.
- Participated in College Tech Fest Workshops: Python, Robotics, Photoshop.
- Active participation in Roadpali Residents Welfare Association Sport Events.
- Anchoring during annual day function (SAMEER).

STRENGTHS:

- Dedicated towards work.
- Punctual.
- Eagerness to learn new things.
- Leadership quality.

HOBBIES:

- Cooking, Music.

LANGUAGES:

- English, Hindi, Marathi, Haryanvi.

I hereby declare that the above-mentioned information is true to the best of my knowledge.

Place: Navi Mumbai

Date:05/02/2022

Monika Budania