Vicky Butram

(Assistant Professor-Ad hoc, RCOEM Nagpur)

butramv@gmail.com

9479908825, 7771053276

Nagpur, Maharashtra

linkedin.com/in/vicky-butram-6158a0209

SUMMARY

A Challenging position with an expanding and dynamic company, where I can implement the skills that I have gained through my education, as well as to enhance my knowledge by dedication and a hard work

EDUCATION

2017- Present: **Ph.D. (Thesis Submitted -CGPA: 8.32)**

National Institute of Technology Raipur, Chhattisgarh

Department of Electronics & Communication

Thesis Title: "Design and Optimization of Ultra-Low Frequency Piezoelectric Micro-Cantilever for Energy Harvesting Application"
Thesis Supervisor: Dr. Alok Naugarhiya

2013 – 2015: **M.Tech in VLSI Design (CGPA: 7.84)**

Ramdeobaba College of Engg and Management Nagpur, Maharashtra

Department of Electronics Engineering

Thesis Title: "Design And Optimization Of Energy Harvesting System Using Parallel Plate Electrodes"
Thesis Supervisor: Dr. Rajesh Pande

2006-2010: **B.E (CGPA: 6.40)**

Chhatrapati Shivaji Institute of Technology Durg, Chhattisgarh

Department of Electronics & Instrumentation

2006 : **Higher Secondary Education (Percentage: 70.40%)**

D.A.V Public School ChirImiri, Chhattisgarh

TECHNICAL INTEREST

Subject Skills: Microsensors & MEMS, Semiconductor Devices, Nanoelectronics, Basic Electronics

EDA Tools Skills: COMSOL Multiphysics, Coventorware, Intellisuite, Keysight ADS and Tanner

TEACHING EXPERIENCE

2021-Present: **Assistant Professor (Ad hoc)**

RCOEM Nagpur (Maharashtra)

Department of Electronics Engineering

INDUSTRY/RESEARCH EXPERIENCE

2016-2017: **Senior Research Fellow**

IIITDM Jabalpur, M.P

Project Title: **"**Design and development of RF Energy harvesting circuits for low power electronic devices" supported by DST. Govt of India.
Project Investigator: Dr. Jawar Singh (IIT PATNA)

PUBLICATIONS

Refereed Journal :

1) **V. Butram**, A Mishra and A. Naugarhiya, "A Lead Free SpiralBimorph Piezoelectric MEMS Energy Harvester Design for Enhanced Power Density," IETE Technical Review , pp.1-10, 2020. DOI: org/10.1080/02564602.2020.1799876 (SCIE Indexed, IF-1.339)

2) **V. Butram** and A. Naugarhiya, "Performance Enhancement of Piezoelectric MEMS Energy Harvester Using Split Proof Mass for Powering Ultralow Power Wireless Sensor Nodes," Arab J Sci Eng, 2021. DOI: org/10.1007/s13369-021-05829-8 (SCIE Indexed, IF-2.334)

Conference Proceedings :

1) **V. Butram** and A. Naugarhiya, "Non Traditional Proof Mass Arrangement in Cantilever based Piezoelectric Energy Harvester," In Proceedings of the 3rd International Conference on Computing, Communication and Security (ICCCS), pp.100-103, IEEE, Nepal, 2018

2) A. Ray, **V. Butram**, N Gupta and A. Naugarhiya, "Non-Conventional Cantilever for Piezoelectric Energy Harvesting at Ultra Low Resonant Frequency," In 9th Annual Information Technology, Electromechanical Engineering and Microelectronics conference (IEMECON), pp.90-93, IEEE, Jaipur, 2019.

3) **V. Butram** and A. Naugarhiya, "An Efficient Design of Spiral Shaped MEMS Energy Harvester for Low Power Electronic Applications," In 5th International Conference on Signal Processing, Computing and Control (ISPCC), pp.335-338, IEEE, 2019.

4) **V. Butram**, A. Ray, A. Naugarhiya and G.P.S.C. Mishra, "A Novel Concept of Roof Top Tip Mass in Cantilever based Energy Harvester for Wireless Sensor Node," In International conference on Recent Trends in Machine Learning, IOT, Smart Cities and Applications (ICMISC), Springer, Jaipur, 2020

5) **V. Butram** and A. Naugarhiya , "*Analysis of Split Proof Mass Pieozoelectric Cantilever Based MEMS Energy Harvesting System Using Ultra Low Power Rectifier Circuit*", In IEEE Region 10 Symposium (TENSYMP) 2022, Mumbai 2022. (**Accepted)**

SEMINARS/WORKSHOP ATTENDED

May 26-28 2014 :	**Familiarisation Workshop** INUP (IIT Bombay) Topic: Nanofabrication
July 21-25 2014 :	**Hands on Training** INUP (IIT Bombay) Topic: Nanofabrication
March 11-15 2019:	**Faculty Development Program** NIT Raipur Topic: Machine Learning and IoTs

ACHIEVEMENTS

2010:	Qualified GATE Exam with score 404
2011:	Qualified GATE Exam with score 519
2013:	Qualified GATE Exam with score 553

PERSONAL DETAILS

Date of Birth:	27 July 1988
Sex:	Male
Nationality:	Indian
Marital Status:	Married
Religion:	Christian (Catholic)
Hobbies:	Playing and Watching Cricket

REFEREES

Dr. Chitrakant Sahu from MNIT Jaipur

Email: chitrakant.ece@mnit.ac.in
Mobile no: 9549655371

Dr. Nikhil Agrawal from IIIT Nagpur

Email: nagrawal@iiitn.ac.in
Mobile no: 9406769734