

Curriculum Vitae

Yogesh Kumar Dongre

- **Qualified UGC –NET Electronic Science**
- **M. Tech. - Optoelectronics and Laser Technology**
- **B.E. -Electronics & Telecommunication**

Village – Sanjari, Post – Sanjari, Tahsil – Dondi Lohara

Dist. – Balod, Pin Code – 491771

Chhattisgarh, India.



Telephone: - +91-9098971420,

Email id: - yogiellectro@gmail.com

Educational Qualification: -

- **Ph.D. Research Scholar**, Electronics (Solar Photovoltaic Technology) **PRSU, Raipur.**
- **Qualified UGC –NET** conducted by **UGC/NTA** in **Electronic Science, December 2018.**
- **M. Tech.** (Master of Technology) in **Optoelectronics & Laser Technology**, from Pt. Ravishankar Shukla University Raipur, (Pt. R.S.U, Raipur), Chhattisgarh, India, 2013.
- **B.E.** (Bachelor of Engineering) in **Electronics & Telecommunication**, from **Government Engineering College Jagdalpur**, (Chhattisgarh Swami Vivekanand University Bhilai, Chhattisgarh, India, 2010.
- **Higher Secondary School in Mathematics**, Chhattisgarh Board of Secondary Education, Raipur 2005.
- **High School Exam**, Chhattisgarh Board of Secondary Education, Raipur 2002.

Work Experiences: -

- Worked as Guest Faculty from 25/08/2019 to till now, for M. Tech. Course in School of Studies in Electronics & Photonics, in Pt. Ravishankar Shukla University, Raipur .
- One Year (29/07/2017 to 30/04/2018), Worked as Guest Faculty for M. Tech. Course in School of Studies in Electronics & Photonics, in Pt. Ravishankar Shukla University, Raipur
- Worked as a Guest Faculty From (08/08/2016 to 23/09/2016), for M. Tech. Course in School of Studies in Electronics & Photonics, in Pt. Ravishankar Shukla University, Raipur.
- One Year (24/07/2015 to 30/04/2016), Worked as an Assistant Professor (On Contract), for M. Tech. Course in School of Studies in Electronics & Photonics, in Pt. Ravishankar Shukla University, Raipur.

Research Experiences and Project work: -

- 3 Months and 8 days (from 25th September 2018 to 8 January 2019) research and development experience at **NCPRE (PUMP) INUP, IIT Bombay** where we have Fabricated and Characterized Inverted Bulk Hetrojunction Organic Solar cells, based on Organic (Polymer) materials using different molecular weight ratio (Concentration).
- 15 Days (from 25th June 2018 to 8 July 2018) research and development experience at **IICT, Hyderabad** where we have Synthesized and Characterized Perovskite materials.
- One year research and development experience (**MEMS activity**) during M. Tech. project from 22nd July 2012 to 22nd July 2013, at Indus Synchrotron Utilization Division, Raja Ramanna Centre for Advanced Technology (**RRCAT**), Department of Atomic Energy (**DAE**), Indore, Madhya-pradesh, India, 452013.
- **Major Project:- M.Tech.**
Title - “Microfabrication results of gap tuning metal Varactor using deep X-ray Lithography”.

Abstract - Varactor (variable capacitor) is basically used for tuning the circuit using impedance matching; it works by changing the reactive impedance of the device. The resonance frequency of the varactor in this project lies not exactly in the RF range (i.e. 13.86 KHz) but used as a driving tool to develop high aspect ratio microdevice using sacrificial layer technique in **Deep X-ray Lithography (DXRL)** using BL-07 at Indus-2.

- **Major Project:- B.E.**
Title - “ Home and office Security System based on Microcontroller.”

Abstract – Microcontroller is the heart of any systems. This project is an integration of various sensors for home security purpose. The assembly integrates smoke sensor, wall sensor, infra-red sensors and door sensor using microcontroller programming. The sensors sense this interference as a noise signal and activated the relay system for beep sound.

Trainings Undertaken:-

- Industrial training in **B.E.** from National Mineral Development Corporation Limited (**NMDC**), Bailadila (C.G.). Iron Ore Project Dep. No.-14 & 11C from where I got the information about, Telecommunication (Wireless Comm.) between two stations using an analog and digital communication and different Modulation and multiplexing Techniques.

- Industrial training in **B.E.** from Chhattisgarh State Electricity Board, (**CSEB**) Korba West (C.G.) from where I learn electronic control system and maintenance of electronic equipments, and various sensor systems.

Personal Information: -

Nationality – Indian, Sex – Male,
D.O.B – 10/07/1987, Marital status – Married,
Hobby – Watching movie songs, playing cricket.

Computer Skills: - **Operating System** – DOS, Windows XP, Windows 7, Windows 8, Windows 10
Programming Language – Basic Knowledge of C, and C++.

Microfabrication Techniques: – UV-Lithography, X-ray Lithography, Electroforming, Photochemical Etching, Thin film deposition (PVD).

Optical Instrument: - Optical Microscope, Optical Test Bench (Laser Experiment), Optical Lithography (UV & X-ray Lithography).

Strength: - Experimental approach, Hard working, Sincere, Confident.

Conference and Workshop participations:-

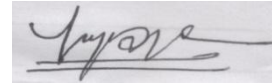
- Participated in **NCPRE** Familiarization Workshop on Photovoltaics, held at **IIT Bombay** on December 01, 2018.
- Participated in 10th **INUP** Familiarization Workshop on Nanofabrication Technology, held at **IIT Bombay** during November 30 to December 01, 2018
- Worked as a Team Leader (A-2 Group) in **Inspire Internship Camp** on (December, 2016), An Initiative of **Department of Science & Technology**, held at **Pt. Ravishankar Shukla University, Raipur (C.G.)**.
- Participated in one week National Workshop ON Entrepreneurships in Renewable Energy Technologies for Chhattisgarh Tribal (**ERETCT-2016**) 19th–24th September, 2016 Organized by **RENEWABLE ENERGY TECHNOLOGY & MANAGEMENT** Pt. Ravishankar Shukla University Raipur (C.G.) 492010.
- Worked as a Faculty Co-Ordinator and Student Incharge in National Level “**PCB & Circuit designing**” **Workshop Cum Championship-16**, on 4th & 5th March, 2016, Jointly Organized by S.O.S. in Electronics and Photonics, Pt. R.S.U, Raipur & Robo Edutech India in association with **Wissenaire IIT Bhubaneswar**.
- Worked as a Team Leader (B-2 Group) in **Inspire Internship Camp** on (21-25 December, 2015), An Initiative of **Department of Science & Technology**, New

Delhi held at **Pt. Ravishankar Shukla University, Raipur (C.G.)**.

- Participated in one week **Fifth SERC School** on “**New Developments in Microfabrication with Focus on Synchrotron Radiation-based Deep X-Ray Lithography**” at **RRCAT Indore**.
- Participated in national annual workshop on “**Recent Trends in Photonics**” Organized by International School of Photonics & Center of Excellence in Laser and Opto-Electronic Sciences at **CUSAT, Cochin**.
- Participated in national conference on “**Interaction between traditional and modern technology**” Organized by Department of Science and Technology at **Raipur**.

Date: 15 / 11 /2019

Place: Raipur



[**Yogesh Kumar Dongre**]