





# DHARMESH MISHRA

MALE, D O B (02/12/1993)

SR-02, Raj Villa's,  
Narmada  
Apartments,  
Khajuri Kalan,  
Bhopal-462022

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## EDUCATION

- 1. Master of Technology in School of Nano Technology (M.Tech. Nanotechnology)** (2016-18)  
University Institute of Technology (R.G.T.U University), Bhopal 88.50 %
- 1. Bachelor of Engineering in Electronics and Communication Engineering (B.E. ECE)** (2011-15)  
Sagar Institute of Research and Technology – Excellence (R.G.T.U University), Bhopal 73.33 %
- 2. All India Senior School Certificate Examination (AISSCE)** (2010-11)  
Vikas Vidyaniketan Sr. Sec. School (C.B.S.E.), Visakhapatnam 59.20%
- 3. All India Secondary School Examination (AISSE)** (2008-09)  
Kendriya Vidyalaya Sr. Sec. School (C.B.S.E.), Visakhapatnam 67.20%

## TECHNICAL SKILLS

- Software(s)** Keysight BenchVue, Comsol Multiphysics (Basic), Origin Pro, NanoInk CAD, CodeVision AVR, Protues ISIS, PCB Wizard, ISP Programmer, Microsoft Excel.
- Language(s)** C (Novice), C++ (Novice), Embedded AVR (atmega16).
- Platform(s)** AVR Microcontrollers, 8051 Microcontrollers, Simulations.

## INDUSTRIAL TRAININGS AND INTERNSHIPS

- Research Intern, CSIR – Central Electronics Engineering Research Institute, Pilani** [Jan 18-Jun 18]  
Project : Dissertation topic “Fabrication and Characterization of CNT based Chemiresistors for NO<sub>2</sub> Gas Sensing”.  
Guide : Dr. Pankaj B. Agarwal (Senior Scientist, Smart Sensors Group, CSIR-CEERI)
- Research Intern, CSIR – Central Electronics Engineering Research Institute, Pilani** [Jun 17-Dec 17]  
Project : Dissertation topic “Carbon Nanotubes (CNT) based MEMS Resonators” as an M.Tech student.  
Guide : Dr. Pankaj B. Agarwal (Senior Scientist, Smart Sensors Group, CSIR-CEERI)  
Co-guide: Dr. Jyotsna Chauhan (Associate Professor, SONT, UTD-RGTU)
- Major Project, Sagar Institute of Research and Technology Excellence, Bhopal** [Jan 15-May 15]  
Project : Automatic control of Speed and Sound of Vehicle based on RF technology  
Guide : Mrs. Manini Singh (Assistant Professor, SIRT-Excellence)
- Minor Project, Indeyes Infotech Technologies Pvt. Ltd. Bhopal** [Jun 14-Jul 14]  
Project : Home Automation System Controlled by Mobile Phone.  
Guide : Mr. Abhigyanam Giri (Founder and Training Head, Indeyes InfoTech)
- Hand on Training, Indeyes Infotech Technologies Pvt. Ltd. Bhopal** [Feb 14-Jun 14]  
Project : Training on Embedded Systems 8051 Micro-Controller ( $\mu$ C) and AVR  
Guide : Mr. Abhigyanam Giri (Founder and Training Head, Indeyes InfoTech)

## WORK EXPERIENCE

- 1. MIS Coordinator: Reecomps Teleservices under Reliance Jio partnered Samsung India Electronics** [Sept 15 – Feb 16]
  - Expert Supervision over tower types (GBT, RTT, RTD, and GBM) and components used.
  - Lat-Long verification includes address and site location.
  - Maintenance of GIS and Site FORGE Reports and Analytics with critical issue for data integrity.
  - Taking follow-ups and report to project manager regarding completion of work by vendor team.
  - Managing site activities and co-ordination with site management.
  - Distribution of regular dumps for MP and CG clusters to pan india business heads.
  - Alarm rectification (Alpha/Beta/Gamma Sector) for particular 4G site.
- 2. M.Tech Research Scholar: CSIR–Central Electronics Engineering Research Institute** [July 17 – Jun 18]
  - Researched on topic CNT based Gas Sensors MEMS/NEMS devices, CNT based MEMS Resonators, MEMS applications in CNT Resonators.
  - Built nano-scale devices in cleanroom technology using semiconductor fabrication techniques under the guidance of project guide.
  - Surface Characterization and Device testing with spectrometers/microscopic techniques and in-house gas setup facility.
  - Electron-beam lithography, Photolithography (spin coating, UV light-photomask pattern printing), Plasma-enhanced CVD (PECVD), DC sputtering deposition, CNT spray pyrolysis, Lift-off process, Thermal Oxidation, Dip-pen lithography, Plasma Cleaner are studied and experimentally performed.
  - Spectroscopy and Microscopy Instrumentation: Electron microscopy (SEM, TEM, FE-SEM), Atomic force microscopy (AFM), 4 probe I-V characterization, Ellipsometry, Raman Spectroscopy are studied.

## **PUBLICATIONS**

### Submitted/Submitting:

1. *Fabrication and Characterization of CNT based Chemiresistors for NO<sub>2</sub> Gas Sensing*, Pending to Submit.

## **AWARDS, HONOURS AND RECOGNITION**

1. Won Indian Naval Academic Scholarships for both Graduation and Post-Graduation.
2. Won 3<sup>rd</sup> prize including cash rewards in Technical Innovation Challenge 2017 held at CSIR-CEERI, Pilani based on the topic "Localizing and Predicting Water Leak in Pipelines".
3. Hands on training on Embedded Systems 8051 microcontroller and AVR.
4. Participated in Technical Quiz "Think Quest" and Trouble Shooting organized by HCL at Techno-Saga 2K12 held at SIRT-Excellence, Bhopal.
5. Secured 3<sup>rd</sup> Rank in "Inter-House English Essay Competition" for Tagore House in 6<sup>th</sup> Standard, K.V.1., Nausenabaugh, Visakhapatnam.

## **SEMINARS/WORKSHOPS/SESSIONS DELIVERED**

1. *Workshop on Flexible Electronics Technology*, CSIR-CEERI, Pilani. [2018]
2. *Embedded Systems 8051 by IETE*, Sagar Institute of Research and Tech.- Excellence, Bhopal. [2013]
3. *Embedded Systems Technology by Softcon India Pvt Ltd.*, Sagar Institute of Research and Tech.-Excellence, Bhopal. [2013]
4. *Participated in Seminar titled "Back to the Future" by Yashwant Kanetkar and Asang Dani*, Sagar Institute of Research and Tech.-Excellence, Bhopal. [2011]

## **POSITIONS OF RESPONSIBILITY**

1. Responsible for acquiring sponsorship for organizing an event in college.
2. Vice-Captain of School House (Tagore).

## **HOBBIES/INTERESTS AND EXTRA CURRICULAR ACTIVITIES**

1. **Bharat Scouts and Guides** [2005 – 2009]
  - Motto: Taiyar (Be Prepared), Promise: To do my Duty to God and my Country.
  - Qualified all tests of "Dwitiya Sopan Testing Camp" and "Tritiya Sopan Testing Camp" held at K.V.1 (Vizag) and K.V. Srikakulam.
2. Participated in Gymnastics Training to perform at Annual Sports Day in school.
3. **Hobbies/Interests:**
  - Playing Billiards, Cricket or Badminton in my leisure time.
  - Doing workout exercises like Cardio, Stretching and Strength activities.
  - Interacting new people for sharing and gaining knowledge.
  - Prefer travelling to new places alone or with family to spend good time.
  - Reading articles and blogs.
  - Swimming, Cycling, Listening to music.

## **DECLARATION**

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

**Date:** 01<sup>st</sup> Apr' 2019

**Place:** BHOPAL

**Signature**

(Dharmesh Mishra)