

R.V. RAGHUVeer KASHYAP

#17 Temple Bells 1STCross MMG Constructions, Srirampura 1st stage, Mysore- 570023, Karnataka, India
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ACADEMIC QUALIFICATION

Bachelor of Engineering in Mechanical Engineering from GITAM Institute of Technology, Bangalore, affiliated to GITAM University, Vishakhapatnam, CGPA: 6.72, 2018

PROFESSIONAL EXPERIENCE

Graduate Apprentice Trainee, BEML, Mysuru

March – Till date 2019

Job responsibilities:

- Manufacturing and assembling of huge dampers
- Material handling and quality check
- Final testing and maintenance of the assembled vehicles
- Involved in training diploma graduates based on their job roles

INTERNSHIP

Junior Engineer Trainee, Central Railway Workshop, Mysuru

May 2017

Learnt about:

- Repair and re-modification of Indian Railways and regular overhauling of all types of coaches and manufacturing of toy trains
- Assembling and dismantling of wheel and axels
- Wheel balancing and air brake assembly
- Painting and fabrication of coaches
- Ultrasonic testing conducted to identify internal cracks

ACADEMIC PROJECTS

Title: Sensors and Networks Using Multi-Walled Carbon Nanotubes

Duration: January-March 2018

Role: Conducting experiments for different samples of CNT's with varying sonication time

Synopsis: This project focused on meshes and networks in multi-walled carbon nanotubes and their use as alternatives to silver and copper meshes for high speed circuits. Multi-walled carbon nanotubes naturally form random networks. It meshes/networks or self-aligning property is caused by mechanical agitation.

Platform: Nano technology

Title: Multi-walled carbon nanotubes based piezoresistive transducer in automobile application

Location: Indian Institute of Science (IISc), Bangalore

Duration: August - Oct 2017

Team Size: 4

Role: Procurement of CNTs and design and analysis of automobile chassis in CATIA V5

Synopsis: In this project the use of carbon nanotubes for piezoresistive strain sensors has acquired significant attention due to its unique electro-mechanical properties. Carbon nanotubes undergo changes in their band structures when subjected to mechanical deformations. This phenomenon makes them applicable for strain sensing applications. By mixing small amounts of multi-walled carbon nanotubes with selected polymers, have shown promising characteristics of piezoresistive strain sensors and displayed stable predictable voltage response

Platform: Material Science, Strength of materials & Nano technology

Title: Eco friendly Road cleaning Machine

Duration: August-September 2017

Role: Fabricated the obtained design

Status: Working

ACHIEVEMENTS

- Received Certificate of Appreciation for achievement in campus placement, conducted by Hyeosung electric Chennai in 2018
- Declared Runner-up in inter college football tournament, in 2016-17

WORKSHOPS ATTENDED

- Attended one day workshop on Nondestructive testing on advanced manufacturing trends conducted by Trinity Institute of NDT Technology, Bangalore January 2017
- Was part of workshop on Advanced Designing tools in FUSION 360, conducted by AUTODESK in 2017
- Was part of Robotryst workshop conducted by Indian Institute of Technology (IIT) Delhi, 2015

PUBLICATION

- Initiated a paper publication on the topic 'Sensors and networking of multi-walled carbon nanotubes' which is under reviewing process at Elsevier publishers since 2018

TECHNICAL SKILLS

Proficient in:

- **Operating systems:** Windows 98/xp/vista/7/8/8.1/10
- **Office Suite:** MS-Office
- **Designing Software:** AUTOCAD, CATIVA V5 and FUSION 360
- **Programming Languages:** C, C++
- **Web Technologies:** Basics of HTML

EXTRACURRICULAR ACTIVITIES

- Involved with NSS (National Service Scheme) in college in the year 2015-2018
- Involved with the United Way (leadership and support organisation that creates and supports innovative programs to generate sustained impact in local communities) team, Bangalore, to help paint the administrative block of the NGO Sukrupa, Bangalore in 2016