


SANA QURESHI

Post Graduate Student in Paint Technology from Laxminarayan Institute of Technology.

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OBJECTIVE

Enthusiastic for research and eager to contribute to team success through hard work, attention to detail and excellent organizational skills.



SKILLS

Research and analytical abilities

Interpersonal skills

Management

Leadership

Communication



WORK EXPERIENCE

**2018-09 – 2019-08 Research and Development Officer
IVP Limited, Mumbai.**

- A year of successful experience in product development as a Research and Development Officer
- Worked extensively on Polyester resin, Polyurethane resin, Aromatic resin and Amino resin for different applications.
- Hands on experience of various Quality Control analysis techniques to seek Hydroxyl Value, NCO, Acid Value, Amine Value.
- Successfully commercialized a few of IVPs high performing products meeting the customer specifications.
- Creating R&D documents (Master Formula Sheet, Assessment, Lab Record, Cost Calculation, etc.)



INDUSTRIAL TRAINING

2017-05 – 2017-07 K-TECH INDIA PVT LTD

Thane, Mumbai

A detailed study of polymer additives and the technology of additives master-batch preparation and their formulation, testing on calendaring devices and its application.



ACADEMIC

2019 - current

Master of Technology : Paint Technology (Pursuing)

Laxminarayan Institute of Technology, Nagpur.

- **1st Semester secured 8.09 CGPA**
- **2nd Semester secured 9.00 CGPA**
- **3rd Semester secured 8.75 CGPA**

2020 - 2021

Major Project - “Smart Anti-corrosion Coating Based on Inhibitor Loaded Nano- containers”

Project on enhancing the anti-corrosion performance of coating by encapsulation of the commercially available inhibitor. The main aim of this project is to describe a new contribution to the development of active anticorrosive films. The 2-Mercaptobenzothiazole (MBT) is widely used as a corrosion inhibitor loaded in silica nanocontainers which is utilized to obtain active anticorrosive coatings. With an artificial defect induced on the epoxy nanocomposite coating and subsequent corrosion reactions, active corrosion protection triggered. The anticorrosive action of the coating is controlled by the release and reactions of the inhibiting component from the coating. The corrosion protection offered by MBT due to the chemical transformation experienced by MBT with polymerization processes.

2019 - 2020

Seminar Project Report on “Micro-encapsulation in Self-healing and Anti-corrosion Coating”.

Self-healing anticorrosive coatings are multi-component so-called smart materials, which have been proposed as a way to long-lasting corrosion protection of steel structures. The presently most promising technology route is based on microcapsules, filled with active healing agents and anticorrosive agents, and has been the focus of the report.

2014 - 2018

Bachelor of Technology : Plastic and Polymer Technology

Laxminarayan Institute of Technology, Nagpur.

Secured 7.3 CGPA

Major Project entitled as “Turning Waste Soft Drink & Mineral Water Bottles into Polyester Resin: A Step towards Green Technology.

The waste PET bottles after use thus becomes a serious environmental concern since these bottles do not readily decompose in nature. This project work carried out is mainly

focused on the depolymerization of PET waste using glycolysis to produce important raw material like BHET and its further application into commercially value added products such as polyester resin.



PERSONAL DETAILS

Father's Name : Mr. Abdul Kadir Qureshi
Mother's Name : Mrs. Nafisa Qureshi
Date of Birth : 29-06-1996
Gender : Female
Language known : English, Hindi and Marathi
Home Town : Nagpur (Maharashtra)

I declare that the details above are correct and true to the best of my knowledge.