

# Riyanka Debnath

## Technical Executive-Innovation and Technology

E-Mail: [riyanka.debnath@gmail.com](mailto:riyanka.debnath@gmail.com)

Mobile: +91-9987086452

Present Address: Flat no-103, Pratik Angan CHS, Plot No-79. Kamothe, Sec-19. Navi Mumbai-410209.

Permanent Address: 2/274 Mahesh, Post-Mahesh. City-Serampore. Dist-Hooghly-712202.

Detail oriented and ambitious technical professional with ten years of experience in research and technology platform. Highly skilled in product development, cost control, technical service and vendor development. Enthusiastic, eager to contribute in team success through hard work, attention to detail and excellent organization skill. Rich understanding of Raw materials and formulation. Sophisticated and graceful in managing high volume assignments in rapidly changing environment.

### Expertise:

- Architectural alkyd-base Enamel.
- Project series enamel.
- Alkyd base Protective Coating as per IS specification.
- Solvent based architectural Primer- Metal & Wood.
- Low cost Primer.
- Universal Colorant.
- Industrial Colorants.
- Universal Stainer.
- Colour database.
- Computerizing colour matching software.
- Speciality Instrument: Rheometer, Turbiscan.
- ISO- Internal Auditor.

### Work History

#### Technical Executive

#### Chromaflo Technologies Pvt Ltd: May'2018 to present

- Development of New generation architectural colorant with lowest VOC possible, high solid content, and minimal impact on Paint properties.
- Development of Low VOC universal colorant.
- Development of Universal stainer.
- Development of Industrial tinters- for GI segment.
- Evaluation of different raw materials and verification of the same through ladder study.
- Study of different surfactant chemistry received from suppliers across the globe.
- Evaluation of pigments received from suppliers across the globe.
- Analysis of competitor's colorant received from Indian as well as Global market.
- Perform specialised test e.g. Block resistance, viscosity drop, surfactant leach, dry time.
- Development of test method for Tip-drying.
- Inventory control with technical information for all the incoming raw materials.
- Preparing academic materials (Technical) for the group.
- Leading installation of specialised instrument (Rheometer, Turbiscan, Xenon Arc) in the lab.
- Perform Sweep test for test colorant and generate data in respect to unsurpassed stability in canister.
- Perform Turbiscan analysis for test colorants and generate data in respect to stability.
- Worked one month overseas in Johannesburg SA facility.

## **R&D Executive**

### **Kansai Nerolac Paints: January'2018 to April'2018**

- Development of Universal Colorants.
- Development of cost-effective new shades for new & existing products.
- Quality control, standardization of existing Colorant & Stainer Vendors.
- Evaluation of new colorants for alternate vendor development.
- Analysis of Competitors Products- Colorants & Enamels.
- Validation of complaints on shades.
- Complete support to marketing and sales- Customized Shades.

## **Senior R&D Officer**

### **Berger India limited: August'2014 to January'2018**

- Development of Decorative and Protective Alkyd based enamel.
- New range of Bases in Enamel to offer factory made shade range through POS.
- New product validation by conducting lab, production and application trial.
- Creating and validating of Colour Data Base for entire enamel and wood coating series.
- Creating and validating Colour Data Base for shade matching of factory-made enamel shades. Also, to formulate cost effective pigment combinations for factory made enamel shades.
- Identification and validation of new RM's through the lab evaluation against standard RM's.
- Exploration of alternate supplier for the group.
- Making joint development plan with the supplier for new product development for the group.
- Leading the validation trial at shop floor for new product standardization.
- Providing effective & innovative solution for the technical support requests.
- Providing troubleshooting solution to Production Plants all across India.
- Compliant analysis.
- Customization of existing products as per requirement.
- Quality control, standardization of existing Colorant & Stainer Vendors.
- Evaluation of new colorants for alternate vendor development.
- Analysis of Competitors Products.
- Evaluation & implementation of organic/inorganic pigments, resins, additives and solvents from different suppliers.
- Leading the new equipment procurement process and installation work in the lab.
- Preparing academy materials (Technical) for the group also providing technical training to internal team and customer
- Active participation for ISO audit, 5S implementation, HSE activity etc.
- Working as an Internal Auditor.
- Maintained the documentations like R&D report writing, SOP for new application / testing methods, warehouse related documentations like Inventory control, QC sheet fill up, data input for manufactured products as well as new coming raw materials

## **Technical Service Officer**

### **Nippon India Private Limited: June'2012 to July'2014**

- Cost effective new shades for new & existing products manually as well as using color software and spectrophotometer.
- Shade tools as per the marketing/customer requirements.
- Development of Database.
- G -Data development and implementation.
- Evaluation of new colorants for alternate vendor development.
- Validation of complaints on shades.

- Analysis of new & modified products Bases.
- Complete support to marketing and sales.
- ISO documentation.

### **R&D Chemist**

#### **Behr Process Paint Pvt Ltd: Jan'2012 to June'2014**

- Cost effective new shades for new & existing products manually as well as using colour software and spectrophotometer.
- Evaluation of new colorants for alternate vendor development.
- Analysis of Competitors Products.

### **R&D Officer II**

#### **Soujanya Colors Pvt Ltd: Dec'2009 to Dec'2011**

- Development of Machine Colorants.
- Development of Industrial tinters.
- Evaluation of new raw material for cost reduction of existing product.
- Validate trial at shop floor for new product standardization
- Compliant analysis.
- Customization of existing products as per requirement.
- Analysis of Competitors Products.
- Evaluation & implementation of organic/inorganic pigments, additives and solvents from different suppliers.
- Maintained the documentations like R&D report writing, SOP for new application / testing methods, warehouse related documentations like Inventory control, QC sheet fill up, data input for manufactured products as well as new coming raw materials.
- Active participation for ISO audit, 5S implementation, HSE activity etc.

### **In Plant Training:**

#### **Technical Trainee in AkzoNobel Coatings India Pvt. Ltd; Bangalore: June 2009 to September 2009- Protective Coating:**

- Development of Quick air-drying red oxide primer
- Development of one coat Polyurethane Primer cum Finish.
- Development of 2K PU Top coat.
- Development of Protective coatings – Epoxy. PU system.
- Development of shades as per customer requirements.

### **Software skills:**

- Office Tools : MS Office (Word, Excel, Power Point).
- ERP Systems : Oracle.

### **Selected Publication:**

- Ecomagination- Turns Every Colour Green in Paint India.

### **Achievements:**

- Active member of POSH committee.
- Certified Internal Auditor.
- Participates in ICC Green Biz quiz in 2016 & in 2017.
- Received Best performer award for the year of 2013 in Nippon Paint India Pvt Ltd.
- Participates in Rangoutsab 2011 organized by ICT Mumbai.

### **Technical Qualifications:**

- Diploma in Paint Technology from Jadavpur University collaboration with IPRC in 2009.
- Obtained four months training at **AkzoNobel Coating India Private Limited in R&D-Protective Coating** department in the year 2009.

### **Academics:**

- B Sc with Honours in Chemistry, from the University of Calcutta in 2007.
- Higher secondary under West Bengal Council of Higher Secondary Education in 2004.
- Secondary under West Bengal Board of Secondary Education in 2002.

### **Languages:**

- English: Reading, Writing, Speaking.
- Bangla: Reading, Writing, Speaking.
- Hindi: Reading, Speaking.

### **Declaration:**

I hereby declare that all the above information's are correct & to the best of my knowledge.

Reference available upon request