



E.Iniya Priyanandhini

Professional Summary

Results-driven Bioprocess Automation Engineer with 1.5+ years of experience and a robust internship at Serum Institute of India, the world's largest vaccine manufacturer. Skilled in process design, testing, quality assurance, and automation processes like CIP, SIP, and PHT. Proficient in FDS, sensor calibration, vendor sourcing, and cross-functional collaboration for seamless project execution. Currently pursuing an MBA in Operations and Supply Chain to enhance technical expertise with strategic business acumen, driving efficiency and impactful outcomes. Recognized for optimizing documentation, improving project efficiency, and contributing to scalable biotechnological solutions.

Experience

● D.D. Enterprises, Pune

August 2022 - April 2024

Bio Process Engineer

- Completed 15+ projects by leading documentation efforts (FDS, Valve Matrix, and P&ID reviews) and performing Pre-FAT and FAT activities.
- Conducted sensor calibration, process testing, and automation for critical processes such as PHT, CIP, SIP, DIP, and process sequences, ensuring compliance with client requirements and industry standards.
- Collaborated with cross-functional teams to streamline project execution and deliver results within tight deadlines.

● Serum Institute, Pune

July 2021 - June 2022

Quality Assurance - Intern

Experience in Development QA, Process QA, Equipment & utility Qualification, and management of QMS

● Raptokos Brett & Co. Ltd., Thane

May 2019

Quality Control (Microbiology)- Intern

Experience in microbiological analysis of tablets & Syrups and Purified water testing

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- [LinkedIn](#)
- Pune, Maharashtra
- [My Portfolio](#)

EDUCATION

- **M. Tech (Integrated) Biotechnology (2017-2022)**

Dr. DY Patil Biotechnology and Bioinformatics Institute, Pune
8.44 CGPA

- **MBA in Operations and Supply Chain**

MIT-World Peace University

SKILLS

- Bioprocess Design & Automation
- Documentation
- Pre-FAT & FAT Activities
- Process Testing & Calibration
- Vendor Management
- Quality Assurance & Compliance
- Cross-Functional Collaboration
- Project Management

LANGUAGE

English - Proficient
Hindi - Proficient
Marathi -Fluent
Tamil - Native

Industrial Experience

- Led the design and automation of 15+ bioprocesses, focusing on critical processes such as CIP, SIP, PHT, and DIP, ensuring system efficiency and adherence to client specifications.
- Managed vendor relationships for multiple projects, ensuring timely delivery of materials and contributing to overall project success.
- Created and reviewed 30+ technical documents (FDS, P&ID, BMR) to ensure compliance and streamline project execution.
- Coordinated and led Pre-FAT and FAT activities for 15+ projects, interacting directly with clients to ensure equipment functionality, resolve issues, and ensure client satisfaction.
- Conducted process testing and calibration for 10+ biotechnological processes, ensuring operational accuracy and reliability.
- Worked closely with cross-functional teams to ensure smooth project execution and timely completion.
- Supported quality assurance efforts in the world's largest vaccine manufacturer, contributing to the development and production of affordable vaccines.
- Worked with cross-functional teams to ensure adherence to Quality Management Systems (QMS) and maintain the highest standards of production

Accomplishments

- Received appreciation certificate for successfully training an intern for one month.
- Improved vendor communication and coordination, contributing to timely procurement and delivery of materials during bioprocess automation projects.
- Streamlined documentation processes for calibration and testing procedures, enhancing overall project efficiency.
- Attended industry seminars, expanding knowledge in procurement strategies and supplier relationship management, including sessions on advanced biotechnology processes.

Hobbies

- ·Mandala Art
- ·Macrame
- ·Dot art
- ·Gaming