

PRATIKSHA KHAPRE

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Result-driven Manufacturing Engineer with 3+ years of experience leading process optimization, workspace redesign, and digital governance initiatives. Achieved 20% improvement in cycle time reduction, 60% in ergonomic risk mitigation, and deployment of digitalization & Process optimization. Adept at stakeholder engagement, sustainability programs, and climate-focused initiatives, enhancing operational efficiency, safety, and strategic outcomes.

AREA OF EXPERTISE

- Process Optimization & Digitization
- Sustainability Through Efficiency
- CO2 Emissions (Scope 1-3) & ESG Strategy
- No-Code Solution Architecture (AppSheet/Script)
- Data Visualization (Looker/Power BI)
- Organizational Design & Change Management

KEY ACHIEVEMENTS

- **Climate Leadership & Awareness** – Led Climate Fresk Workshops(French nonprofit organization) for 85% of staff, help understand fundamental science behind climate changes ,understanding of CO₂ Emission cause factor , Scope 1–3, and climate risk.
- **Sustainable Digitization** – Built no-code tools for compliance, diesel tracking, and driver authorization, Digitalized Work permit system, cutting paper use and manual errors.
- **Operational Excellence** – Reduced products cycle time by 20% and improved 60% of ergonomic risks, boosting safety and throughput and led company-wide restructuring and layout optimization to enhance collaboration, efficiency, and safety.

WORK EXPERIENCE

Engineer; Process Improvement & Digitalization Lead, Manitou Group **July 2023 - Present**

- Implemented digital compliance and operational workflows (AppSheet, Apps Script, Looker Studio, Power BI), including diesel tracking, battery lifecycle management, and work permits, reducing paper usage and manual errors.
- Led the execution of a driver authorization project — coordinated external training, collaborated with vendors, and introduced licensing requirements, improving safety and compliance in equipment operations.
- Supported civil infrastructure projects for new office facilities, contributing to design discussions, vendor coordination, and adherence to EHS standards.

Graduate Engineer Trainee – AME, Manitou Group **June 2022 - June 2023**

- Streamlined warehouse-to-assembly logistics, reducing cycle time by 20% . Supported automation and process improvements to raise efficiency and reduce waste.
- Conducted ergonomic review, reducing risks across 60% of tasks.
- Directed organizational restructuring and workspace redesign, establishing a new management hierarchy, optimizing seating, and upgrading infrastructure to enhance collaboration and productivity.

EDUCATION

B.tech in Mechatronics, Banasthali Vidyapith **July 2018 - June 2022 |Total percentage - 74.8%**
Focus on automation, robotics, and integrated systems design

ADDITIONAL INFORMATION

- **Technical Skills:** Microsoft Office, Google Suite, Looker Studio, Kissflow, Power BI, Google Appsheet, Google Appscript, Canva, Google Gemini Gems.
- **Certifications:** Sustainability and corporate ESG, ISO 45001.