

Amar Mahmoud Nabih

Mechanical Engineer

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Professional Summary

Mechanical Engineering graduate with strong knowledge in Lean Six Sigma methodologies and data analysis tools. Skilled in improving product quality, reducing variation, and eliminating waste. Demonstrated practical experience through a graduation project **at El-Araby Group** focused on reducing vibration and imbalance in washing machines using Lean Six Sigma (DMAIC) methodology.

Professional Experience

Planning Engineer — [Mohm office furnitures]

Experienced in production planning and operations management, with advanced SAP expertise in MRP, production scheduling, inventory control, and operational planning to support efficient manufacturing processes.

Intern – El-Araby Group, Tornado Washing Machine Plant

October 2024 – June 2025

Participated in Lean Six Sigma project for product quality improvement.

- Conducted vibration data analysis using statistical tools (Minitab).
- Applied DMAIC methodology to identify and solve process problems.
- Assisted in improving product quality and reducing rejection rates.

Education

Benha University – Shoubra Faculty of Engineering

Bachelor of Mechanical Engineering (Design & Production), 2020 – 2025

- Graduation Grade: Very Good
- Graduation Project: “Applying Lean Six Sigma methodologies to improve product quality and reduce vibration in washing machines.”
- Project Grade: Excellent

Skills

Microsoft Office (Excel & PowerPoint) | Power BI | SAP user | AutoCAD | SolidWorks | Minitab | HAP | DuctSizer | Statistical Analysis | Problem Solving | Process Improvement

Courses:

Lean Six Sigma (White & Yellow Belt) | Data Analysis | Supply Chain Management | ERP system
HVAC Systems | Firefighting