

# **Development of a Vertical Sorting Unit for Efficient Material Handling: Case Study**

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**Abstract:** *In modern logistics and manufacturing industries, the need for efficient and space-saving material sorting systems is rapidly increasing. This report presents the design and development of a Vertical Sorting Unit (VSU), engineered by final-year students of the Department of Mechanical Engineering at [Your College Name]. The VSU aims to optimize material handling by enabling vertical sorting, thus minimizing floor space usage and increasing operational efficiency.*

**Keywords:** modern logistics

