

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
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A

**PROJECT REPORT
ON**

**“DESIGN OF BICYCLE CARRIAGE FOR PAPER
DISTRIBUTION”**

Submitted in fulfillment of the requirement for the degree

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

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ABSTRACT

Technology provides solutions for various problems that exist on this planet. It is an art of combining resources to produce products, to solve problems, to fulfill needs or satisfy wants; it includes technical methods, skills, processes, techniques, tools and raw materials. 'Product Design' is a branch of technology which deals with a wide spectrum of issues pertaining to appliances, lifestyle products, packaging design, transportation design, consumer product design, medical equipment design, apparel design, furniture design, etc. It is committed to improving the quality of human environment with products that are functional and aesthetic. It has provided solutions for various real life problems. The present work is aimed at adopting the principles of product design to provide a solution for the problems faced by newspaper distributors in carrying out their work.

Generally the newspaper distributors use a bicycle as a means of transportation for their work. They usually carry newspapers in bags made up of such materials as leather, nylon, jute or plastic. The bags may be hung to the bicycle handle or may be accommodated at the back carrier of the bicycle. When this is the case, there are chances of news papers getting drenched in rain water on rainy days. Also, when the bag is at the back carrier, extra physical movements are caused while picking and delivering newspapers at the doors of the customers. This may lead to fatigue of the news paper distributors. With a view to overcome these difficulties faced by the news paper distributor, it was planned to design a carriage which eases the work of the news paper distributors.