

Design & Analysis of Automated Medicine Dispenser

A project report submitted in partial fulfillment of the requirements for the award of the

Degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

SUBMITTED BY

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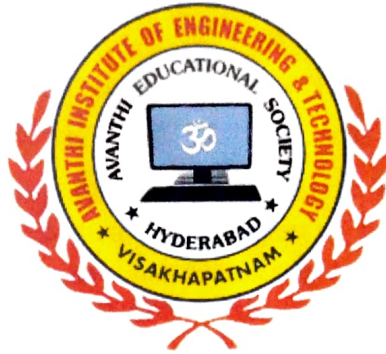


DEPARTMENT OF MECHANICAL ENGINEERING

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
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An NACC & N.B.A. Accredited institution, Approved by AICTE,
Affiliated to J.N.T.U Kakinada
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CERTIFICATE

This is to certify that the project work entitled “**Design & Analysis of Automated Medicine Dispenser**” is a bonafied record of work done by **K. VARA PRASAD (19815A0336), P. KUSHAL KUMAR (19815A0385), G. LOVA (19815A03A2), M.S.D.P. CHAKRAVARTHI (19815A0348)** in partial fulfilment of the requirement for the award of Bachelor of technology in MECHANICAL ENGINEERING by Jawaharlal Nehru technological university, Kakinada During the year 2018-2022.

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Abstract

The Project involves the Design and Analysis of Automated Medicine Dispenser.

Now-a-days in this fast moving world, appliances that are completely automatic are preferred. Automation plays a major role in every day to day activities, industries and medical areas. The major problem faced in pharmacy is it takes long time to dispatch the medicine required by the customer. Even though there might be separate counters for billing and delivery, this process becomes more tedious in case of emergency. In order to overcome this issue, an automatic medicine dispenser machine is developed which helps in identifying the exact medicine rack and pharmacist can dispatch the medicine more quickly. There is no doubt that these machines can enhance the efficiency of medication distribution. This is particularly important in emergency departments and intensive care units in hospitals for immediate access.

The design and Analysis were done for this project by using the CATIA for the part designing process. And the HYPERMESH & ANSYS is used for the analysis process.

KEYWORDS: Medicine dispenser, Pharmacy, CATIA, ANSYS