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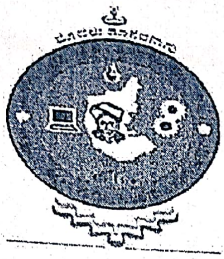

2022-2023

A PROJECT REPORT ON

"AUTOMATED SHEET METAL CUTTING MACHINE BY USING GENEVA MECHANISM"

SUBMITTED IN PARTIAL FULFILLMENT FOR THE REQUIREMENT OF THE AWARD OF DEGREE OF

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

Submitted By

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2022-2023

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CERTIFICATE

This is to certify that the project report entitled **"AUTOMATED SHEET METAL CUTTING MACHINE BY USING GENEVA MECHANISM"** successfully carried out by **KUMARASWAMY P G (1SV17ME005),RANGANATH K M (1SV18ME008), SAGAR M D (1SV18ME011)**, the bonafide students of **SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY TUMKUR-572106,** in partial fulfillment for the award of degree of Bachelor Of Engineering In **MECHANICAL ENGINEERING** Of The **Visvesvaraya Technology University, Belagavi-560014** during the year **2022-2023**. All the corrections/suggestions indicated for the internal assessments have been incorporated in report. project report has been approved as it satisfies the academic requirements in respect to the project work prescribed for the said degree.

Signature of the Guide	Signature of the H.O.D	Signature of the Principal
Prof. K P CHANDRAIAH Asst.Professor& HOD Dept of Mechanical Engineering, SIET,Tumakuru.	**Prof. K P CHANDRAIAH** Asst professor & HOD Dept of Mechanical Engineering SIET,Tumakuru	**Dr. NARENDRA VISWANATH** Principal, SIET,Tumakuru

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1. K.P. CHANDRAIAH
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Signature with date
24/5/23
26/5/23

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ABSTRACT

The sheet metal cutting machine by using Geneva mechanism is useful to cut metal sheets in equal and accurate dimensions. Geneva drive is an indexing Mechanism that converts continuous motion into intermittent motion, Due to which paper is moved between the equal intervals of cutting period. Then the metal sheet cutting is achieved by crank & lever mechanism. The cutter will be back to its original position by lever crank mechanism. The objective of this concept is to design the Geneva mechanism operated metal sheet cutting machine which eliminates the most time taking process of paper marking and helps in feed equal dimension sheet in each rotation. This machine is used to reduce the manual work of sheet cutting, and also time saving. This machine is very useful for sheet manufacturing industry also we can avoid the human errors and also we can use this equipment also in industries, workshops.

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