

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELGAVI-590018, KARNATAKA



Mini Project Report (18MEMP68) on

"Evaluation of Tensile strength of 3d printed PLA parts using Taguchi optimization technique."

Submitted in partial fulfilment for the requirement of
the award of degree of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

Submitted by:

MOHAMMED AMAAN TAIB (USN: 1SV20ME002)

S DHANUSH (USN: 1SV20ME006)

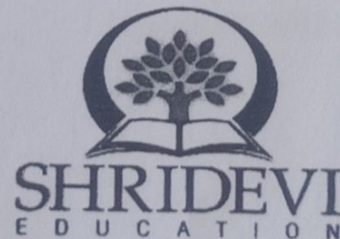
TEJAS S (USN: 1SV20ME008)

UNDER THE GUIDANCE OF:

Mr. RAVIKUMAR KR

Asst. Professor

Department of Mechanical Engineering



N. Srinivas
PRINCIPAL
S.I.T. TUMKUR.

DEPARTMENT OF MECHANICAL ENGINEERING

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Recognized by govt. of Karnataka, affiliated to VTU, Belagavi and approved by AICTE, New Delhi)

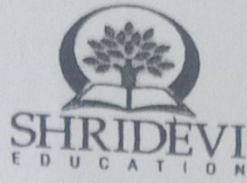
Sira Road, Tumkur-572106

2022-2023

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to Certify that the mini project work (18MEM68) entitled "EVALUATION OF TENSILE STRENGTH OF 3D PRINTED PLA PARTS USING TAGUCHI OPTIMIZATION TECHNIQUE" has been successfully carried out by **MOHAMMED AMAAN TAIB (USN:1SV20ME002)**, **S DHANUSH (USN: 1SV20ME006)**, **TEJAS S (USN:1SV20ME008)**, a bonafide students of SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY in partial fulfillment for the award of degree of **Bachelor Of Engineering in Mechanical Engineering** of the **Visvesvaraya Technological University, Belagavi** during the academic year 2022-2023. It is certified that all corrections suggestions indicated for internal assessments have been incorporated in the report. The mini project report has been approved as it satisfies the academic requirement with respect to the mini project work prescribed for the said Bachelor of Engineering degree.

Signature of the guide

Mr. Ravikumar K R
Assistant professor
Dept of Mechanical

Signature of the HOD

Mr. K P Chandraiah
HOD
Dept of Mechanical

Signature of the principal

Dr. Narendra Viswanath
Principal
SIET

Name of examiners:

- 1 K.P. CHANDRAIAH
- 2 Ravi N.S

Signature with date:

..... 12/07/22

..... 17/07/2022

PRINCIPAL
SIET, TUMKUR.