



Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



Sl. No. : **10786**

Reg. No. : **17REME1021**

The Board of Management of
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of
Science and Technology (Deemed to be University)

hereby makes known that

TESFAYE KEBEDE ALI

S/O DESSIE

has been admitted to the Degree of

Doctor of Philosophy

in

MECHANICAL ENGINEERING

having been certified by duly appointed examiners to be

qualified to receive the same in the year **JUL-2021**

in accordance with the provisions of

UGC Regulations 2016 (for the award of Ph.D. Degree)

Title of the Thesis:

**EXPERIMENTAL INVESTIGATIONS AND OPTIMIZATION STUDIES FOR ENHANCING
COMPRESSIVE AND IMPACT STRENGTHS OF SIS PARTS**

Given under the seal of this Deemed to be University

Dated : 06-NOV-2021


Registrar


Vice Chancellor


Chancellor





Vel Tech

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**REPORT OF THE BOARD OF EXAMINERS FOR THE PH. D. PUBLIC ORAL
EXAMINATION OF TESFAYE KEBEDE ALI (REG. NO. 17REME1021), FULL -TIME
RESEARCH SCHOLAR, DEPARTMENT OF MECHANICAL ENGINEERING,
VEL TECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE OF
SCIENCE AND TECHNOLOGY, AVADI, CHENNAI- 600062.**

The Public Viva-Voce examination of TESFAYE KEBEDE ALI (Reg. No. 17REME1021), on his Ph.D thesis entitled "*Experimental Investigations and Optimization Studies for Enhancing Compressive and Impact Strengths of SIS Parts*" submitted for the award of Ph. D degree in the Department of Mechanical Engineering of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology has been conducted as per the following schedule:

Date : July 22, 2021, Thursday at 4.00 PM.
Mode : Online Video Conference – Google Meet
Meeting Link : <https://meet.google.com/jgy-khok-xac>

Indian Examiner : Dr. Shailendra Kumar
Professor, Department of Mechanical Engineering
Sardar Vallabhbhai National Institute of Technology
Surat- Dumas Road, Keval Chowk, Surat, Gujarat 395002
Email: skbudhwar@med.svnit.ac.in; Phone No.: +91-261-2201697

Subject Expert : Dr. S. Suryakumar
Professor, Dept. of Mechanical and Aerospace Engineering
IIT – Hyderabad, Kandi, Sangareddy, Telangana -502285, India
Email: ssurya@iith.ac.in; Phone No.: (040) 2301 6657

Supervisor and
Convener : Dr. E. Balasubramanian (Professor, Mechanical Engg., Vel Tech)

Based on the candidate's exposition of his thesis and his answers to the questions raised by the examiners and other participants, the Board of Examiners have resolved to recommend that the performance of the candidate in his Ph.D. Oral Examination is Good and declare to have Passed his Ph.D. Oral Examination and further recommend the award of Ph.D degree in Mechanical Engineering of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to the candidate.


Subject Expert




Indian Examiner


Supervisor



Vel Tech

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PROCEEDINGS OF THE Ph.D. ORAL EXAMINATION OF Mr. TESHAYE KEBEDE ALI HELD AT 4:00 P.M. ON July 22, 2021 THROUGH ONLINE MODE AT VEL TECH RANGARAJAN Dr. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY, AVADI, CHENNAI-600 062.

The Ph.D. Oral Examination of Mr./Ms. Tesfaye Kebede Ali (Reg. No. 17REME1021) on the thesis title Experimental Investigations and Optimization Studies for Enhancing Compressive and Impact Strengths of SIS Parts has been conducted on July 22, 2021 at 4:00 A.M./P.M, through online mode using Google Meet.

Members Present

- | | |
|---------------------------|-----------------------|
| 1. Dr. Shailendra Kumar | Indian Examiner |
| 2. Dr. S Suryakumar | Subject Expert |
| 3. Dr. E. Balasubramanian | Supervisor & Convener |

The research scholar Mr./Ms. Tesfaye Kebede Ali has presented the salient features of his/her research work. The members of the Board and audiences have posed the questions related to the subject. The questions raised by the Foreign and Indian Examiners have also been put to the scholar. The scholar has answered all the questions from the Board Members and the audiences. The scholar's performance in the Ph.D. Oral Examination is Good.

Based on the scholar's research work, oral presentation, clarifications and answers to the questions from the Examiners and audiences, the Board unanimously recommends to accept the Ph.D. Thesis for the award of Degree of Doctor of Philosophy in Mechanical Engineering in the School of Mechanical and Construction, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to Mr./Ms. Tesfaye Kebede Ali.

1

Indian Examiner

2

Subject Expert

3

Supervisor & Convener