



Vel Tech

Rangarajan Dr. Sagunthala

R&D Institute of Science and Technology

(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



U. No. : 7379

Reg. No. : 11REME1001

The Board of Management of this Deemed University
hereby makes known that

P. CHANDRA KUMAR

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 **MAY-2018**
in accordance with the provisions of

UGC Regulations, 2011 (for award of Ph.D. Degree) 2016

Title of the Thesis:

**INVESTIGATIONS ON ENHANCING THE INTERFACIAL STRENGTH OF
GLASS/EPOXY COMPOSITES USING ZnO NANOWIRES**

Given under the seal of this Deemed University



dated : 11.08.2018


Registrar


Vice Chancellor


President



Vel Tech

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

PROCEEDINGS OF THE Ph.D. ORAL EXAMINATION OF Mr./Ms. P. CHANDRA KUMAR HELD AT 02:30 A.M./P.M. ON 26th May, 2018 IN THE VIDEO CONFERENCE HALL, VEL TECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY, AVADI, CHENNAI-600 062.

The Ph.D. Oral Examination of Mr./Ms. P. Chandra Kumar (Reg.No. 11REME1001) on the thesis Investigations on enhancing the interfacial strength of Glass/Epoxy composites using Zirconium oxide has been conducted on 26th May, 2018 at 02:30 A.M./P.M. in the video conference hall, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai-600 0062.

Members Present

1. Dr. K. Rami
2. Dr. P. Ram Kumar
3. Dr. A.T. Ramchandran

Thesis Examiner

Expert Member

Supervisor & Convener

The research scholar Mr./Ms. P. Chandra Kumar 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 "SATISFACTORY"

Based on the scholar's research work, oral presentation and, 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 Engineering Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to Mr./Ms. P. Chandra Kumar.

1. K. Rami 26/05/2018 Thesis Examiner
2. P. Ram Kumar 26/05/2018 Expert Member
3. A.T. Ramchandran 26/05/2018 Supervisor & Convener

Prof. Dr. E. Kannan
Registrar

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
Avadi, Chennai-600 0062

**REPORT OF THE BOARD OF EXAMINERS FOR THE PUBLIC ORAL EXAMINATION
IN THE CASE OF MR. P. CHANDRAKUMAR (REG. NO. 11REME1001), PART-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 Mr. P. Chandrakumar, (Reg. No. 11REME1001), on his thesis entitled "*Investigations on Enhancing the Interfacial Strength of Glass / Epoxy Composites using ZnO Nanowires*" submitted for the award of Ph.D degree in Mechanical Engineering of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology has been conducted as per the following schedule:

Date: 26/05/2018, Saturday at 2.30 p.m.

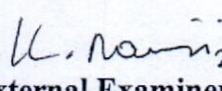
Venue: Video Conference Hall, VTU

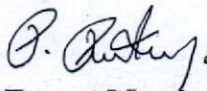
External Examiners: Dr. K. Ramji
Vice Chancellor,
Professor,
Dept. of Mechanical Engineering,
Dr. B.R. Ambedkar University Srikakulam
Andhra University,
Visakhapatnam – 532 410, AP, INDIA
Ph.: 9440670584
Email: ramjidme@gmail.com

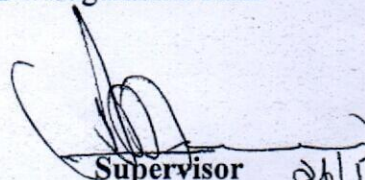
Dr. P. Ramkumar
Assistant Professor,
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Room No. 408, Machine Design Section,
IIT Madras, Sardar Patel Road,
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Phone: 044 22574684
Email: ramkumar@iitm.ac.in

Supervisor and Convener: Dr. A.T. Ravichandran
Professor,
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of
Science and Technology

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 has resolved to recommend that the performance of the candidate in his Ph.D. Oral Examination is "SATISFACTORY" and declare to have AWARD this 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.


26/05/2018
External Examiner


26/05/2018
Expert Member


Supervisor 26/5/18