



# 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. : 7385

Reg. No. : 11RECS1010

The Board of Management of  
Veltech Rangarajan Dr. Sagunthala R & D Institute of  
Science and Technology (Deemed to be University)  
hereby makes known that

**P SELVARANI**

**D/O P. MEENA**

has been admitted to the Degree of  
Doctor of Philosophy

in

**COMPUTER SCIENCE AND ENGINEERING**

having been certified by duly appointed examiners to be  
qualified to receive the same in the year **MAY-2019**

in accordance with the provisions of  
UGC Regulations 2009 (for the award of Ph.D. Degree)

Title of the Thesis:

**SECURE AND PRIVACY ENHANCED MULTIMODAL BIOMETRIC  
BASED USER AUTHENTICATION IN CLOUD PARADIGM**

Given under the seal of this Deemed to be University



Dated : 13.08.2019

  
Registrar

  
Vice Chancellor

  
President



# Vel Tech

Rangarajan Dr. Sagunthala  
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PROCEEDINGS OF THE Ph.D. ORAL EXAMINATION OF Mr./Ms. P. SELVARANI HELD AT 12.15 A.M./P.M. ON 27/05/19 IN THE Dr. A.P.J 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. SELVARANI (Reg.No. 11RECS1010) on the thesis SECURE AND PRIVACY ENHANCED MULTIMODAL BIOMETRIC BASED USER AUTHENTICATION IN CLOUD PARADIGM has been conducted on 27/05/19 at 12.15 A.M./P.M. in the Dr. A.P.J Hall Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai-600 0062.

#### Members Present

1. Dr. G. Kousalya
2. Dr. A.V. Reddy
3. Dr. N. Malavathi

Thesis Examiner  
Expert Member  
Supervisor & Convener

The research scholar Mr./Ms. P. Selvarani 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 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 CSE department in the School of COMPUTING, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to Mr./Ms. P. SELVARANI.

1. Gmr
2. A Reddy
3. Holo  
27/5/19

Thesis Examiner  
Expert Member  
Supervisor & Convener

G. KOUSALYA  
A Reddy

Vice Chancellor  
Vel Tech  
Rangarajan Dr. Sagunthala  
R&D Institute of Science and Technology

REPORT OF THE BOARD OF EXAMINERS FOR THE PUBLIC ORAL EXAMINATION  
IN THE CASE OF Mrs. P. SELVARANI, (Reg. No. 11RECS1010), PART-TIME  
RESEARCH SCHOLAR, DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING, VEL TECH RANGARAJAN Dr. SAGUNTHALA R&D INSTITUTE OF  
SCIENCE AND TECHNOLOGY, AVADI, CHENNAI- 600062.

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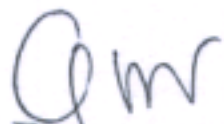
The Public Viva-Voce examination of Mrs. P. Selvarani, (Reg. No. 11RECS1010), on her thesis  
entitled "*Secure and Privacy Enhanced Multimodal Biometric Based User Authentication in Cloud*  
*Paradigm*" submitted for the award of Ph.D degree in Computer Science and Engineering of Vel  
Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology has been conducted as  
per the following schedule:

**Date:** 27/05/2019, Monday at 12.15 p.m.  
**Venue:** Dr A P J Abdul Kalam Hall, Vel Tech  
**External Examiners:** Dr. G Kousalya  
Professor & Head,  
Department of CSE,  
Coimbatore Institute of Technology,  
Coimbatore – 641 014.  
Phone: 9865105331  
E-Mail: kousir@gmail.com

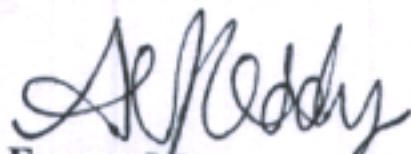
Dr. A.V. Reddy  
Professor,  
Department of Computer Applications,  
N.I.T. Tiruchirappalli,  
Tiruchirappalli – 620 015,  
India.  
Mobile: 91 9443781597  
Email: reddy@nitt.edu

**Supervisor and Convener:** Dr. N. Malarvizhi, (Professor, Vel Tech)

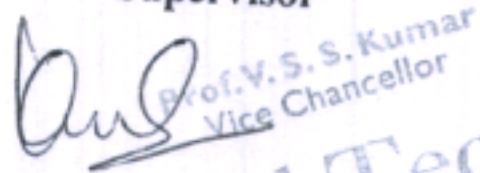
Based on the candidate's exposition of her thesis and her answers to the questions raised  
by the examiners and other participants, the Board of Examiners has resolved to recommend that  
the performance of the candidate in her Ph.D. Oral Examination is Good  
and declare to have Passed/Commented her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

  
External Examiner

G. Kousalya

  
Expert Member

  
Supervisor

  
Prof. V. S. S. Kumar  
Vice Chancellor  
Vel Tech