



Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University) Established by UGC Act, 1956



Sl. No. : 7397

Reg. No. : 14REEC1008

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

hereby makes known that

MOHAN KOPPOLA

S/O SYAMALA KOPPOLA

has been admitted to the Degree of
Doctor of Philosophy

in

ELECTRONICS AND COMMUNICATION ENGINEERING

having been certified by duly appointed examiners to be
qualified to receive the same in the year **NOV-2018**

in accordance with the provisions of

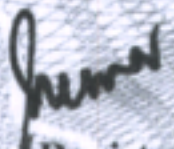
UGC Regulations 2009 (for the award of Ph.D. Degree)

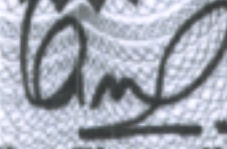
Title of the Thesis:

**AN IMPROVED OBJECT-FACE LIVENESS DETECTION WITH
COMBINED LOCAL FEATURE DESCRIPTORS USING HYBRID
SVM – FUZZY LOGIC CLASSIFIER FOR BIOMETRIC
AUTHENTICATION SYSTEM**

Given under the seal of this Deemed to be University

Dated : 13.08.2019


Registrar


Vice Chancellor




President

**REPORT OF THE BOARD OF EXAMINERS FOR THE PUBLIC ORAL EXAMINATION
IN THE CASE OF MR. MOHAN KOPPOLA, (REG. NO. 14REEC1008), PART-TIME
RESEARCH SCHOLAR, DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING, VEL TECH RANGARAJAN Dr. SAGUNTHALA
R&D INSTITUTE OF SCIENCE AND TECHNOLOGY, AVADI, CHENNAI- 600062.**

The Public Viva-Voce examination of Mr. Mohan Koppola, (Reg. No. 14REEC1008) on his thesis entitled "*An Improved Object-face Liveness Detection with Combined Local Feature Descriptors using Hybrid SVM – Fuzzy Logic Classifiers for Biometric Authentication System*" submitted for the award of Ph.D degree in ECE of Vel Tech Rangarajan Dr. Sagunthala R&D Institute Of Science And Technology has been conducted as per the following schedule:

Date: 02/11/2018, Friday at 11.30 a.m.

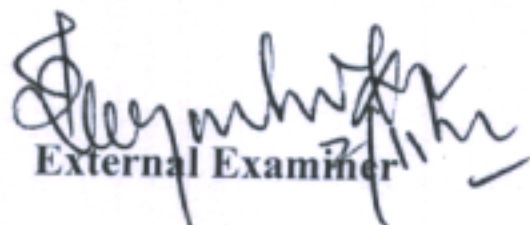
Venue: Video Conference Hall, Vel Tech

External Examiners: Dr. Jagadeesh Kannan R,
Professor,
School of Computer Science and Engineering,
VIT, Vandalur – Kelambakkam Road, Chennai – 600 127.
Ph.: +91-9094058841, +91 44 39931555.
Email: jagadeeshkannan.r@vit.ac.in

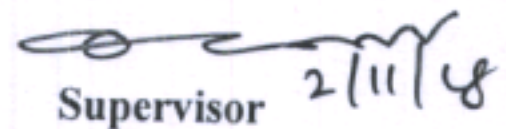
Dr. E. Srinivasan
Professor,
Dept. of Electronics and Communication Engineering,
Pondicherry Engineering College,
Pondicherry.
Mobile: 9445451374.
Email: esrinivasan@pec.edu.

Supervisor and Convener: Dr. P. Chandrasekar (Professor, 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 has 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 ECE of Vel Tech Rangarajan Dr. Sagunthala R&D Institute Of Science And Technology to the candidate.

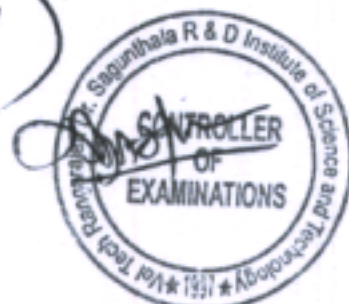

External Examiner

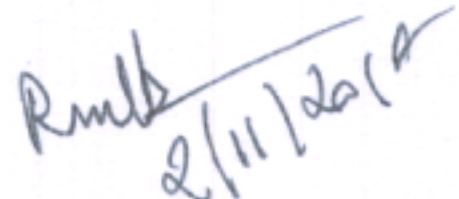

Expert Member


Supervisor 2/11/18

Dr. P. Chandrasekar

(R. JAGADEESH
KANNAN)




2/11/2018



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. MOHAN KOPPOLA HELD AT 11.00 A.M./P.M. ON 02/11/18 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. MOHAN KOPPOLA (Reg.No. 14REEC1008) on the thesis AN IMPROVED OBJECT FACE LIVENESS DETECTION WITH COMBINED LOCAL FEATURES has been conducted on 2/11/18 at 11.00 A.M./P.M. in the Video Conference Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Hall, Chennai-600 0062.

Members Present

1. DR. R. JAGADEESH KANNAN Thesis Examiner
2. DR. E. SRINIVASAN Expert Member
3. DR. P. CHANDRASEKAR Supervisor & Convener

The research scholar Mr./Ms. MOHAN KOPPOLA 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 ECE in the School of SOEC, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to Mr./Ms. MOHAN KOPPOLA

1. [Signature] Thesis Examiner
 2. [Signature] Expert Member
 3. [Signature] Supervisor & Convener
- 2/11/18
Dr. P. Chandrasekar



[Signature]
2/11/2018