



Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology

(Deemed to be University) Estd. by UGC Act 1956



SL. No. : 7398

Reg. No. : 14REEC1014

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

NIPANIKAR SANJAYKUMAR INDRAJITRAO
S/O NIPANIKAR SINDHU INDRAJITRAO

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 **APR-2019**

in accordance with the provisions of

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

Title of the Thesis:

**OPTIMIZATION BASED PIXEL SELECTION FOR EFFECTIVE
MEDICAL IMAGE STEGANOGRAPHY IN SECURE
DATA COMMUNICATION**

Given under the seal of this Deemed to be University

Dated : 13.08.2019



[Signature]
Registrar

[Signature]
Vice Chancellor

[Signature]
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. NIPANIKAR SANJAYKUMAR ^{INDRAJIT RAO} HELD AT 11 A.M./P.M. ON 29.04.2019 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. NIPANIKAR SANJAYKUMAR (Reg.No. 14REEC1014) on the thesis Optimization Based ^{INDRAJIT RAO} Selection for effective medical Image Steganography in secure ^{Pixel Data Communi- cation} has been conducted on 29.04.2019 at 11 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. Prof. Dr. Siddaiah
2. Prof. Dr. C. Sathish Kumar
3. Dr. V. Hima Deepthi

Thesis Examiner
Expert Member
Supervisor & Convener

The research scholar Mr./Ms. Nipnikar Sanjay Kumar ^{Indrajit Rao} 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 Electronics and Communication Eng in the School of Electrical & Communication, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to Mr./Ms. NIPANIKAR SANJAYKUMAR ^{INDRAJIT RAO}

- 1.
- 2.
3. V. Hima Deepthi

Thesis Examiner
Expert Member
Supervisor & Convener

6/5/19
Prof. V. S. S. Kumar
Vice Chancellor

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

REPORT OF THE BOARD OF EXAMINERS FOR THE PUBLIC ORAL EXAMINATION
IN THE CASE OF Mr. NIPANIKAR SANJAYKUMAR INDRAJITRAO, (Reg. No.
14REEC1014), 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. Nipnikar Sanjaykumar Indrajitrao, (Reg. No. 14REEC1014), on his thesis entitled "*Optimization Based Pixel Selection for Effective Medical Image Steganography in Secure Data Communication*" submitted for the award of Ph.D degree in Electronics & Communication Engineering of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology has been conducted as per the following schedule:

Date: 29/04/2019, Monday at 11.00 a.m.

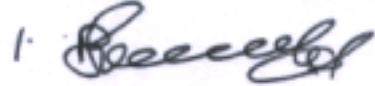
Venue: Video Conference Hall, Vel Tech

External Examiners: Prof. Dr. Siddaiah
Principal,
Department of Electronics and Communication Engineering
Acharya Nagarjuna University,
NH16, Nagarjuna Nagar,
Guntur, Andhra Pradesh 522510
Cell: 9490049565
Email: siddaiah_p@yahoo.com

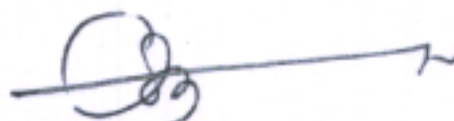
Prof. Dr. C. Sathish Kumar
Principal,
Department of Electronics and Communication Engineering,
Rajiv Gandhi Institute of Technology,
Government Engineering College,
RIT Junction Nedumkuzhy Kottayam Velloor, Pampady,
Kerala 686501
Phone: 09447637773
Email: kumarcsathish@gmail.com

Supervisor and Convener: Dr. V. Hima Deepthi, (Assoc. 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 Electronics & Communication Engineering of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to the candidate.

1. 

External Examiner
DR. P. SIDDIAIAH
Principal
ANU College of Engg & Tech
ANU, AP


Expert Member
Dr. C. Sathish Kumar
Principal
Rajiv Gandhi Institute of
Technology, Kottayam, Kerala

V. Hima Deepthi
Supervisor

AC