



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. : **10793**

Reg. No. : **13RECS1030**

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

N. RAJKUMAR

S/O RATHI N

has been admitted to the Degree of
Doctor of Philosophy

in

COMPUTER SCIENCE & ENGINEERING

having been certified by duly appointed examiners to be
qualified to receive the same in the year **SEP-2021**

in accordance with the provisions of

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

Title of the Thesis:

**SECURITY ENHANCEMENT FOR COLLUSION RESISTANCE IN GROUP BASED
CLOUD DATA SHARING USING KEY MANAGEMENT TECHNIQUES**

Given under the seal of this Deemed to be University

Dated : 06-NOV-2021


Registrar




Vice Chancellor




Chancellor



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Autonomous University) Vel Tech 600062, Chennai

**REPORT OF THE BOARD OF EXAMINERS FOR THE PH.D PUBLIC ORAL
EXAMINATION OF Mr. N. RAJKUMAR (Reg. No. 13RECS1030), PART-TIME RESEARCH
SCHOLAR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
VELTECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE OF
SCIENCE AND TECHNOLOGY, AVADI, CHENNAI - 600062**

The Public Viva-Voce examination of Mr. N. RAJKUMAR (Reg. No. 13RECS1030), on his Ph.D. thesis entitled "SECURITY ENHANCEMENT FOR COLLUSION RESISTANCE IN GROUP BASED CLOUD DATA SHARING USING KEY MANAGEMENT TECHNIQUES" submitted for the award of Ph.D. degree in the Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology has been conducted as per the following schedule:

Date : 06/09/2021, Monday at 10.00 A.M.
Mode : Online Video Conference - Google Meet
Meeting Link : Meeting ID: (US) +1 413-489-4252, PIN: 705 367 792#
<https://meet.google.com/gqm-qjfw-qia>

Indian Examiner : Dr. E. Ilavarasan
Professor,
Department of Computer Science and Engineering,
Puducherry Technological University
(Formerly Pondicherry Engineering College), Puducherry-605014, India.

Subject Expert : Dr. E. A. Neeba
Associate Professor & Head,
Department of Information Technology,
Rajagiri School of Engineering & Technology,
Rajagiri Valley, Kakkanad, Kochi-682039, Kerala, India.

Supervisor and
Convener : Dr. E. Kannan
Professor,
Department of Computer Science and Engineering,
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of
Science and Technology, Chennai-600 062, Tamil Nadu, India

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 Commended and declare to have passed his Ph.D. Oral Examination and further recommend the award of Ph.D. degree in Computer Science and Engineering of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to the candidate.

Indian Examiner

E. ILAVARASAN

Subject Expert

Dr. Neeba EA

Supervisor

(Dr. E. Kannan)





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PROCEEDINGS OF THE Ph.D. ORAL EXAMINATION OF Mr. N. RAJKUMAR (Reg. No. 13RECS1030) HELD AT 10.00 A.M. ON 06.09.2021 THROUGH ONLINE MODE AT VELTECH RANGARAJAN Dr. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY, AVADI, CHENNAI-600 062.

The Ph.D. Oral Examination of Mr. N. RAJKUMAR (Reg. No. 13RECS1030) on the thesis "**SECURITY ENHANCEMENT FOR COLLUSION RESISTANCE IN GROUP BASED CLOUD DATA SHARING USING KEY MANAGEMENT TECHNIQUES**" has been conducted on 06.09.2021 at 10.00 A.M., through online mode using Google Meet tool. (Meeting ID:(US) +1 413-489-4252, PIN: 705 367 792#:<https://meet.google.com/gqm-qifw-qia>)

Members Present

1. Prof. Dr. E. Ilavarasan

Puducherry Technological University, Puducherry. Indian Examiner

2. Prof. Dr. E. A. Neeba

Rajagiri School of Engineering & Technology, Kerala. Subject Expert

3. Prof. Dr. E. Kannan

Vel Tech, Chennai. Supervisor & Convener

The research scholar Mr. N. RAJKUMAR has presented the salient features of his 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 Commended.

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 Computer Science and Engineering in the School of Computing, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to Mr. N. RAJKUMAR.

1.

Indian Examiner

E. Ilavarasan

2.

Subject Expert

E. A. Neeba

3.

Supervisor & Convener

(Dr. E. Kannan)

[Signature]

