



பாரதிதாசன் பல்கலைக்கழகம்

BHARATHIDASAN UNIVERSITY

(Established by the Government of Tamil Nadu in 1982; Recognized by UGC under 2f and 12B of UGC Act;

Member, Association of Indian Universities and Association of Commonwealth Universities; Accredited by NAAC with 'A' Grade)

பொறியியல் - தொழில்நுட்பவியல் புலம் FACULTY OF ENGINEERING AND TECHNOLOGY

பாரதிதாசன் பல்கலைக்கழக ஆட்சிக் குழு ஆகஸ்டு 2009 ஆம் ஆண்டு ந. கண்ணன் என்பவர் கணிப்பொறியியலும் பொறியியலும் பிரிவில் / முனைவர் என்னும் பட்டத்திற்குத் தகுதி பெற்றவர் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி (முனைவர் என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

BHARATHIDASAN UNIVERSITY makes N. KANNAN known that has been admitted Degree of DOCTOR OF PHILOSOPHY, in subject COMPUTER SCIENCE AND ENGINEERING, having been duly appointed Examiners qualified ... receive the same in AUGUST 2009.

Thesis Title

ESIGN OF VECTOR QUANTIZATION TECHNIQUES FOR TRANSFORM CODING OF IMAGES WITH ORTHOGONAL POLYNOMIALS"



Given under the seal of the University.

திருச்சிராப்பள்ளி Tiruchirappalli

Dated: 27th November 2009

E 33225

ISSUED ON :

-3 DEC 2009

பதிவாளர் Registrar

துணைவேந்தர் Vice-Chancellor



FACULTY OF ENGINEERING

This is to certify that

China Appala Naidu R

has been duly admitted to the

Degree of Doctor of Philosophy

Computer Science and Systems Engineering

in this University, helshe having been declared to be

qualified to receive the same in ______2015

Given under the Seal of the University

Visakhapatnam, A.P., India.

Date: 29th July, 2017

Vice-Chancellor



Reg.No. 10950621089/RG

The Syndicate of the Anna University hereby makes known that SARAVANA KUMAR E has been admitted to the DEGREE OF DOCTOR OF PHILOSOPHY under the Faculty of Information and Communication Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year 2015. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

A TRUST BASED HYBRID ANT COLONY OPTIMIZED GRID SCHEDULING

Given under the Seal of the University





ANNA UNIVERSITY CHENNAI - 600 025

PROVISIONAL CERTIFICATE

Folio No.: TAR014171

This is to certify that the candidate has qualified for the award of Degree of Doctor of Philosophy in compliance of the UGC Regulations 2009 as detailed below:

Name RAGHU R

Registration Number 1615499104

Degree Ph.D.

ELECTRONICS AND COMMUNICATION Department/Centre/Subject **ENGINEERING**

INFORMATION AND COMMUNICATION Faculty **ENGINEERING**

Date, Month & Year of Viva-Voce

18.11.2022 Examination held

AN ENHANCED ANT COLONY OPTIMIZATION Title of the Thesis WITH EFFICIENT ROUTING FOR OPTIMAL **ROUTE SELECTION IN VEHICULAR AD-HOC**

NETWORKS



Controller of Examinations

Chennai - 600 025

02-DEC-2022