



Dr. R. JAYAVEL  
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Date : 06.02.2016

Lr.No.CR/Ph.D./Admn/Jan/2016

To  
Dr.N Kumaratharan  
Professor  
Department of Information Technology  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur, Kancheepuram - 602 117

Sub : Ph.D. Programme - Provisional Registration - Order - Issued.

Ref : Res. No. 26.03 of the 26th Research Board Meeting held on 22.01.2016

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I am to inform that Mr./Ms. Rajaram V is permitted to register provisionally for Ph.D. programme as **Part-Time** scholar in the Faculty of Information and Communication Engineering of Anna University during Jan 2016 session under your guidance.

Topic of Research: Cooperative communications for LTE- Advanced systems: Downlink relay and performance optimization

The Research Scholar may be instructed to submit the Enrolment Form (**accessed through the website <https://cfr.annauniv.edu/scholars/>**) within a period of 15 days from the date of issue of this order. The research scholar should submit the Semester Progress Report and Registration Renewal Form in the prescribed format at the time of payment of regular semester fee.

The 50% of the programme fee paid will be refunded, if the candidate withdraws his/her admission within 30 days from the date of payment of fee and thereafter caution deposit only will be refunded in full, subject to conditions.

The Registration Number of the research scholar is **1615499458**.

In all future correspondence quote " **1615499458/Ph.D./AR12** " - for reference. The research scholar will be governed by the " Regulations for Ph.D. Programme " of this University and any amendments are made to the Regulations from time to time.

  
DIRECTOR

- To
1. Individual.
  2. The Head of the Department / Director of the Centre.
  3. The Head of the Institution of the scholar.

  
6/2/16

  
6/2/16



# CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI-600 025



Proceedings of the Ph.D. Viva-Voce Examination of Mr.Rajaram.V held at 12:15 PM on 15.11.2021 in Department of ECE, Sri Venkateswara College of Engineering, Sriperumbudur

The Ph.D. Viva-Voce Examination of Mr.Rajaram.V (Reg. No. 1615499458) on his/her Ph.D. Thesis Entitled " Design of Energy Optimization Techniques for Cluster Enhancement in Wireless Sensor Networks " was conducted on 15.11.2021 at 12:15 PM in the Department of ECE, Sri Venkateswara College of Engineering, Sriperumbudur.

The following Members of the Oral Examination Board were present:


1. Dr. P Karuppanan, Professor, Department of Electronics and Communication Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj Uttar Pradesh - 211 004 Indian Examiner
2. Dr. G Kulanthaivel, Professor, Department of Electrical Electronics and Communication Engineering, National Institute of Technical Teachers Training and Research, Taramani Chennai - 600 113 Subject Expert
3. Dr. Kumaratharan.N, Professor, Department of Electronics and Communication Engineering, Sri Venkateswara College of Engineering Pennalur Sriperumbudur, Kancheepuram Supervisor

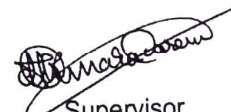
The research scholar, Mr. Rajaram.V presented the salient features of his/her Ph.D. work. This was followed by questions from the board members. The questions raised by the Foreign and Indian Examiners were also put to the scholar. The scholar answered the questions to the full satisfaction of the board members.

The corrections suggested by the Indian/Foreign examiner have been carried out and incorporated in the Thesis before the Oral examination.

Based on the scholars research work, his/her presentation and also the clarifications and answers by the scholar to the questions, the board recommends that Mr.Rajaram.V be awarded Ph.D. degree in the **Faculty of Information and Communication Engineering**.

  
Indian Examiner 15/11/2021

  
Subject Expert

  
Supervisor