

CERTIFICATE

This is to certify that the corrections suggested by the examiners were incorporated in the thesis titled **“CERTAIN INVESTIGATIONS ON THE PERFORMANCE OF VARIOUS TYPES OF FRACTAL ANTENNAS, METAMATERIAL ANTENNAS AND FILTER”** submitted by Mrs.S.SUGANTHI, Ph.D. Research Scholar (Reg.No. 20074012028).

Place: Punalkulam

Date: 23.07.2013

*J. Arputha Vijaya Selvi
23/7/13*
Dr. J. Arputha Vijaya Selvi,
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**PROCEEDINGS OF THE Ph.D. VIVA-VOCE EXAMINATION OF
Mrs.S.SUGANTHI (Reg. No. 20074012028 / Ph.D. /AR6) HELD AT 2.00 P.M. ON
23.07.2013 IN KINGS COLLEGE OF ENGINEERING, PUNALKULAM,
PUDUKOTTAI DISTRICT, PIN:613303.**

The Ph.D. Viva-Voce examination of **Mrs.S.SUGANTHI (Reg.No.20074012028)** on her Ph.D. Thesis Entitled "**Certain Investigations on the Performance of Various Types of Fractal Antennas, Metamaterial Antennas and Filter**" was conducted on 23.07.2013 at 2.00 p.m. in the Department of Electronics and Communication Engineering at Pallava Hall, Kings College of Engineering, Punalkulam, Pudukottai District -613303.


The following members of the Oral Examination Board were present:


1. Dr.Nagendra Prasad Pathak, Associate Professor, Electronics and Communication Engineering, Indian Institute of Technology, Roorkee, Uttarakhand- 247667.
- Indian Examiner
2. Dr.Shyam Sundar Pattnaik, Professor and Head, Educational Television Centre, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh
- Subject Expert
3. Dr.J.Arputha Vijaya Selvi, Professor, Dept. of ECE, Kings College of Engineering, Punalkulam, Pudukkottai District - 613303.
- Supervisor and Convener


The research scholar, **Mrs.S.SUGANTHI** presented the salient features of her Ph.D. work. This was followed by the questions from the board members. The questions raised by the Foreign and Indian examiners were also put to the candidate. The candidate 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 scholar's research work, her presentation and also the clarifications and answers by the scholar to the questions, the board recommends that **Mrs.S.SUGANTHI (Reg. No. 20074012028) be awarded the Ph.D. Degree in the Faculty of INFORMATION AND COMMUNICATION ENGINEERING.**


23/7/2013
Dr.Nagendra Prasad
Pathak
Indian Examiner


23/7/2013
Dr.Shyam Sundar
Pattnaik
Subject Expert


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BONA FIDE CERTIFICATE

Certified that this Thesis titled “**CERTAIN INVESTIGATIONS ON THE PERFORMANCE OF VARIOUS TYPES OF FRACTAL ANTENNAS, METAMATERIAL ANTENNAS AND FILTER**” is the bona fide work of Mrs.Suganthi, S. who carried out the research under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other scholar.

Place: Punalkulam

Date : 28.12.2012


Dr.J.ARPUTHA VIJAYA SELVI
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