

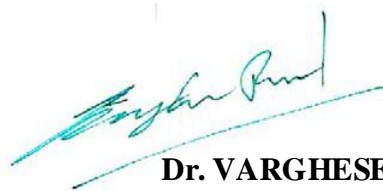
**ANNA UNIVERSITY
CHENNAI 600 025**

CERTIFICATE

This is to certify that all corrections suggested by the examiners have been incorporated in the thesis of **Mr. ASHOK KUMAR, T. (Reg. No 10900531005)** titled **“FEATURE DETECTION AND EXTRACTION IN COLOUR FUNDUS IMAGES OF THE HUMAN RETINA USING BITPLANE DECOMPOSITION AND MATHEMATICAL MORPHOLOGY”**.

Place : Ernakulam

Date :15/11/2013



Dr. VARGHESE PAUL
Dean (CS IT/Research)
ToCH Institute of Science & Technology
Arakkunnam-682 313

Department of CS / IT

Toch Institute of Science & Technology

Arakkunnam

Ernakulam.

Ph.D.	FT / PT
Reg. No.	10900531005

PROCEEDINGS OF THE Ph.D VIVA-VOCE EXAMINATION OF Mr. ASHOK KUMAR.T
HELD AT 10.00 A.M. ON 15/11/2013 IN ToCH INSTITUTE OF SCIENCE &
TECHNOLOGY, ARAKKUNNAM

The Ph.D. Viva-Voce Examination of Mr. ASHOK KUMAR.T (Reg. No. 10900531005) on his Ph.D. Thesis Entitled "FEATURE DETECTION AND EXTRACTION IN COLOUR FUNDUS IMAGES OF THE HUMAN RETINA USING BITPLANE DECOMPOSITION AND MATHEMATICAL MORPHOLOGY" was conducted on 15/11/2013 at 10.00 A.M. in the Seminar Hall of ToCH Institute of Science & Technology

The following Members of the Oral Examination Board were present:

1. Dr. V.K GOVINDAN Indian Examiner
2. Dr. R.SHANMUGALAKSHMI Subject Expert
3. Dr. VARGHESE PAUL Supervisor & Convener

The research scholar, Mr. ASHOK KUMAR.T presented the salient features of his 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.

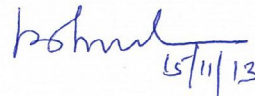
The corrections suggested by the Indian/Foreign examiners have been carried out and incorporated in the Thesis before the Oral examination.

Based on the scholar's research work, his presentation and also the clarifications and answers by the scholar to the questions, the board recommends that Mr.ASHOK KUMAR.T be awarded Ph.D. degree in the Faculty of Information & Communication Engineering.

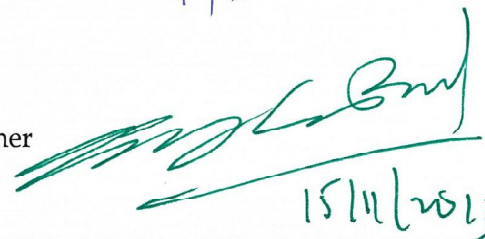
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15/11/2013

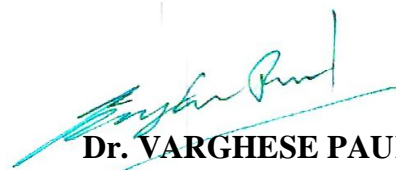
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CHENNAI 600 025

BONA FIDE CERTIFICATE

Certified that this Thesis titled “**FEATURE DETECTION AND EXTRACTION IN COLOUR FUNDUS IMAGES OF THE HUMAN RETINA USING BITPLANE DECOMPOSITION AND MATHEMATICAL MORPHOLOGY**” is bona fide work of **Mr. ASHOK KUMAR, T.**, 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 : Ernakulam

Date : 15-11-2013



Dr. VARGHESE PAUL
SUPERVISOR

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