



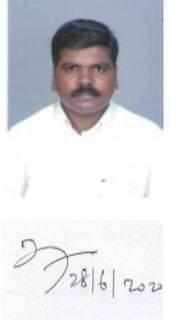
Anand Nagar, Krishnankoil - 626126, Srivilliputtur (via), Virudhunagar District, Tamilnadu.

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:28-06-2020

Department	ELECTRONICS AND COMMUNICATION ENGINEERING	Application No.	20200163
Area of Research	IMAGE PROCESSING	Research Mode	PART TIME

Name :K ANANTHAKUMAR
Date of Birth / Age :05-06-1973 / 47 Years
Gender :MALE
Category :SC
e-Mail ID :ananthakumar5673@gmail.com
Mobile :9994797858



Father's/Husband's Name	S KARUPPANNAN	Father's/Husband's Occupation	SUB INSPECTOR OF POLICE
Family Income	1000000	Residential Type	RURAL
Birth Place	THIRUCHIRAPALLI	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	213233101473	PAN No.	ARDPA0592K
Physically Challenged	NO	Type of Disability	-
Address for Communication: MIG 432 MAHILCHINAGAR, PERUMALPURAM POST PALAYAMKOTTAI TIRUNELVELI DISTRICT TAMILNADU INDIA Pin-627007		Permenant Address: MIG 432 MAHILCHINAGAR, PERUMALPURAM POST PALAYAMKOTTAI TIRUNELVELI DISTRICT TAMILNADU INDIA Pin-627007	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
BTECH	ECE	NATIONAL INSTITUTE OF TECHNOLOGY, THIRUCHIRAPALLI	2005	5.29	SECOND	CORRESPOND
ME	APPLIED ELECTRONICS	ANNA UNIVERSITY	2016	6.39	SECOND	CORRESPOND

Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	
TNEB	ASSISTANT ENGINEER	2008-03-07	2020-06-28	TECHNICAL	

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
20200163_200628200557	SCND8941634942	28-06-2020	600	SUCCESS

Abstract

The main objective of this research is to classify the intracardiac masses in echocardiograms. Intracardiac masses are hazardous in cardiovascular disease. Generally, they are abnormal structures within or immediately adjacent to the heart, which must be distinguished for diagnosis. Two main types of intracardiac masses are tumor and thrombus. Identification of intracardiac masses in echocardiograms is one important task in cardiac disease diagnosis. In most hospitals, echocardiographic identifications are carried out by cardiologists manually. The diagnosis is time consuming. Recognition depends on the image quality and techniques, as well as the cardiologist's experience. To improve the diagnosis accuracy, a novel fully automatic classification method is required and to guide which case should be recommended for a surgery. The various steps involved in classifying the intracardiac masses are collecting the intracardiac videos, frame decomposition, mass area ROI detection, denoising to eliminate the speckle to have better noise attenuation and edge enhancement, segmentation of intracardiac mass, feature extraction, and finally classification of intracardiac mass . This research work aims to develop an automated, efficient system to classify the intracardiac masses with effective techniques in order to improve the diagnosis accuracy to aid the medical field.

National Institute of Technology

TIRUCHIRAPPALLI - 620 015 INDIA



hereby confers the degree of
Bachelor of Technology

in

ELECTRONICS AND COMMUNICATION ENGINEERING

on

ANANTHA KUMAR K

*for successfully completing the prescribed programme of study
and having been placed in*

SECOND CLASS

*Given this day the Twenty Third of December, 2006
Under the Seal of the Institute.*



T. Sankar Reddy
Registrar

H. Chandram
Director

[Signature]
Chairman, Board of Governors

ANNA UNIVERSITY

CHENNAI - 600 025



PROVISIONAL CERTIFICATE

Folio No.: **AUV1618015**

This is to certify that the following candidate has qualified for the award of Degree as detailed below:

Name : **ANANTHAKUMAR K**

Registration Number : **950013801002**

Degree : **M.E.**

Branch/Specialization : **Applied Electronics**

Month and Year of Passing: **November 2016**

Classification : **SECOND CLASS**

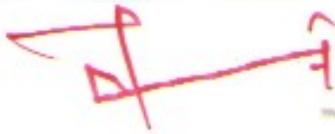
Chennai - 600 025.

Date : 10/05/2017

A0840734810301K


Controller of Examinations

Sl. No. *MX* 119125

Read by	
Verified by	



NATIONAL INSTITUTE OF TECHNOLOGY
(Formerly REGIONAL ENGINEERING COLLEGE)
TIRUCHIRAPPALLI - 620 015 TAMILNADU INDIA
TRANSCRIPT

NAME : ANANTHA KUMAR, K.

ROLL NO. : EC50165

DEGREE : B.Tech. (PART-TIME)

DEPARTMENT : ELECTRONICS AND COMMUNICATION ENGINEERING

SEMESTER	CODE	SUBJECT	CREDIT	GRADE	PASSED IN
1	UEC101	TRANSFORMS AND COMPLEX ANALYSIS	3	E	Apr-2002
	UEC102	ELECTRIC CIRCUITS AND ANALYSIS	3	D	Apr-2002
	UEC103	ELECTRON DEVICES AND CIRCUITS	3	E	Apr-2002
	UEC104	NETWORKS AND MEASUREMENTS	3	E	Nov-2001
	UEC105	ENGINEERING ELECTROMAGNETICS	3	E	Nov-2001
2	UEC201	DIGITAL SYSTEMS	3	E	Nov-2002
	UEC202	SIGNALS AND SYSTEMS	3	E	Apr-2002
	UEC203	ANALOG CIRCUITS	3	E	Apr-2002
	UEC204	TRANSMISSION LINES AND WAVEGUIDES	3	D	Apr-2002
	UEC205	ELECTRONICS LABORATORY	1	D	Apr-2002
3	UEC301	NUMERICAL ANALYSIS	3	E	May-2004
	UEC302	ANTENNAS & PROPAGATION	3	E	Nov-2005
	UEC303	PROBABILITY, STATISTICS AND RANDOM PROCESSES	3	E	May-2005
	UEC304	LINEAR INTEGRATED CIRCUITS AND APPLICATIONS	3	E	Jun-2003
	UEC305	DIGITAL LABORATORY	1	D	Nov-2002
4	UEC401	MICROWAVE COMPONENTS AND CIRCUITS	3	E	May-2004
	UEC402	DIGITAL SIGNAL PROCESSING	3	D	Nov-2004
	UEC403	MICROPROCESSORS AND THEIR APPLICATIONS	3	E	Nov-2003
	UEC404	ANALOG MODULATION SYSTEMS	3	E	Nov-2003
	UEC405	INTEGRATED CIRCUITS LABORATORY	1	E	May-2004
5	UEC501	ENGINEERING ECONOMICS AND MANAGEMENT	3	E	Nov-2003
	UEC502	ARCHITECTURES FOR DSP	3	E	Nov-2003
	UEC503	ADVANCED MICROPROCESSORS AND INTERFACING	3	E	May-2004
	UEC504	STATISTICAL THEORY OF COMMUNICATION	3	E	Nov-2004
	UEC505	MICROPROCESSOR AND INTERFACING LAB.	1	C	Nov-2003
6	UEC601	FIBRE OPTICS AND OPTICAL COMMUNICATION	3	E	May-2005
	UEC602	COMMUNICATION SYSTEMS	3	E	May-2005
	UEC603	COMPUTER COMMUNICATION	3	C	Nov-2004
	UECE03	BIOMEDICAL INSTRUMENTATION	3	E	May-2004
	UEC605	DSP LABORATORY	1	E	Nov-2004
7	UEC701	DIGITAL COMMUNICATION	3	E	Nov-2004
	UEC702	VLSI DESIGN	3	E	Nov-2005
	UECE04	MOBILE COMMUNICATION	3	E	Nov-2004
	UECE05	MICROCONTROLLER BASED EMBEDDED SYSTEM	3	E	Nov-2004
	UEC705	PROJECT WORK	3	B	Nov-2004

SEMESTER	1	2	3	4	5	6	7
G.P.A.	5.20	5.31	5.08	5.23	5.15	5.46	5.60

C.G.P.A. 5.29 CLASS : SECOND CLASS

Grade Point (Absolute Grading) : S-10; A-9; B-8; C-7; D-6; E-5; F-0 (Fail)

C.G.P.A. 7.5 and above (passed in first attempt)

C.G.P.A. 6.0 and above

C.G.P.A. below 6.0

- First class with distinction
- First class
- Second class

Date: 10/02/2006



[Signature]
DEAN (Academic)

10/2/06
1/7



ANNA UNIVERSITY, CHENNAI - 25
M.E. DEGREE EXAMINATIONS
CONSOLIDATED STATEMENT OF GRADES



A0840734810301K

Folio No. AUV1618015

NAME OF THE CANDIDATE	ANANTHAKUMAR K			REGISTER NO.	950013801002
DATE OF BIRTH	05-JUN-73	GENDER	MALE	MONTH & YEAR OF LAST APPEARANCE	NOV 2016
COLLEGE OF STUDY	REGIONAL CENTRE OF ANNA UNIVERSITY, THIRUNELVELI			REGULATIONS	2013
PROGRAMME & SPECIALIZATION	M.E. Applied Electronics (P.T.)				

SEM NO	COURSE CODE	COURSE TITLE	CREDITS	LETTER GRADE	GRADE POINT	MONTH & YEAR OF PASSING
01	AP7102	Advanced Digital Logic System Design	3	D	6	JUN 2014
01	AP7103	Advanced Microprocessor and Microcontroller	3	D	6	JAN 2014
01	MA7157	Applied Mathematics for Electronics Engineers	4	D	6	JUN 2015
01	AP7111	Electronics System Design Laboratory I	2	A	9	JAN 2014
02	AP7201	Analysis and Design of Analog Integrated Circuits	3	D	6	NOV 2014
02	AP7202	ASIC and FPGA Design	3	D	6	JUN 2014
02	AP7203	Embedded Systems	3	D	6	JUN 2014
02	AP7211	Electronics System Design Laboratory II	2	B	8	JUN 2014
03	AP7101	Advanced Digital Signal Processing	4	E	5	JUN 2015
03	AP7005	Quantum Electronics	3	D	6	NOV 2014
03	IF7301	Soft Computing	3	D	6	NOV 2016
04	CP7103	Multicore Architectures	3	B	8	JUN 2015
04	AP7007	Fiber Optic Sensors	3	E	5	NOV 2016
04	NC7101	High Performance Networks	3	B	8	JUN 2015
05	AP7301	Electromagnetic Interference and Compatibility	3	E	5	NOV 2015
05	CU7002	MEMS and NEMS	3	E	5	NOV 2015
05	VL7013	VLSI for Wireless Communication	3	D	6	NOV 2015
05	AP7311	Project Work (Phase I)	6	C	7	NOV 2015
06	AP7411	Project Work (Phase II)	12	C	7	JUN 2016

*** End of Statement ***

Cumulative Grade Point Average : 6.39
Classification : SECOND CLASS

PROGRESS THROUGH KNOWLEDGE

Medium of Instruction : ENGLISH

Chennai - 600 025.

Date : 10/05/2017

SIGNATURE OF THE STUDENT



CONTROLLER OF EXAMINATIONS

GRADE CLASSIFICATION

Range of Marks	91 - 100	81 - 90	71 - 80	61 - 70	57 - 60	50 - 56	< 50
Letter Grade	S	A	B	C	D	E	U
Grade Point	10	9	8	7	6	5	0

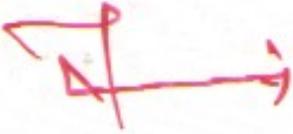
FORMULA FOR GPA & CGPA

$$\text{GPA} = \frac{\sum_{i=1}^n C_i GP_i}{\sum_{i=1}^n C_i}$$

$$\text{CGPA} = \frac{\sum_{i=1}^n C_i GP_i}{\sum_{i=1}^n C_i}$$

- Where
- C_i - is the Credits assigned to the course
 - GP_i - is the point corresponding to the grade obtained for each Course
 - n - is number of all Courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA

Sl. No.: MS 976130

Read by	M. Chakraborty
Verified by	

ANNA UNIVERSITY REGIONAL CAMPUS - TIRUNELVELI

TIRUNELVELI - 627007



TRANSFER CERTIFICATE

No. : **16477**

- 1) Name of the Student : ANANTHAKUMAR K
- 2) Name of the Father/Mother/Guardian : S. KAMUPPANNAN
05-06-1973 (Five-Six-
Nineteen Seventy Three)
- 3) Date of Birth as Entered in the University Records : 10-09-2013
- 4) Date of Admission : 10-09-2013
- 5) Degree to Which the Student was Admitted : M.E Applied Electronics (part time)
- 6) Duration of Degree : 3 years (VI Semester)
- 7) Semester Studied at the Time of Leaving : VI Semester
- 8) Whether Completed the Degree Successfully : Completed
- 9) Actual Date of Leaving : November 2016
- 10) Whether Paid All the Fees and Cleared the Dues to the University : Yes
- 11) Character and Conduct : Good

Office Seal



Date of Issue : **16 JUN 2017**

Dean

Anna University Regional Campus - Tirunelveli
Tirunelveli - 627007



TANGEDCO

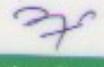
Thoothukudi Electricity Distrn. Circle
Tuticorrin - 628 002. Ph: 0461-2324150

ID NO: 0079




B+

Ananthakumar. K
Assistant Engineer
GPF No.: 196006 HM



Employee Signature



Superintending Engineer
TEDC/TTN

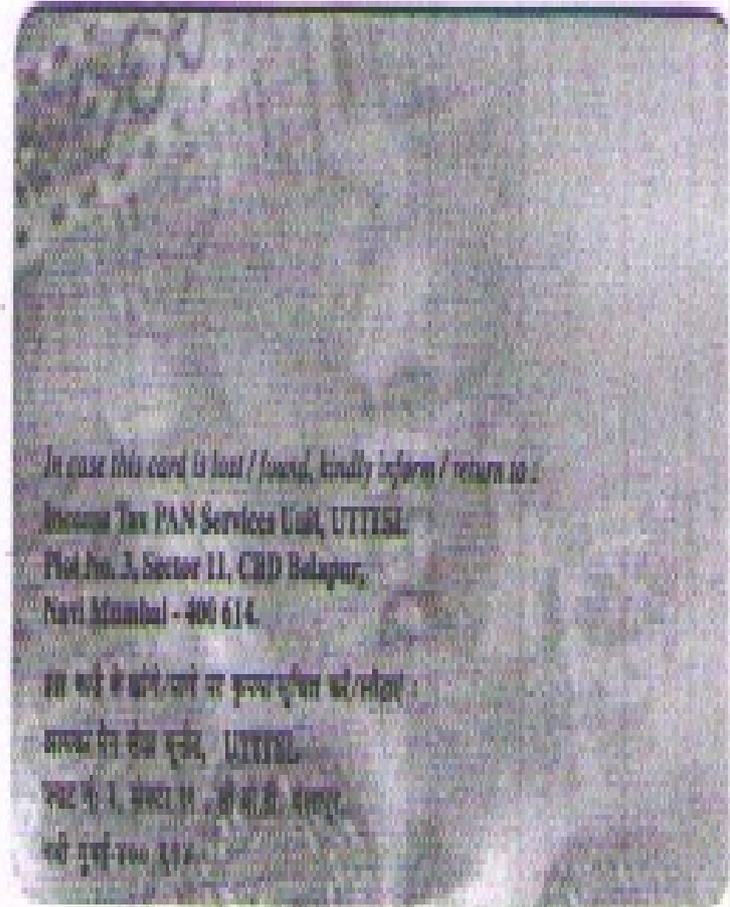
D.O.B : 05-06-1973 ID NO: 0079
CELL NO : 9994797858

ADDRESS

97, T N H B Colony, Perumal
Puram, Tirunelveli.

Conditions:

1. The Card is not transferable
2. The Card should be in the possession of the employee While on duty.
3. Identity card should be surrendered on transfer, retirement or resignation from service.



Self attested

28/06/2020



UNION OF INDIA Driving Licence (Tamil Nadu)



DL. No. **TN18 20090001637**



Date of Issue

Valid Till

24-04-2009



04-06-2023



Date of Birth

Blood Group

05-06-1973

B+

Name

ANANTHA KUMAR K



Son/Daughter/Wife of

KARUPPANAM S

*CERTIFICATE No.

JK SIND
1886/88

105723



DISTRICT CODE 10

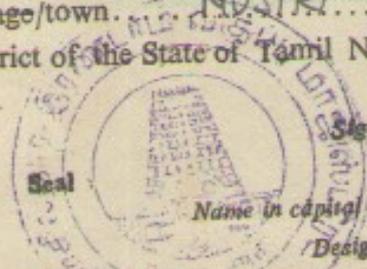
TALUK CODE 02

VILLAGE CODE 628
053-1

COMMUNITY CERTIFICATE

This is to certify that... ANANTHA KUNAR.....
son/~~daughter~~ of Thiru... KARUPPANNAN.....
of... MUSIRI..... village/town... MUSIRI..... taluk
..... TIRUCHY..... district of the State of Tamil Nadu
belongs to... PARAYAN..... community, which
is recognised as a ~~Backward Class/Scheduled Caste/Scheduled Tribe~~
as per G.O. Ms. No..... Dated...../The
S.C. and S.T. Orders (Amendment) Act, 1976, vide Sl. No... 56...

2. It is certified that... ANANTHA KUNAR..... and
his/~~her~~ family ordinarily reside(s) at... MUSIRI.....
village/town... MUSIRI..... taluk... TIRUCHY.....
district of the State of Tamil Nadu.



Signature :

Date :

Name in capital letters :

Designation :

A-SRINIVASAN
30/8/88

TAHSILDAR

* This Certificate Number is to be filled in the Application Form.
NOTE.—Competent Authorities for issue of Certificate: For SC/STs, except Konda Reddi,
Taluk Tahsildars; for Konda Reddi, R.D.O's; for B.Cs. and O.Cs., Head Quarter's
Deputy Tahsildars/Special Deputy Tahsildars.

30-8-88

British Columbia Archives
Date of Birth: 11/5/1885
Age: 12582



TANGEDCO

Thoothukudi Electricity Distrn. Circle
Tuticann - 628 002. Ph: 0461-2324150

ID NO: 0079



Ananthakumar. K
Assistant Engineer

GPF No.: 196006 HM

Employee Signature

Superintending Engineer

TEDC/TTN

D.O.B : 05-06-1973 ID NO: 0079
CELL NO : 9994797858

ADDRESS

97, T N H B Colony, Perumal
Puram, Tirunelveli.

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