



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

**APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES**

Date of Application:21-12-2020

Department	INFORMATION TECHNOLOGY	Application No.	202020155
Area of Research	IMAGE PROCESSING	Research Mode	FULL TIME

Name :SELVAKUMAR P

Date of Birth / Age :23-05-1985 / 35 Years

Gender :MALE

Category :SC

e-Mail ID :vppselsvakumar@gmail.com

Mobile :9791814292



*P. Selvakumar*

Father's/Husband's Name	PAULPANDI P	Father's/Husband's Occupation	FARMER
Family Income	25000	Residential Type	RURAL
Birth Place	POTHAIYADI NANGUNERI	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	SINGLE
Aadhaar No.	952054405735	PAN No.	FMCP50766L
Physically Challenged	NO	Type of Disability	-
Address for Communication: 25/4 SCHOOL STREET,POTHAIYADI, EMANKULAM POST NANGUNERI TK TIRUNELVELI DISTRICT TAMIL NADU INDIA Pin-627108		Permenant Address: 25/4 SCHOOL STREET,POTHAIYADI, EMANKULAM POST NANGUNERI TK TIRUNELVELI DISTRICT TAMILNADU INDIA Pin-627108	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
BCOM	COMMERCE	ST JOHNS COLLEGE / MS UNIVERSITY	2008	55%	II	REGULAR
MSC	NET WORKING & INFORMATION TECHNOLOGY	ST JOHNS COLLEGE/ MS UNIVERSITY	2010	69.87%	I	REGULAR
MPHIL	INFORMATION TECHNOLOGY	MS UNIVERSITY	2012	81.23	I	REGULAR

Experience				
Organization	Designation	Experience From	Experience TO	Work Nature
MS UNIVERSITY CONSTITUTENT COLLEGE KANYAKUMARI	TEMPORARY LECTURER	2014-07-16	2016-02-22	TEACHING

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
202020155_201228212912	VHMP9603871487	28-12-2020	600	SUCCESS

## **Hyperspectral Image Noise Elimination by Adaptive Fuzzy Systems**

In this Paper, mixed noise removal algorithm for hyperspectral imagery (HSI). Most primitive noise removal approaches used neighbour pixel values to replacement of noisy pixels. But these approaches affected on the all HSI layer pixels of mixed noisy and noiseless pixels. So the HSI images lost vital texture parts such as edges. The hyperspectral data is taken as multiple layers that is able to jointly treat both the spatial and spectral modes. This entire denoising process is based on the Fuzzy Clustering based denoising algorithm. Our work involved in minimization model to remove mixed noise such as impulse noise, Gaussian to Gaussian mixture, and Gaussian-impulse noise from the HSI data. This paper expressed efficient method, containing two levels, which in the first level, Noisy pixels detect based on an Adaptive Neuro-Fuzzy Inference System (ANFIS), then in the final level, the new modifications apply on these pixels. To analyse the proposed method, some experiments have been done on several standard hyperspectral images, also based on different metrics and they were compared with popular methods. The results from experiments reveals that the proposed method relatively has the expected performance.



அறிவியற் புலம்

**FACULTY OF SCIENCE**

மனோன்மணியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு  
செல்வகுமார் பா

தகவல் தொழில்நுட்பவியலில் ஆய்வியல் நிறைஞர்

பட்டம் பெறுவதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற தேர்வினோர்  
சான்றளித்தவாறு ஜனவரி 2012 இல் நடத்திய தேர்வுகளில்  
சான்றளித்தபடி, அன்னவர் தனிச் சிறப்பான முதல் வகுப்புப்பெற்று  
இந்தப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the **MANONMANIAM SUNDARANAR UNIVERSITY**  
hereby makes known that **SELVAKUMAR P**  
has been admitted to the Degree of

**MASTER OF PHILOSOPHY IN INFORMATION TECHNOLOGY**

he/she having been certified by duly appointed Examiners to be  
qualified to receive the same at the Examination held in **JANUARY 2012**  
and having been placed in the **FIRST CLASS WITH DISTINCTION**

Viva - Voce Passed on 11.01.2012

Given under the seal of the University.



திருநெல்வேலி, இந்தியா  
Tirunelveli, India

நாள், Dated 11.01.2013

Selvakumar  
(Dr.S.Prabahar)  
தேர்வாணையர்

Controller of Examinations

P. Govindaraju  
(Dr.P.Govindaraju)  
பதிவாளர்

Registrar

(Dr.A.K.Kumaraguru)  
துணை வேந்தர்

Vice-Chancellor

REDMI NOTE 5 PRO  
MI DUAL CAMERA

LDஊனாண்டணியிட் சுந்தரனார் பல்கலைக்கழகம்  
MANONMANIAM SUNDARANAR UNIVERSITY  
TIRUNELVELI, TAMILNADU, INDIA.  
CHOICE-BASED CREDIT SYSTEM  
STATEMENT OF MARKS

MSCA 00002172

COURSE : M.Phil. INFORMATION TECHNOLOGY		REGISTER NUMBER	DATE OF PUBLICATION	YEAR/ SEMESTER/ PRIVATE					
NAME OF THE CANDIDATE		01011361	16/03/12	SECOND					
COLLEGE OF STUDY		CENTRE NO.	EXAM. MONTH AND YEAR						
UNIVERSITY DEPARTMENT		454	JAN-12						
SUBJECT CODE	NAME OF THE SUBJECT	CREDITS	MARKS EXT.	AGRE	RESULT	MON - YR. OF PASSING	CREDITS ACQUIRED	% MARKS CREDITS	
DIT1	Research Methodology for Scientists & Engineers through IDL Current Trends, Developments, research and open issues in IT Dissertation & Viva voce	4	49	82	PASS	NOV-10	4	328	
DIT2		4	47	73	PASS	NOV-10	4	292	
DIT13		4	48	74	PASS	NOV-10	4	296	
DITD		18	86	169	PASS	JAN-12	18	1521	
Viva-voce passed on : 11/01/12									
MARKS MAXIMUM			INT. 50	EXT. 50	AGRE. 100				
PASS. MINIMUM			--	25	50				
TOTAL							30	2437	

Note : Any alteration or overwriting makes this statement of marks invalid.

ABBREVIATIONS : Int - Internal; Ext - External; AGRE - Aggregate; Mon - Month; Yr - Year

Dissertation & Viva-voce : Int. Max. - 100; Ext. Max. - 100; Pass. Min. - 50%

Weighted Average Marks of Subjects passed =  $\frac{\text{Total of (Marks x Credits)}}{\text{Total of Credits Acquired}}$  = 81.23 CLASS: FIRST WITH DISTINCTION

*P. Durairaj*  
SIGNATURE OF THE CANDIDATE

*Geo. S. J.*  
Dr (Major) KSP, Durairaj

Dr (Major) KSP, Durairaj

CONTROLLER OF EXAMINATIONS

REG. NO: 01011361



மனோன்மனியம் சுந்தரனார் பல்கலைக்கழகம்  
MANONMANIAM SUNDARANAR UNIVERSITY

CENTRE FOR INFORMATION TECHNOLOGY AND ENGINEERING  
TIRUNELVELI

Department of \_\_\_\_\_



**TRANSFER CERTIFICATE**

Folio No: 2429

Admission No:

1. Name of the Candidate : VELVAKUMAR - P
2. Name of the Father /Mother/ Guardian : P. Paulpandi
3. Date of birth as entered in the Admission Register : 23.05.1985  
(Twenty third May Nineteen Eighty Five)
4. Gender : Male / Female / Transgender
5. Date of Admission to the University : 16.08.2010
6. Date of leaving : 31.08.2011
7. Course in which the student was studying at the time of leaving : M.Phil - Information Technology
8. Whether the student is qualified for promotion to higher studies : Refer Mark Statement
9. Whether the student has returned all the books and paid all the fees or other dues payable to the University : YES
10. Reason for leaving the University : Completed / Discontinued
11. Date on which the application for Transfer Certificate was made : 01-09-2011
12. His/Her Conduct and character : Good.



Date 01.09.2011

Signature of the

Head of the Department

Registrar

REDMI NOTE 5 PRO  
MI DUAL CAMERA

आयकर विभाग

INCOME TAX DEPARTMENT

SELVAKUMAR

PAULPANDI

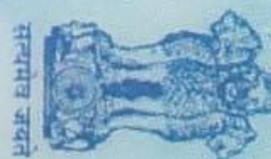
23/05/1985

Permanent Account Number

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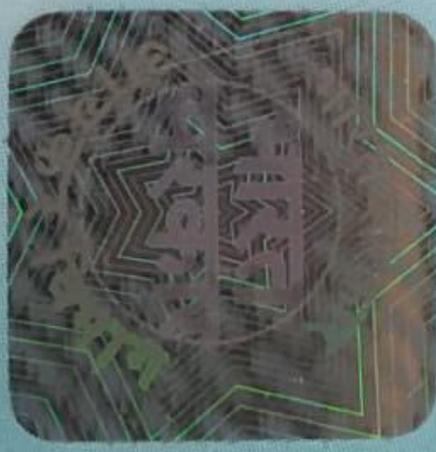
P. Selvakumar

Signature



भारत सरकार

GOVT. OF INDIA



08022014

REDMI NOTE 5 PRO  
MI DUAL CAMERA

LDஊனாண்டணியிட் சுந்தரனார் பல்கலைக்கழகம்  
MANONMANIAM SUNDARANAR UNIVERSITY  
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CHOICE-BASED CREDIT SYSTEM  
STATEMENT OF MARKS

MSCA 00002172

COURSE : M.Phil. INFORMATION TECHNOLOGY		REGISTER NUMBER	DATE OF PUBLICATION	YEAR/ SEMESTER/ PRIVATE					
NAME OF THE CANDIDATE		01011361	16/03/12	SECOND					
COLLEGE OF STUDY			CENTRE NO.	EXAM. MONTH AND YEAR					
UNIVERSITY DEPARTMENT			454	JAN-12					
SUBJECT CODE	NAME OF THE SUBJECT	CREDITS	MARKS EXT.	AGRE	RESULT	MON - YR. OF PASSING	CREDITS ACQUIRED	% MARKS CREDITS	
DIT1	Research Methodology for Scientists & Engineers Programming Image Processing through IDL Current Trends-Developments, research and open issues in IT Dissertation & Viva voce	4	49	82	PASS	NOV-10	4	328	
DIT2		4	47	73	PASS	NOV-10	4	292	
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DITD		18	86	169	PASS	JAN-12	18	1521	
Viva-voce passed on : 11/01/12									
MARKS MAXIMUM			INT. 50	EXT. 50	AGRE. 100				
PASS. MINIMUM			--	25	50				
TOTAL							30	2437	

Note : Any alteration or overwriting makes this statement of marks invalid.

ABBREVIATIONS : Int : Internal; Ext : External; AGRE : Aggregate; Mon : Month; Yr : Year  
Dissertation & Viva-voce : Int.Max.-100;Ext.Max.-100;Pass.Min.- 50%

Weighted Average Marks of Subjects passed =  $\frac{\text{Total of (Marks x Credits)}}{\text{Total of Credits Acquired}}$  = 81.23 CLASS:FIRST WITH DISTINCTION

*P. Durairaj*  
SIGNATURE OF THE CANDIDATE

Dr (Major) KSP, Durairaj

CONTROLLER OF EXAMINATIONS

மேல்கலைக்கழகம்  
**MANONMANIAM SUNDARANAR UNIVERSITY**  
 TIRUNELVELI, TAMILNADU, INDIA.

SI. No. PG 00020632



REDMI NOTE 5 PRO  
 MI DUAL CAMERA

**STATEMENT OF MARKS**  
 CHOICE-BASED CREDIT SYSTEM  
 NETWORKING & INFORMATION TECHNOLOGIES

COURSE :	M. SC.	NAME OF THE CANDIDATE	REGISTER NUMBER	DATE OF PUBLICATION	SEMESTER				
					FOURTH	EXAM. MONTH AND YEAR			
NAME OF THE COLLEGE		CENTRE NO.							
St. JOHN'S COLLEGE		805							
NAME OF THE COLLEGE		CENTRE NO.							
St. JOHN'S COLLEGE		805							
SUBJECT CODE	SUBJECT NAME	MARKS		RESULT	MON. YR. PASSING	CREDITS ALLOTTED	CREDITS ACQUIRED	MARKS CREDITS	
		INT.	EXT. AGRE						
CNT33	Operating System Concepts	09	51	60	PASS	A-10	4	4	240
CNT41	Developing and Implementing Web Server Through C++	17	38	55	PASS	A-10	4	4	220
CNT42	Net Technology	13	49	62	PASS	A-10	4	4	248
CNT43	Unix Administration	17	52	69	PASS	A-10	4	4	276
CNT4P	Project Work	17	19	19	PASS	A-10	9	9	1737
CNTLC	Advance Java and Web Design - Lab	38	59	97	PASS	A-10	4	4	388
							TOTAL	90	6288

Weighted Average Marks of Subjects passed = 69.87

Total of (Marks x Credits) = 6288  
 Total of Credits Acquired = 90  
 OTHER ABBREVIATIONS  
 RA - Resappear  
 P - Pass  
 AA - Absent

MARKS	INT	EXT	AGRE
THEORY	25	75	100
PASSING MINIMUM	-	38	50
MAXIMUM	40	60	100
PRACTICAL	30	30	50
PASSING MINIMUM	-	-	-
MAXIMUM	30	30	50

15/2/2010  
 15/2/2010

*P. Seshiah*  
 SIGNATURE OF THE CANDIDATE

Dr (Major) KSP. DURAIRAJ  
 CONTROLLER OF EXAMINATIONS



MANONMANIAM SUNDARANAR UNIVERSITY  
CONSTITUTENT COLLEGE KANYAKUMARI - 629 702

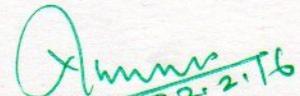
Dr.Y.THARMARAJ,M.A.,M.Phil.,Ph.D.,  
*Principal*

Date:22-02-2016

## CERTIFICATE

This is to certify that Mr.P.SELVAKUMAR Asst. Professor(Temporary), Department of Computer Applications is working in our Manonmaniam Sundaranar University Constituent College, Kanyakumari from 16'th July 2014 onwards. His Teaching is good and helpful by associating himself for various college activities.

Kanayakumari ,  
Date:22-02-2016

  
PRINCIPAL

DR. Y THARMARAJ M.A.,M.Phil.,Ph.D  
PRINCIPAL  
M.S UNIVERSITY CONSTITUENT COLLEGE  
KANYAKUMARI DISTRICT-629 702



आयकर विभाग

INCOME TAX DEPARTMENT

SELVAKUMAR

PAULPANDI

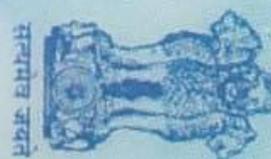
23/05/1985

Permanent Account Number

FMCPSS0766L

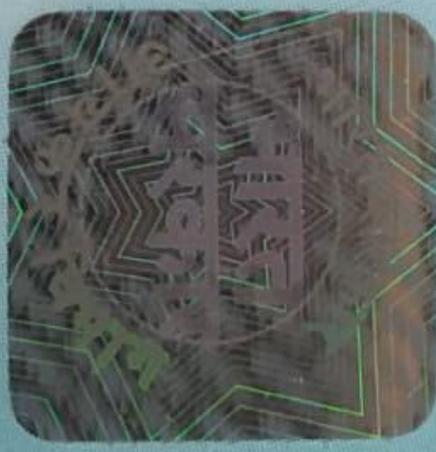
P. Selvakumar

Signature



भारत सरकार

GOVT. OF INDIA



08022014



DUPLICATE

இந்திய தேர்தல் ஆணையம்  
வாக்காளர் அடையாள அட்டை  
ELECTION COMMISSION OF INDIA  
IDENTITY CARD

KPT2030906



வாக்காளர் பெயர் : செல்வகுமார்

Elector's Name : Selvakumar

தந்தை பெயர் : பால்பாண்டி

Father's Name : Paulpandy

பாலினம் / Sex : ஆண் / Male

பிறந்த தேதி / Date of Birth: XX/XX/1981