



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

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:20-06-2020

Department	ELECTRONICS AND COMMUNICATION ENGINEERING	Application No.	20200102
Area of Research	VLSI	Research Mode	PART TIME

Name :K.KALAI SELVI
Date of Birth / Age :26-03-1980 / 40 Years
Gender :FEMALE
Category :BC
e-Mail ID :kalaiselvi20142@gmail.com
Mobile :9486338310



K. Kalai Selvi

Father's/Husband's Name	P.MADASAMY	Father's/Husband's Occupation	GOVERNMENT EMPLOYEE
Family Income	800000	Residential Type	URBAN
Birth Place	TUTICORIN	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	693478561614	PAN No.	AWHPK5022B
Physically Challenged	NO	Type of Disability	-
Address for Communication: 82 TAMIL NAGAR, NGO A COLONY EXTENSION PALAYAMKOTTAI TIRUNELVELI DISTRICT TAMIL NADU INDIA Pin-627007		Permenant Address: 82 TAMIL NAGAR, NGO A COLONY EXTENSION PALAYAMKOTTAI TIRUNELVELI DISTRICT TAMIL NADU INDIA Pin-627007	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
BE	ECE	MANONMANIAM SUNDARANAR UNIVERSITY	2003	74.14	FIRST	REGULAR
ME	OPTICAL COMMUNICATION	ANNA UNIVERSITY-TIRUCHIRAPPALLI	2010	70.73	FIRST	CORRESPOND

Experience				
Organization	Designation	Experience From	Experience TO	Work Nature
ALAGAPPA CHETTIAR COLLEGE OF ENGINEERING & TECHNOLOGY-KARAIKUDI	ASSISTANT PROFESSOR	2006-08-08	2012-06-25	TEACHING
GOVERNMENT COLLEGE OF ENGINEERING-TIRUNELVELI	ASSISTANT PROFESSOR	2012-07-03	2020-05-30	TEACHING

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status

20200102_200621073437	SSBI8918014893	21-06-2020	600	SUCCESS
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Impact of high k materials in Low power techniques

Low Power VLSI Chips is important issue due to high device density, high operating frequency, proliferation of portable consumer electronics, concerns on environments and energy sources. Increasing power consumption and degrading device performance are observed when SiO₂ is used as a gate insulator in FET. Therefore, the high- κ dielectric materials (Al₂O₃, La₂O₃, and ZrO₂) are considered as promising solutions to improve the gate control on the channel region and the electrical performance . The region between the source and the drain of the considered low power device is to be covered by implementing high- κ gate dielectric materials which allow further miniaturization of electronic components , higher value of gate dielectric constant can increase the drain current and improve the leakage current & leads to decrease in power consumption. Drain induced barrier lowering is reduced with the increase in gate dielectric constant. High- κ materials are more suitable than the well-known SiO₂ due to the smaller thickness required which decreases the threshold voltage and improves the leakage characteristics of the device. Here implementation of high k materials is to be considered. The influence of the gate dielectrics on threshold voltage roll-off, sub threshold slope, trans conductance, drain induced barrier lowering, leakage current, on-current, and on/off current ratio is to be investigated in the future work.

K.Kalai Selvi AP/ECE

Government College of Engineering

Tirunelveli

மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்
Manonmaniam Sundaranar University
பொறியியற் புலம்
FACULTY OF ENGINEERING

மனோன்மணியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு
 கலைச்செல்வி க

யின்னனு மற்றும் தொடர்பியலில் பொறியியற் இளையர் பட்டம் பெறுதற்குத்

தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற தேர்வினோர் சான்றித்தவாறு
 ஏப்பிரல் 2003

இல் நடத்திய தேர்வுகளில் சான்றித்தபடி, அன்னவர்
 முதல்

வகுப்பப்பெற்று இந்தப் பட்டப்பெற்றுக்கு
 உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the MANONMANIAM SUNDARANAR UNIVERSITY

hereby makes known that Kalai Selvi K

has been admitted to the Degree of Bachelor of Engineering in

Electronics and Communication

he/she having been certified by duly appointed Examiners to be qualified
 to receive the same, and having been by them placed in the

First Class, at the Examination held in

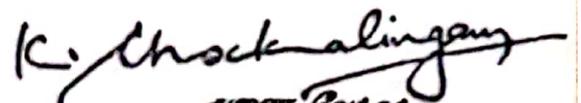
April 2003



திருவள்ளூர், Tirunelveli,
 470, Dated 21.08.2003

Given under the seal of the University.


 பதிவாளர்.
 Registrar.


 துணைவேந்தர்.
 Vice-Chancellor.



The Syndicate of the Anna University Tiruchirappalli hereby makes known that KALAISELVI.K has been admitted to the DEGREE OF MASTER OF ENGINEERING in OPTICAL COMMUNICATION ENGINEERING under the Faculty of Information and Communication Engineering having completed the prescribed programme of study and having been certified by the duly appointed examiners to be qualified to receive the same and has been placed in FIRST CLASS at the Examination held in MAY 2010.

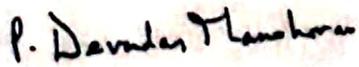


Given Under the seal of the University

திருச்சிராப்பள்ளி
Tiruchirappalli-620 024
India
JUNE 2012
536PTSEC0712135


தேர்வு நெறியாளர் (உள்)
CONTROLLER OF EXAMINATIONS (உள்)


பதிவாளர்
REGISTRAR


வகலவைத்தல்
VICE CHANCELLOR

மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்

MANONMANIAM SUNDARANAR UNIVERSITY

B.E. DEGREE EXAMINATION

BRANCH - ELECTRONICS & COMMUNICATION ENGINEERING

STATEMENT OF MARKS

SL.No. RK 00001565



NAME OF THE CANDIDATE

KALAI SELVI K

REGISTER NO.

0050879

DATE OF PUBLICATION

31/05/2003

COLLEGE OF STUDY

GOVERNMENT COLLEGE OF ENGG.
TIRUNELVELI

COLLEGE NO.

502

CENTRE NO.

502

EXAM M&YR.

APR-03

SUB CODE	MARKS	R.	M/Yr.	SUB CODE	MARKS	R.	M/Yr.	SUB CODE	MARKS	R.	M/Yr.	SUB CODE	MARKS	R.	M/Yr.
R311	67	P	A00	RK31	59	P	N00	RK41	67	P	A01	RK51	75	P	N01
R312	60	P	A00	RK32	61	P	N00	RK42	79	P	A01	RK52	56	P	N01
R313	70	P	A00	RK33	60	P	N00	RK43	93	P	A01	RK53	73	P	N01
R314	70	P	A00	RK34	72	P	N00	RK44	70	P	A01	RK54	66	P	N01
R315	67	P	A00	RK35	52	P	N00	RK45	73	P	A01	RK55	62	P	N01
R316	69	P	A00	RK36	61	P	N00	RK46	64	P	A01	RK56	56	P	N01
R317	55	P	N00	RK37	76	P	N00	RK47	98	P	A01	RK57	84	P	N01
R318	75	P	A00	RK38	70	P	N00	RK48	84	P	A01	RK58	70	P	N01
R319	72	P	A00												
R31A	74	P	A00												
RK61	68	P	A02	RK71	71	P	N02	RK81	57	P	A03				
RK62	83	P	A02	RK72	91	P	N02	RK82	67	P	A03				
RK63	85	P	A02	RK73	78	P	N02	RK83	82	P	A03				
RK64	79	P	A02	RK74	71	P	N02	RK8D	72	P	A03				
RK65	74	P	A02	RK7B	57	P	N02	RK8I	67	P	A03				
RK66	90	P	A02	RK7D	61	P	N02	RK86	190	P	A03				
RK67	96	P	A02	RK77	90	P	N02								
RK68	83	P	A02	RK78	92	P	N02								

TOTAL MARKS 3485/4700

CLASS FIRST

K. Kalai Selvi
Signature of the Candidate

Dr. P. Gomathinayagan

Dr. P. Gomathinayagan

Controller of Examinations

Date :
BISHEKAPATTI
TIRUNELVELI - 627 012.
TAMILNADU, INDIA



அண்ணா பல்கலைக்கழகம் திருச்சிராப்பள்ளி
ANNA UNIVERSITY TIRUCHIRAPPALLI

Tiruchirappalli - 620 024

PG CONSOLIDATED STATEMENT OF MARKS

SERIAL NO. : 806298

FOLIO NO. : CON07M107291

NAME OF THE CANDIDATE	KALAISELVI.K	REGISTER NO.	90107536801
COLLEGE OF STUDY	901A.C. COLLEGE OF ENGINEERING AND TECHNOLOGY	Total No. of Semester/Year	6 Semesters / 3 Years
PROGRAMME & BRANCH	536 M.E. Optical Communication (Part Time)	CLASS	First Class
DEGREE	Master of Engineering	LAST APPEARANCE	MAY 2010

SEM No.	SUBJECT CODE	SUBJECT TITLE	IM	UM	TOTAL	RESULT	YEAR & MONTH
01	MA5131	Applied Mathematics for Electronics Engineers	18	42	060	Pass	Jan 2008
01	OC5101	Fiber Optic Sensors and Devices	14	51	065	Pass	Jan 2008
01	OC5102	Optical Fiber Communication	14	40	054	Pass	Jan 2008
02	OC5151	Integrated Optics	19	40	059	Pass	Jan 2008
02	OC5152	Optical Computing	20	58	078	Pass	Jan 2008
02	OC5153	Optical Imaging Techniques	19	42	061	Pass	Jan 2008
03	OC5001	ISDN Architecture	20	48	068	Pass	Nov 2008
03	CO5102	Modern Digital Communication Techniques	20	49	069	Pass	Nov 2008
03	OC5103	Optical Fiber Technology and Applications	20	49	069	Pass	Nov 2008
03	OC5104	Optical Communication Lab I	00	61	061	Pass	Nov 2008
04	OC5155	Optical Communication Lab - II	00	63	063	Pass	MAY 2010
04	OC5154	Optical Signal Processing	19	57	076	Pass	Jun 2009
04	OC5008	Laser and its Applications	19	42	061	Pass	Jun 2009
04	CO5103	Optical Communication Networks	19	52	071	Pass	Jun 2009
05	AN5010	High Performance Communication Networks	19	46	065	Pass	NOV 2009
05	OC5002	Network Management	19	56	075	Pass	NOV 2009
05	OC5006	Laser Satellite Communication	10	58	068	Pass	NOV 2009
06	OC5251	Project Work	110	394	504	Pass	MAY 2010

*** End of Statement ***



TOTAL MARKS : 1627 / 2300

PERCENTAGE : 70.73

MEDIUM OF INSTRUCTION: ENGLISH

Tiruchirappalli - 620 024

Date : 06/10/2011

IM - Internal Assessment Marks

UM - University Examination Marks

Controller of Examinations



GOVERNMENT OF TAMILNADU
DEPARTMENT OF TECHNICAL EDUCATION
ALAGAPPA CHETTIAR COLLEGE OF
ENGINEERING & TECHNOLOGY



KARAIKUDI - 630 004.
SIVAGANGAI DISTRICT, TAMIL NADU

TRANSFER CERTIFICATE

Sl.No. 0189/2010

Roll No. 07 ME OC PT 01

1. Name of the student : K. KALAISELVI
2. Name of the Parent / Guardian : P.S. KANAGARAJAN
3. Nationality , Religion and Community: Indian, Hindu, NADAR (BC)
4. Sex : Female
5. Date of Birth (in figures and words) : 26.03.1980
as entered in the Admission Register (Twentysixth March Nineteen Eighty)
6. Course of Study : P.T. M.E. OPTICAL COMMUNICATION ENGINEERING
7. Date of Admission to this College : 13.09.2007
8. a) Whether the student has paid all the fees due to the college ? : YES
b) Whether the student was in receipt of any scholarship : NO
9. Whether the student has undergone Medical inspection during the year : YES
10. Reasons for leaving the College : COURSE COMPLETED.
11. Date of leaving : 27.05.2010
12. Date on which application for Transfer certificate was made by the student : 28.05.2010
or on his/her behalf by Parent / Guardian
13. Date of the Transfer certificate : 28.05.2010

SEAL



A. K. K.
VICE PRINCIPAL
Alagappa Chettiar College Of
Engineering and Technology
Karaikudi - 630 004
P.S. Kanaganathan
28/5/10
28/5/10

आयकर विभाग
INCOME TAX DEPARTMENT



भारत सरकार
GOVT. OF INDIA

KALAI SELVI
KANAGARAJAN

26/03/1980

Permanent Account Number

AWHPK5022B



K. Kalai Selvi
Signature

In case this card is lost / found, kindly inform / return to :
Income Tax PAN Services Unit, UTITSL
Plot No. 3, Sector 11, CBD Belapur,
Navi Mumbai - 400 614.

इस कार्ड के खोने/पाने पर कृपया सूचित करें/लौटाएं :
आयकर पैन सेवा यूनिट, यू टी आई टी एस एल,
प्लॉट नं: ३, सेक्टर ११, सी.बी.डी.बेलापूर,
नवी मुंबई-४०० ६१४.



सत्यमेव जयते

India Driving Licence(Tamilnadu)

Form 7

DOI 18/01/2010

D.L.No : TN69 20100000385

Name : KALAISELVI K

S/D/W of : KANAGARAJAN P S

Address :

82 THAMIL NAGAR

NGO A COLONY EXTENSION

PALAYAMKOTTAI ,TIRUNELVELI 627007

Temp.Add:

D.O.B. : 26/03/1980

B.G. :



Punishments:

End.No. : TN72 /DLA/0000854/2017 13/06/2017 2:04:23 PM

Licensed to drive throughout India, vehicles of the following descriptions

M/CYCL.WOG 18/01/2010 TN69

Non-Transport Veh. Valid upto 17/01/2030



K. Kulai Selvi

Signature/L. T.I
of the Holder

[Signature]
13/06/2017

Assessing Authority
RTO, NGO-COLONY, TIRUNELVELI

BC

சான்றிதழ் எண் :
Certificate No :



மாவட்டக் குறியீடு எண் :
District Code

1	9
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வட்டக் குறியீடு எண் :
Taluk Code

0	1
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கிராமக் குறியீடு எண் :
Village Code

0	2	8
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1266533

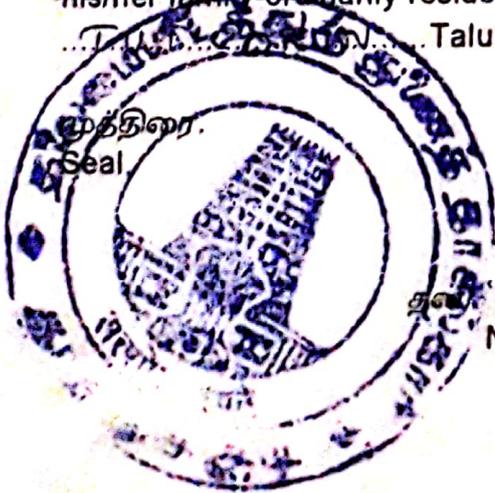
சாதிச் சான்றிதழ்
COMMUNITY CERTIFICATE

மாவட்டம்.....வட்டம்
கிராமம்/நகரம், திரு. / திருமதி / செல்வி/
செல்வன்.....தகப்பனார்/
கணவர் பெயர்.....
வகுப்பைச் சார்ந்தவர், அரசு ஆணை எண். 1564, சமூக நலத்துறை நாள் :
30-7-1985 வரிசை எண்.....படி, பிற்பட்ட பிரிவினைச் சார்ந்தவர்
எனச் சான்றளிக்கப்படுகிறது.

This is to certify that... KALAISELVI..... Son / Daughter
of Thiru... KANAGARATHAN..... of TUTICORIN II
..... Village / Town, TUTICORIN..... Taluk.....
CHIDAMBARANAR District of the State of Tamil Nadu belongs to
HINDU NADAR..... Community, which is recognised as
a Backward Classes as per Government Order (Manuscript series) No. 1564,
Social Welfare Department, dated 30th July 1985 vide Serial No. 82.....

2. திரு / திருமதி / செல்வன் / செல்வி.....
என்பவரும் அவருடைய குடும்பத்தினரும் தமிழ்நாட்டில்.....
மாவட்டத்தில்..... வட்டத்தில்.....
கிராமத்தில் / நகரத்தில் வசித்து வருகிறார்கள் எனச் சான்றளிக்கப்படுகிறது.

2. It is certified that Thiru/Tmt/Selvan/Selvi... KALAISELVI... and
his/her family ordinarily reside(s) at TUTICORIN II Village/Town
..... Taluk CHIDAMBARANAR District of Tamil Nadu.



கையொப்பம் :
Signature

M. SURENDRANATH
ZONAL DEPUTY TAHSILDAR
TUTICORIN.

நாள் :
Date

எழுத்துக்களில் பெயர் :
Name in Capital Letters

பதவிப் பெயர் :
Designation