



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

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:23-06-2020

Department	ELECTRONICS AND COMMUNICATION ENGINEERING	Application No.	20200119
Area of Research	NANOELECTRONICS	Research Mode	PART TIME

Name :SARITHA.N.R
Date of Birth / Age :11-05-1983 / 37 Years
Gender :FEMALE
Category :OBC
e-Mail ID :nr.saritha5440@gmail.com
Mobile :9895275782



Saritha.N.R.

Father's/Husband's Name	M.K RAVEENDRAN	Father's/Husband's Occupation	AGRICULTURE
Family Income	400000	Residential Type	RURAL
Birth Place	CHERTHALA	Mother Tongue	MALAYALAM
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	837053209750	PAN No.	CLKPS2399B
Physically Challenged	NO	Type of Disability	-
Address for Communication: NJETTURPADICKAL VAIKOM PO VAIKOM KOTTAYAM DISTRICT KERALA INDIA Pin-686141		Permenant Address: NJETTURPADICKAL VAIKOM P.O VAIKOM KOTTAYAM DISTRICT KERALA INDIA Pin-686141	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
MTECH	APPLIED ELECTRONICS	MG UNIVERSITY	2008	73	FIRSTCLASS	REGULAR
MSC	ELECTRONICS	MG UNIVERSITY	2005	78	FIRSTCLASS	REGULAR
BSC	ELECTRONICS	MG UNIVERSITY	2003	70	FIRSTCLASS	REGULAR

Experience				
Organization	Designation	Experience From	Experience TO	Work Nature
SREEBUDDHA COLLEGE OF ENGINEERING PATTOOR ALAPPUZHA KERALA	ASSISTANT PROFESSOR	2008-08-18	2020-06-23	TEACHING

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
20200119_200626102353	SUR28933895764	26-06-2020	600	SUCCESS

Proposed Area and Topic of Research

Name of the Candidate : SARITHA.N.R

Field of Research : NANO-ELECTRONICS

Proposed title of the work:

Performance Evaluation of High Electron Mobility Transistor for future high power and high frequency applications. To design and model GaN High Electron Mobility Transistor for high power RF applications. The main purpose of the field plate is to reshape the electric field distribution in the channel and to reduce its peak value on the drain side of the gate edge.

Novelty

High speed and high frequency applications. Introducing a field plate in AlGaIn/GaN HEMTs reduces the current collapse which in turn increases the power performance. It will increase of the breakdown voltage and a reduced high-field trapping effect. Overall the power density will be increased.

References:

- [1] F. Medjdoub, J.F. Carlin, C. Gaquière N. Grandjean and E. Kohn The Open Electrical and Electronic Engineering Journal, 2008, 2, 1-7.
- [2] Rashmi a, AbhinavKranti a, S. Haldar b, R.S. Gupta Solid-State Electronics 46 (2002) 621–63
SourabhKhandelwal and Tor A.Fjeldly IEEE Volume: 58, Issue: 10 Oct2011.
- [3] T.R.Lenka, A.K.Panda Advanced Materials Research, 159,342(2010).
- [4] Nitride Semiconductor Devices Principles and Simulation Edited by Joachim Piprek@2007
WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim.

Register No.
&
Year

964.6
June 2003

Mahatma Gandhi University



FACULTY OF TECHNOLOGY AND APPLIED SCIENCES

*The Syndicate of the Mahatma Gandhi University
hereby makes known that*

Saritha N.R.

has been admitted to the

Degree of Bachelor of Science

under Electronics with Computer Hardware... Branch

*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 June 2003.

Given under the seal of the University.

University Buildings,
Kottayam - 686 560
Kerala, India

19 August 2004



Nil
Vice-Chancellor

Register No.
&
Year

65591

May 2005

Mahatma Gandhi University



FACULTY OF TECHNOLOGY AND APPLIED SCIENCES

The Syndicate of the Mahatma Gandhi University
hereby makes known that

Saritha N. R.

has been admitted to the
Degree of Master of Science

he/she having been certified by duly appointed examiners to be
qualified to receive the same and having been by them placed
after passing the prescribed examinations, in the **First** class in

Branch **Electronics**

at the examination held in **May 2005**

Given under the seal of the University.

Vice-Chancellor

University Buildings
Kottayam - 686 560
Kerala, S. India

Dated **19 January 2007**



Register No. 16015
&
Year November 2008

Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No. 3431/Leg. C1/85/Law, dated 17th April 1985)



FACULTY OF ENGINEERING & TECHNOLOGY

The Syndicate of the Mahatma Gandhi University

hereby makes known that

Savitha N. R.

has been admitted to the

Degree of Master of Technology

under Applied Electronics Branch

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 November 2008

Given under the seal of the University.

University Buildings,
Kottayam - 686 560
Kerala, India

Dated 7 October 2009




Vice-Chancellor

ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr./Ms./Mrs. SARITHA. N.R is employed as ASSISTANT PROFESSOR (Designation) in the ELECTRONICS & COMMUNICATION ENGG (Department/Division Name) of SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR, ALAPPUZHA (Institution/Industry Name). KERALA

We have no objection in forwarding his/her application for the Ph.D. Research Programme.

FOR FULL TIME:

The candidate will be sanctioned leave for the duration of the research programme and will be relieved from duty from _____ to _____ to undertake the full time research work in the University.

FOR PART TIME:

The candidate will be permitted to undertake part time study in the University/College and will be allowed to be present for discussions with the supervisor, attending course works, conduct of experiments and participations in seminars and related presentations. Further the required facilities at our organization will also be provided to the candidate for doing research.

Dr. S. SURESH BABU

PRINCIPAL

Signature of the Head of Organization with office seal

SREE BUDDHA COLLEGE OF ENGINEERING
PATTOOR P.O., NOORANAD
ALAPPUZHA (Dist). PIN-690 529

Date: 25/05/2020

25/5/2020
AB





Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No. 3431/Leg.CI/85/Law, dated 17th April 1985)

Book No. : **1**

Serial No. **14**

Section : EH- XIV

KOTTAYAM,

Register No. : 16015



Dated **4 FEB 2009**

MEMORANDUM

The following marks were awarded to Shri/Smt. Saxitha N.R.
at the Fourth and Final M.Tech Degree Examination held in November 2008.

Branch : APPLIED ELECTRONICS

Subject Code	SUBJECTS	Marks awarded	Pass Minimum	Maximum Marks	Credit
MAE 4101	Thesis - Final	120	80	200	12
	Evaluation - Viva	250	200	400	
	Sessional	370	300	600	
	Marks carried over from I, II & III Semesters	1866	1300	2600	52
	Grand Total	2236	1600	3200	64
	Grand Total in words	Two Two Three Six			

Pass Minimum : 40% of written / Practical 50% of sessional for each subject and 50% of the total of each subject.

Marks entered by : [Signature]
 Marks checked by : [Signature]
 Section Officer : [Signature]
 Asst. Registrar : [Signature]

[Signature]
CONTROLLER OF EXAMINATIONS

MAHATMA GANDHI UNIVERSITY
COLLEGE OF ENGINEERING
THODUPUZHA KERALA, INDIA



No 219

Date 30-12-2009

Ad.No. M017.

TRANSFER CERTIFICATE

- 1 Name of the Student SARITHA N R
- 2 Date of birth 11-05-1983
(Eleventh May Nineteen Eighty Three)
- 3 Date of Admission & Class 18-12-2005 & M.Tech.Applied Electronics(Regular)
- 4 Date of Leaving 31-12-2008
- 5 Class in which studied at the time of leaving Fourth Semester
- 6 Subjects studied / branch of study at the time of leaving M.Tech Applied Electronics(Regular)
- 7 Whether qualified for promotion to a higher class / Reason for leaving Course Completed
- 8 Whether he/she has paid all fees and other dues Yes
- 9 Name of the examination of the university for which the student has been last presented from the college IV Semester M.Tech
16015/Nov 2008
- 10 Reg. No & year of Exam
- 11 Whether appeared for the examination Yes



[Signature]
Asst

[Signature]
AO

[Signature]
AR

[Signature]
ASSISTANT PRINCIPAL
MAHATMA GANDHI UNIVERSITY COLLEGE OF ENGINEERING
THODUPUZHA KERALA - 686 027



SREE BUDDHA COLLEGE OF ENGINEERING

PATTOOR P.O., ALAPPUZHA DIST., KERALA. PIN - 690 529

Approved by AICTE, New Delhi & Affiliated to APJ Abdul Kalam Technological University, Kerala
Tel.0479-2375440,42,43. e-mail: principal@sbce.ac.in / sreebuddha@ktu.edu.in website: www.sbce.ac.in
Managed by Sree Buddha Educational Society, Kollam - 691 021

No: SBCE/EC/1246/2020

10-06-2020

EXPERIENCE CERTIFICATE

This is to certify that Ms. Saritha. N.R, Njettoor Padickal, Vaikom, Kottayam, Kerala has been working as Lecturer from 18-08-2008 to 31-05-2010 and Assistant Professor from 01-06-2010 to till date in the Department of Electronics & communication Engineering of this institution. Her conduct and character are good to the best of my knowledge and belief.

This certificate is issued on her request for registering part time Ph.D at Kalasalingam Academy of Research and Education Tamilnadu.



(Signature)
10/6/2020
Pr

PRINCIPAL

आयकर विभाग
INCOME TAX DEPARTMENT

भारत सरकार
GOVT. OF INDIA

SARITHA N R
MADATHIL KESHAVAN RAVEENDRAN

11/05/1983
Permanent Account Number
CLKPS2399B

Saritha .NR
Signature



Self Attested

Saritha .NR

INDIAN UNION
KERALA STATE
DRIVING LICENCE



No.: 36/2085/2012 Date: 31/05/2012

Name : SARITHA N R
S/W/D of : M K RAVEENDRAN
Address : NJETTUPADICKAL
 VAIKOM P O
 VAIKOM
 KOTTAYAM

Date of Birth : 11/05/1983

Blood Group : A+

Category	Valid from	Valid To
Non-Transport	31/05/2012	30/05/2032
Transport		



NO:VKM 1331/2013
Ref:C3.2943/2013/20

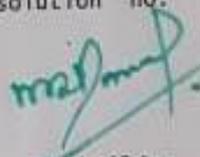
Taluk Office: Vaikom
Dated : 03/05/2013

NON-CREAMY LAYER CERTIFICATE

This is to certify that Smt.SARITHA.N.R. D/o M.K.RAVEENDRAN, NJETTUPADICKAL HOUSE, VAIKOM P.O., Vaikom Village, Vaikom Taluk, Kottayam District, Kerala State belongs to the Hindu religion EZHAHA community, which is designated as a Backward Class under

- i) Resolution No.12011/68/93-BCC (C) dated the 10th September 1993 published in the Gazette of India Extraordinary Part I, Section No.186 dated the 13th September, 1993.
- ii) Resolution No.12011/9/94-BCC dated the 19th October 94 published in the Gazette of India Extraordinary Part I, Section No.163 dated the 20th October, 1994.
- iii) Resolution No.12011/7/95-BCC dated the 25th May 1995 published in the Gazette of India Extraordinary Part I, Section No.88 dated the 25th May, 1995.

Smt.SARITHA.N.R. and her family ordinarily resides in the Kottayam District of the Kerala State. This is also to certify that she does not belong to the persons/sections (Creamy Layer) mentioned in column 3 of the Schedule to the Government of India, Department of Personnel and Training O.M.No.36012/22/93-Estt(SCT) dated 8.9.1993 / and resolution no. 12011/96/94 BCC of 9-3-96 of Govt. of India.



Tahsildar
Vaikom

Office Seal

Note: a) The term ordinarily used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

b) The authorities competent to issue caste certificates are (i) District Magistrate / Additional District Magistrate/Collector / Deputy Collector / deputy Commissioner / Adl.dy.commissioner / deputy collector / Ist Class Stipendiary Magistrate / Sub-Divisional Magistrate / Taluk Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate). (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate. (iii) Revenue Officer not below the rank of Tahsildar and (iv) Sub Divisional Officer of the area where the candidate and / or his family normally resides.

NO:VKM 1331/2013
Ref:C3.2943/2013/20

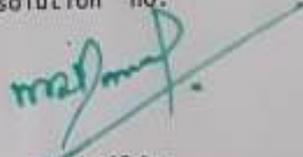
Taluk Office: Vaikom
Dated : 03/05/2013

NON-CREAMY LAYER CERTIFICATE

This is to certify that Smt.SARITHA.N.R. D/o M.K.RAVEENDRAN, NJETTUPADICKAL HOUSE, VAIKOM P.O., Vaikom Village, Vaikom Taluk, Kottayam District, Kerala State belongs to the Hindu religion EZHAVA community, which is designated as a Backward Class under

- i) Resolution No.12011/68/93-BCC (C) dated the 10th September 1993 published in the Gazette of India Extraordinary Part I, Section No.186 dated the 13th September, 1993.
- ii) Resolution No.12011/9/94-BCC dated the 19th October 94 published in the Gazette of India Extraordinary Part I, Section No.163 dated the 20th October, 1994.
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