KALASALINGAM
ACADEMY OF RESEARCH AND EDUCATION
(DEEMED TO BE UNIVERSITY)
Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A" Grade

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

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:07-09-2024

Department	INFORMATION TECHNOLOGY	Application No.	20240016
Area of Research	MACHINE LEARNING	Research Mode	PART TIME

Name :NAGARAJAN C

Date of Birth / Age :26-04-1985 / 39 Years

Gender :MALE

Category :BC

e-Mail ID :nagasatkvp@gmail.com

Mobile :8248914815

Father's/Husband's Name	CHANDRA MOHAN N	Father's/Husband's Occupation	COOLI
Family Income	150000	Residental Type	URBAN
Birth Place	KOVILPATTI	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	831170963092	PAN No.	BDYPN4122Q
Physically Challenged	NO	Type of Disability	-

Address for Communication:
203
FOREST ROAD 6TH STREET
THENI
THENI DISTRICT
TAMILNADU
INDIA
Pin-625531

Permenant Address:
203
FOREST ROAD 6TH STREET
THENI
THENI DISTRICT
TAMILNADU
INDIA
Pin-625531

Qualification

Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
BCA	COMPUTER APPLICATIONS	THENI COLLEGE OF ARTS AND SCIENCE THENI	2006	57.17	SECOND CLASS	REGULAR
M.SC	INFORMATION TECHNOLOGY	G.V.N COLLEGE	2008	67	FIRST CLASS	REGULAR
M.PHIL	INFORMATION TECHNOLOGY	MANONMANIAM SUNDARANAR UNIVERSITY	2013	81.87	FIRST CLASS WITH DISTINCTION	REGULAR

Experience

Organization	Designation	Experience From	Experience TO	Work Nature
THENI KAMMAVAR SANGAM COLLEGE OF ARTS AND SCIENCE	ASSISTANT PROFESSOR	2010-07-01	1970-01-01	TEACHING

Payment Details

Transaction ID	Reference	Date of transaction	Amount	Status
20240016_240907211459	ZHD5Y4C00P98S0	07-09-2024	600	SUCCESS

RESEARCH PROPOSAL

A vehicular network based intelligent transport system for smart cities using machine learning algorithms

Smart cities and the Internet of Things have enabled the integration of communicating devices for efficient decision-making. Notably, traffic congestion is one major problem faced by daily commuters in urban cities. In developed countries, specialized sensors are deployed to gather traffic information to predict traffic patterns. Any traffic updates are shared with the commuters via the Internet.

Such solutions become impracticable when physical infrastructure and Internet connectivity are either non-existent or very limited. In case of developing countries, no roadside units are available and Internet connectivity is still an issue in remote areas. Internet traffic analysis is a thriving field of study due to the myriad ways in which it may be put to practical use. In the intelligent Internet-of-Vehicles (IOVs), traffic congestion can be predicted and identified using cutting-edge technologies.

Using tree-based decision-tree, random-forest, extra-tree, and XGBoost machine learning (ML) strategies, this research proposes an intelligent-transport-system for the IOVs-based vehicular network traffic in a smart city set-up. The suggested system uses ensemble learning and averages the selection of crucial features to give high detection accuracy at minimal computational costs, as demonstrated by the simulation results.

For IOV-based vehicular network traffic, the tree-based ML approaches with feature-selection (FS) outperformed those without FS.The stacking model outperforms the KNN (96.6%) and the SVM (98.01%) in terms of classification accuracy. Dos and Sybil are just two of the many possible attacks on this work. In future, this work would be used to evaluate the performance of the other resources of smart-city like Environmental Conditions, Energy Consumption, Healthcare and Security Surveillance, etc.

மதுரை காமராசர் பல்கலைக்கழகம்
Madurai Kamaraj University

UNIVERSITY WITH POTENTIAL FOR EXCELLENCE

அறிவியற் புலம்

FACULTY OF SCIENCE

மதுரை காமராசர் பல்கலைக்கழக ஆட்சிப்பேரவை

நாகராஜன். ச.

கணினிப் பயன்பாட்டியல் இளையர் பட்டம்

பெறுதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற தேர்விளோர் _____ ஏப்பிரல் 2006 _____ இல் நடை பெற்ற

தேர்வுகளில் சான்றளித்தவாறு. _____ இரண்டாம் வகுப்பு

பெற்று இச்சான்றிதழ் பெறுதந்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக இலச்சினையுடன் இது வழங்கப்படுகின்றது.

The Senate of the **MADURAI KAMARAJ UNIVERSITY**

hereby makes known that _____ *NAGARAJAN C* _____ has been admitted to the

DEGREE OF BACHELOR OF COMPUTER APPLICATIONS

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

them in the _____ 'SECOND CLASS' _____ at the Examination held in _____ APRIL 2006

Register No. : _____ A3108904 _____ Centre Code : _____ 235

Given under the seal of the University

S. பல்கலைநகர், மதுரை - 625 021
Palkalainagar, Madurai - 625 021
நாள் Dated 15 December 2006

பதிவாளர் பொறுப்பு
Registrar In - charge

துணைவேந்தர்
Vice-Chancellor

Reg. No. 2663751

மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்
Manonmaniam Sundaranar University

அறிவியற் புலம்

FACULTY OF SCIENCE

மனோன்மணியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு

நாகராஜன் ச

தகவல் தொழில்நுட்பவியலில் அறிவியல் நிறைஞர்

பட்டம் பெறுதற்குத் தகுதியுடையவர் என முறையாக அமைக்கப்பெற்ற தேர்வினோர் சான்றளித்தவாறு ஏப்பிரல் 2008 இல் நடத்திய தேர்வுகளில் சான்றளித்தபடி, அன்னவர் முதல் வகுப்புப்பெற்ற இந்தப் பட்டப்பேற்றுக்கு உரியவர் ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the **MANONMANIAM SUNDARANAR UNIVERSITY** hereby makes known that ___NAGARAJAN C___

has been admitted to the Degree of ___

MASTER OF SCIENCE IN INFORMATION TECHNOLOGY

he / she having been certified by duly appointed Examiners to be qualified to receive the same at the Examination held in **APRIL 2008** and having been placed in the ___**FIRST CLASS**___

Given under the seal of the University.

திருநெல்வேலி, இந்தியா
Tirunelveli, India
நாள். Dated **11 NOV 2008**

Controller of Examinations

Registrar

Vice-Chancellor

MADURAI KAMARAJ UNIVERSITY

BACHELOR OF COMPUTER APPLICATIONS (SEMESTER)

STATEMENT OF MARKS

SSG 3 0027283

NAME OF THE CANDIDATE	REGISTER NO.	CENTRE NO.	COLLEGE OF STUDY	EXAM M&YR	DATE OF PUBLICATION
NAGARAJAN C	A3108904	035	THENI COLLEGE OF ARTS & SCIENCE, THENI	APR 2006	09-JUN-2006

SUB CODE	SUBJECT DESCRIPTION	MAX MARKS I	E	T	MARKS OBTAINED I	E	T	R	M&YR
1A1	TAMIL PAPER - I	--	100	100	--	056	056	P	N03
1A2	TAMIL PAPER - II	--	100	100	--	045	045	P	A04
3A1	ENGLISH PAPER - I	--	100	100	--	041	041	P	N03
3A2	ENGLISH PAPER - II	--	100	100	--	040	040	P	A04
B11	DISCRETE MATHEMATICS	--	100	100	--	060	060	P	A04
B12	PROGRAMMING IN C	--	100	100	--	040	040	P	N03
B13	DIGITAL PRINCIPLES AND APPLICATIONS	--	100	100	--	051	051	P	N03
B21	OPERATION RESEARCH	--	100	100	--	040	040	P	A04
B22	PC SOFTWARE FOR WINDOWS	--	100	100	--	036	036	P	A04
B23	COBOL PROGRAMMING	--	100	100	--	040	040	P	A04
B31	COMPUTER ORGANISATIONS	--	100	100	--	035	035	P	N04
B32	COMPUTER GRAPHICS	--	100	100	--	052	052	P	N04
B33	OBJECT ORIENTED PROGRAMMING WITH C++	--	100	100	--	052	052	P	N04
B34	COMPUTER ALGORITHMS & DATA STRUCTURE	--	100	100	--	035	035	P	N04
B41	OPERATING SYSTEMS	--	100	100	--	061	061	P	A05
B42	ACCOUNTANCY	--	100	100	--	041	041	P	A05
B43	JAVA PROGRAMMING	--	100	100	--	045	045	P	A05
B44	COMPUTER ORIENTED NUMERICAL METHODS	--	100	100	--	043	043	P	A05
B51	SOFTWARE ENGINEERING	--	100	100	--	059	059	P	N05
B52	COSTING	--	100	100	--	036	036	P	N05

SUB CODE	SUBJECT DESCRIPTION	MAX MARKS I	E	T	MARKS OBTAINED I	E	T	R	M&YR
B53	CLIENT SERVER COMPUTING WITH ORACLE	--	100	100	--	038	038	P	N05
B54	DATABASE MANAGEMENT SYSTEM	--	100	100	--	064	064	P	N05
B61	COMPUTER NETWORKS	--	100	100	--	060	060	P	A06
B62	COMPUTERS IN BUSINESS APPLNS.	--	100	100	--	037	037	P	A06
B63	SYSTEM SOFTWARE	--	100	100	--	046	046	P	A06
B64	MULTIMEDIA TECHNOLOGY & APPLNS.	--	100	100	--	061	061	P	A06
BPA	MAJOR PRACTICAL I DIGITAL DESIGN LAB.	--	100	100	--	040	040	P	N03
BPB	MAJOR PRACTICAL II PROGRAMMING IN	--	100	100	--	073	073	P	N03
BPC	MAJOR PRACTICAL III PC SOFTWARE LAB	--	100	100	--	084	084	P	A04
BPD	MAJOR PRACTICAL IV COBOL LAB	--	100	100	--	079	079	P	A04
BPE	MAJOR PRACTICAL V - C++ LAB	--	100	100	--	080	080	P	N04
BPF	MAJOR PRACTICAL VI - GRAPHICS LAB	--	100	100	--	067	067	P	N04
BPG	MAJOR PRACTICAL VII - JAVA & HTML LAB	--	100	100	--	086	086	P	A05
BPH	MINI PROJECT	--	100	100	--	076	076	P	A05
BPI	MAJOR PRACTICAL IX - VISUAL BASIC	--	100	100	--	055	055	P	N05
BPJ	MAJOR PRACTICAL X - ORACLE	--	100	100	--	090	090	P	N05
BPK	MAJOR PRACTICAL XI - DTP	--	100	100	--	093	093	P	A06
BPU	PROJECT	--	100	100	--	090	090	P	A06
CKL	PART IV - GENERAL KNOWLEDGE	--	100	100	--	050	050	P	N05

CLASS	PART I — SECOND
	PART II — THIRD
	PART III — SECOND

PASSING MINIMUM — 35

TOTAL MARKS	PART I — 0101/200
	PART II — 0081/200
	PART III — 1944/3400

C. Nagarajan
Signature of the Candidate

Pasubalai Nagar

Dr S SHANMUGIAH
Controller of Examinations

மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்
MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI, TAMILNADU, INDIA.

SL. No. TF00000172

M.Sc. Degree Examination (Semester System)
STATEMENT OF MARKS

Branch : INFORMATION TECHNOLOGY

NAME OF THE CANDIDATE	REGISTER NO	DATE OF PUBLICATION
NAGARAJAN C	2663751	09/07/08

COLLEGE OF STUDY	COLL. NO.	CEN. NO.	EXAM. M & YEAR
G.VENKATASWAMY NAIDU COLLEGE KOVILPATTI	404	404	APRIL-2008

SUB	MARKS OBTAINED	R	M/YR	SUB	MARKS OBTAINED	R	M/YR
FT11	51	P	N-06	FT12	54	P	N-06
FT13	51	P	N-06	FT14	53	P	N-06
FTLA	65	P	N-06	FTLB	75	P	N-06
FT21	61	P	A-07	FT22	57	P	A-07
FT23	50	P	A-07	FT24	64	P	A-07
FTLC	95	P	A-07	FTLD	94	P	A-07
FT31	64	P	N-07	FT32	70	P	N-07
FT3B	58	P	N-07	FT3Q	59	P	N-07
FTLE	85	P	N-07	FTLF	87	P	N-07
F4PT	80	P	A-08				

TOTAL MARKS : 1273/1900

CLASS : FIRST

Signature of the Candidate

Dr. N. Kannan
Controller of Examinations

TAMILNADU TEACHERS EDUCATION UNIVERSITY
(Established under Tamil Nadu Act33 of 2008)
Gangaiamman Kovil Street, Karapakkam, Chennai – 600 097

TRANSFER CERTIFICATE

SI.No.585

Admission No.055/2020-2021

1. Name of the College : KKG COLLEGE OF EDUCATION, Kondureddipatti, Peraiyur – 625703, Madurai (DT). Affiliated to Tamil Nadu Teachers Education University, Chennai – 97 Vide Lr. No. TNTEU/R/Syn-AUG-15-Item.No.02/Oreder-B.Ed (N)/2015/1511 Dt.31.08.2015 Recognized by NCTE, Bangalore, Vide Lr.No.F.No.SRO/NCTE/SRCAPP2047/B.Ed/TN/2015/62211 Date. 03.03.2015.

2. Name of the Student
   a) In English : NAGARAJAN C
   b) In Tamil : நாகராஜன் ச

3. Name of Father/Mother/Guardian : N. CHANDRA MOHAN

4. Nationality, Religion and Caste : Indian, Hindu, Vadugar

5. Community : OC ☐ BC ✓ MBC ☐ DNC ☐ SC/SC(A)/ST ☐

6. Gender : MALE

7. Date of Birth (in figures and words) : 26.04.1985 (Twenty Six April Nineteen Eighty Five)

8. Course of Study : B.Ed

9. Academic Year of Study : 2020 - 2022

10. Pedagogic Subject Studied : COMPUTER SCIENCE

11. Medium of Study : TAMIL

12. Date of Admission : 05.10.2020

13. Date of Leaving : 29.07.2022

14. Reason for Leaving : Course Completed

15. Whether qualified for Promotion to Higher Studies : Refer to Statement of Marks

16. Conduct and Character : Good

17. Whether the student received any scholarship : NO

18. Date of issue of Transfer Certificate : 20.04.2023

Office Seal

Date: 20.4.23

Declaration

I declare that the particulars recorded against 1 to 10 are correct and that no other certificate will be demanded by me in future.

Signature of the Principal
Principal
KKG College of Education
KR Educational and Charitable Trust
Kondureddipatti, Peraiyur (Tk),
Madurai (Dt.) - 625 703

Signature of the Student

THENI KAMMAVAR SANGAM
COLLEGE OF ARTS & SCIENCE
Affiliated to Madurai Kamaraj University - (Co-Education)
Kammavar Nagar. Koduvilarpatti. Theni

04546 – 250882 (off) 250883 (Principal) 89251 92579 www.tkscas.com tksclgas@gmail.com

Dr.G.Srinivasan MFC.,M.Com.,MBA.,M.Phil.,PGDCA.,Ph.D.   **Date : 22.07.2024**
Principal

SERVICE CERTIFICATE

This is to certify that Mr.C.Nagarajan, is working as an Assistant Professor in the Department of Computer Science in our Institution from 01.07.2010 to till date.

PRINCIPAL 22/7/24
Principal
Theni Kammavar Sangam
College of Arts and Science
Kammavar Nagar, Koduvilarpatti
Theni - 625 534.

आयकर विभाग
INCOME TAX DEPARTMENT

भारत सरकार
GOVT. OF INDIA

स्थायी लेखा संख्या कार्ड
Permanent Account Number Card

BDYPN4122Q

नाम / Name
NAGARAJAN C

पिता का नाम / Father's Name
CHANDRA MOHAN

जन्म की तारीख / Date of Birth
26/04/1985

इस्ताक्षर/ Signature

14/01/2017

इस कार्ड के खोने / पाने पर कृपया सूचित करें / लौटाएं :
आयकर पैन सेवाइकाई, एम एस डी एल
5 वीं मंजिल, मंत्री स्टर्लिंग, प्लॉट न. 341, सर्वे न. 997/8,
मॉडल कालोनी, दीप बंगला चौक के पास,
पुणे – 411 016.

*If this card is lost / someone's lost card is found,
please inform / return to :*
Income Tax PAN Services Unit, NSDL
5th floor, Mantri Sterling,
Plot No. 341, Survey No. 997/8,
Model Colony, Near Deep Bungalow Chowk,
Pune – 411 016.

Tel: 91-20-2721 8080, Fax: 91-20-2721 8081
e-mail: tininfo@nsdl.co.in

India Driving Licence(Tamilnadu)

Form 7

DOI 15/12/2010

D.L. No   TN60 20100008048
Name   NAGARAJAN C
S.D/W of CHANDRA MOHAN N
Address
6.H ,FOREST ROAD 6TH STREET
THENI ALLINAGARAM
THENI DT
Temp.Add:

D.O.B   26.04.1985   B.G

Ponnismittes

Licensed to drive throughout India, vehicles of the following descriptions
M/CYCL. WG 15/12/2010   TN60

Non-Transport Veh. Valid upto   **14/12/2030**

Signature/T.I
of the Holder

Issuing Authority
TD. THENI

R.Dis. 5821 /2000 dt. 8/2K

GCP(ET3)-26-7 - 7.47,100 Cps.-10-5-99

BC	மாவட்டக் குறியீடு எண்ண District Code	2 9
சான்றிதழ் எண் Certificate No	வட்டக் குறியீடு எண் Taluk Code	0 2
3141510	கிராமக் குறியீடு எண் Village Code	0 1 7

சாதிச் சான்றிதழ்
COMMITTEE CERTIFICATE

ேணி மாவட்டம் ேணி வட்டம்

ஆிமாநகரம் கிராமம்/நகரம், திரு / திருமதி / செல்வி/

செல்வன் நாகராஜன் தகப்பனார்/கணவர்

பெயர் சாந்திரமோகன்

பெயர் ஆதி. வருணா

வகுப்பைச் சார்ந்தவர், அரசு ஆணை நிலை எண். 28 பிறபட்ட மற்றும் மிகவும் பிறபட்ட பிரிவின் நலத்துறை நாள் 19-7-1994 வரிசை எண் 50 படி, பிறபட்ட பிரிவினைச் சார்ந்தவர் எனச் சான்றளிக்கப்படுகிறது.

This is to certify that..... NAGA ROJAN .....Son / Daughter of Thiru ..... CHANDRA MOHON ..... of ..... PUDINACORAM .....

..... Village / Town, ... THENI ..... Taluk, ... THENI .....

District of the State of Tamil Nadu belongs to ..... NADU VADUGOR ..... Community, which is recognised as a Backward Class as per Government Order (Manuscript series) No. 28, Backward Classes and Most Backward Classes Welfare dated 19th July 1994. vide Serial No. ..... 50 .....

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

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

கை ..... ்ம்

Signature :

நாள்

Date :

தனி எழுத்துக்களில் பெயர்

Name in Capital Letters

பதவிப் பெயர்

Designation

வீ போஸ், பி.என்.டி.

தலைமையிடத்து துணை வட்டாட்சியர்

தேனி

ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr./Ms./Mrs. _NAGARAJAN. C_ is
employed as _ASSISTANT PROFESSOR_ (Designation) in the
COMPUTER SCIENCE & INFORMATION TECHNOLOGY (Department/Division Name)
of _THENI KAMMAVAR SANGAM COLLEGE OF ARTS & SCIENCE_
(Institution/Industry Name).

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.

Date: 06/9/2024.

Signature of the Head of Organization with office seal
06/9/2024
Principal
Theni Kammavar Sangam
College of Arts and Science
Kammavar Nagar, Koduvilarpatti
Theni - 625 534.

THENI KAMMAVAR SANGAM COLLEGE OF ARTS & SCIENCE
KODUVILARPATTI
THENI-625 534