



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

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:22-05-2020

Department	MATHEMATICS	Application No.	20200008
Area of Research	PROBABILITY AND QUEUEING THEORY	Research Mode	PART TIME

Name :KARTHIKEYAN K
Date of Birth / Age :15-05-1984 / 36 Years
Gender :MALE
Category :MBC
e-Mail ID :kkarthik15584@gmail.com
Mobile :9940430687



K. Karthik

Father's/Husband's Name	G.KASIVEL	Father's/Husband's Occupation	FARMER
Family Income	384000	Residential Type	RURAL
Birth Place	VILLUPURAM DISTRICT	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	416975326107	PAN No.	CINPK5968G
Physically Challenged	NO	Type of Disability	-

Address for Communication:
 NO.2/60 A
 PILLAIYAR KOVIL STREET,ALINJIVAKKAM VILLAGE,VADAKARAI
 REDHILLS
 THIRUVALLUR DISTRICT
 TAMIL NADU
 INDIA
 Pin-600052

Permenant Address:
 NO. 2/60 A
 PILLAIYAR KOVIL STREET, ALINJIVAKKAM VILLAGE,VA
 REDHILLS
 THIRUVALLUR DISTRICT
 TAMIL NADU
 INDIA
 Pin-600052

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
B.SC	MATHEMATICS	UNIVERSITY OF MADRAS	2004	70%	FIRST CLASS	REGULAR
M.SC	MATHEMATICS	UNIVERSITY OF MADRAS	2006	76%	FIRST CLASS WITH DISTINCTION	REGULAR
M.PHIL	MATHEMATICS	ALAGAPPA UNIVERSITY	2008	54%	SECOND CLASS	DISTANCE
B.ED	MATHEMATICS	TAMILNADU TEACHERS EDUCATION UNIVERSITY	2009	77%	FIRST CLASS	REGULAR

Experience				
Organization	Designation	Experience From	Experience TO	Work Nature
BAJARANG ENGINEERING COLLEGE	LECTURER	2009-08-06	2010-06-23	TEACHING

JAYA ENGINEERING COLLEGE	ASSISTANT PROFESSOR	2010-06-28	2014-05-21	TEACHING
VELAMMAL INSTITUTE OF TECHNOLOGY	ASSISTANT PROFESSOR	2014-06-16	1970-01-01	TEACHING

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
20200008_200522213544	SIOB8821983461	22-05-2020	600	SUCCESS

K. Karthikeyan / Assistant professors / Mathematics.

Research Proposal

Topic: Probability and Queuing Theory

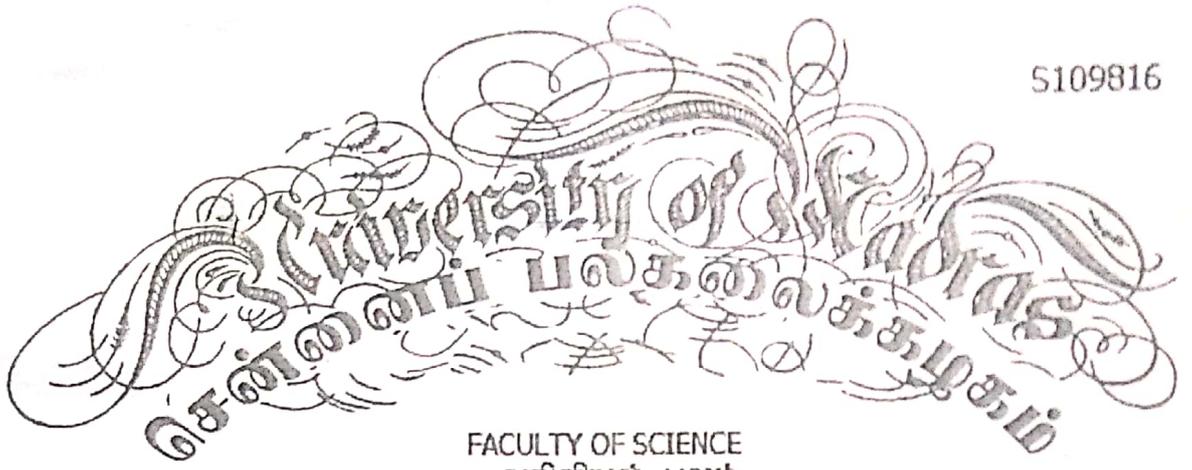
The study of queues deals with quantifying the phenomenon of waiting in lines using representative measures of performance such as average queue length, average waiting time in queue and average facility utilisation.

In Queuing Theory there are two models one is Markovian Queues another one is Non-Markovian Queues.

A Queuing Model in which the arrivals follows Poisson (Markovian) and service follows Exponential (Markovian) then it is called a Markovian Model, it has the special types $(M/M/1):(\infty/FIFO)$, $(M/M/c):(\infty/FIFO)$, $(M/M/1):(K/FIFO)$ and $(M/M/c):(K/FIFO)$.

A Queuing Model in which the arrival follows Poisson (Markovian) and service follows General distribution (Non-Markovian) then it is called Non-Markovian Model, it has the special types $(M/G/1)$, $(M/D/1)$, and $(M/E_k/1)$.

In this study, I do like my Research.



FACULTY OF SCIENCE
அறிவியல் புலம்

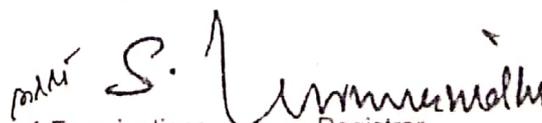
The Senate of the University of Madras hereby makes known
that **KARTHIKEYAN K** has been admitted to the
DEGREE OF BACHELOR OF SCIENCE IN MATHEMATICS

he / she having been certified by duly appointed Examiners to be
qualified to receive the same and was placed in the
FIRST CLASS at the Examination held in
APRIL 2004

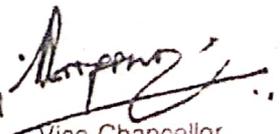
சென்னைப் பல்கலைக்கழகப் பேரவை, 2004 ஆம் ஆண்டு ஏப்ரல்
மாதம் நடந்த கணக்கியல் தேர்வில்
கார்த்திகேயன் கா என்பவர்
(முதல் வகுப்பில்) தேர்ச்சி பெற்றார் என்று தக்க
தேர்வாளர்கள் சான்றளித்தபடி, அறிவியல் இளையர்
என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக இலச்சினையுடன்
வழங்குகிறது.

Given under the seal of the University



மலர் S. 
Controller of Examinations
தேர்வாணையர்

Registrar
பதிவாளர்


Vice-Chancellor
துணைவேந்தர்

Dated: 15-10-2004
நாள்:

Chepauk, Chennai 600 005, Tamilnadu, India



FACULTY OF SCIENCE
அறிவியல் புலம்

The Senate of the University of Madras hereby makes known that **KARTHIKEYAN K** has been admitted to the DEGREE OF MASTER OF SCIENCE IN MATHEMATICS he/she having been certified by duly appointed Examiners to be qualified to receive the same and was placed in the FIRST CLASS WITH DISTINCTION at the Examination held in APRIL 2006

சென்னைப் பல்கலைக்கழகப் பேரவை, 2006 ஆம் ஆண்டு ஏப்ரல் மாதம் நடந்த கணக்கியல் தேர்வில் கார்த்திகேயன் கா என்பவர் தனிச்சிறப்புடன் முதல் வகுப்பில் தேர்ச்சி பெற்றார் என்று தக்க தேர்வாளர்கள் சான்றளித்தபடி, அறிவியல் நிறைஞர் என்னும் பட்டத்தை அவருக்குப் பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

Given under the seal of the University



[Signature]
Registrar
பதிவாளர்

[Signature]
Vice-Chancellor
துணைவேந்தர்

Dated: 14-11-2006
நாள்:

Chennai, Chennai 600 005, Tamilnadu, India



அழகப்பா பல்கலைக்கழகம்

ALAGAPPA UNIVERSITY

(Accredited with "A" Grade by NAAC)

Reg No. 066052030

FACULTY OF SCIENCE

The Syndicate of the Alagappa University

hereby confers the degree of

MASTER OF PHILOSOPHY IN MATHEMATICS

on

KARTHIKEYAN K

with SECOND class in MAY 2008 for having
fulfilled the requirements for the degree.

Given under the seal of the University



Karaikudi
Date 23 APR 2009

பதிவாளர்
Registrar

துணைவேந்தர்
Vice - Chancellor



கல்விப் புலம்
FACULTY OF EDUCATION



தமிழ்நாடு ஆசிரியர் கல்வியியல் பல்கலைக்கழக ஆட்சிக்குழு
2009 ஆம் ஆண்டு ஜூன் மாதம் நடந்த கல்வியியல் தேர்வில்
கார்த்திகேயன் கா என்பவர்
எழுத்துத் தேர்வில் முதலாம் வகுப்பிலும், செய்முறைத் தேர்வில்
தனிச்சிறப்புடன் கூடிய முதல் வகுப்பிலும் தேர்ச்சி பெற்றார் என்று தக்க தேர்வாளர்கள்
சான்றளித்தபடி, கல்வியியல் இளையர் என்னும் பட்டத்தை அவருக்குப்
பல்கலைக்கழக இலச்சினையுடன் வழங்குகிறது.

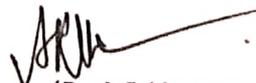
The Syndicate of the TAMILNADU TEACHERS EDUCATION UNIVERSITY
hereby makes known that KARTHIKEYAN.K
has been admitted to the Degree of Bachelor of Education, he/she having been
certified by duly appointed Examiners to be qualified to receive the same at the Examination
held in JUNE 2009 and having been placed in First Class in the
Theory Examination and in First Class with Distinction in the Practical Examination.

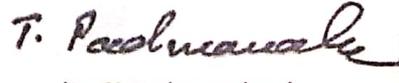


Given under the seal of the University.

சென்னை, இந்தியா
Chennai, India
நாள் 07-04-2010
Dated


(Dr. M. Jayakumar)
தேர்வாணையர்
Controller of Examinations


(Dr. A. R. Veeramani)
பதிவாளர்
Registrar


(Dr. T. Padmanaban)
துணைவேந்தர்
Vice-Chancellor



சென்னைப் பல்கலைக்கழகம்
UNIVERSITY OF MADRAS

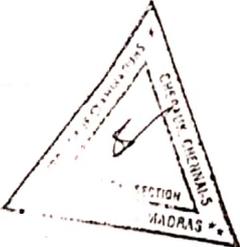
B. Sc DEGREE EXAMINATION [NON-SEMESTER]

STATEMENT OF MARKS

2001/0205598

NAME OF CANDIDATE KARTHIKEYAN K 15/05/84	REGISTER NO/ ENROLMENT NO S109816	CENTRE NO 1311	SERIAL NO S13178
BRANCH NAME MATHEMATICS	MONTH & YEAR APR-2004	PUBLICATION CODE AND DATE TKB 21/06/2004	

NAME OF SUBJECT	SUBJECT CODE	MARKS SCORED	MAX MARKS	RESULT
CM PAPER VII PROGRAMMING LANGUAGE "C" WITH MATHEMATICAL - PRACTICAL	RA2	040	040	PASS
CM PAPER V ALGEBRA	RAL	052	100	PASS
CM PAPER VI REAL AND COMPLEX ANALYSIS	RAM	071	100	PASS
CM PAPER VII PROGRAMMING LANGUAGE "C" WITH MATHEMATICAL	RAN	053	060	PASS
CM PAPER VIII MECHANICS	RAP	052	100	PASS
AD OPERATIONS RESEARCH	TAL	052	100	PASS
* * * END OF STATEMENT * * *				





FC-Foundation Course CM-Core Main
AO-Appl. Oriented CA-Core Allied

UNIVERSITY BUILDINGS,
CHENNAI - 600 005

PASSING MIN: 40% AAA-ABSENT

Dr. V. BALU., Ph. D.

Controller of Examinations

Change(s) Overscript(s) should bear the attestation of the Competent authority of the University with official seal, else the Certificate is invalid.

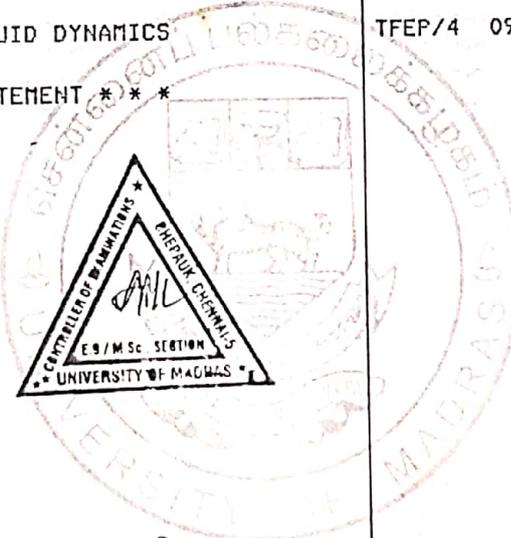


M. SC.

618-6016016016 பஸ்க606ககழகட
UNIVERSITY OF MADRAS
 DEGREE (SEMESTER SYSTEM WITH CREDITS) EXAMINATION
STATEMENT OF MARKS

Name of Candidate KARTHIKEYAN K 15/05/84	Register No./ Enrolment No. 2241822	Centre No. 1319	Serial No. 01013
Branch Name MATHEMATICS	Month & Year APR. 2006	Publication Code and Date AMSP 21-07-2006	

SEM	Name of Subject	Subject Code/ Credit	Univ Marks	Assmt Marks	Total	Max Marks	Result
4	PAPER - XVI COMPLEX ANALYSIS - II*	TF4A/4	083	---	083	100	PASS
4	PAPER - XVII DIFFERENTIAL GEOMETRY	TF4B/4	078	---	078	100	PASS
4	PAPER - XVIII TENSOR ANALYSIS AND THE SPECIAL THEORY OF RELATIVITY	TF4C/3	073	---	073	100	PASS
4	PAPER - XIX FUNCTIONAL ANALYSIS	TF4D/3	071	---	071	100	PASS
4	PAPER - XX FLUID DYNAMICS	TFEP/4	095	---	095	100	PASS
* * * END OF STATEMENT * * *							



Dr. P. SEKAR, M.Sc., M.Phil., Ph.D.,
 READER IN MATHEMATICS
 PACHAIYAPPA'S COLLEGE
 CHENNAI - 600 030.
 Ph : 6412344 (Off). 6532056 (Res)

Attested
Behar

Passing Min: 50% AAA-ABSENT
 UNIVERSITY BUILDINGS,
 CHENNAI - 600 005

PROF. K. MURUGESAN, M. SC., Ph. D.,
 Controller of Examinations

Change(s)/Oversecript(s) should bear the attestation of the Competent authority of the University with official seal, else the Certificate is invalid

2K4 / 059031



ALAGAPPA UNIVERSITY

ACCREDITED WITH 'A' GRADE BY NAAC

M.Phil. MATHEMATICS

CUMULATIVE

STATEMENT OF MARKS

NAME	KARTHIKEYAN K	REG. No.:	066052030			
			CODE	SUBJECT		
		MARKS			RESULT	MMYY
I	E	T	In words			
11	54	54	FIVE FOUR	Pass	MAY 2007	
12	--	50	FIVE ZERO	Pass	MAY 2007	
13	--	52	FIVE TWO	Pass	MAY 2007	
14A	--	50	FIVE ZERO	Pass	DEC 2007	
14B	--	65	SIX FIVE	Pass	MAY 2008	
Total: TWO SEVEN ONE		271	CLASS: Second			



(Signature)

Dr. P. MANICAVELU
Controller of Examinations

(Signature)
Deputy Registrar

PASSING MIN. 50%

MAX.

100
###

Dated: 30/07/08

Written Paper
Practical
Dissertation

ALAGAPPA NAGAR,
KARAIKUDI - 630 003.



தமிழ்நாடு ஆசிரியர் கல்வியியல் பல்கலைக்கழகம்
Tamilnadu Teachers Education University
CHENNAI - 600 005



B.Ed. DEGREE EXAMINATION
STATEMENT OF MARKS

NAME OF THE CANDIDATE KARTHIKEYAN K			DATE OF BIRTH 15/05/1984		
REGISTER NO. 1230508BD032	MONTH & YEAR JUNE 2009	COLLEGE CODE 12305	DATE OF PUBLICATION 19/08/2009		
NAME OF THE SUBJECT	SUBJECT CODE	MARKS SECURED		TOTAL MAX MARKS SECURED	RESULT
		INT	EXT.		
Core Subjects					
Education in Emerging Indian Society	BDA A	20	46	066	P
Psychology of Teaching and Learning	BDAB	24	42	066	P
Educational Innovations and Technology	BDAC	24	43	067	P
Elective Subject					
Environmental Education	BDED	22	39	061	P
Optional Subjects					
Mathematics - I	BMA1	24	46	070	P
Mathematics - II	BMA2	24	51	075	P
Total (Theory)				405	P
Practicals					
Group A - Teaching Practice				265	
Group B - Lesson Plans, Practical Records, Educational Technology and Tests & Measurements				155	
Group C - School & Community Based Activities				093	
Total (Group A + Group B + Group C)				513	P
Total					
Theory : 405 / 600					
Practical : 513 / 600					
--- End of the Statement ---					

	MARKS	INT	EXT.	AGRE.
THEORY	MAXIMUM	25	75	100
	PASSING MINIMUM	-	34	50
PRACTICAL	MAXIMUM	-	-	600
	PASSING MINIMUM	-	-	300

OTHER ABBREVIATIONS

RA - Re-Appear
P - Pass
AA - Absent



[Signature]

Controller of Examinations

Change(s) Overprint(s) should bear competent attestation of the Tamil Nadu Teachers Education University with official seal, else the Certificate is invalid

T.C. No. : 1232

DATE : 20/9/09



G.R.D. COLLEGE OF EDUCATION

PUDUR, THIRUVALLUR - 631 210.
(Affiliated to The Tamil Nadu Teacher's Education University)

TRANSFER CERTIFICATE

NAME OF THE STUDENT	NAME OF THE PARENT / GUARDIAN	STUDENT ENROLLMENT NUMBER
KARTHIKEYAN.K	KASIVEL.G	12305C :BD032

NATIONALITY	RELIGION	COMMUNITY	CASTE	SEX
Indian	Hindu	MBC	VANNIYAR	Male

Whether he/she belongs to Backward Class / Most Backward Class / renotified Community / Scheduled Class / Converted to Christianity from SC / Scheduled Tribe	DATE OF BIRTH AS IN THE ADMISSION REGISTER
YES MBC	15-05-1984. Fifteenth - May-Nineteen Eighty Four

DATE OF ADMISSION & CLASS IN WHICH ADMITTED	CLASS IN WHICH THE STUDENT WAS STUDYING AT THE TIME OF LEAVING	COURSE STATUS
01-09-2008.	B.Ed.,	Completed

THE COURSE OFFERED	MAIN SUBJECTS	ALLIED SUBJECTS
B.Ed.,	Mathematics	—

LANGUAGE OFFERED	MEDIUM OF INSTRUCTION
—	ENGLISH

MONTH AND YEAR OF LEAVING THE COLLEGE	WHETHER PASSED THE EXAMINATION
JUNE, 2009	Refer the Mark Statement / Provisional Certificate / Degree Certificate

CONDUCT & CHARACTER OF THE STUDENT	GOOD
------------------------------------	------

ISSUE DATE : 20/9/09



Principal
G.R.D. College of Education
Pudur, Thiruvallur

G.R.D. College of Education
Pudur, Thiruvallur

BHAJARANG ENGINEERING COLLEGE



An ISO 9001 : 2000 Certified Institution

(Approved by A.I.C.T.E. New Delhi and affiliated to Anna University)

Ayathur, Veppampattu (R.S.) Thiruvallur Dist. - 602 024. Tamil Nadu, India.

Ph : 04116-224664/5/6 Fax : 04116-224664

Email : bec@bhajarangenggcollege.com Web : bhajarangenggcollege.com



Date :

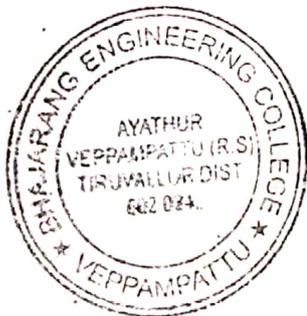
Date: 23.06.2010

SALARY & SERVICE CERTIFICATE

This is to certify that **Mr. K. KARTHIKEYAN** has been working as a Lecturer in the department as Mathematics in our college from **08.06.2009 to 23.06.2010**.

He has been relieved from his duties at his request. During this period his conduct and character was good. His last drawn salary is mentioned below

Consolidated Salary: Rs. 10,000/-.



[Handwritten Signature]
28/6/10
PRINCIPAL
BHAJARANG ENGINEERING COLLEGE
AYATHUR, VEPPAMPATTU (R.S.)
THIRUVALLUR DIST. PIN - 602 024.

Trust Office : 14, III Main Road, Krishnapuram, Thiruniravur - 602 024. Tamil Nadu, India.
Ph : 044-26300333 Fax : 044-26390335 Email : besteng@bhajarangenggcollege.com



JAYA ENGINEERING COLLEGE

(An ISO 9001 : 2000 CERTIFIED INSTITUTION)
(Approved by AICTE and Affiliated to Anna University)
(CSE, ECE & TEX DEPTS. ARE ACCREDITED BY NBA, AICTE, NEW DELHI)
C.T.H. Road, Prakash Nagar, Thiruninravur, (Near Avadi)
Chennai - 602 024, Tamil Nadu, INDIA.
E-mail : info@jec.ac.in Website : www.jec.ac.in



Mrs.K. Vijayakumari, M.A., B Ed.,
Secretary

Dr. Krishnan Vijayaraghavan
MS,Ph.D.,(Chem Engg-ITM) Fellow IUSSTF (Arizona-USA)
Principal

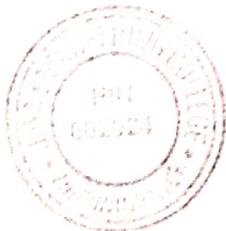
Ref :

Date : 23 MAY 2014

EXPERIENCE CERTIFICATE

This is to certify that **Mr.K.Karthikeyan** worked as
Assistant Professor in the Department of Mathematics in our college
from **28.06.2010** and relieved as per his request on **21.05.2014**

His Conduct and Character were good during his service in our
College.



PRINCIPAL

PRINCIPAL
JAYA ENGINEERING COLLEGE
THIRUNINRAVUR, TAMIL NADU
PIN 602 024

आयकर विभाग
INCOME TAX DEPARTMENT

KARTHIKEYAN

KASIVEL

15/05/1984

Permanent Account Number

CINPK5968G

K. 
Signature



भारत सरकार
GOVT. OF INDIA



31122011

यदि कार्ड खोने / कानूनी रूप से खोया हुआ कार्ड, वापस
आयकर पैन सेवा डेस्क, एनएसडीएल
वीसरी मंजिल, सफ़ायर चेंबर,
बानेर टेलिफोन एक्सचेंज के नजदीक,
बानेर, पुना - 411 045

If this card is lost / someone's lost card is found,
please inform / return to :

Income Tax PAN Services Unit, NSDI,
3rd Floor, Sapphire Chambers,
Near Baner Telephone Exchange,
Baner, Pune - 411 045

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

K. Kasivel

India Driving Licence (Tamil Nadu) TN NT

TN18Z 2011 0001516

Date of issue: **07-06-2011** Validity: **06-06-2031**

Nationality: **INDIA**

Date of Birth: **15-05-1984** Blood Group: **O+**

Name: **KARTHIKEYAN K**

Father's Name: **KASIVEL G**





Tamil Nadu
07-06-2011
TN18Z

TN18Z 2011 0001516

Mobile No: *****0687

Badge No: **NIL**

Badge Dt: **08-06-2018**

Endorsement Date: **08-06-2018**

Endorsement No: **TN18/DL/A/0001062/2018**

Permanent Address:
**2/60 A PILLAIYAR KOVAL STREET,
 ALINJIVAKKAM REDHILLS,
 CHENNAI 600052**

Present Address:
**2/60 A PILLAIYAR KOVAL STREET,
 ALINJIVAKKAM REDHILLS,
 CHENNAI 600052**

Assistant Licensing Authority: **RTO, REDHILLS**

Holder's Signature: _____

Form 7 Rule 16(2)

K. Valli

சா. சா. 1263 /99

dt.

7-99



சான்றிதழ் எண் :
Certificate No :

1433446



மாவட்டக் குறியீடு எண் :
District Code :
வட்டக் குறியீடு எண் :
Taluk Code :
கிராமக் குறியீடு எண் :
Village Code :

2	5	
0	8	
0	7	8

சாதிச் சான்றிதழ்

COMMUNITY CERTIFICATE

வினாயகரம் மாவட்டம், செங்கி

கிராமம்/நகரம், திரு-திருமதி-செல்வி/செல்வன் கார்த்திகேயன் தகப்பனார்/கணவன் பெயர் கார்த்திகேயன் திர்வ - வன்னியர்

வகுப்பைச் சார்ந்தவர், அரசு ஆணை நிலை எண். 28 பிற்பட்ட மற்றும் மிகவும் பிற்பட்ட பிரிவின் நலத்துறை நாள் 19-7-1994 வரிசை எண். 169 படி மிகவும் பிற்பட்ட பிரிவினைச் சார்ந்தவர் எனச் சான்றளிக்கப்படுகிறது.

This is to certify that..... Son / Daughter of Thiru..... of..... Village / Town..... Taluk.....

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

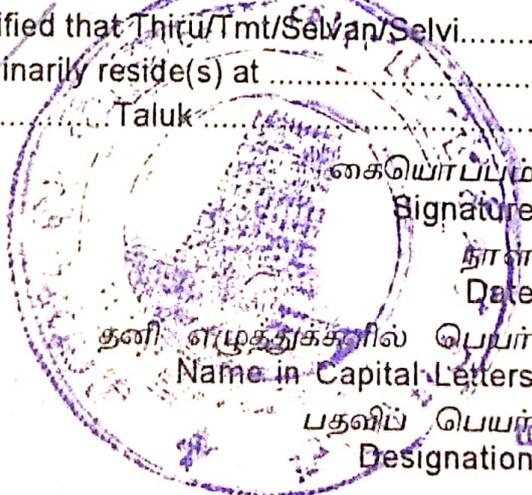
2. திரு / திருமதி / செல்வன் / செல்வி கார்த்திகேயன்

என்பவரும் அவருடைய குடும்பத்தினரும் *தமிழ்நாட்டில் வினாயகரம் மாவட்டத்தில் செங்கி வட்டத்தில் வினாயகரம் கிராமத்தில் /

நகரத்தில் வசித்து வருகிறார்கள் எனச் சான்றளிக்கப்படுகிறது.

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

முத்திரை.
Seal.



கையொப்பம் :
Signature :
நாள் :
Date :
தனி எழுத்துக்களில் பெயர் :
Name in Capital Letters :
பதவிப் பெயர் :
Designation :

சென்டல துணை வட்டாட்சியர்,
செங்கி.

சென்டல

ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr./~~Ms.~~/Mrs. K. KARTHIKEYAN is employed as ASSISTANT PROFESSOR (Designation) in the MATHEMATICS (Department/Division Name) of VELAMMAL INSTITUTE OF TECHNOLOGY (From June 2014) (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: 22/05/2020

Signature of the Head of Organization with office seal



Principal
Velammal Institute of Technology
Velammal Gardens
Panchetti Village & Post, Ponneri (Tk)
Thiruvallur (Dist) - 601204.