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:22-06-2020

Department	COMPUTER APPLICATIONS	Application No.	20200108
Area of Research	IMAGE PROCESSING	Research Mode	PART TIME

Name :SIVARAMA GANDHI . K

Date of Birth / Age :05-03-1985 / 35 Years

Gender :MALE

Category :BC

e-Mail ID :gandhisivarama@gmail.com

Mobile :9944097067

Father's/Husband's Name	G.KALUGASALA AYYANAR	**Father's/Husband's Occupation**	FARMER
Family Income	144000	**Residental Type**	RURAL
Birth Place	KOVILPATTI	**Mother Tongue**	TAMIL
Religion	HINDU	**Martial Status**	MARRIED
Aadhaar No.	201876944387	**PAN No.**	AULPG3012F
Physically Challenged	NO	**Type of Disability**	-

Address for Communication:	Permenant Address:
2/2 MUTHALAMMAN KOVIL STREET, VILLISERI KOVILPATTI THOOTHUKUDI DISTRICT TAMILNADU INDIA Pin-628716	2/2 MUTHALAMMAN KOVIL STREET, VILLISERI KOVILPATTI THOOTHUKUDI DISTRICT TAMILNADU INDIA Pin-628716

Qualification

Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
B.SC	ELECTRNICS	K.R.COLLEGE OF ARTS AND SCIENCE, KOVILPATTI	2006	82	FIRST	REGULAR
MCA	COMPUTER APPLICATION	NATIONAL ENGINEERING COLLEGE, KOVILPATTI	2009	79	FIRST	REGULAR
M.PHIL	COMPUTER SCIENCE	ST.XAVIERS COLLEGE, PALAYAMKOTTAI	2015	62	FIRST	REGULAR

Experience

Organization	Designation	Experience From	Experience TO	Work Nature
K.R.COLLEGE OF ARTS AND SCIENCE	ASSISTANT PROFESSOR	2015-12-05	2020-01-06	TEACHING

Payment Details

Transaction ID	Reference	Date of transaction	Amount	Status
20200108_200707155014	SUR28972471546	07-07-2020	600	SUCCESS

EFFICIENT VIDEO COMPRESSION TECHNIQUE ON CLOUD STORAGE

Communication over the internet is becoming an important part of our lives. Nowadays millions of peoples spend their time on youtube, video communication and video conferencing, etc. Videos require a large amount of bandwidth and transmission time. A lot of video compression standards, techniques, and algorithms had been developed to reduce data quantity and gain expected quality as possible as can. Video compressions technologies have now become an important part of the way we create, consume, and communicate visual information. Video Compression comes up with several techniques based on their approaches that save bandwidth, memory, time, or improves the performance of existing methods or standards. We reviewed some of the techniques based on their proposed approaches. They either use transform coding, truncation or motion estimation, etc. for compression of different types of videos such as HD videos, professional videos, mosaic videos, etc. These techniques work on either on pixels or blocks or on frames of videos, which is useful for the reduction of spatial redundancies of each frame and temporal redundancy between the frames. The methods are either lossless or lossy techniques based on used concepts. Wavelet transform is an efficient method that can be used to perform an efficient compression technique. This work deals with the development of an efficient video compression approach based on cloud computing. The selection of the meaningful frame depends on many factors such as compression performance, frame details, frame size, and near distance between frames. Three different approaches are applied to remove the lowest frame difference. In this work, many videos are tested to ensure the efficiency of this technique, also, a good performance result has been obtained.

Reg. No. 14MFS10

மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்
Manonmaniam Sundaranar University

அறிவியற் புலம்

FACULTY OF SCIENCE

மனோன்மணியம் சுந்தரனார் பல்கலைக்கழக ஆட்சிக்குழு

சிவராம காந்தி க

இப்பல்கலைக்கழகத்தில் இணைந்த ....தூய சவேரியார் கல்லூரி, பாளையங்கோட்டை

தன்னாட்சிக் கல்லூரியால் அங்கீகரிக்கப்பட்ட பாடப் பயிற்சியினையும் தேர்வினையும் முடித்த

பின்னர் ....ஜூலை 2015........ இல் நிகழ்ந்த தேர்வில் கல்லூரித் தேர்வு ஏற்புக்குழு

பரிந்துரைத்தவாறு ....கணினி இயல்

பாடப்பிரிவில் ....முதல் .... வகுப்புப் பெற்று

........ஆய்வியல் நிறைஞர் .... பட்டப்பேற்றுக்கு உரியவர்

ஆகின்றார் என இதன்வழி அறிவிக்கின்றது.

பல்கலைக்கழக முத்திரையுடன் இது வழங்கப்படுகின்றது.

The Syndicate of the **MANONMANIAM SUNDARANAR UNIVERSITY** hereby makes known that ....**SIVARAMA GANDHI K**........ has been admitted to the Degree of ....**MASTER OF PHILOSOPHY IN COMPUTER SCIENCE**........ he/she having successfully completed the course of studies and examination prescribed therefor by the ....**ST.XAVIER'S COLLEGE , PALAYAMKOTTAI**........ (an Autonomous College of this University) and upon the recommendation by the College Awards Committee at the Examination held in ....**JULY** ....**2015**........and having been placed in the ....**FIRST CLASS**........

Given under the seal of the University.

திருநெல்வேலி, இந்தியா
Tirunelveli, India

நாள், Dated **13.02.2016**

ISSUED ON 2 2 FEB 2016

(Dr.S.Prabahar)
தேர்வாணையர்
Controller of Examinations

(Dr.A.John De Britto)
பதிவாளர்
Registrar

(Dr.K.Baskar)
துணை வேந்தர்
Vice-Chancellor

ST. XAVIER'S COLLEGE

PALAYAMKOTTAI - 627 002, TAMIL NADU
(AN AUTONOMOUS COLLEGE AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY)
RE-ACCREDITED BY NAAC WITH 'A' GRADE WITH A CGPA OF 3.50
AWARDED "COLLEGE WITH POTENTIAL FOR EXCELLENCE" BY UGC

CONSOLIDATED MARK STATEMENT

CMSNO : MP33621410

DEGREE	BRANCH	DATE OF PUBLICATION
M.PHIL.	COMPUTER SCIENCE [FULL TIME]	09-07-2015

REGISTER NUMBER	NAME OF THE CANDIDATE	DATE OF BIRTH
14MFS10	SIVARAMA GANDHI. K	03 MAY 1985

S. No.	SEM.	SUB. CODE	NAME OF THE SUBJECT	M	CR	WM	YR
1	I	12MCS01	RESEARCH METHODOLOGY	68	5	340	N14
2		12MCS02	ADVANCED COMPUTING TECHNOLOGIES	53	5	265	N14
3	II	12MCS03	SPECIAL PAPER - MOBILE COMPUTING	54	3	162	A15
4		12MCS04	DISSERTATION	68	12	816	A15

VIVA VOCE DATE : 07-07-2015

CUMULATIVE PERFORMANCE

SUBJECT	CR	WM	WA	CLASS	RESULT
Core and Elective	25	1583	63.32	FIRST CLASS	PASS
EXTRA CREDITS EARNED	-				
TOTAL CREDITS EARNED	25				

OFFICE SEAL

[S.MATHU GNANIAH]
CONTROLLER OF EXAMINATIONS

[Rev.Dr.V.GILBURT CAMILLUS, S.J.]
PRINCIPAL

ST. XAVIER'S COLLEGE (AUTONOMOUS)

PALAYAMKOTTAI - 627 002. TAMIL NADU.

(Recognized as "College With Potential for Excellence" by UGC)
(Re-accredited with "A" Grade with a CGPA of 3.5 by NAAC)

TRANSFER CERTIFICATE

Serial No. :	7418	Register No. :	14MFS10	Admission No. :	6748

Name of the Student (in block letters) as entered in +2 or equivalent certificate	:	**SIVARAMA GANDHI K**
Name of the Father or Mother -	:	G. KALUGASALA AYYANAR
Nationality and Religion	:	INDIAN HINDU
Caste and Community	:	VELLAN CHETTIAR BC
Sex	:	MALE
Date of Brith as entered in the Admission Register :		03-05-1985
Personal Marks of Identification	:	--
		--
Date of Admission and class in which admitted	:	12-06-2014 M.Phil.
Course to which admitted Branch / Major	:	COMPUTER SCIENCE (FULL - TIME)
Class in which the student was studying at the time of leaving	:	M.Phil.
Whether the student has paid all the fees due to the college	:	YES
Whether the student was in receipt of any scholarship	:	NO
Whether the student has undergone medical inspection during the first academic year	:	NO
Date on which the student actually left the College	:	07-07-2015
The student's conduct and character	:	Good
Date of issue of Transfer Certificate	:	03-08-2015
Medium of Instruction	:	ENGLISH

Signature of the student

PRINCIPAL
Principal
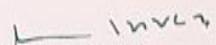ST. XAVIER'S COLLEGE
(AUTONOMOUS)
PALAYAMKOTTAI - 627 002

Ref.No. KRCAS/EST/2020-2021/

Dated: 06.07.2020

CERTIFICATE

This is to certify that Mr.K.Sivarama Gandhi, is working as Assistant Professor in Department of Computer Science of our college from 18.05.2015 to till date.

This certificate is issued in order to enable him to apply for the Ph.D Entrance Examination in Kalasalingam Academy of Research and Education, Krishnankovil.

PRINCIPAL

आयकर विभाग भारत सरकार

INCOME TAX DEPARTMENT GOVT. OF INDIA

SIVARAMA GANDHI

KALUGASALA AYYANAR

03/05/1985

Permanent Account Number

AULPG3012F

Signature

18052010

India Driving Licence(Tamil Nadu)

TN · NT+T

TN69Z 2009 0002454

Date of Issue	Validity
13-07-2009	(NT) 12-07-2029
	(T) 17-12-2021

Nationality
INDIA

Date of Birth   **Blood Group**
03-05-1985   A1B+

Name
SIVARAMAGANDHI K

Father's Name
KALUGASALAAYYANAR G

சா-எண் 95/2001

R.Dis. ..../9   dt

BC

சான்றிதழ் எண்
Certificate No

3029434

மாவட்டக் குறியீடு எண் : District Code	l	9
வட்டக் குறியீடு எண் Taluk Code	0	5
கிராமக் குறியீடு எண் Village Code	0	3	o

சாதிச் சான்றிதழ்
COMMUNITY CERTIFICATE

............**தூத்துக்குடி**........ மாவட்டம்.........**கோவில்பட்டி**........ வட்டம்
............**அப்பாஜேசன்**..................கிராமம்/நகரம், திரு / திருமதி / செல்வி/
செல்வன்.......**இவராமகாந்தி**............தகப்பனார்/கணவர்
பெயர்.......**கஜூகாசல அய்யனார்**
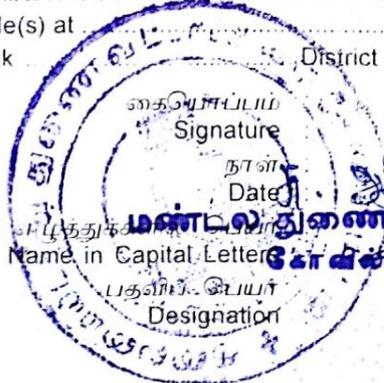............**இந்து . வேள்ளாளர் அகமுடய**

வகுப்பைச் சார்ந்தவர், அரசு ஆணை நிலை எண். 28 பிற்பட்ட மற்றும்
மிகவும் பிற்பட்ட பிரிவின் நலத்துறை நாள் 19-7-1994 வரிசை எண்......**135**......படி,
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
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.......**இவராமகாந்தி**
என்பவரும் அவருடைய குடும்பத்தினரும் தமிழ்நாட்டில்.......**தூத்துக்குடி**
மாவட்டத்தில்.......**கோவில்பட்டி**......வட்டத்தில்......**அப்பாஜேசன்**
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 .....முத்திருக்க
Name in Capital Letters
பதவிப் பெயர்
Designation

16.2.2001

ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr. K.SIVARAMA GANDHI _____ is employed as (Designation)

ASSISTANT PROFESSOR _____ in the (Department/Division Name) DEPARTMENT OF COMPUTER SCIENCE ___ of

(Institution/Industry Name)   K.R.COLLEGE OF ARTS & SCIENCE, K.R.NAGAR, KOVILPATTI.

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

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 – 07 – 2020

Signature of the Head of organization with office seal

PRINCIPAL
K.R. College of Arts & Science
K.R. Nagar, Kovilpatti - 628 503,
Thoothukudi - District

½