



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

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:29-06-2020

Department	COMPUTER APPLICATIONS	Application No.	20200171
Area of Research	NETWORK SECURITY	Research Mode	PART TIME

Name :MUTHU SRINIVASAN.M
Date of Birth / Age :07-09-1988 / 31 Years
Gender :MALE
Category :MBC
e-Mail ID :kumarvasan1988@gmail.com
Mobile :9597902095



Father's/Husband's Name	MUTHUKUMARASAMY.R	Father's/Husband's Occupation	RETIRED LIBRARIAN
Family Income	120000	Residential Type	URBAN
Birth Place	SRIVILLIPUTTUR	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	SINGLE
Aadhaar No.	929432225897	PAN No.	BOOPM3929M
Physically Challenged	NO	Type of Disability	-
Address for Communication: 75 SOUTH CAR STREET SRIVILLIPUTTUR VIRUDHUNAGAR DISTRICT TAMILNADU INDIA Pin-626125		Permenant Address: 75 SOUTH CAR STREET SRIVILLIPUTTUR VIRUDHUNAGAR DISTRICT TAMILNADU INDIA Pin-626125	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
B.SC	IT	A.K.COLLEGE OF ARTS AND SCIENCE	2009	70.3	FIRST CLASS	REGULAR
MCA	COMPUTER APPLICATIONSS	KALASALINGAM UNIVERSITY	2012	8.33	FIRST CLASS DISTINCTION	REGULAR
M.TECH	CSE	KALASALINGAM UNIVERSITY	2014	8.6	FIRST CLASS DISTINCTION	REGULAR

Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
20200171_200630121247	SHMP8946772827	30-06-2020	600	SUCCESS

SAFEQ SECURE QUERY PROCESSING IN SENSOR NETWORKS

The architecture of two-tiered sensor networks, where storage nodes serve as an intermediate tier between sensors and a sink for storing data and processing queries, has been widely adopted because of the benefits of power and storage saving for sensors as well as the efficiency of query processing. However, the importance of storage nodes also makes them attractive to attackers. SQ, a protocol that prevents attackers from gaining information from both sensor collected data and sink issued queries. SQ also allows a sink to detect compromised storage nodes when they misbehave. To preserve privacy, SQ uses a novel technique to encode both data and queries such that a storage node can correctly process encoded queries over encoded data without knowing their values. To preserve integrity, two schemes are used one using Merkle hash trees and another using a new data structure called neighborhood chains to generate integrity verification information so that a sink can use this information to verify whether the result of a query contains exactly the data items that satisfy the query. We want to design a protocol that prevents attackers from gaining information from both sensor collected data and sink issued queries, which typically can be modeled as range queries, and allows the sink to detect compromised storage nodes when they misbehave. For privacy, compromising a storage node should not allow the attacker to obtain the sensitive information that has been, and will be, stored in the node, as well as the queries that the storage node has received, and will receive. Note that we treat the queries from the sink as confidential because such queries may leak critical information about query issuers interests, which need to be protected especially in military applications. For integrity, the sink needs to detect whether a query result from a storage node includes forged data items or does not include all the data that satisfy the query. There are two key challenges in solving the privacy and integrity-preserving range query problem. First, a storage node needs to correctly process encoded queries over encoded data without knowing their actual values. Second, a sink needs to verify that the result of a query contains all the data items that satisfy the query and does not contain any forged data.

KALASALINGAM UNIVERSITY

Kalasalingam Academy of Research and Education
(Under Section 3 of UGC Act 1956)



Register No : 9909116038

The Board of Management of the Kalasalingam University, hereby makes known that

Ms./Mr. **MUTHU SRINIVASAN M** has been admitted to the

Degree of **Master of Computer Applications**

he / she having been certified by duly appointed examiners to be qualified to receive the same

and having been placed in the **First Class with Distinction**

at the examination held in **Apr/May 2012**

Given under the seal of the University



Anand Nagar,
Krishnankoil - 626 190,
Tamil Nadu, India

Date: 08/09/2012

Director (Academic)

Vice - Chancellor



KALASALINGAM UNIVERSITY

Kalasalingam Academy of Research and Education
(Under Section 3 of UGC Act 1956)
Anand Nagar, Krishnankoil - 626 190 Tamil Nadu, INDIA

Sl. No: 112952

CONSOLIDATED GRADE CARD

Name of the Student: MUTHU SRINIVASAN M

Register No: 9909116038

Branch: MCA-Master of Computer Applications

Batch: 2009-2012

SEM	COURSE CODE	NAME OF THE COURSE	ATTENDANCE CODE	CREDITS	GRADE	MONTH & YEAR OF PASSING	SEM	COURSE CODE	NAME OF THE COURSE	ATTENDANCE CODE	CREDITS	GRADE	MONTH & YEAR OF PASSING
CGPA COURSES													
1	MCA701	Computer Organization and Architecture	H	4	A+	Nov/Dec 2009							
1	MCA702	Data Structures	H	4	A+	Nov/Dec 2009							
1	MCA703	Mathematical Foundations of Computer Science	H	4	A+	Nov/Dec 2009							
1	MCA704	Accounting and Financial Management	H	4	A+	Nov/Dec 2009							
1	MCA705	Introduction to C Programming	H	4	A	Nov/Dec 2009							
1	MCA781	Programming in C Laboratory	H	2	C	Nov/Dec 2009							
1	MCA782	Data Structures Laboratory	H	2	A	Nov/Dec 2009							
2	MCA706	Object Oriented Programming	H	4	B	May 2010							
2	MCA707	Design and Analysis of Algorithms	H	4	A	May 2010							
2	MCA708	Database Management Systems	H	4	A+	May 2010							
2	MCA709	Operating System	H	4	A	May 2010							
2	MCA710	Resource Management Technique	H	4	B	May 2010							
2	MCA783	Object Oriented Programming Laboratory	H	2	C	May 2010							
2	MCA784	DBMS Laboratory	H	2	B	May 2010							
3	HSS216	Communication Skills	H	2	A+	Nov/Dec 2010							
3	MCA401	Java Programming	H	4	A	Nov/Dec 2010							
3	MCA402	Software Engineering	H	4	A+	Nov/Dec 2010							
3	MCA403	Object Oriented Analysis and Designs	H	4	A+	Nov/Dec 2010							
3	MCA481	Software Engineering Laboratory	H	2	B	Nov/Dec 2010							
3	MCA482	Java Programming Laboratory	H	2	B	Nov/Dec 2010							
3	MCA619	Computer Animation	H	3	A+	Nov/Dec 2010							
3	MCA620	Digital Image processing	H	3	A+	Nov/Dec 2010							
4	HSS331	English Advanced Level	H	2	A+	Apr/May 2011							
4	MCA404	UNIX and Network Programming	H	4	A+	Apr/May 2011							
4	MCA405	Computer Networks	H	4	A+	Apr/May 2011							
4	MCA406	Visual Programming	H	4	A+	Apr/May 2011							
4	MCA483	Visual Programming Laboratory	H	2	A+	Apr/May 2011							
4	MCA484	Unix and Network Programming Laboratory	H	2	A+	Apr/May 2011							
4	MCA616	Computer Security	H	3	C	Apr/May 2011							
4	MCA703	E-Commerce	H	3	A+	Apr/May 2011							
5	MCA501	Middle-Ware Technologies	H	4	A+	Nov/Dec 2011							
5	MCA502	Computer Graphics and Multimedia Applications	H	4	A+	Nov/Dec 2011							
5	MCA581	Graphics Laboratory	H	2	A+	Nov/Dec 2011							
5	MCA582	Middle-Ware Laboratory	H	2	A+	Nov/Dec 2011							
5	MCA598	Mini Project	H	6	A	Nov/Dec 2011							
5	MCA610	Distributed Computing	H	3	A+	Nov/Dec 2011							
5	MCA704	Management Information Systems	H	3	A+	Nov/Dec 2011							
6	MCA599	Project Work	H	12	A	Apr/May 2012							
Non-CGPA COURSES													
5	NCG403	Industrial Lectures		3	Pass								
5	NCG506	Sports		3	Pass								
6	NCG602A	International Certifications		4	Pass								

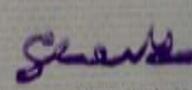
CGPA CREDITS				NON-CGPA CREDITS	
EARNED	TOTAL TO BE EARNED	CGPA	CLASS AWARDED	EARNED	TOTAL TO BE EARNED
132	132	8.3561	First Class with Distinction	10	10

Please see onward for details



Place: Krishnankoil
Date: 21/05/2012





Director (Academic)



KALASALINGAM UNIVERSITY

Kalasalingam Academy of Research and Education

(Under Section 3 of UGC Act 1956)

Anand Nagar, Krishnankoil - 626 190, Tamil Nadu, INDIA

Sl. No: 102469



Provisional Certificate

Register No: 9909116038

MUTHU SRINIVASAN M

This is to certify that.....

has qualified for the Degree of..... **MCA(Master of Computer Applications)**.....

..... he/she having passed the final examination

held in..... **Apr/May 2012**..... He/She has secured a CGPA of..... **8.3561**.....

and placed in..... **First Class with Distinction**.....



Place: Krishnankoil

Date: 19/5/2012

Director (Academic)

Vice - Chancellor

KALASALINGAM UNIVERSITY

(Kalasalingam Academy of Research and Education)
(Under Section 3 of UGC Act 1956)



Sl. No : 98992065

Anand Nagar
Krishnankoil – 626 126
Tamil Nadu, INDIA

M.Tech Degree Examinations CONSOLIDATED GRADE CARD

Name of the Student: MUTHU SRINIVASAN M

Register No : 9912104023

Branch: Computer Science and Engineering

Batch: 2012-2014

SEM	COURSE CODE	NAME OF THE COURSE	ATT. CODE	CREDITS	GRADE	MONTH & YEAR OF PASSING
CGPA COURSES						
1	CSE5001	Advanced Data Structures and Algorithms	H	3	A	Nov/Dec 2012
1	CSE5002	Distributed Computing	H	3	A	Nov/Dec 2012
1	CSE5003	Advanced Networks	H	3	A	Nov/Dec 2012
1	CSE5004	Advanced Operating Systems	H	3	A	Nov/Dec 2012
1	CSE5010	Web Technology	H	3	A	Nov/Dec 2012
1	CSE5011	Theory of Computation	H	3	B	Nov/Dec 2012
1	CSE5081	Advanced Operating Systems Laboratory	9	1	S	Nov/Dec 2012
1	CSE5082	Distributed Systems Laboratory	H	1	B	Nov/Dec 2012
2	CSE5006	Advanced Computer Architecture	8	3	A	Apr/May 2013
2	CSE5007	Object Oriented System Design	8	3	A	Apr/May 2013
2	CSE5009	Advanced Databases	8	3	A	Apr/May 2013
2	CSE5083	Object Oriented System Design Laboratory	9	1	A	Apr/May 2013
2	CSE5084	Databases Laboratory	8	1	S	Apr/May 2013
2	CSE5104	Network Security	9	3	A	Apr/May 2013
2	CSE6005	Data Mining	9	3	A	Apr/May 2013
2	CSE6008	Cloud Computing	8	3	A	Apr/May 2013
3	CSE5012	Mobile Computing	H	3	S	Nov/Dec 2013
3	CSE6004	Software Architecture	H	3	A	Nov/Dec 2013
3	CSE6006	Wireless Sensor Networks	H	3	S	Nov/Dec 2013
3	CSE6098	Project Work Phase - I	H	6	B	Nov/Dec 2013
4	CSE6099	Project Work Phase - II	9	10	B	Apr/May 2014

CGPA CREDITS

EARNED	TOTAL TO BE EARNED	CGPA	CLASS AWARDED
65	65	8.82	First Class with Distinction

Place : Krishnankoil

Date : 05/06/2014



Please see overleaf for details

Controller of Examinations



KALASALINGAM UNIVERSITY

Kalasalingam Academy of Research and Education

(Under Section 3 of UGC Act 1956)

Anand Nagar, Krishnankoil - 626 126, Tamil Nadu, INDIA

Sl. No: 124008

Provisional Certificate

Register No: 9912104023

This is to certify that **MUTHU SRINIVASAN M**

has qualified for the Degree of **M.Tech(Computer Science and Engineering)**

..... he/she having passed the final examination

held in **Apr/May 2014** He/She has secured a CGPA of **8.82**

and placed in **First Class with Distinction**



Place: Krishnankoil

Date: 5/6/2014



Controller of Examinations

KALASALINGAM UNIVERSITY

Kalasalingam Academy of Research and Education
(Under Section 3 of UGC Act 1956)



Register No : 9912104023

The Board of Management of the Kalasalingam University, hereby makes known that

Ms./Mr. **MUTHU SRINIVASAN M**has been admitted to the

Degree of **Master of Technology in Computer Science and Engineering**

he / she having been certified by duly appointed examiners to be qualified to receive the same

and having been placed in the **First Class with Distinction**

at the examination held in **Apr/May 2014**

Given under the seal of the University



Anand Nagar,
Krishnankoil - 626 126,
Tamil Nadu, India

M. K. Jayanthi

Domini

Seetha

Date: 25/09/2014

Controller of Examinations

Registrar

Vice - Chancellor



MADURAI KAMARAJ UNIVERSITY

B Sc INFORMATION TECHNOLOGY (SEMESTER)

STATEMENT OF MARKS

SSG 3 0050463

SUB CODE	SUBJECT DESCRIPTION	REGISTER NO		CENTRE NO		COLLEGE OF STUDY	SUB CODE	SUBJECT DESCRIPTION	EXAM U & YR		DATE OF PUBLICATION		
		MAX MARKS	MARKS OBTAINED	MAX MARKS	MARKS OBTAINED				U & YR	U & YR			
MUTHU SRINIVASAN M	A6119079	333	KRISHNANKOIL	APR 2009	30-JUN-2009								
17A	TAMIL PAPER - I	100	100	062	062 P	N06	HCC	COMPUTER ORGANIZATION	100	100	046	046 P	N07
17B	TAMIL PAPER - II	100	100	046	046 P	A07	HD1	MAJOR PRACT VII-VISUAL PROGRAMMING	100	100	100	100 P	A08
17C	TAMIL PAPER - III	100	100	055	055 P	N07	HD2	MAJOR PRACT VIII-RDBMS	100	100	100	100 P	A08
17D	TAMIL PAPER - IV	100	100	076	076 P	A08	HDA	VISUAL PROGRAMMING	100	100	066	066 P	A08
2EA	ENGLISH PAPER - I	100	100	053	053 P	N06	HDB	DATABASE MANAGEMENT SYSTEMS	100	100	063	063 P	A08
2EB	ENGLISH PAPER - II	100	100	058	058 P	A07	HDC	PC MAINTENANCE & TROUBLE SHOOTING	100	100	066	066 P	A08
2EC	ENGLISH PAPER - III	100	100	056	056 P	N07	HE1	MAJOR PRACT IX-JAVA PROGRAMMING	100	100	086	086 P	N08
2ED	ENGLISH PAPER - IV	100	100	050	050 P	A08	HE2	MAJOR PRACT X-CLIENT/SERVER	100	100	082	082 P	N08
HA1	MAJOR PRACT I-DIGITAL ELECTRONICS	100	100	083	083 P	N06	HEA	SYSTEM SOFTWARE	100	100	079	079 P	N08
HA2	MAJOR PRACT II-PROGRAMMING IN C	100	100	072	072 P	N06	HEB	CLIENT/SERVER COMPUTING	100	100	074	074 P	N08
HA4	DIGITAL PRINCIPLES & APPLICATIONS	100	100	065	065 P	N06	HEC	NUMERICAL METHODS	100	100	079	079 P	N08
HAB	PROGRAMMING IN C	100	100	063	063 P	N06	HEE	JAVA PROGRAMMING	100	100	059	059 P	N08
HB1	MAJOR PRACT III-PC SOFTWARE	100	100	099	099 P	A07	HEF1	MAJOR PRACT XI-WEB PROGRAMMING	100	100	095	095 P	A09
HB2	MAJOR PRACT IV-DATA STRUCTURES & C++ PROGRAMMING	100	100	100	100 P	A07	HEF2	MAJOR PRACT XII-.NET PROGRAMMING	100	100	100	100 P	A09
HB4	OBJECT ORIENTED PROGRAMMING IN C++	100	100	074	074 P	A07	HFA	COMPUTER NETWORKS	100	100	079	079 P	A09
HBB	DATA STRUCTURES	100	100	050	050 P	A07	HFB	OPERATING SYSTEMS	100	100	036	036 P	A09
HC1	MAJOR PRACT V-MICROPROCESSOR & ASSEMBLY LANGUAGE PROGRAMMING	100	100	094	094 P	N07	HFC	SOFTWARE ENGINEERING	100	100	072	072 P	A09
HC2	MAJOR PRACT VI-UNIX & SHELL PROGRAMMING	100	100	098	098 P	N07	HFD	WEB DESIGN	100	100	075	075 P	A09
HCA	RESOURCE MANAGEMENT TECHNIQUES	100	100	054	054 P	N07	4EN	PART V - ENVIRONMENTAL STUDIES	100	100	084	084 P	N08
HCB	MICROPROCESSOR & ASSEMBLY LANGUAGE PROGRAMMING	100	100	060	060 P	N07			100	100	093	093 P	A08
CLASS		PART I - SECOND					TOTAL MARKS		PART I - 0239/400				
		PART II - SECOND							PART II - 0217/400				
		PART III - FIRST							PART III - 2269/3000				
		PASSING MINIMUM - 35%											

Signature of the Candidate

Dr. S. Shanmugiah

Model Paper
Marked - 423/021

Over Administrators: R - Result; P - Pass; F - Fail; AAA - Absent; SUBJ - Subject; M - Month; (A - April; M - November) YR - Year; MAX - Maximum; I - Internal; E - External; T - Total

Dr. S. Shanmugiah

KALASALINGAM UNIVERSITY

(Kalasalingam Academy of Research and Education)
(Under Section 3 of UGC Act 1956)



Sl. No : 98992065

Anand Nagar
Krishnankoil – 626 126
Tamil Nadu, INDIA

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Register No : 9912104023

Branch: Computer Science and Engineering

Batch: 2012-2014

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2	CSE6005	Data Mining	9	3	A	Apr/May 2013
2	CSE6008	Cloud Computing	8	3	A	Apr/May 2013

3	CSE5012	Mobile Computing	H	3	S	Nov/Dec 2013
3	CSE6004	Software Architecture	H	3	A	Nov/Dec 2013
3	CSE6006	Wireless Sensor Networks	H	3	S	Nov/Dec 2013
3	CSE6098	Project Work Phase - I	H	6	B	Nov/Dec 2013

4	CSE6099	Project Work Phase - II	9	10	B	Apr/May 2014

CGPA CREDITS

EARNED	TOTAL TO BE EARNED	CGPA	CLASS AWARDED
65	65	8.82	First Class with Distinction

Place : Krishnankoil

Date : 05/06/2014



Please see overleaf for details

Controller of Examinations



TRANSFER CERTIFICATE

1. Name of the pupil : MUTHU SRINIVASAN M
2. Date of Birth : 7/9/1988
3. Nationality, Religion and Caste : Indian Hindu and Isai vellalar
4. Date of joining to the university : 4/7/2012
5. Course details
- a) Registration no. : 9912104023
- b) Degree : M.Tech
- c) Specialization : Computer Science and Engineering
- d) Batch : 2012 - 2014
6. Whether qualified for promotion to a higher class : Yes (Refer the Grade Sheet)
7. Is there any break during the studies (if so specify the period) : No
8. Whether the pupil has paid all the fees to the University : Yes
9. Date on which application for TC was made : 28/5/2014
10. Date on which actually the pupil left the university : 3/4/2014
11. Medium of instruction





SRI KALISWARI COLLEGE

(Autonomous, Co-educational, Affiliated to Madurai Kamaraj University, Madurai)
Re-accredited (3rd Cycle) with 'A' Grade by NAAC with CGPA of 3.11)

A. Meenakshipuram, Analkutram Post,

SIVAKASI - 626 130.

S. Krishnamurthy, M.Com.,M.Phil.,Ph.D.,MBA,
Principal

Date:20.06.2020

EXPERIENCE CERTIFICATE

This is to certify that *Mr.M.Muthusrinivasan* is working in our Institution as Assistant Professor in the Department of Computer Applications from 11.06.2014 to till date.



S. Krishnamurthy
PRINCIPAL

Principal
SRI KALISWARI COLLEGE
(Autonomous)
SIVAKASI - 626 130

आयकर विभाग

INCOME TAX DEPARTMENT



भारत सरकार

GOVT. OF INDIA

M MUTHUSRINIVASAN
MUTHUKUMARASWAMY

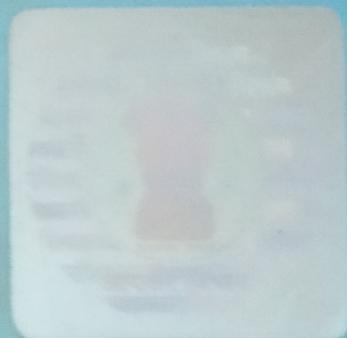
07/09/1988

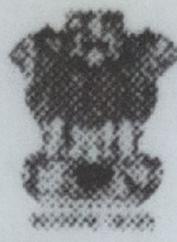
Permanent Account Number

BOOPM3929M

M. Muthu

Signature

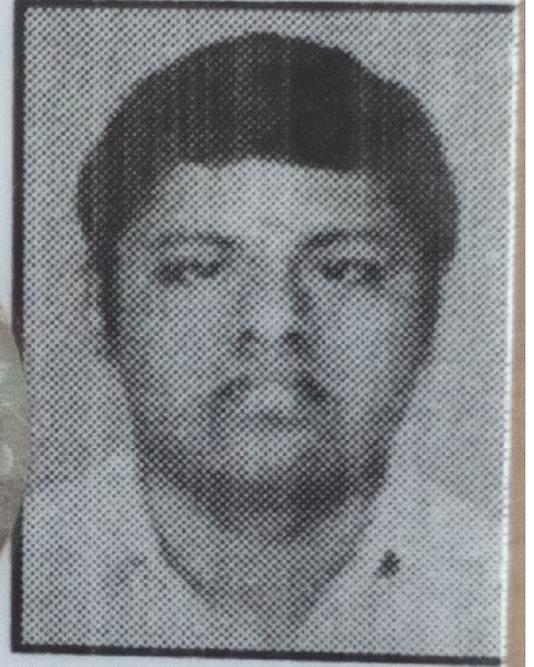




இந்திய தேர்தல் ஆணையம்
வாக்காளர் அடையாள அட்டை

ELECTION COMMISSION OF INDIA
IDENTITY CARD

YXB0106492



வாக்காளர் பெயர் : முத்துசீனிவாசன்

Elector's Name : **Muthusrinivasan**

தகப்பனார் பெயர் : முத்துகுமாரசாமி

Father's Name : **Muthukumarasamy**

பாலினம் / **Sex** : ஆண் / Male

பிறந்த தேதி / **Date of Birth**: 07/09/1988

ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr./Ms./Mrs. MUTHUSRINIVASAN . M is employed as ASSISTANT PROFESSOR (Designation) in the COMPUTER APPLICATIONS (Department/Division Name) of SRI KALISWARI COLLEGE (AUTONOMOUS) (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: 20.6.20

Signature of the Head of Organization with office seal

Principal

SRI KALISWARI COLLEGE

(Autonomous)

SIVAKASI - 626 130

