



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

**APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES**

Date of Application:25-12-2020

Department	COMPUTER SCIENCE AND ENGINEERING	Application No.	202020206
Area of Research	DATA MINING	Research Mode	PART TIME

**Name** :C.SHARON ROJI PRIYA

**Date of Birth / Age** :29-09-1982 / 38 Years

**Gender** :FEMALE

**Category** :BC

**e-Mail ID** :sharonroji@gmail.com

**Mobile** :9894774536



<b>Father's/Husband's Name</b>	R.SANTHOSH KUMAR	<b>Father's/Husband's Occupation</b>	ENGINEER
<b>Family Income</b>	5 LAKHS	<b>Residential Type</b>	RURAL
<b>Birth Place</b>	NAGERCOIL	<b>Mother Tongue</b>	TAMIL
<b>Religion</b>	CHRISTIAN	<b>Martial Status</b>	MARRIED
<b>Aadhaar No.</b>	412154083776	<b>PAN No.</b>	FVQPS2639R
<b>Physically Challenged</b>	NO	<b>Type of Disability</b>	-
<b>Address for Communication:</b> PLOT NO:40,41, PEACE VALLEY NEAR CHECKPOST,NALLUR ROAD HOSUR KRISHNAGIRI DISTRICT TAMIL NADU INDIA Pin-635109		<b>Permenant Address:</b> PLOT NO:40,41, PEACE VALLEY NEAR CHECKPOST,NALLUR ROAD HOSUR KRISHNAGIRI DISTRICT TAMIL NADU INDIA Pin-635109	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
M.E	CSE	NOORUL ISLAM COLLEGE OF ENGINEERING	2007	84	FCD	REGULAR
B.E	CSE	KARUNYA INSTITUTE OF TECHNOLOGY	2005	7.72	FC	REGULAR

Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	
SRI SAIRAM COLLEGE OF ENGINEERING	ASSISTANT PROFESSOR	2014-01-27	1970-01-01	TEACHING	
ADHIYAMAAN COLLEGE OF ENGINEERING	LECTURER	2009-07-01	2010-03-31	TEACHING	
KARUNYA UNIVERSITY	LECTURER	2007-06-04	2008-11-28	TEACHING	

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status

202020206_201225221227	VHD49595081465	25-12-2020	600	SUCCESS
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**PROPOSED TITLE:**

EFFICIENT CLASSIFICATION OF STREAMING DATA FROM CYBER PHYSICAL SYSTEM

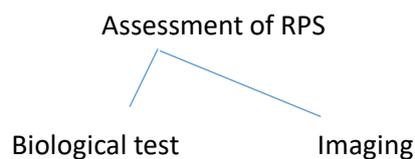
**OBJECTIVE:**

Retroperitoneal soft tissue sarcomas (RPS) are rare tumours which can grow to an extremely large size in the retro peritoneum, before symptoms or signs of abdominal pain, back pain develop. RPS have bad prognosis and are often detected at a late stage. In addition, time and costs required for medical experts to screen all patients with RPS are expensive. Oncologists need an automatic diagnosis system to assess a patient's risk. Image mining technique plays a vital role in today's retrieval process. One challenge in implementing such a system is locating the affected region accurately using image mining techniques like segmentation, classification, clustering etc.,

**SCOPE OF THE RESEARCH WORK:**

The aim of this work is to subject Positron Emission Tomography (PET)-Magnetic Resonance Imaging (MRI) images to mining algorithms for automated early detection of sarcomas and to evaluate the potency of PET-MRI.

**PREVIOUS WORK:**



DETERMINATION OF TUMOR LOCATION IS A MAJOR CRITERION

IMAGING TECHNIQUES	
CT	MRI
Computerised Tomography	Magnetic Resonance Imaging
Uses X-rays	Uses magnetic field
Image bone, soft tissue and blood vessels all at the same time.	Provides much more soft tissue details than a CT scan.
High radiation	Do not emit ionizing radiation.

POSITRON EMISSION TOMOGRAPHY(PET)

- ❖ First nuclear medical imaging technique to give functional information.
- ❖ Produces a three dimensional image of functional processes in the body.
- ❖ Positron- anti-matter electron

- identical in mass

- opposite charge of +1

- ❖ Detect cancerous tissues and cells in the body accurately, compared to computed tomography (CT) or magnetic resonance imaging (MRI)

#### **PROPOSED WORK:**

Subject Positron Emission Tomography (PET)-Magnetic Resonance Imaging (MRI) images to mining algorithms for automated early detection of sarcomas and to evaluate the potency of PET-MRI.

- ❖ Image mining process undergoes many techniques such as classification, clustering, association rule mining etc.
- ❖ Mining algorithms :

GA-SVM

Decision Tree

Naive Bayes

SVM-CART.

- ❖ Improve the interpretability or perception of information in images for human viewers or to provide 'better' input for automated image mining techniques.
- ❖ The goal of mining a medical image is to simplify the representation of an image into a meaningful image and makes it easier to analyse. Evaluation of sarcomas in MRI/CT is conventionally performed using skill and knowledge of experts. This manual assessment on sarcoma is time consuming but also shows high inconsistency among human raters. To overcome this drawback of inaccurate prediction, PET-MRI images are initially subjected to any of the image enhancement techniques and further subjected to clustering or classification for automated detection of sarcomas that can reveal very encouraging results in terms of quality of solution found.



The Syndicate of the Anna University Chennai hereby makes known that SHARON ROJI PRIYA C has been admitted to the **DEGREE OF MASTER OF ENGINEERING** in **COMPUTER SCIENCE AND ENGINEERING** under the Faculty of Information and Communication Engineering, having completed the prescribed programme of study and having been certified by the duly appointed examiners to be qualified to receive the same, and has been placed in **FIRST CLASS WITH DISTINCTION** at the Examination held in **JUNE 2007**.

Given under the Seal of the University



Chennai 600 025  
India  
December 2007

DPM 600504407

*V. Srinivasan*  
Controller of Examinations

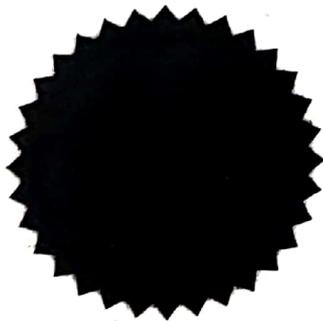
*K. J. Srinivasan*  
Registrar

*M. Srinivasan*  
Vice-Chancellor



The Syndicate of the Anna University hereby makes known that SHARON ROJI PRIYA C has been admitted to the **DEGREE OF BACHELOR OF ENGINEERING** in **Computer Science and Engineering** having satisfactorily completed the prescribed programme of study through **Karunya Institute of Technology, Coimbatore**, an autonomous College affiliated to this University and having been certified by duly appointed examiners to be qualified to receive the same and having been placed by them in the **First Class** at the Examination held in **APRIL 2005**.

Given under the Seal of the University



Chennai 600 025  
India  
November 2005

  
Registrar

  
Vice-Chancellor



ANNA UNIVERSITY  
CHENNAI  
M.E. DEGREE EXAMINATIONS  
CONSOLIDATED STATEMENT OF MARKS

Folio No. F511906

NAME OF THE CANDIDATE		SHARON ROJ PRIYA C			REGISTER NO.	95305405016
COLLEGE OF STUDY		SSS Noorul Islam College of Engineering			MONTH & YEAR OF LAST APPEARANCE	June 2007
PROGRAMME & SPECIALIZATION		M.E. Computer Science and Engineering			REGULATIONS	2005
SEM.	SUBJECT CODE	SUBJECT TITLE	MAX	MIN	MARKS SECURED	MONTH & YEAR OF PASSING
01	CS1601	Computer Architecture	100	50	083	NOV 2005
01	CS1602	Data Structures and Algorithms	100	50	080	NOV 2005
01	CS1603	Operating Systems	100	50	085	NOV 2005
01	CS1604	Software Engineering Methodologies	100	50	073	NOV 2005
01	MA1617	Mathematical Foundations of Computer Science	100	50	071	NOV 2005
01	CS1605	Data Structures Lab	100	50	094	NOV 2005
01	CS1606	Operating System Lab	100	50	092	NOV 2005
02	CS1651	Data Base Technology	100	50	087	JUN 2006
02	CS1652	Computer Networks	100	50	070	JUN 2006
02	CS1653	Compiler Design	100	50	074	JUN 2006
02	CS1654	Object Oriented System Design	100	50	085	JUN 2006
02	CS1655	Web Technology	100	50	084	JUN 2006
02	CS1623	Mobile Computing	100	50	078	JUN 2006
02	CS1656	Networking Lab	100	50	094	JUN 2006
02	CS1657	Database & Web Technology Lab	100	50	094	JUN 2006
03	CS1629	Network Security	100	50	075	NOV 2006
03	CS1632	Software Quality Assurance	100	50	080	NOV 2006
03	CS1634	Data Ware Housing & Data Mining	100	50	053	NOV 2006
04	CS1751	Project Work	600	300	574	JUN 2007

\*\*\*End of Statement\*\*\*

Classification : **FIRST CLASS WITH DISTINCTION**

Total Marks : 2016 / 2400

Percentage (rounded to nearest integer) : 84



Medium of Instruction : ENGLISH

Chennai - 600 025

Date : 21 06/2007

Controller of Examinations



**Karnataka INSTITUTE OF TECHNOLOGY**  
(An Autonomous Institution affiliated to Anna University)  
KARUNYA NAGAR, COIMBATORE - 641 114

**CONSOLIDATED STATEMENT OF GRADES**

NAME : SHARON ROJI PRIYA C SL. No. C : 000381  
 COURSE : B.E. FOLIO No. : 097  
 BRANCH : Computer Science & Engineering REG No. : 01F097  
 SPECIALISATION: --- MONTH & YEAR OF : JULY 2001  
 ADMISSION

SEM	SUBJECT CODE	NAME OF THE SUBJECT	SUBJECT CREDIT	LETTER GRADE	MONTH & YEAR OF PASSING
1	CS201	Computer Programming and C	3	B	DEC 2001
1	EC101	Basic Electronics Engineering	3	A	DEC 2001
1	EN102	English - II	2	A	DEC 2001
1	MA201	Mathematics - I	4	B	DEC 2001
1	ME101	Basic Mechanical Engineering	3	S	DEC 2001
1	PH101	Physics	2	A	DEC 2001
1	CS201P	Computer Programming and C Lab.	2	A	DEC 2001
1	ME104	Workshop Practice	2	S	DEC 2001
1	PH101P	Physics Lab.	2	S	DEC 2001
2	CE101	Basic Civil Engineering	3	A	APR 2002
2	CH101	Chemistry	2	S	APR 2002
2	EE101	Basic Electrical Engineering	3	A	APR 2002
2	EN201	English - III	2	C	APR 2002
2	MA202	Engineering Mathematics - II	4	A	APR 2002
2	CH101P	Chemistry Lab	2	A	APR 2002
2	ME102	Engineering Drawing	4	O	APR 2002
2	ME103	Computer Aided Graphics	4	O	APR 2002
3	CA206	Programming in C++	3	A	DEC 2002
3	CS205	Operating Systems	4	S	DEC 2002
3	CS216	Unix Architecture	4	B	DEC 2002
3	IT201	Digital Integrated Circuits	4	A	DEC 2002
3	MA203	Mathematics-III	4	B	DEC 2002
3	SE201	Theory of Programming Languages	4	B	DEC 2002
3	CA207	Programming in C++ Lab.	4	B	DEC 2002
3	IT202	Digital Integrated Circuits Lab.	2	S	DEC 2002
4	CS207	Object Oriented Analysis & Design	4	C	DEC 2002
4	EC215	Microprocessors and Microcontrollers	4	A	APR 2003
4	EN204	Communication Skills	4	A	APR 2003
4	IT204	Computer Architecture	2	B	APR 2003
4	IT205	Data Communication and Computer Networks	4	A	APR 2003
4	IT210	Data Structures	4	P	APR 2003
4	MA204	Mathematics - IV	4	A	APR 2003
4	CS218	Data Structures Lab.	4	B	APR 2003
4	EC217	Microprocessor Lab - I	2	S	APR 2003
4	CS212	Distributed Computing	4	A	DEC 2003
5	CS213	Database Management Systems	4	B	DEC 2003
5	CS215	Principles of Compiler Design	4	S	DEC 2003
5	IT206	Interactive Multimedia	4	P	DEC 2003
5	MA206	Numerical Methods	4	S	DEC 2003
5	CS214	DBMS Lab.	2	S	DEC 2003

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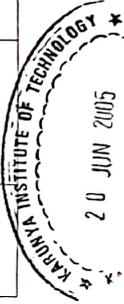
SEM	SUBJECT CODE	NAME OF THE SUBJECT	SUBJECT CREDIT	LETTER GRADE	MONTH & YEAR OF PASSING
5	CS217	Unix & Linux Lab.	2	S	DEC 2003
5	IT207	Interactive Multimedia Lab.	2	A	DEC 2003
5	CS901	Industrial Training - I	1	S	DEC 2003
6	CA212	Web Technology	4	B	APR 2004
6	CS208	Java Programming	4	B	APR 2004
6	CS210	Windows Programming	4	C	APR 2004
6	EC216	Microprocessors Interfacing Techniques	4	A	APR 2004
6	IT208	Internetworking	4	B	APR 2004
6	MS202	Managerial Skills	2	B	APR 2004
6	VE102	Value Education - II	2	A	APR 2004
6	CA213	Web Technology Lab.	2	A	APR 2004
6	CS209	Java Programming Lab.	2	S	APR 2004
6	CS211	Windows Programming Lab.	2	S	APR 2004
7	CS232	Cryptography and Network Security	4	A	DEC 2004
7	CS238	Enterprise Java (J2EE)	4	B	DEC 2004
7	CS240	Principles of Real Time Systems	4	B	DEC 2004
7	CS241	Soft Computing	4	A	DEC 2004
7	CS321	C# and Dot Net Platform	4	B	DEC 2004
7	MS201	Business Environment	2	P	DEC 2004
7	CS239	Enterprise Java (J2EE) Lab.	2	A	DEC 2004
7	CS242	Computer Hardware Peripherals & Networking Lab.	2	S	DEC 2004
7	CS322	C# and Dot Net Programming Lab.	2	S	DEC 2004
7	CS951	Mini Project - I	2	S	DEC 2004
7	CS234	Software Engineering	2	S	DEC 2004
8	IT221	Mobile Communication	3	C	APR 2005
8	CS998	Half Semester Project	4	A	APR 2005
8			12	S	APR 2005
4	NA074*	Music Club	1	C	APR 2003
4	NA151*	Value Education Modular Course - I	1	A	APR 2003
5	NA085*	Mountaineering Trekking Adventurous Club	1	P	DEC 2003
5	NA145*	Bethesda Services	1	P	DEC 2003
5	NA175*	Youth Red Cross	1	S	DEC 2003
8	NA058*	Department Associations	1	C	APR 2005

Non-Academic Programs:

\*\*\*END OF STATEMENT\*\*\*

\* Not considered for CGPA Calculation

ACADEMIC CREDITS		NON-ACADEMIC CREDITS		CUMULATIVE GRADE POINT AVERAGE (CGPA)	CLASS AWARDED
EARNED	TOTAL TO BE EARNED	EARNED	TOTAL TO BE EARNED		
210	200	6	6	7.72	FIRST CLASS



20 JUN 2005

Date - Seal - CONTROLLER OF EXAMINATIONS

Book No. 62

Serial No. 747

# NOORUL ISLAM COLLEGE OF ENGINEERING



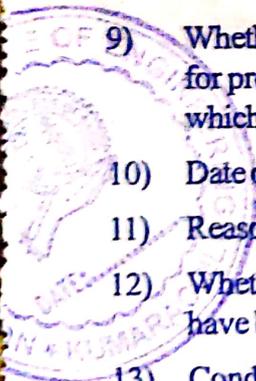
KUMARACOIL, POST BOX No.1, THUCKALAY  
KANYAKUMARI DIST, (TAMIL NADU) Pin - 629 180



Approved by the A. I. C.T.E., Govt. of India  
Accredited by National Board of Accreditation, AICTE, New Delhi  
An I.S.O. Certified Institution and Accredited by Institution of Engineers (India)  
Permanently affiliated to Anna University, Chennai

## TRANSFER CERTIFICATE

- 1) Name of Student : SHARON ROJI PRIYA.C ✓
- 2) Father's Name : MR. V. Cornelius Devaprakasam
- 3) Community and religion : Nadar, Christian (BC) ✓
- 4) Date of birth of student as entered in Admission register } : 29-09-1982 (Twenty Ninth-September Nineteen Eighty Two)
- 5) Admission number : OSRME116
- 6) Date of admission : 18-07-2005
- 7) Course and branch of study in which admitted } : ME (Computer Science and Engineering)
- 8) Semester up to which the student studied in the college } : IV Semester course completed
- 9) Whether the student is eligible for promotion and if so to which higher Semester } : REFER MARKS STATEMENT
- 10) Date of leaving : 31-07-2007
- 11) Reasons for leaving the college : COURSE COMPLETED
- 12) Whether all dues in the college have been paid : Yes
- 13) Conduct and character : Very Good



Kumaracoil

Date: 07 JUL 2014

(Seal)

*Dr. N. Chandrashekhar*

PRINCIPAL 7714

Dr. N. Chandrashekhar, B.E., Ph.D. (IT-M),  
Principal  
Noorul Islam College of Engineering

# ADHIYAMAAN COLLEGE OF ENGINEERING

(Autonomous)

Approved by AICTE New Delhi & Accredited by NBA, AICTE, New Delhi.  
Affiliated to Anna University, Coimbatore & ISO 9001 : 2000 Certified Institution.  
Dr. M.G.R. Nagar, HOSUR - 635 109, Tamil Nadu.



Phone : Off. : 04344 - 260570, 261002 / 261003,  
Website : www.adhiyamaan.ac.in

Fax: 04344 - 260573  
E-mail : ace\_au@adhiyamaan.ac.in

15 June, 2010

## RELIEVING ORDER & SERVICE CERTIFICATE

**Sub:** Establishment – Adhiyamaan College of Engineering, Hosur –  
Department of Information Technology – Ms.C.Sharon Roji Priya,  
Lecturer – Relieving Order & Service Certificate – issued – regarding.

**Ref:** Her letter No. Nil, dated 14.06.2010.

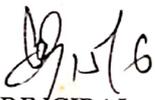
\*\*\*

This is to certify that Ms.C.Sharon Roji Priya worked as Lecturer in the Department of Information Technology in this Institution from 01.07.2009 to 31.03.2010. During her tenure as Lecturer, she was paid Rs.12,000/- (Rupees twelve thousand only) as basic salary per month and other allowances.

She was relieved of her duties and responsibilities on the Afternoon of 15 June, 2010 as per her request on personal grounds.

Her Character and Conduct are

Good

  
PRINCIPAL

PRINCIPAL  
ADHIYAMAAN COLLEGE OF ENGINEERING  
Dr. M.G.R. NAGAR,  
HOSUR - 635 109.





# Karunya UNIVERSITY

(Declared as Deemed-to-be-University under Section-3 of the UGC Act, 1956)

Karunya Nagar, Coimbatore 641 114, Tamil Nadu, India

"A" Grade by NAAC and Programmes accredited by NBA

Phone : +91-422-2614300

Fax : +91-422-2615615

Website : [www.karunya.edu](http://www.karunya.edu)

Email : [ku@karunya.edu](mailto:ku@karunya.edu)

**Dr. (Mrs.) Anne Mary Fernandez, Ph.D.**  
**Registrar**

KU/REG/HR-1/5445/08

29.11.2008

## EXPERIENCE CERTIFICATE

This is to certify that **Ms. C.Sharon Roji Priya** was working as Lecturer in the Department of Computer Science and Engineering of the School of Computer Science and Technology of this University from **04.06.2007 to 28.11.2008** (both days inclusive).

Her basic pay was fixed at **Rs. 8000/-** per month in the scale of **Rs. 8000-275-13500/-** and she was drawing a total salary of **Rs. 19,460/-** per month at the time of relieving her from this University.

  
**REGISTRAR**

आयकर विभाग  
INCOME TAX DEPARTMENT

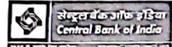


भारत सरकार  
GOVT. OF INDIA

SHARONROJIPRIYA C  
CORNELIUSDEVAPRAKASAM  
29/09/1982

Permanent Account Number  
FVQPS2639R

Signature



JAYANAGAR EXTENSION BANGALORE  
Account No: 3325637825

CF no 8167432364

Branch Address And Tel No.:  
NO.547, NEW NO.50/4 AND 5, ACH  
LAYOUT R.V. ROAD, II BLOCK, JAY  
BHAVANAGULLI POST, BANGALORE  
560004  
Tel:- 26560071

MICR Code:560016000  
IFSC Code:CEIN0281658  
28/02/2014  
तारीख / Date

Name And Address Of Account Holder/s:  
Mrs. C SHARON ROJIPRIYA

SHIROY SAI EMGG COLLEGE  
SAI LEO NAGAR SAMANDUR POST  
ANEKAL BANGALORE  
562106 Nomination:Y  
OPERATING SINGLY  
Toll Free No.: 18002001911

अधिकारी / प्रबंधक  
OFFICER / MANAGER



R.Dis...../9

dt.

BC

சான்றிதழ் எண் :  
Certificate No :

2997230

மாவட்டக் குறியீடு எண் :  
District Codeவட்டக் குறியீடு எண்  
Taluk Codeகிராமக் குறியீடு எண்  
Village Code

2	0	
0	2	
0	1	8

சாதிச் சான்றிதழ்  
COMMUNITY CERTIFICATE

கண்ணியாசனம் மாவட்டம் அகஸ்தீஸ்வரம் வட்டம்  
கொட்டறம் கிராமம்/நகரம் திரு / திருமதி / செல்வி/  
செல்வி C. ஜானார்த்தனம் தகப்பனார்/கணவர்  
பெயர் V. கைஸ்ஜீஸ்வரம் பிறகைம்  
கிளிஸ்தீஸ்வரம்

வகுப்பைச் சார்ந்தவர், அரசு ஆணை நிலை எண் 28 பிற்பட்ட மற்றும்  
மிகவும் பிற்பட்ட பிரிவின் நலத்துறை நாள் 19-7-1994 வரிசை எண் 22 படி,  
பிற்பட்ட பிரிவினைச் சார்ந்தவர் எனச் சான்றளிக்கப்படுகிறது.

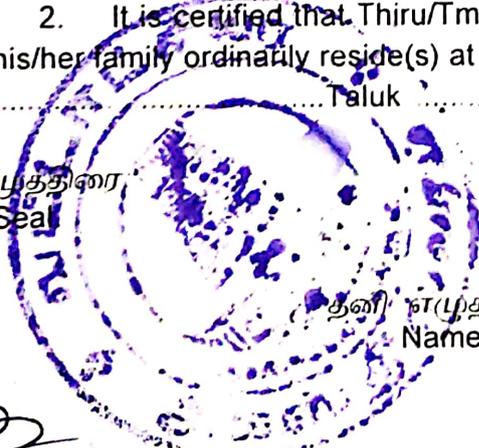
This is to certify that..... Son / Daughter  
of Thiru..... of.....

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 C. ஜானார்த்தனம்  
என்பவரும் அவருடைய குடும்பத்தினரும் தமிழ்நாட்டில் கண்ணியாசனம்  
மாவட்டத்தில் அகஸ்தீஸ்வரம் வட்டத்தில் கொட்டறம்  
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  
Sealகையொப்பம் :  
Signatureநாள் :  
Dateதலை எழுத்துக்களில் பெயர்  
Name in Capital Lettersபதவிப் பெயர் :  
Designation

வை. ஜனார்த்தனம்,  
மண்டல துணை வட்டாட்சியர்,  
அகஸ்தீஸ்வரம் வட்டம்,  
(0) நாகர்கோவில் - 629 001.

29.2.2000

ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr./Ms./Mrs. <sup>✓</sup> C. SHARON ROJI PRIYA is employed as Assistant Professor (Designation) in the Computer Science and Engineering (Department/Division Name) of Sri Sairam College of Engineering (Institution/Industry Name).

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

FOR FULL TIME:

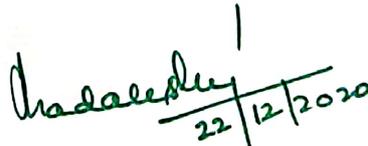
The candidate will be sanctioned leave for the duration of the research programme and will be relieved from duty from \_\_\_\_\_ to \_\_\_\_\_ to undertake the full time research work in the University.

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: 22/12/2020

  
22/12/2020

  
22/12/2020

Signature of the Head of Organization with office seal

**PRINCIPAL**

Sri Sairam College Of Engineering  
Sai Leo Nagar, Guddanahalli Post,  
Anekal, Bengaluru - 562 106