



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

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

Date of Application:03-07-2020

Department	COMPUTER APPLICATIONS	Application No.	20200195
Area of Research	ARTIFICIAL INTELLIGENCE	Research Mode	PART TIME

**Name** :RENY JOSE  
**Date of Birth / Age** :28-11-1979 / 40 Years  
**Gender** :FEMALE  
**Category** :OC  
**e-Mail ID** :reny.jose@mariancollege.org  
**Mobile** :09446984809



<b>Father's/Husband's Name</b>	JIBOY JOSE	<b>Father's/Husband's Occupation</b>	AE,KWA
<b>Family Income</b>	200000	<b>Residential Type</b>	RURAL
<b>Birth Place</b>	KURAVILANGAD	<b>Mother Tongue</b>	MALAYALAM
<b>Religion</b>	CHRISTIAN	<b>Martial Status</b>	MARRIED
<b>Aadhaar No.</b>	235815027286	<b>PAN No.</b>	AHPPJ1723M
<b>Physically Challenged</b>	NO	<b>Type of Disability</b>	-
<b>Address for Communication:</b> UTHUPPASERIL HOUSE PARATHODE KANJIRAPPALLY KOTTAYAM DISTRICT KERALA INDIA Pin-686512		<b>Permenant Address:</b> UTHUPPASERIL HOUSE PARATHODE KANJIRAPPALLY KOTTAYAM DISTRICT KERALA INDIA Pin-686512	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
MPHIL	COMPUTER SCIENCE	VINAYAKA MISSION UNIVERSITY	2009	71%	FIRST	DISTANCE
MCA	COMPUTER APPLICATIONS	BHARATHIAR UNIVERSITY	2003	81.08%	FIRST	REGULAR
BSC	MATHEMATICS	MAHATMA GANDHI UNIVERSITY	2000	87.5%	FIRST	REGULAR

Experience				
Organization	Designation	Experience From	Experience TO	Work Nature
MARIAN COLLEGE KUTTIKKANAM	ASSISTANT PROFESSOR	2005-02-05	2020-07-03	REGULAR TEACHER

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
20200195_200709211935	SHMP8980815784	09-07-2020	600	SUCCESS

# **Research Proposal**

## **Identify and classify spices using deep learning and computer vision**

### **Introduction**

Spices are part of Indian History. It is the most common item that is used for cooking in any cuisine. They are also used as medicine. In Kerala, the high range areas are famous for spices and it's an earning for the layman. The price of spices varies based on the quality/ grade of the products. There is no mechanism to standardize the price based on quality. Cardamom price is controlled by the spices board, but for other spices, there is no mechanism.

### **Methodology**

Artificial Intelligence (AI) is the theory and development of computer systems able to perform tasks normally requiring human intelligence, such as visual perception, decision-making, etc

Machine learning is a subset of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. Machine learning algorithms are often categorized as supervised or unsupervised or semi-supervised learning or Reinforcement machine learning algorithms. Deep learning is a subset machine learning technique that teaches computers to do what comes naturally to humans: learn by example

### **Expected outcome**

Using machine learning or deep learning algorithm we can able to

- Identify the different spices
- Grade a particular type of spices
- Predict the price based on the grades

### **Reference**

- Soh Che, K.K.C how, U. K. Mohammad, A. J. Yusuf, M. K. Ishak Hassan and S. Khamis, "Development of neural network-based electronic nose for herbs recognition", *International journal on Smart sensing and intelligent systems*, ISSN 1178 5608.

- Ferhat Kurtulmuş,Ilknur Alibas,Ismail kavdır Classification of pepper seeds using machine vision based on neural network ,International Journal of Agricultural and Biological Engineering December 2015

**Submitted by**

**ReNy Jose**

**Assistant Professor**

**Marian College Kuttikkanam(Autonomous)**

**Email: [reny.jose@mariancollege.org](mailto:reny.jose@mariancollege.org)**

**Phone:09446984809**

Reg. No. : 605021080311

Sl. No. : 035511

C.No : 1221

# Vinayaka Missions University



The Board of Management of the Vinayaka Missions University

hereby makes known that

Mr / Ms. RENY JOSE

Has been admitted to the Degree of

**MASTER OF PHILOSOPHY IN COMPUTER SCIENCE**

having been certified by the duly appointed examiners to be qualified to receive

the same at the examination held in JAN 2009

and placed in FIRST class



Given under the seal of the University

Under Section 3 of the UGC Act 1956

(Formerly Vinayaka Mission's Research Foundation Deemed University)

Registrar

Vice-Chancellor

Date : 07/Jul/2012

Salem, India





**பாரதியார் பல்கலைக் கழகம்**  
**Bharathiar University**

அறிவியல் புலம்

**FACULTY OF SCIENCE**

ஏப்ரல் 2003 ஆம்

ஆண்டு

நடத்திய

தேர்வில்

**பாரதியார் பல்கலைக் கழகம்**

ரெனி ஜோஸ்,

முதல்

வகுப்பில்

தேர்ச்சி

பெற்றுத்

தகுதியடைந்திருப்பதாக,

உரிய

தேர்வாளர்கள்

சான்றளித்ததை

ஏற்று,

கணிப்பான் பயன்முறை நிற்றனர்

என்னும்

பட்டத்தினை

அவருக்குப்

பல்கலைக்

கழக

இலச்சிளையுடன்,

**பாரதியார் பல்கலைக் கழக**

**ஆட்சிக் குழு** வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that **RENY JOSE** has been admitted to the Degree of **MASTER OF COMPUTER APPLICATIONS**, having been certified by duly appointed Examiners to be qualified to receive the same and was placed in **FIRST Class**, at the Examination conducted in **APRIL 2003** by Bharathiar University.

Given under the Seal of the University.



கோயம்புத்தூர்

Coimbatore

நாள்

*Srinivasan*

பதிவாளர்

Registrar

Dated: 5th March 2004

S231 4692

Vice-Chancellor

*Srinivasan*

C No 014736

Register No. 2nd Year ..... 82003/A'1999  
&  
Year 3rd Year ..... 82003/A'2000

# Mahatma Gandhi University



## FACULTY OF SCIENCE

*The Syndicate of the Mahatma Gandhi University,  
hereby makes known that*

*Renu Jose*

*has been admitted to the Degree of Bachelor of Science,  
he/she having been certified by duly appointed examiners to be  
qualified to receive the same and having been by them placed  
after passing the prescribed examinations, in the ..... Third ..... class  
in Part I - English, in the .... First .... class in Part II - Additional  
Language (..... Hindi ..... ) and in the ..... First ..... class  
in Part III - Optional Subjects (Group ..... (i.) .....  
..... Mathematics ..... Main and ..... Statistics .....  
..... and ..... Physics ..... Subsidiaries)  
in April 1999, April 1999 and April 2000 ..... respectively.*

*Given under the seal of the University.*

University Buildings,  
Kottayam - 686 560  
Kerala, India

December 17, 2001



*mi l*  
Vice-Chancellor



# VINAYAKA MISSIONS UNIVERSITY

Salem, Tamilnadu, India

(Established under section 3 of UGC act 1956)

Directorate of Distance Education

000081564

## STATEMENT OF MARKS

Name of the Candidate	BENNY JOSE	Registration No.	605021009211
Programme	MASTER OF PHILOSOPHY IN COMPUTER SCIENCE	Date of Birth	26-11-1979
Semester / Year	<del>###/###/###</del> PART-I	C. Code	ET-664
Regulation	M.PHIL. 2008	Month & Year	JAN 2009

Course Code	Name of the Course	Max Marks	Marks Secured	Result
6030603	RESEARCH METHODOLOGY THEORY AND TECHNIQUES	100	66	PASS
6050101	ADVANCED COMPUTER TECHNIQUES	100	75	PASS
6050301	ADVANCED NETWORKS	100	69	PASS

\*\*\* End Of Statement \*\*\*

PASSING MINIMUM :  
AGGREGATE :50 %

Date : Mar-2009

Salem

AAA : ABSENT

This Statement of Marks bears no correction.



*Syamsi.T*

ASST - COE



# VINAYAKA MISSIONS UNIVERSITY

Salem, Tamilnadu, India (Declared under section 3 of UGC act 1956)

Directorate of Distance Education

Approved By DEC, IGNOU, New Delhi

000425177

## STATEMENT OF MARKS

Name of the Candidate	RENY JOSE	Registration No.	665021080311
Programme	MASTER OF PHILOSOPHY IN COMPUTER SCIENCE	Date of Birth	28-11-1979
Semester / Year	PART-II	Month & Year	JAN 2009
Regulation	M.PHIL. 2008	C. No.	1221

Course Code	Name of the Course	Max Marks	Marks Secured	Result
0000102	DISSERTATION[COMPL.SCIE] *** End Of Statement ***	100	74	PASS

PASSING MINIMUM :  
AGGREGATE 50 %

Date : Jun-2012

Salem

AAA : ABSENT

This Statement of Marks bears no correction.



*Syami J*  
Asst. COE



# BHARATHIAR UNIVERSITY

COIMBATORE

FOLIO NO  
47588

**H.C.A DEGREE (SEMESTER SYSTEM) EXAMINATION**  
**CONSOLIDATED STATEMENT OF MARKS**

NAME OF CANDIDATE		COLLEGE OF STUDY/CENTRE				
RENY JOSE		S.N.R.SONS COLLEGE COIMBATORE				
REGISTER NO	BRANCH OF STUDY		MONTH & YEAR OF LAST APPEARANCE			
003890246	MASTER OF COMPUTER APPLICATIONS		APRIL 2003			
SEM	SUB CODE	SUBJECTS PASSED	MAX	MIN	AWAR DED	MONTH & YEAR
1	13A	DIGITAL COMPUTER FUNDAMENTALS	100	050	072	11 2000
1	13B	PROBLEM SOLVING AND PROGRAMMING IN C	100	050	075	11 2000
1	13C	FOUNDATIONS OF COMPUTER SCIENCE	100	050	074	11 2000
1	13D	ACCOUNTING AND FINANCIAL MANAGEMENT	100	050	078	11 2000
1	13E	DATA AND FILE STRUCTURES	100	050	064	11 2000
1	13P	PROGRAMMING LAB IN C	100	050	094	11 2000
1	13Q	DATA STRUCTURE LAB	100	050	083	11 2000
2	23A	COMPUTER SYSTEM ARCHITECTURE	100	050	067	04 2001
2	23B	DESIGN AND ANALYSIS OF ALGORITHMS	100	050	076	04 2001
2	23C	RELATIONAL DATABASE MANAGEMENT SYSTEMS	100	050	074	04 2001
2	23D	OBJECT ORIENTED PROGRAMMING	100	050	065	04 2001
2	23E	OPERATIONS RESEARCH	100	050	075	04 2001
2	23P	OOPS LAB	100	050	088	04 2001
2	23Q	RDBMS LAB	100	050	089	04 2001
3	33A	SOFTWARE ENGINEERING	100	050	073	11 2001
3	33B	OPERATING SYSTEMS	100	050	077	11 2001
3	33C	OBJECT ORIENTED SYSTEM DESIGN	100	050	075	11 2001
3	33D	COMPUTER NETWORKS	100	050	076	11 2001
3	33E	MULTIMEDIA SYSTEMS	100	050	065	11 2001
3	33P	OPERATING SYSTEMS LAB	100	050	097	11 2001
3	33Q	NETWORK LAB	100	050	099	11 2001
4	43A	VISUAL PROGRAMMING	100	050	078	04 2002
4	43B	SOFTWARE PROJECT AND MANAGEMENT	100	050	081	04 2002
4	43C	NETWORK MANAGEMENT AND ADMINISTRATION	100	050	084	04 2002
4	43P	VISUAL PROGRAMMING LAB	100	050	099	04 2002
4	43Q	SOFTWARE PROJECT LAB	100	050	100	04 2002
4	4EA	E-COMMERCE	100	050	067	04 2002
4	4EE	WEB TECHNOLOGY	100	050	078	04 2002
5	53A	INTERNET PROGRAMMING AND WEB DESIGN	100	050	069	11 2002
5	53B	PRINCIPLES OF MARKETING AND MANAGEMENT	100	050	082	11 2002
5	53C	DISTRIBUTED COMPUTING	100	050	077	11 2002
5	53P	INTERNET PROGRAMMING LAB	100	050	100	11 2002
5	53Q	SOFTWARE DESIGN LAB	100	050	098	11 2002
5	5EC	DATA MINING	100	050	080	11 2002
5	5EF	SOFTWARE TESTING	100	050	082	11 2002
6	67V	PROJECT WORK AND VIVA VOCE	200	100	189	04 2003

\*\* END OF STATEMENT \*\*



TOTAL MARKS 13000/3700 - PASSED IN FIRST CLASS

# MAHATMA GANDHI UNIVERSITY

Book No: 87

Serial No: 4

Section: EF II



KOTTAYAM

Dated: 17 MAR 2000

## MEMORANDUM

The following marks were awarded to  
 Sri / Smt. Remy Jose  
 (Reg. No. 82003) at the Second Year B. Sc. Degree Examination of  
 April/May 1999

SUBJECTS	MARKS AWARDED		Minim. marks for pass	Maxim. marks
	in figures	in words		
Part I - ENGLISH	135	One Three Five	105	300
Part II - ADDITIONAL LANGUAGE ( <u>Hindi</u> )	193	One Nine Three	105	300
Part III - OPTIONAL SUBJECTS				
Group (i) Mathematics				
Paper II	75	Seven Five	-	75
Subsidiary Subjects				
1. Statistics	200	Two Zero Zero	70	200
2. Physics/Chemistry/Astronomy	167	One Six Seven	70	200

Marks entered by: Laminat

Marks compared by: [Signature]

Section Officer: [Signature]

CONTROLLER OF EXAMINATIONS

Prepared by: [Signature]

Admission No. 758

# S. N. R. SONS COLLEGE

COIMBATORE - 641 006

## TRANSFER CERTIFICATE

T.C. No. 4945

Name of the Student

RENY JOSE

Date of birth as entered in the Admission Register

} 28-11-1979

Name of the Parent / Guardian

Mr. Jose Joseph

Nationality

Indian

Community

Christian

Conduct and Character

Excellent

Course for which he / she was admitted

MCA

Date/Month of admission to the Course

26-07-2000

Subjects under part III for which he/she was admitted

} Computer Applications

Class he was studying at the time of his/her leaving

} Final Year

★ Whether he / she is qualified for promotion to the next higher class

} Refer - Mark Sheet

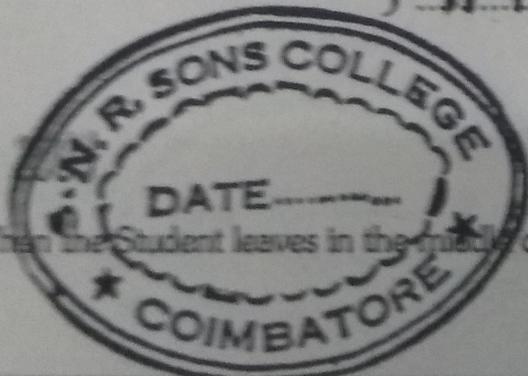
Whether he / she paid all the fees due to the College

} Yes

Last date he/she attended classes in this College

} 1 APR 2003

Date 1 APR 2003



*[Signature]*  
PRINCIPAL

★ Not to be filled When the Student leaves in the middle of an academic year.

# COLLEGE OF APPLIED SCIENCE

(Managed by I.H.R.D. Thiruvananthapuram. A govt. of Kerala undertaking  
& Affiliated to University of Calicut)

VADAKKENCHERRY (MBR), PALAKKAD (DT.), KERALA STATE - PIN- 678 683

Phone: +91 4922 255061, & 259999, (Fax - 255061)

E-mail: [casvdry@sancharnet.in](mailto:casvdry@sancharnet.in) ; [casvdcy@sancharnet.in](mailto:casvdcy@sancharnet.in)

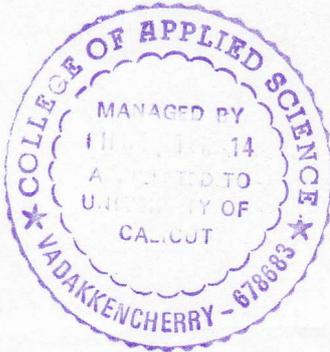
Visit : [www.casvdy.com](http://www.casvdy.com)



## EXPERIENCE CERTIFICATE

Dated 14<sup>th</sup> Feb 2005

It is certified that Miss: Reny Jose D/O Jose Joseph , Kannampadathil House , Nazareth Hill (PO) Kuravilangad , Kottayam Dist ,is working in this institution as guest faculty in computer applications (Lecturer in Comp. Applications) on consolidated pay of Rs 7200/- per month from 2-06-2004 to 08-02-2005. She had also worked in this institution on same capacity from 28-12-2003 to 31-03-2004  
Her character and contact are good.



  
Principal  
COLLEGE OF APPLIED SCIENCE  
VADAKKENCHERRY, PALAKKAD DT.



**RENY JOSE**

**Assistant Professor**

**PG Department of Computer  
Application**



**MARIAN COLLEGE  
KUTTIKANAM**

**(AUTONOMOUS)**

**MAKING COMPLETE**

ID.No. MCKA10409

D.o.Join 9/2/2005

Blood Gr. B+ve

Phone. 9446984809

Address:

UTHUPPASSERIL HOUSE  
PARATHODE P O  
PARATHODE  
KOTTAYAM  
KERALA 686512



*Alaha Jay*

Principal

Marian College Kuttikkanam  
Kuttikkanam P O, Peermade, Kerala - 685531  
+91 - 4869-232203, [www.mariancollege.org](http://www.mariancollege.org)

आयकर विभाग

INCOME TAX DEPARTMENT



सत्यमेव जयते

भारत सरकार

GOVT. OF INDIA

RENY JOSE

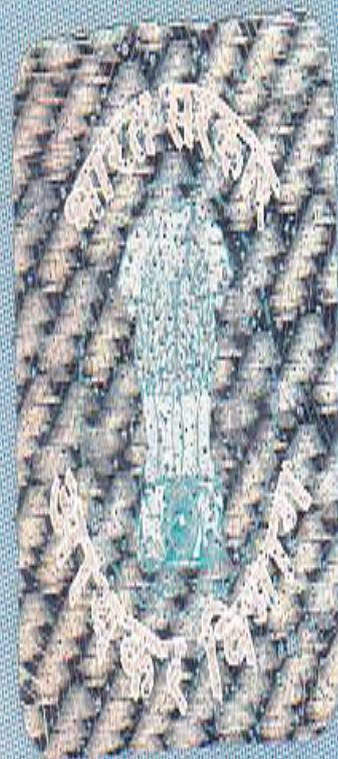
JOSE JOSEPH

28/11/1979

Permanent Account Number

AHPPJ1723M

Signature



09012007

इस कार्ड के खोने/पाने पर कृपया सूचित करें/लौटाएं:

आयकर पैन सेवा इकाई, एन एस डी एल

पहली मंजिल, टाइम्स टॉवर, कमला मिल्स कम्पाउंड, एस. बी. मार्ग,

लोअर परेल, मुंबई-400 013.

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

Income Tax PAN Services Unit, NSDL

1st Floor, Times Tower,

Kamala Mills Compound,

S.B.Marg, Lower Parel, Mumbai - 400 013.

Tel: 91-22-2499 4650, Fax: 91-22-2495 0664

email: [tininfo@nsdl.co.in](mailto:tininfo@nsdl.co.in)



ഭാരതീയ സവിശേഷ തിരിച്ചറിയൽ അതോറിറ്റി

ഭാരതീയ സവിശേഷ തിരിച്ചറിയൽ അതോറിറ്റി

ഭാരത സർക്കാർ

ഭാരത സർക്കാർ

Unique Identification Authority of India  
Government of India

Unique Identification Authority of India  
Government of India

പേരുചേർക്കൽ നമ്പർ / Enrollment No. : 2007/34348/01236

പേരുചേർക്കൽ നമ്പർ / Enrollment No. : 2007/34348/01236

23/12/2012

To  
Reny Jose  
റെനി ജോസ്  
UTHUPPASERIL  
RIVERVIEW LANE  
PEERUMEDU P O  
Peerumade  
Peermade,Idukki  
Kerala - 685531

23/12/2012

To  
Reny Jose  
റെനി ജോസ്  
UTHUPPASERIL  
RIVERVIEW LANE  
PEERUMEDU P O  
Peerumade  
Peermade,Idukki  
Kerala - 685531



KL026320829DF

2632082



KL026320829DF

2632082



നിങ്ങളുടെ ആധാർ നമ്പർ / Your Aadhaar No. :

2358 1502 7286

നിങ്ങളുടെ ആധാർ നമ്പർ / Your Aadhaar No. :

2358 1502 7286

ആധാർ - സാധാരണക്കാരന്റെ അവകാശം

ആധാർ - സാധാരണക്കാരന്റെ അവകാശം



ഭാരത സർക്കാർ  
GOVERNMENT OF INDIA



ഭാരത സർക്കാർ  
GOVERNMENT OF INDIA

റെനി ജോസ്  
Reny Jose  
ഭർത്താവ് : ജിബോയ് ജോസ്  
Husband : Jiboy Jose

റെനി ജോസ്  
Reny Jose  
ഭർത്താവ് : ജിബോയ് ജോസ്  
Husband : Jiboy Jose

ജനന വർഷം/Year of Birth: 1979  
സ്ത്രീ / Female

ജനന വർഷം/Year of Birth: 1979  
സ്ത്രീ / Female

2358 1502 7286

2358 1502 7286





1. Name of Candidate... RENY JOSE.....  
(In English, in block capitals, initials after the Name)  
(a) Expansion of initials, if any.....  
(b) Name in Regional Language. റ.ന.യ. ജോ.സെ......
2. Sex (Male or Female)... Female.....
3. Religion... Christian..... 4. Caste... R.C.S......
5. Place of Birth.....  
(a) Panchayat or Town Kuravilangad (b) Country. India.....
6. Nationality.. Indian.....
7. Date of Birth (in figures)... 28-11-1979.....  
(in words) Twenty Eight November Nineteen Seventy Nine
8. Name of Father..... Jose Joseph.....
9. Name of Mother... Marykully Jose.....
10. Name of Guardian... Jose Joseph.....  
(as given in the admission register)
11. Relationship of the Guardian with the Pupil.. Father.....
12. Occupation of the Parent/Guardian... Teaching.....
13. Parent's or Guardian's Postal Address.....  
Kannampadathil, Nazareth Hill, P.O-686633
14. Mode of Presentation.. Regular.....
15. Personal Marks of Identification  
(i) .. A black mole on the bridge of the nose..  
(ii) .. A black mole on the face near the left ear..

I certify that the entries in this page are accurate as per relevant school records.

Joseph

Name and Signature of Head of School with date

Designation

**HEADMASTER**

**DE PAUL ENGLISH MEDICAL HIGH SCHOOL**

**NAZARETH HILL P.O.: KURAVILANGAD-686 633**



ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr./Ms./Mrs. RENY JOSE is employed as (Designation) ASSISTANT PROFESSOR in the (Department/Division Name) PG DEPARTMENT OF COMPUTER APPLICATIONS of (Institution/Industry) MARIAN COLLEGE KUTTIKKANAM (AUTONOMOUS) 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 : 7/7/20



Signature of the Head of organization with office seal

A handwritten signature in blue ink, appearing to read "Abraham J.", written over a horizontal line.

Principal  
Marian College, Kuttikkanam