



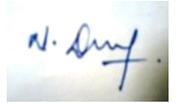
Anand Nagar, Krishnankoil - 626126, Srivilliputtur (via), Virudhunagar District, Tamilnadu.

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:25-06-2020

Department	COMPUTER SCIENCE AND ENGINEERING	Application No.	20200129
Area of Research	MACHINE LEARNING	Research Mode	PART TIME

Name :N.DEEPA
Date of Birth / Age :23-05-1989 / 31 Years
Gender :FEMALE
Category :BC
e-Mail ID :deepanatrayan@gmail.com
Mobile :7810099173



Father's/Husband's Name	V.KANAGARAJ	Father's/Husband's Occupation	SELF EMPLOYED
Family Income	250000	Residential Type	RURAL
Birth Place	DINDIGUL	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	756918740488	PAN No.	BVTPD1497F
Physically Challenged	NO	Type of Disability	-
Address for Communication: 4/195 NALLAMANARKOTTAI VEDASANDUR TK DINDIGUL DISTRICT TAMILNADU INDIA Pin-624005		Permenant Address: 4/195 NALLAMANARKOTTAI VEDASANDUR TK DINDIGUL DISTRICT TAMILNADU INDIA Pin-624005	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
B.E	COMPUTER SCIENCE AND ENGINEERING	ANNA UNIVERSITY	2010	74	FIRST CLASS	REGULAR
M.E	COMPUTER SCIENCE AND ENGINEERING	ANNA UNIVERSITY	2012	8.89	FIRST CLASS WITH DISTINCTION	REGULAR

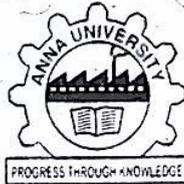
Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	
RVS COLLEGE OF ENGINEERING	ASSISTANT PROFESSOR	2012-08-30	2020-06-25	TEACHING	

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status
20200129_200629104146	SHMP8942881703	29-06-2020	600	SUCCESS

Research Proposal

Machine learning concepts helped the researchers to bridge the gap between human thinking and machines' ability. Deep learning is derived from machine learning to reduce the gap in much faster and smarter way using powerful computing architectures such as multi-core and Graphics Processing Units (GPU). Deep learning architectures basically consist of different layers of computational nodes, each having a goal to learn or extract features. Extracting and processing useful features from high dimensional input space requires clear attention at every layer of the preferred model. Typical design cycle of any deep learning application requires domain knowledge and that includes collecting data, preprocessing, representation learning, training and evaluation phases. It is important to understand that of all steps mentioned, it is the representation learning that makes life easier as it extracts useful information from the hidden units. At the same time, some applications require manifold learning, instead of representation learning, which will uncover different features. Handling high dimensional and multimodal data with basic building operations such as convolution, correlation, gradient descent, pooling require clear insight. Though deep learning is applied widely in other areas, it still requires more to disentangle useful features in multimodal environment. Typical design cycle of any deep learning application requires domain knowledge and that includes collecting data, preprocessing, representation learning, training and evaluation phases. It is important to understand that of all steps mentioned, it is the representation learning that makes life easier as it extracts useful information from the hidden units. In recent years visual processing has gained more attention owing to its application in mobile and hand held devices and people demand for that. Though deep learning is applied widely in other areas, it still requires more to disentangle useful features in multimodal environment. Automatic caption generation on video stream with synchronization is one such research challenge that will require effective hybrid model to address.

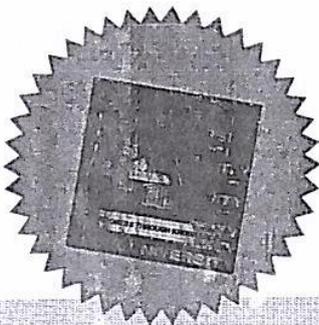
Anna University



Reg.No. 105910534003/RG

The Syndicate of the Anna University hereby makes known that
DEEPA N *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 2012.**

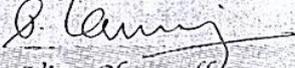
Given under the Seal of the University



Chennai 600 025
India
March 2013
IPSD/014-50151


Controller of Examinations


Registrar


Vice-Chancellor

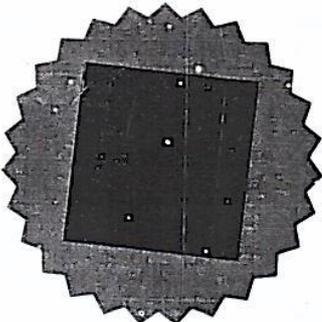
Anna University



Reg. No.81406104016/RG

The Syndicate of the Anna University hereby makes known that
DEEPA N *has been admitted to the* **DEGREE OF BACHELOR 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 *at the Examination held in* **APRIL 2010.**

Given under the Seal of the University



Chennai 600 025
India
December 2010
CUM10433445

V. My...
Controller of Examinations

Sanyal
Registrar

...
Vice-Chancellor



ANNA UNIVERSITY CHENNAI, CHENNAI - 600 025
B.E. DEGREE EXAMINATIONS
CONSOLIDATED STATEMENT OF MARKS

Folio No. BV34727

B11760888091EN

NAME OF THE CANDIDATE		DEEPA N		REGISTER NO.	81406104016	
COLLEGE OF STUDY		814: P.R. Engineering College		MONTH & YEAR OF LAST APPEARANCE		April 2010
PROGRAMME & BRANCH		B.E. Computer Science and Engineering		REGULATIONS		2004
SEM.	SUBJECT CODE	SUBJECT TITLE	SEMI.	SUBJECT CODE	SUBJECT TITLE	MONTH & YEAR OF PASSING
01*	CT1X01	Engineering Chemistry	06	GE1352	Communication Skills Laboratory	APR 2009
01*	EE1X11	Electron Devices and Circuits	07	CS1401	Internet Programming	NOV 2009
01*	EE1X11	Electrical Engineering	07	CS1402	Object Oriented Analysis and Design	NOV 2009
01*	GE1X01	Engineering Graphics	07	IT1252	Digital Signal Processing	NOV 2009
01*	GE1X02	Computer Programming	07	CS1014	Information Security	NOV 2009
01*	HS1X01	Technical English	07	CS1015	User Interface Design	NOV 2009
01*	MA1X01	Engineering Mathematics - I	07	MG1401	Total Quality Management	NOV 2009
01*	PE1X01	Engineering Physics	07	CS1403	Case Tools Lab	NOV 2009
01*	PE1X03	Engineering Physics Laboratory	07	CS1404	Internet Programming Lab	NOV 2009
01*	PC1X01	Engineering Practices Laboratory	08	IT1402	Mobile Computing	NOV 2009
03	CS1151	Data Structures	08	CS1020	Software Quality Management	APR 2010
03	CS1202	Digital Principles and Systems Design	08	IT1012	Grid Computing	APR 2010
03	CS1203	System Software	08	CS1451	Project Work	APR 2010
03	CS1204	Object Oriented Programming				
03	CT1201	Environmental Science and Engineering				
03	MA1201	Mathematics - III				
03	CS1152	Data Structures Lab				
03	CS1206	Digital Lab				
04	CS1201	Design and Analysis of Algorithms				
04	CS1251	Computer Architecture				
04	CS1252	Operating Systems				
04	CS1253	Visual Programming				
04	EC1291	Analog and Digital Communication				
04	MA1252	Probability and Queuing Theory				
04	CS1207	System Software Lab				
04	CS1254	Operating Systems Lab				
04	CS1255	Visual Programming Lab				
05	CS1301	Database Management Systems				
05	CS1302	Computer Networks				
05	CS1303	Theory of Computation				
05	CS1304	Microprocessors and Micro Controllers				
05	MA1256	Discrete Mathematics				
05	MG1351	Principles of Management				
05	CS1305	Network Lab				
05	CS1306	Microprocessors and Micro Controllers Lab				
05	CS1307	DBMS Lab				
06	CS1351	Artificial Intelligence				
06	CS1352	Principles of Compiler Design				
06	CS1353	Software Engineering				
06	CS1354	Graphics and Multimedia				
06	MA1251	Numerical Methods				
06	CS1004	Data Warehousing and Mining				
06	CS1355	Graphics and Multimedia Lab				
06	CS1356	Compiler Design Lab				

* Annual Pattern is followed in the First Year of study and Semester Pattern is followed from Second Year onwards.
 End of Statement
 Classifications : **FIRST CLASS**
 Total Marks (from 3rd to 8th semester) : 3688 / 4900
 Percentage (rounded to nearest integer) : 75



V. P. M.



ANNA UNIVERSITY, CHENNAI - 25
M.E. DEGREE EXAMINATIONS
CONSOLIDATED STATEMENT OF GRADES

D117004666444N

Folio No. MDUA100293

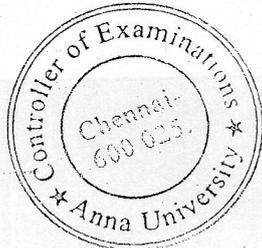


NAME OF THE CANDIDATE	DEEPA N	REGISTER NO.	185910924008
DATE OF BIRTH	23-MAY-89	GENDER	FEMALE
MONTH & YEAR OF LAST APPEARANCE	JUN 2012		
COLLEGE OF STUDY	P.S.N.A. COLLEGE OF ENGINEERING AND TECHNOLOGY	REGULATIONS	2010
PROGRAMME & SPECIALIZATION	M.E. COMPUTER SCIENCE AND ENGINEERING		

S.NO.	COURSE CODE	COURSE TITLE	CREDITS	LETTER GRADE	GRADE POINT	MONTH & YEAR OF PASSING
01	10244CS102	Advanced Data Structures and Algorithms	3	C	7	JAN 2011
01	10244CS103	Network Engineering and management	3	A	9	JAN 2011
01	10244CS104	Advanced Database technologies	3	A	9	JAN 2011
01	10244CS105	Computer Architecture	3	A	9	JAN 2011
01	10277DM101	Discrete Mathematics	3	C	7	JAN 2011
01	10244CSE11	Object Oriented Systems Engineering	3	C	7	JAN 2011
01	10244CS107	Advanced Data Structures and Algorithms Laboratory	2	B	8	JAN 2011
01	10244CS108	Networks and Database laboratory	2	A	9	JAN 2011
02	10244CS201	Advanced distributed Computing	3	B	8	JUN 2011
02	10244CS202	Soft Computing and Simulators	3	A	9	JUN 2011
02	10244CS203	Computer Network Security	3	A	9	JUN 2011
02	10244CS204	Compiler Design	3	B	8	JUN 2011
02	10244CSE23	XML and Web Services	3	B	8	JUN 2011
02	10244CSE32	Software reliability and project management	3	A	9	JUN 2011
02	10244CS207	Compiler Laboratory	2	A	9	JUN 2011
02	10244CS208	Soft Computing & Network	2	S	10	JUN 2011
03	10244CS301	Virtualization and Cloud Computing	3	A	9	NOV 2011
03	10244CSE45	Recent trends in Mobile computing	3	B	8	NOV 2011
03	10244CSE51	Data Warehousing and Data Mining	3	A	9	NOV 2011
03	10244CS304	Project Thesis - Phase I	5	S	10	NOV 2011
04	10244CS401	Project Thesis - Phase II	12	S	10	JUN 2012

*** End of Statement ***

Cumulative Grade Point Average : 8.81
Classification : FIRST CLASS WITH DISTINCTION



Medium of Instruction: ENGLISH

Chennai - 25.

Date: 06/11/2012

SIGNATURE OF THE STUDENT



SIGNATURE OF THE CONTROLLER OF EXAMINATIONS



'Kalvi Thanthai'
Thiru. R.S. Kothandaraman
Founder



PSNA

College of Engineering & Technology

(Approved by AICTE Accredited by National Board of Accreditation, New Delhi
Affiliate to Anna University of Technology, Madurai)

Best Engineering College Award - 2007 by ISTE, New Delhi

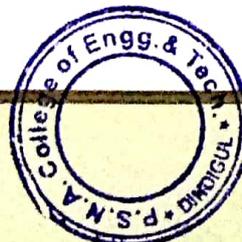


TRANSFER CERTIFICATE

TC No: 446

Roll No.: 10MECS03

1. Name of the student : DEEPA N
2. Date of birth as entered in SSLC Book/Mark Sheet : 23/May/89 TWENTY THIRD MAY NINETEEN EIGHTY NINE
3. Name of the Parent : P. NATRAYAN
4. Sex : FEMALE
5. Nationality : INDIAN
6. Community : BC
7. Religion&Caste : HINDU - SOZHIA VELLALAR
8. Date of Admission : 28/Jun/10
9. Medium of Study : ENGLISH
10. Date of Leaving : 03/Jul/12
11. Class in which the student was studying at the time of leaving : FINAL YEAR M.E. (COMPUTER SCIENCE AND ENGINEERING - 2 YEAR FULL TIME) PROGRAMME
12. Whether qualified for promotion to the higher class : REFER MARK SHEETS
13. Whether the student paid all the dues payable to the College : YES
14. Reason for Leaving : COURSE COMPLETED
15. Whether the student participated in ragging punished for : NO
16. Conduct and Character : *Good*
17. Date on which the application for Transfer Certificate was made : *28.11.2012*



AM
Principal

Kothandaraman Nagar, Dindigul - 624 622, Tamil Nadu, India.
Ph. : (0451) 2554032, 2554262, 2554033 Fax : 0451-2554249
E-mail : contact@psnacet.edu.in Web : www.psnacet.edu.in

PRINCIPAL
P.S.N.A College of Engg & Tech
Dindigul - 624 622
BUILDING THE FUTURE



RVS COLLEGE OF ENGINEERING

R.V.S. NAGAR, KARUR ROAD, DINDIGUL - 624 005

Affiliated to Anna University, Chennai & Approved by AICTE, New Delhi

Phone : 04551 - 227224, website : www.rvseng.ac.in email : rvscet.dgl@rvsgroup.com

Ref.No

RVS/A4/2020

Date:.....
25.06.2020

SERVICE CERTIFICATE

This is to certify that Mrs. N. DEEPA, Assistant Professor in the Department of **Computer Science and Engineering** has been in the services of this College from **10.05.2019** to till date.

Her conduct and character is Good.

This certificate is issued to the Purpose of applying **Ph.D (Part Time) Registration in Kalasalingam University.**




PRINCIPAL

Prof. Dr. C.K. RAVISANKAR
B.Tech., M.B.A., M.Tech., Ph.D.,
PRINCIPAL

R.V.S. College of Engineering
Dindigul - 624 005.

आयकर विभाग

INCOME TAX DEPARTMENT

DEEPA N

NATRAYAN

23/05/1989

Permanent Account Number

BVTPD1497F

N. Deepa

Signature



भारत सरकार

GOVT. OF INDIA





இந்திய அரசாங்கம்

Government of India

தீபா நாட்ராயன்

Deepa Natrayan

தந்தை : பெரியசாமி நாட்ராயன்

Father : PERIYASAMY NATRAYAN

பிறந்தவருடம் / Year of Birth : 1989

பெண்பால் / Female



7569 1874 0488

ஆதார் - சாதாரண மனிதனின் அதிகாரம்



முகவரி:

D/O: நாட்ராயன், 1951, -,
நல்லமனார்கோட்டை,
நல்லமனார்கோட்டை,
திண்டுக்கல்,
நல்லமனார்கோட்டை, தமிழ்
நாடு, 624005

இந்திய தனிப்பட்ட அடையாள ஆணைய அமைப்பு

Unique Identification Authority of India

Address:

D/O: Natrayan, 1951, -,
NALLAMANARKOTTAI,
Nallamanarkottai, Dindigul,
Nallamanarkottai, Tamil Nadu,
624005

7569 1874 0488



1947
1800 300 1947



help@uidai.gov.in

WWW

www.uidai.gov.in

R.Dis..... 60.199 dt.

BC

சான்றிதழ் எண்
Certificate Noமாவட்டக் குறியீடு எண்
District Codeவட்டக் குறியீடு எண்
Taluk Codeகிராமக் குறியீடு எண்
Village Code

1	3	
0	5	
0	4	1

1515039

சாதிச் சான்றிதழ் COMMUNITY CERTIFICATE

தினகரன் மாவட்டம் வேலூர் வட்டம்
 நெல்லைத்தலை நகரம் கிராமம்/நகரம் திரு/திருமதி செல்வி
 செல்வன் திரு. தியா தகப்பனார்/
 கணவர் பெயர் திரு. தியா
 திரு. தியா செல்வி

வகுப்பைச் சார்ந்தவர், அரசு ஆணை எண். 1564, சமூக நலத்துறை நாள்
 30-7-1985 வரிசை எண். 116 என்படி, 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
 a Backward Class as per Government Order (Manuscript series) No. 1564, Social
 Welfare Department, dated 30th July 1985 vide Serial No.

2. திரு. திருமதி/செல்வி/செல்வி திரு. தியா
 என்பவரும் அவருடைய குடும்பத்தினரும் தமிழ்நாட்டில் தினகரன்
 மாவட்டத்தில் வேலூர் வட்டத்தில் நெல்லைத்தலை
 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.

கையொப்பம்
Signatureநாள்
Dateதனி எழுத்துக்களில் பெயர்
Name in Capital Lettersபதவிப் பெயர்
Designation

தலைமை இடத்து முனை
 வட்டாட்சியர், வேலூர்

வய
 9/2/99

ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr./Ms./Mrs. N. DEEPA is employed as ASSISTANT PROFESSOR (Designation) in the COMPUTER SCIENCE AND ENGINEERING (Department/Division Name) of R.V.S 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: 25-06-2020

Signature of the Head of Organization with office seal


Prof. Dr. C.K. RAVISANKAR
B.Tech., M.B.A., M.Tech., Ph.D.,
PRINCIPAL
R.V.S. College of Engineering
Dindigul - 624 005.

