



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

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:30-06-2020

Department	COMPUTER SCIENCE AND ENGINEERING	Application No.	20200178
Area of Research	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Research Mode	PART TIME

Name :MAHESWARI M

Date of Birth / Age :23-06-1985 / 35 Years

Gender :FEMALE

Category :BC

e-Mail ID :mskkaalam@gmail.com

Mobile :9381745691



M. Maheswari

Father's/Husband's Name	VENKATESHWARAN G	Father's/Husband's Occupation	ACCOUNTS OFFICER
Family Income	380000	Residential Type	RURAL
Birth Place	KOVILPATTI	Mother Tongue	TAMIL
Religion	HINDU	Martial Status	MARRIED
Aadhaar No.	493871626608	PAN No.	BPKPM4195C
Physically Challenged	NO	Type of Disability	-
Address for Communication: 8/26,FIRST FLOOR KAVARAI STREET PUDUPAKKAM CHENGALPET DISTRICT TAMILNADU INDIA Pin-603103		Permenant Address: 2/130 MIDDLE STREET MEENAMPATTI VIRUDHUNAGAR DISTRICT TAMILNADU INDIA Pin-626189	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
B.TECH	IMFORMATION TECHNOLOGY	ARULMIGU KALASALINGAM COLLEGE OF ENGINEERING	2006	77	I	REGULAR
M.E	SYSTEM ENGINEERING AND OPERATIONS RESEARCH	COLLEGE OF ENGINEERING GUINDY	2013	84	I	REGULAR

Experience					
Organization	Designation	Experience From	Experience TO	Work Nature	
ANAND INSTITUTE OF HIGHER TECHNOLOGY	ASSISTANT PROFESSOR	2007-07-13	2020-06-30	TEACHING	

Payment Details				
Transaction ID	Reference	Date of transaction	Amount	Status

20200178_200630141947	SINB8947286775	30-06-2020	600	SUCCESS
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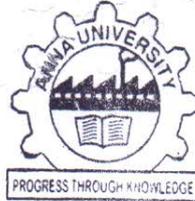
Machine Learning Techniques for Optimizing process Flows in Industry

Artificial Intelligence (AI) and Machine Learning is a cognitive science that enables human to explore many intelligent ways to model our sensing and reasoning processes. A computer system is able to perform tasks that normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages. Machine Learning (ML) can be explained as automating and improving the learning process of computers based on their experiences without being actually programmed i.e. without any human assistance. AI and ML has been used to develop and advance numerous fields and industries, including finance, healthcare, education, transportation, Agriculture and more.

In Existing Industrial AI, The real-world implementation of Manufacturing 4.0 started with enhanced productivity, followed by improved flexibility, quality, and speed. Manufacturing flexibility can be achieved through machine-to-machine and human-machine interactions in order to form a dynamically changing on-demand production system. Quality improvement can be achieved through real-time plant monitoring and just-in-time maintenance. Degradation of manufacturing equipment and tools diminishes product quality and reduces productivity by increasing unplanned downtime. In Existing system used Manufacturing System-wide Balance Random Survival Forest (MBRSF), is a non-parametric machine learning approach provide a long term prognosis of machine breakdowns and which is used to reduce the prediction error at the time of automotive manufacturing without any parameters.

In fact, the survey pointed out a growing interest on applications related to green manufacturing and sustainable development, proving that AI/ML play an important role in increasing sustainability through the intelligent utilization of materials and energy consumption. Furthermore, it emerged that AI/ML algorithms present a wide array of applications that provide an opportunity for sustainable development, including inventory and supply chain management, predictive maintenance, and production. The main use of ML algorithms is to use as a tool for predictive analysis and consequently for data preprocessing, result interpretation, or evaluation in order to improve energy and resource management. It proposes an approach RSM and ANN for automatically preprocessing value series data to improve the quality of the process and products. It means that AI/ML techniques used to provide promising potential for improved quality control optimization in manufacturing systems.

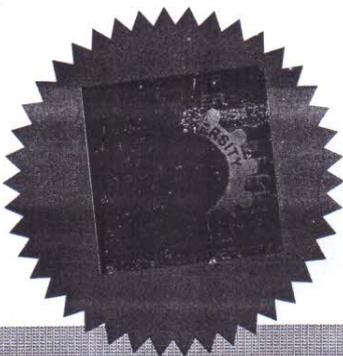
Anna University



Reg.No. 2010289011/RG

The Syndicate of the Anna University hereby makes known that **MAHESWARI M** has been admitted to the **DEGREE OF MASTER OF ENGINEERING in SYSTEMS ENGINEERING AND OPERATIONS RESEARCH** under the Faculty of Information and Communication Engineering, having completed the prescribed programme of study through the **COLLEGE OF ENGINEERING GUINDY CAMPUS** of this University 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 2013**.

Given under the Seal of the University

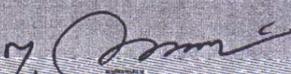


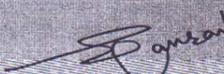
Chennai 600 025

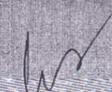
India

November 2013

JPA18900149


Controller of Examinations


Registrar


Vice-Chancellor

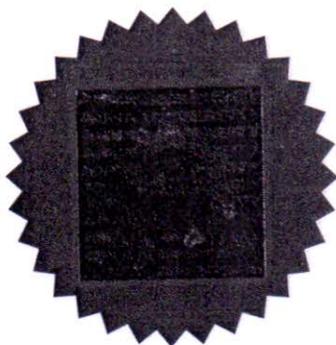


The Syndicate of the Anna University hereby makes known that MAHESWARI M has been admitted to the **DEGREE OF BACHELOR OF TECHNOLOGY** in **INFORMATION TECHNOLOGY** under the Faculty of Information and Communication Engineering having completed the prescribed programme of study and having been certified 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 2006**.

Given under the Seal of the University

ATTESTED


PRINCIPAL
ANAND INSTITUTE OF
HIGHER TECHNOLOGY
 Kalasalingam Nagar,
 Old Mahabalipuram Road,
 Kanchipattur Chennai-603 103



Chennai 600 025
 India

November 2006 *Controller of Examinations*

v. Srinivasan

K. J. Panicker

Registrar

allan...

Vice-Chancellor



CONSOLIDATED STATEMENT OF MARKS

NAME OF THE CANDIDATE		MAHESWARI M				REGISTER NO.		95102203027					
COLLEGE OF STUDY		951: Arulmigu Kalasalingam College of Engineering				MONTH & YEAR OF LAST APPEARANCE		Apr 2006					
PROGRAMME & BRANCH		B.Tech. Information Technology				REGULATIONS		2001					
SEM.	SUBJECT CODE	SUBJECT TITLE	MAX	MIN	MARKS SECURED	MONTH & YEAR OF PASSING	SEM.	SUBJECT CODE	SUBJECT TITLE	MAX	MIN	MARKS SECURED	MONTH & YEAR OF PASSING
01	CMI31	Chemistry I	100	50	053	DEC 2002	05	IF356	Information Coding Techniques	100	50	075	NOV 2004
01	GE131	Engineering Mechanics	100	50	059	DEC 2003	05	IF357	Case Tools Lab	100	50	081	NOV 2004
01	MA131	Mathematics I	100	50	050	DEC 2003	05	IF358	Visual Programming Lab	100	50	092	NOV 2004
01	PH131	Physics I	100	50	067	DEC 2003	06	IF361	TCP/IP and socket Programming	100	50	088	APR 2005
01	HS041	English - I	100	50	050	DEC 2002	06	IF362	Component Based Technology	100	50	075	APR 2005
01	GE132	Computer Practice I	100	50	072	DEC 2002	06	IF363	Embedded Architecture	100	50	083	APR 2005
01	GE133	Workshop Practice	100	50	086	DEC 2002	06	IF364	Multimedia Systems	100	50	074	APR 2005
02	IF141	Electronic Devices and Circuits	100	50	055	APR 2003	06	IF365	Mobile Communication	100	50	066	APR 2005
02	IF142	Program Design and Development	100	50	053	APR 2003	06	IF366	Web Technology	100	50	078	APR 2005
02	IF143	Introduction to IT	100	50	057	APR 2003	06	IF367	Multimedia Lab	100	50	095	APR 2005
02	IF144	Object Oriented Programming	100	50	079	APR 2003	06	IF368	Software Component Lab	100	50	098	APR 2005
02	MA039	Probability and Statistics	100	50	050	APR 2005	07	CE071	Principles of Environmental Science and Engineering	100	50	086	NOV 2005
02	HS042	English II	100	50	057	DEC 2003	07	GE035	Professional Ethics	100	50	080	NOV 2005
02	IF145	C++ and Java Lab	100	50	080	APR 2003	07	IF451	High Performance Networks	100	50	079	NOV 2005
02	IF146	Electronic Devices and Circuits Lab	100	50	071	APR 2003	07	IF452	Network Design Security, and Management	100	50	069	NOV 2005
03	IF242	Digital Systems Design	100	50	063	DEC 2003	07	MG332	Principles of Marketing and Management	100	50	078	NOV 2005
03	IF243	Display Systems Engineering	100	50	076	DEC 2003	07	IF032	Distributed Computing	100	50	084	NOV 2005
03	IF244	Principles of Communication	100	50	077	DEC 2003	07	IF453	Networking Lab	100	50	092	NOV 2005
03	IF245	Computer Architecture	100	50	081	DEC 2003	07	IF454	Software Development Lab	100	50	089	NOV 2005
03	IF246	Data Structures and Algorithms	100	50	067	DEC 2003	07	IF460	Comprehension	100	50	089	NOV 2005
03	MA231	Mathematics - III	100	50	050	DEC 2003	08	GE406	Total Quality Management	100	50	083	APR 2006
03	IF247	System Programming Lab	100	50	086	DEC 2003	08	IF039	Enterprise Resource Planning	100	50	082	APR 2006
03	IF248	Digital System Design Lab	100	50	093	DEC 2003	08	IF455	Project Work	200	100	177	APR 2006
04	IF250	Microprocessor and Microcontroller Applications	100	50	054	APR 2004							
04	IF251	Telecommunication Switching Techniques	100	50	060	APR 2004							
04	IF252	Telecommunication Systems	100	50	053	APR 2004							
04	IF253	Operating Systems	100	50	081	APR 2004							
04	IF254	Database Management System	100	50	064	APR 2004							
04	IF255	Software Engineering	100	50	067	APR 2004							
04	IF256	UNIX and RDBMS Lab	100	50	097	APR 2004							
04	IF257	Telecommunication Engineering Lab	100	50	074	APR 2004							
05	IF351	Digital Signal Processing	100	50	060	NOV 2004							
05	IF352	Computer Networks	100	50	061	NOV 2004							
05	IF353	Visual Programming	100	50	074	NOV 2004							
05	IF354	Object Oriented Analysis and Design	100	50	067	NOV 2004							
05	IF355	Software Quality Management	100	50	085	NOV 2004							

End of Statement

Classification: **FIRST CLASS**

Total Marks (from 3rd to 8th semester): 3483 / 4500

Percentage (rounded to nearest integer): 77



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**ANAND INSTITUTE OF
HIGHER TECHNOLOGY**

Kalasalingam Nagar,
Old Mahabalipuram Road,

Kanchipattur Chennai - 603 106

(Signature)

Medium of Instruction : ENGLISH

Chennai - 600 025.



ANNA UNIVERSITY

CHENNAI - 600 025

GRADE SHEET

COLLEGE OF ENGINEERING, GUINDY CAMPUS
Folio No. 2703570



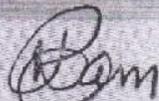
NAME OF THE STUDENT	MAHESWARI M ✓	REGISTER NUMBER	2010289011 ✓
DEGREE / BRANCH	M.E - SYSTEMS ENGG AND OPERATIONS RESEARCH	REGULATION	2009
DEPARTMENT OF STUDY	COMPUTER SCIENCE AND ENGINEERING	MODE	PART TIME

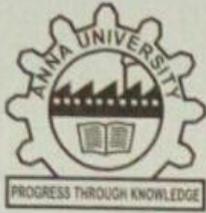
CODE	TITLE	C	G	M/Y	CODE	TITLE	C	G	M/Y
SEMESTER 1					SEMESTER 2				
MA9105	PROBABILITY AND STATISTICAL METHODS	4	B	N10	MA9124	LINEAR MATHEMATICAL PROGRAMMING	3	B	A11
SO9111	OBJECT ORIENTED PROGRAMMING USING C++	4	A	N10	SO9114	JAVA, UML & EXTREME PROGRAMMING	3	A	A11
SO9112	SYSTEMS ENGINEERING METHODOLOGIES	3	A	N10	SO9115	DATA COMMUNICATION AND NETWORKS	3	A	A11
SEMESTER 3					SEMESTER 4				
SO9121	DISCRETE SYSTEMS SIMULATION	3	C	N11	SO9127	ADVANCED OPTIMIZATION TECHNIQUES	3	B	A12
SO9122	NETWORK SECURITY AND MANAGEMENT	3	B	N11	SO9128	RELATIONAL DATABASE MANAGEMENT SYSTEM	4	B	A12
SO9125	SYSTEM SIMULATION LAB - I	2	B	N11	SO9156	DESIGN PATTERNS	3	A	A12
SO9152	SYSTEM ANALYSIS AND DESIGN	3	A	N11	SEMESTER 6				
SEMESTER 5					SO9145	PROJECT WORK (PHASE II)	12	A	A13
SO9131	SOFTWARE PROJECT MANAGEMENT	3	B	N12					
SO9135	PROJECT WORK (PHASE I)	6	C	N12					
SO9155	MOBILE COMPUTING	3	A	N12					
SO9157	APPLIED CRYPTOGRAPHY	3	A	N12					



SEMESTER WISE GRADE POINT AVERAGE									
1	2	3	4	5	6	7	8	9	10
8.64	8.55	8	8.3	8	9				
CREDITS EARNED				70	CGPA				8.4

Date 02-Aug-13 ENGLISH

for  CONTROLLER OF EXAMINATIONS



COLLEGE OF ENGINEERING GUINDY
ANNA UNIVERSITY :: CHENNAI - 600 025.

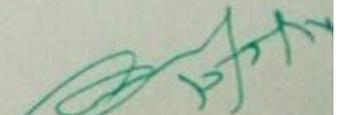
TRANSFER CUM CONDUCT CERTIFICATE

No 0472

Date 15.05.2014

1. Name of the Student : MAHESWARI M
2. Name of the Father : MARIAPPAN R
3. Name of the Mother : MARIAMMAL M
4. Nationality, Religion : INDIAN, HINDU
5. Community and Caste : BC, KAMMALAR
6. Date of Birth (as entered in the University records) : 23.06.1985 (NINETEEN EIGHTY FIVE)
7. Date of admission : AUGUST 2010
8. Degree to which the student was admitted : M.E. SYSTEMS ENGINEERING AND OPERATIONS RESEARCH
9. Duration of Degree : 6 SEMESTERS
10. Semester studied at the time of leaving : 6th SEMESTER
11. Whether completed the Degree : YES
12. Actual date of leaving : APRIL 2013
13. Whether paid all the fees and Cleared the dues to the University : YES
14. Conduct and Character : GOOD




DEAN

College of Engineering Guindy
Anna University, Chennai - 25



ANAND INSTITUTE OF HIGHER TECHNOLOGY

AnISO9001:2008CertifiedInstitutionandAccreditedbyNBA
ApprovedbyAICTE,NewDelhi,Govt.ofTamilNadu&AffiliatedtoAnnaUniversity,Chennai.



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Tel:044-27471330/27471320 Telefax:044-27471310/27471320
E-mail:aiht_anand@yahoo.co.in Website:www.aiht.ac.in

“Ilayavallal”

K. SridharanM.Com., MBA., Ph.D.,
Chairman

Dr. S. ArivalagiM.B.B.S
Secretary

Date: 29.06.2020

EXPERIENCE CERTIFICATE

This is to certify that **Mrs. M. MAHESWARI**, M.E., is working as Assistant Professor in Computer Science and Engineering Department in Anand Institute of Higher Technology, Kalasalingam Nagar, Old Mahabalipuram Road, Kazhipattur 603 103 from **13.07.2007** to till date.




PRINCIPAL
PRINCIPAL
ANAND INSTITUTE OF HIGHER TECHNOLOGY
Kalasalingam Nagar, OMR
Kazhipattur-603 103

आयकर विभाग
INCOME TAX DEPARTMENT
M MAHESWARI
MARIAPPAN
23/06/1985
Permanent Account Number
BBKPM4195C
Signature

भारत सरकार
GOVT. OF INDIA



05122009

M. Maheshwari



सत्यमेव जयते
मातृ सरकार



आधार

இந்திய அரசாங்கம்
Unique Identification Authority of India
Government of India

பதிவு அடையாளம் / Enrollment No.: 2043/30373/01708

To
மகேஸ்வரி மா
Maheswari M
W/O: Venkateshwaran
3/117 RETTAIMALAI MALAI SRINIVASAN STREET
Kazhipattur
Padur
Chengalpattu Kancheepuram
Tamil Nadu 603103
9344378754

09/09/2016
395227397



MA952273976FT



உங்கள் ஆதார் எண் / Your Aadhaar No. :

4938 7162 6608

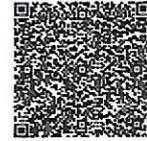
எனது ஆதார், எனது அடையாளம்



இந்திய அரசாங்கம்
Government of India



மகேஸ்வரி மா
Maheswari M
பிறந்த நாள் / DOB : 23/06/1985
பெண்பால் / Female



4938 7162 6608

எனது ஆதார், எனது அடையாளம்

M. M. M.



ANAND INSTITUTE OF HIGHER TECHNOLOGY

AnISO9001:2008 Certified Institution and Accredited by NBA

Approved by AICTE, New Delhi, Govt. of Tamil Nadu & Affiliated to Anna University, Chennai.



Kalasalingam Nagar, Rajiv Gandhi Salai, (Old Mahabalipuram Road), Kazhipattur, Chennai-603103, Tamil Nadu.

Tel: 044-27471330/27471320 Telefax: 044-27471310/27471320

E-mail: aiht_anand@yahoo.co.in Website: www.aiht.ac.in

“Ilayavallal”

K. Sridharan M.Com., MBA., Ph.D.,
Chairman

Dr. S. Arivalagi M.B.B.S
Secretary

ANNEXURE-I

CERTIFICATE FROM THE ORGANIZATION WHERE THE CANDIDATE IS EMPLOYED

Certified that **Mrs. M. MAHESWARI** is employed as **Assistant Professor** (Designation) in the **Department of Computer Science and Engineering** (department/Division Name) of **Anand Institute of Higher Technology** (Institution/Industry Name).

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: 29.06.2020



Signature of the Head of organization with office seal

PRINCIPAL
ANAND INSTITUTE OF HIGHER TECHNOLOGY
Kalasalingam Nagar, OMR
Kazhipattur-603 103

HeadOffice: No.52 (Old No.14), Sriman Srinivasan Road, Alwarpet, Chennai-600018.

Phone: 044-24353053, 24353370, Fax: 044-24331153