

## COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur-631203, Tiruvallur TK & DT
Approved by AICTE New Delhi & Affiliated to Anna University, Chennai
(A Telugu Minority Institution)

## 18ECEVAC01 - MACHINE LEARNING ALGORITHM AND DATA SCIENCE

#### **EVENT REPORT**

Name of the Course: MACHINE LEARNING ALGORITHM AND DATA SCIENCE

Name of the Instructor: 1. Mr. Anand Kumar

2.Mr.V. Rajesh Kumar

Year and Branch: II and ME-VLSI - ELECTRONICS AND COMMUNICATION ENGINEERING

Duration of Course: 32 Hrs (06.08.2018 to 11.08.2018)

#### SUMMARY OF THE EVENT:

The Course was inaugurated on **06.08.2018** at 8.30 am by our respectable Principal and HOD. As per the Course plan session was started and went smooth for the Remaining days. On the last day **11.08.2018** by 3.30 pm the course was Completed Successfully.

During the Six Days of the program Students were participated with enthusiasm and they finally gained a knowledge on "Machine Learning Algorithm and Data Science"

#### ASSESMENT MODE:

No of Students Enrolled: 87

Scheme of Exam: Offline

No of Students appeared: 87

No of Students Passed: 87

(Mr.V. Rajeshkumar)

Date of Exam: 11.08.2019

#### **OUTCOME**:

This course has helped the students to have learning the types of learning, Liners Discriminant, Separability and etc. They were able to create the live applications at the ends of the course learnt.

COORDINATOR

(Mr. Anand Kumar)

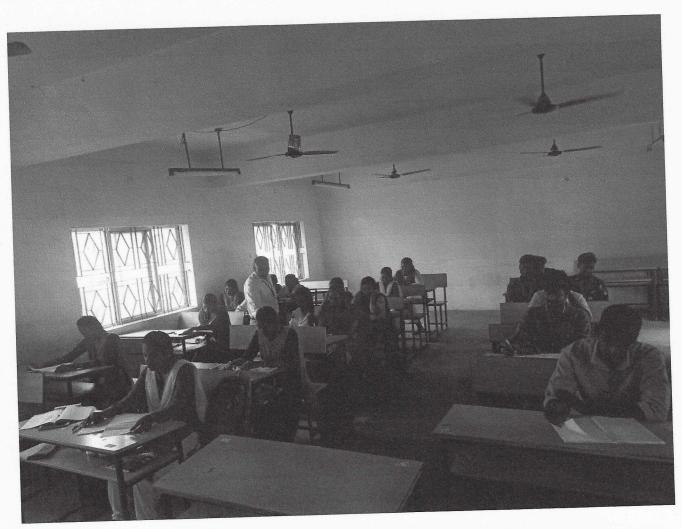
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## 18ECEVAC01 - MACHINE LEARNING ALGORITHM AND DATA SCIENCE



Value Added Course on "Machine Learning Algorithm and Data Science" Handled by Mr. Anand Kumar AP/SVCET and Mr.V. Rajeshkumar AP/SVCET





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#### REQUEST LETTER

From

Mr.V. Rajeshkumar

HOD /ECE

SVCET

Thirupachur.

To,

The Principal

SVCET

Thirupachur.

Permitted

Respected sir,

Sub: Requesting permission to conduct a 6 Days value added course –Reg

As the Head of Electronics and Communication Engineering Department, I would like to request your support and permission to conduct Training Program on "Machine Learning Algorithm and Data Science" in our department. There is a need that has been identified of keeping the students up to date with the new technologies. Most students would not have knowledge on this area which is not our available in our curriculum. So, there is need for a there is need for this program to challenge the It and industries opportunities.

The dates for the Training program have been fixed. The Training will start on 06.08.18 and end on 11.08.18 (32Hrs). Will be handled by the Mr. Anand Kumar AP/ECE and Mr V. RajeshKumar AP/ECE.

I kindly request your assistance in providing Tea and snack for the participants (students).

Please find the attached Invitation, circular to students, and a presentation highlighting the key areas that will be focused in the Training program.

HOD/ECE

(Mr.V. Rajesakumar)

Thanking You

PRINCIPAL

Sri Venkateswara College of Engineering and Technology,

Thirupachur, Thiruvallur - 631 203

PRINCIPAL

(Dr.J. Venkatesh)



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31.07.2018

#### **CIRCULAR**

The department of Electronics and Communication Engineering will be conducting value added course on "Machine Learning Algorithm and Data Science" from 06.08.2018 to 11.08.2018 (32 Hrs). It is proposed to keep the students up to date with the new technologies.

All the students are requested to participate actively, certificate will be provided for the enrolled Participants.

All the interested candidates should enroll their names to Mr. E. Murali, Assistant Professor, Department of Electronics and Communication Engineering on or before 04.08.2018.

HOD/ECE

(Mr.V. Rajeshkumar)

PRINCIPAL

(Dr.J. Venkatesh)

Thirupachur 631 203 A

Sri Venkateswara College of Engineering and Technology

Thirupachur, Thiruvallur - 631 203



THIRUPACHUR - 631203, THIRUVALLUR TK, & DT APPROVED by AICTE, New Delhi and Affiliated to Anna University, Chennai,

# "MACHINE LEARNING ALGORITHM AND DATA SCIENCE"

Date: 06.08.2018 - 11.08.2018

## RESOURCE PERSON

- 1. Mr. Anand Kumar / AP / ECE, SVCET
- 2. Mr.V.Rajeshkumar /AP / ECE, SVCET

Mr. V. Rajeshku HOD / ECE



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Engineering and Technology,
Thirupachur, Thiruvallur - 631 203

Dr.J. Venkatesh PRINCIPAL



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## 18ECEVAC01 - MACHINE LEARNING ALGORITHM AND DATA SCIENCE

## RESOURCE PERSON PROFILE

#### Resource person 1

Name

: Mr. Anand Kumar

Designation Department

: Assistant Professor

Organization

: ECE : SVCET

Phone Number

: 9345958223

Email.ID

: anand\_kr@yahoo.com

Qualification

: MTech -VLSI

Experience

: 10 Years

#### Resource person 2

Name

: Mr V. Rajeshkumar

Designation

: Assistant Professor

Department

: Electronics and communication Engineering

Organization

: SVCET

Phone Number

: 9677204739

Email.ID

: vrajeshmv@gmail.com

Qualification

: ME

Experience

: 9 Years





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# 18ECEVAC01 - MACHINE LEARNING ALGORITHM AND DATA SCIENCE <u>COURSE CONTENT</u>

#### Objective

- 1. To introduce students to the basic concepts and techniques of Machine Learning.
- 2. To have a thorough understanding of the Supervised and Unsupervised learning techniques

#### **Module 1: Introduction**

Learning - Types of Machine Learning - Supervised Learning - The Brain and the Neuron - Design a Learning System - Perspectives and Issues in Machine Learning - Concept Learning Task-Concept Learning as Search-Finding a Maximally Specific Hypothesis - Version Spaces and the Candidate Elimination Algorithm - Linear Discriminants - Linear Separability

#### **Module 2: LINEAR MODELS**

Multi-layer Perceptron - Going Forwards - Going Backwards: Back Propagation Error - Multi-layer Perceptron in. Practice - Deriving Back- Propagation ~ Radial Basis Functions and Splines - Concepts - RBF Network - Curse of Dimensionality - Interpolations and Basis Functions.

#### Module 3: INTRODUCTION TO DATA SCIENCE

The Various Data Science Disciplines- Connecting the Data Science Disciplines- The Benefits of Each Discipline- Popular Data Science Tools- Careers in Data Science-Debunking Common Misconceptions-Field of Data Science.

#### **Outcomes:**

- 1. Distinguish between, supervised, unsupervised and semi-supervised learning
- 2. Apply the appropriate machine learning strategy for any given problem.

COORDINATOR

(Mr. Anand Kumar)

HOD/ECE

(Mr.V. Rajeshkumar)

Sri Venkateswara College of Engineering and Technology,

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# 18ECEVAC01 - MACHINE LEARNING ALGORITHM AND DATA SCIENCE COURSE SCHEDULE\*

Day & Date	Session & Time	6 Days Training Schedule – Machin Speaker Name	Session Topics
Day 1	8.30 am to 10.30am	Mr Anand Kumar, AP/SVCET	Learning Types of Machines Learning Supervised Learning
& 06.08.18	10.45 am to 12.45 pm	Mr V. Rajeshkumar, AP/SVCET	The Brain and the Neuron Design a Learning System
00.00.10	1.30 pm to 3.30pm	Mr Anand Kumar, AP/SVCET	Perspectives and Issues in Machine Learning
-	8.30 am to 10.30am	Mr Anand Kumar, AP/SVCET	Concept Learning Task-Concept Learning as Search
Day 2 &	10.45 am to 12.45 pm	Mr V. Rajeshkumar, AP/SVCET	Finding a Maximally Specific Hypothesis Version Spaces
07.08.18	1.30 pm to 3.30pm	Mr V. Rajeshkumar, AP/SVCET	The candidate elimination algorithm linear discriminants linear separability
Day 3	8.30 am to 10.30am	Mr AnandKumar, AP/SVCET	Multi-layer Perceptron Going Forwards
& 08.08.18	10.45 am to 12.45 pm	Mr V. Rajeshkumar, AP/SVCET	Going Backwards: Back Propagation Error Multi- Layer Perceptron in. Practice
00.00.10	1.30 pm to 3.30pm	Mr V. Rajeshkumar, AP/SVCET	Deriving back- propagation radial basis
Day 4	8.30 am to 10.30am	Mr Anand Kumar, AP/SVCET	Functions and Splines Concepts RBF Network
09.08.18	10.45 am to 12.45 pm	Mr V. Rajeshkumar, AP/SVCET	Curse of Dimensionality Interpolations and Basis Functions
Day5	8.30 am to 10.30am	Mr Anand Kumar, AP/SVCET	The various data science disciplines
10.08.18	10.45 am to 12.45 pm	Mr V. Rajeshkumar, AP/SVCET	Connecting the Data Science Disciplines The
Day6	8.30 am to 10.30am	Mr Anand Kumar, AP/SVCET	Benefits of Each Discipline-
& 11.08.18	10.45 am to 12.45 pm	Mr V. Rajeshkumar, AP/SVCET	Popular Data Science Tools Careers in Data science debunking Common Misconceptions
11.00.10	1.30 pm to 3.30pm	Mr Anand Kumar, AP/SVCET	Field of Data Science. & Test

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COORDINATOR

PRINCIPAL

Sri Venkateswara College of Engineering and Technology, Thirupachur, Thiruvallur - 631 203

HOD/ECE (Mr. V.RajeshKumar)



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#### 18ECEVAC01- MACHINE LEARNING ALGORITHM AND DATA SCIENCE

Course Code	* 18ECEVAC01  MACHINE LEARNING ALGORITHM AND DATA SCIENCE					
Name of the Course						
<b>Duration of the Course</b>	32 HOURS					
Academic Year	2018-19					
Period of the Course	06.08.2018 TO 11.08.2018					

### LIST OF STUDENTS ENROLLED

S.NO	YEAR REGISTER NAMEOF STUDENTS		SIGNATURE	
1	II	112417106001	AISWARYA C	C. Aisuaul
2	II	112417106002	AMALI.C	c. Amali
3	II	112417106003	AMMINENI REVANTH	Annivon D
4	II	112417106004	ASWINI.U	V. Securi
5	II	112417106005	BANUMATHI.R	Parunathi. R
6	II	112417106006	BHAVANI.K	Bushussi
7	II	112417106007	BHAVANI.S	Collan
8	II	112417106008	BHUVANESHWARI.P	Bhowson
9	II	112417106009	CATHRIN K	Ceelvid K
10	II	112417106010	DEVAGIT	T. Doshai
11	II	112417106011	DILLIBABU.B	Dulbakus
12	II	112417106012	DIVYA.M	M. Diniya.
13	II	112417106014	DOMMITHI DINESHKUMAR REDDY	Thomas thi
14	II	112417106015	GEETHA RANI J	Cutter.
15	II	112417106016	GNANAVEL M	Smuel M.
16	II	112417106017	GOKUL ESWARAN.N	N. Lysen.
17	II	112417106018	GOMATHI S	& Comati
18	II	112417106019	GRACEYAS.M	Course M.
19	II	112417106020	HAARTHI I	8. Sharttai
20	II	112417106022	HIDAYATHULLAH.A. R	Leductull R
21	II	112417106023	ILAKKIYA.P	Paustina
22	II	112417106024	JANANI.S	S: Mnoini
23	П	112417106025	KARANAM BHARATH KUMAR REDDY	James
24		112417106026	KIRAN SOFIA B	Ry Kiran.
25	COLLEGA	012417106027	KOWSALYA.R	Rose
26 SY T	hirupach	1/2/17106029	LAKSHMIPRIYA S	PRILADOVO



Thirupachur

Pin: 631 203

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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	SIGNATURE
27	II	112417106030	LAVANYA J	7. Lavany
28	II	112417106031	MADHANRAJ GP	Madhung.
29	II	112417106032	MAGESWARI.T.M	M. Mazura
30	II	112417106033	MALATHI.J	T. Ma Porte
31	П	112417106034	MARIA VICTORIA A	Marin Vils
32	П	112417106035	MOHAMED NAVAZ	ordranedy
33	II	112417106036	MOHAMMED NIYAZ.S	5 Mb humed
34	II	112417106037	MOHANAKRISHNAN.D	Mahanakn
35	II	112417106038	MONISHA D	DManiel
36	II	112417106039	MONISHA.P	Mariel
37	II	112417106040	MUTHULAKSHMI.S	S. W. shulda
38	II	112417106041	NAGENDIRAN.M	M. M.
39	П	112417106042	PAVITHIRA.S	Signaile
40	П	112417106044	PRAJAPATHI S	Pagiapathi
41	II	112417106045	PRASANTHI.B	1011
42	II	112417106046	PRAVEEN KUMAR.R	R progress
43	II	112417106047	PUNITH KUMAR.M	DYP
44	II	112417106048	RAGUPATHI B	Ragupathi
45	II	112417106049	RAKESH.R	R. Rakesh
46	II	112417106050	RAKESH KUMAR.R	B: Raverb
47	II	112417106051	RAMANUJAM.M	D
48	II	112417106052	RAMYA.R	R. Ramys
49	II	112417106053	SADHANA S	3 Sadhana
50	II	112417106054	SANGAMITHIRA A	Sangarnith
51	II	112417106055	SANGEETHA.V	1/0/
52	II	112417106056	SANJAY.C	C. Sangesthe
53	II	112417106058	SANTHOSH KUMAR.S(14.1.00)	C. Sanjay
54	II	112417106059	SARANYA.N	Saganja
55	II	112417106060	SARASWATHI.S	
56	II	112417106061	SARAVANAN.K	Sanaleva
57	II	112417106063	SHARMILA D	D. Sharmil
58	II	112417106064	SINDHYA.D	D. Sinolhyr
59	II	112417106065	SIVA KUMAR K	11 - 1/
60	II	112417106066	SIVENESH.E	E Sixl
61	II		SOWMIYA.Y	Y Soumer
62	II		SREE HARITHA R	2. Sowming
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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	SIGNATURE
64	II	112417106070	SUMATHI.M	M. Swall
65	II	112417106071	SURENDHAR.S	Surondhy
66	II	112417106072	SUSMITHA.R	R. Susul
67	II	112417106073	M.SWATI	Misurati
68	II	112417106074	SWATHI.S	Suotti:
69	II	112417106075	SWETHA A	A. Sustan
70	П	112417106076	TAMILSELVI.R	12 templas
71	II	112417106077	TAMILARASI	V Count
72	II	112417106079	VASUMATHI	Valumett
73	II	112417106080	VEERASEKARAN.G	China
74	II	112417106082	VINITHA	Genitha
75	II	112417106083	YAMINI.K	K. Yanini
76	II	112417106084	YUVRAJ.E	F. M. Wari
77	II	112417106085	YUVARAJ.P	Pilan
78	II	112417106086	YUVARANI	Thuwani
79	II	112417106303	SANTHOSH KUMAR	Catosail
80	II	112417106701	DEEPIKA	Leopike.
81	ME-VLSI	112418419001	ABIRAMI S	S. ABRami
82	ME-VLSI	112418419002	AMARAN V	V
83	ME-VLSI	112418419003	BARANI KUMARI R	R. Baron
84	ME-VLSI	112418419004	NANDHINI O	O. Sport
85	ME-VLSI	112418419005	NISHA PRIYADHARSHINI V	V. Wester
86	ME-VLSI	112418419006	PREETHIMA S	5. Prosthin
87	ME-VLSI	112418419007	SWATHI G	G. Swathi

COORDINATOR

(Mr. Anand Kumar)

Thirupachur 631 203 A HO31 COLLEGE OF HO31 COL

HOD/ECE

(Mr.V. RajeshKumar)



Thirupachur

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#### 18ECEVAC01-MACHINE LEARNING ALGORITHM AND DATA SCIENCE

Course Code	18ECEVAC01
Name of the Course	MACHINE LEARNING ALGORITHM AND DATA SCIENCE
<b>Duration of the Course</b>	32 HOURS
Academic Year	2018-19
Period of the Course	06.08.2018 TO 11.08.2018

#### **ATTENDANCE**

S.NO YEAR		REGISTER	I NAME OF STUDENTS	6.8.18		7.8	7.8.18		8.8.18		9.8.18		10.8.18		.8.18	TOTAL HOURS
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1	II	112417106001	AISWARYA C	Airl	Aish	Aish	Aist	Aish	Aish	Aist	Aish	Ainle	Aish	ABA	Aish	-32
2	II	112417106002	AMALI.C	Amale	And	Avial		paal	Anali	amal	Amel	And	ANDL	Ame	And	32
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5	II	112417106005	BANUMATHI.R .	Barret	Bony	Borses	Bary	Boan	Rossi	Real	Barry	Regu	Bory	Room	Ron	32
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8	II	112417106008	BHUVANESHWARI.P	Bhuaveh	Bhrony	Bhuaint	ehwort	Bhyom	Bhraush	Bhroak	Bhurch	Bulah	Bhuash	Bhush	Bhush	0
9	II	112417106009	CATHRIN K	mylare	8300	Offer	Restu	lathin	Coppenie	Calles	alle	Tree Bas	Cadlori		Color	32
10	II	112417106010	DEVAGI T	Devey	Jerg'	Bevagi	Devago				jevagi	Devoj	Devoy	Deval	Davagar	30
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15	П	112417106016	GNANAVEL M	Briskaring	Theres	granana		LOVE	Granny of	Sterior		SIGEL R. B	browne	Peronel	nonom	32
16	П	112417106017	GOKUL ESWARAN.N	· n 1	BKI				crokendo	4	vokel	500 vo. 10000	noked	200	WOKD	32
17	II	112417106018	GOMATHI S	The State of the S	S.Gen			-	5. GOA		S. Gron					32
18	II	112417106019	GRACEYAS.M	C1940	and	m	Ton	Ou	Gun	Gu	Gun	ans	ann	Á	On	82
19	II	112417106020	HAARTHI I	Harthi	Howite	Hooris	Marik	Houds	Haritta	Harit	Hazett	Hoeut	-Howit	toil	Havit	32
20	II	112417106022	HIDAYATHULLAH.A. R	Yn Dey	Hida	Hagy	Liney	HOOM	Hiaco	Hida						32
21	II	112417106023	ILAKKIYA.P	I lake	I lule		Ilabl	Thale	Ilak	Ilab	Ilake	-	Ilaly	0	Ilah	32
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Thirupachur

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		REGISTER		6.8.18		7.8.13	8	8.8.1	8	9.8.1	8	10.8	.18	11.8.	.18	mom.,
S.NO	YEAR	NUMBER	NAME OF STUDENTS	6 HOI	URS	6 HO	URS	6 HC	OURS	4 H	OURS	4 H(	OURS	6 HC	OURS	HOURS
			KARANAM BHARATH	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	(32)
23	II	112417106025	KUMAR REDDY	Sperit	104	Bay	Kad	Kay	Kooy	Kony	bay	KOW	Kou	Koul	Koul	32
24	II	112417106026	KIRAN SOFIA B	Kirang	Riva	Kran	Kira	SOF	Esfar Sofa	Kism	Sofin	A Co	thisan	King	Roma	- 32
25	II	112417106027	KOWSALYA.R	BNA	(TOW	100		Ru	Bry	Kly	Duy	Ky	Kuy	Und	lay	32
26	II	112417106029	LAKSHMIPRIYA S	Namy	100	Lay	1	/	1	1	N 7	1	0	(	PJ	32
27	II	112417106030	LAVANYA J	Very	Qued	land	One	Our	Per	Day	Leep	Our	Chi	104	1 and	
28	II	112417106031	MADHANRAJ GP	Athens	long	Les	Lear	lou	10	los	lay	-	Oces	100g .	long	32
29	II	112417106032	MAGESWARI.T.M	M.M	1		-	M. W	MAM	M:M	my	Def	herry	Cary	Ley	- 32
30	II	112417106033	MALATHI.J	Lund	Parus	Paul	Juni	Power	Over	1	Que	Q as	7	1	July	32
31	П	112417106034	MARIA VICTORIA A	Muni	Duy	7	w	. 1	Jour	pery	1	any	Jewy	Young	Sarey	32
32	II	112417106035	MOHAMED NAVAZ	Nhad	May			Nou	About	lecy	ley	lee	Sky	lus.	July !	32
33	II	112417106036	MOHAMMED NIYAZ.S	Duy	lives	1	1.	1.	1.	. •	1.	Nay	Nou!	Noy 1	May	-32
34	II	112417106037	MOHANAKRISHNAN.D	10	tue	1	. /	New	. )	Uu 1	lus	My	Dey !	la	Ver aux	32
35	II	112417106038	MONISHA D	Men			WP	-		W)		,	er (		NYD	- 82
36	II	112417106039	MONISHA.P	Men	Muy		Chm	Pony	Monish (	Moro	Monisha	Mon	^	Man	Non	32
37	II	112417106040	MUTHULAKSHMI.S	41	1	My	Xhy	m	Juy )	Ley.	Juy.	Jug.	ly	lu	Juy	.32
38	II	112417106041	NAGENDIRAN.M	Mohn	Mat.	10	la		Mufart	1		10	Muth	Pwh.	Muha	32
39	II	112417106042	PAVITHIRA.S	Thank	011	D)	0.1	Noc	Day.	200	20	New	100	100	100	32
40	II	112417106044	PRAJAPATHI S	C D	QW!	pany 0	pur	John	1 1	duy	Jany 1	Pay	Long	John	John !	32
41	П	112417106045	PRASANTHI.B	SPS	2 3		S-14	SP	2	Dru (	5. 6	0	-0 5	> R 2		22
42	П	112417106046	PRAVEEN KIIMAD D	Plan	0	The C	Day G	of an	7-4	7	ann c	per o	Luy 9	PI	2	32
43	II	112417106047	PUNITH KUMAR.M	Dun	Kan c	Kon to	الم	7	0		bluy f	dy	dy fo	41	bly	32
44	II	112417106048		flow (	ale 4	par c	pu (	100	Colum 4	Am C	Pu V	Run (	de a	2 6	dy	32
45	П	112417106049	RAKESH.R	Jeay !	811	24	27	24	OET 3	34	Jey 8	Sen 2	Jen 5	59 6	Jay	22
46	П	112417106050	DAVESHVIDAADD	) -	500	,	- 10	\ '					larked !	De to	Pared.	32
17	II	112417106050		Robert C	Dan (4)	Buy (	low of	lake 1	Date of	egy (	De R	box 9	Den G	2 9	fren-	32
18	II	112417106051			Sun to	m g	Cm ;	Fint	amin L	gim,	And the second	m	Kamit	my 1	Rum	32
19	II	112417106052	RAMYA.R	My	Ky fa	4 1	24 9	My (	te 1	In 9	Ly 4	206	2 P	ay for	24	32
50			SADHANA S	-	50	7 3	5 3	200	Ex B	7 9	5	En of	2 3	2,5	2	92
1	II	112417106054	SANGAMITHIRA A	and a	Ry	Py S	7 C	24 8	Buy C	my C	dy	my &	3246	201/	94	32
2		112417106055	SANGEETHA.V	T. Say V	Sang Vs	Zig Y	Sul.	Cuga 1	· Sanga 1	Say V	Savg V	Sve	V.Sn V	1.5. 11	1.5 cm =	32
_	II	112417106056		8	9 5	1 2 50	5.5	20	6	80	5/0	50	·S. (	S. (.	&	32
3	II		SANTHOSH KUMAR.S	3 anons	anti	EANT S	inthe So	antook	Santhoc &	an trac	Em tros S	anta S	mitro S	ent S	inter	3-2
4			SARANYA.N	- X.	3	ean de	26	Bu &	Du G	3,	8	2 6	26	2	2	.02
5			SARASWATHI.S	and i	no	an So	m So	est 9	must C	)	input a	That -	Sm S		west	32
5		A STATE OF THE PARTY OF THE PAR	SARAVANAN.K	month -	Sing S	aray G	mi S	aran O	uly 8	1	1 7	110	8 5	Jes	2	32
7	II	11241719600LL	BARMILA D	54/E	F1 4	34 5	F (	en 9	En a	15	1 P	E		2/ 6	ay "	32



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				6.8.18		7.8.13	8	8.8.1	8	9.8.1	8	10.8	.18	11.8	.18	TOTAL
S.NO	YEAR	REGISTER NUMBER	NAME OF STUDENTS	6 HOU	RS	6 HO	URS	6 HO	URS	4 H	OURS	4 H	OURS	б НС	DURS	HOUR
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	(32)
58	II	112417106064	SINDHYA.D	Sna	Son	Sn	18	Sm	San	Sox	Sax	Se	Sas	Se	Sa	-32
59	II	112417106065	SIVA KUMAR K	K. 1	14.6	K6	106	ICA	100	KO	KA	k	Kill	K	KA	32
60	II	112417106066	SIVENESH.E	8	8	8	8	8	8	8	8	2	15	8	hy	32
61	II	112417106067	SOWMIYA.Y	Som	Buy	8	2	0	Ray	Sou	Lay	BI	84	Pay	Say	32
62	II	112417106068	SREE HARITHA R	Sou	Su	Su	Seg	San	Sey	Sa	Sus	Su	Se	Sey	Su	- 32
63	II	112417106069	SUJITHKUMAR	Lugh	Lung	lug	Rend	Rug	Lin	lu	Ru	Que	Duy	Pacy	feel	32
64	II	112417106070	SUMATHI.M	M. 8	M-B	1.0	ng	_	MAR	M.g	Me	MR	MR	MA	MB	32
65	II	112417106071	SURENDHAR.S	Buil	Ru	Ry	Pay	Rey	Roug	Rey	Freey	(Cold	Ferry	Free	fu	. 32
66	II	112417106072	SUSMITHA.R	R. Sin	P.S.	Ricin	De		R. Sur	-	Ristin	Pari	P. Sm	Re	Righ	32
67	II	112417106073	M.SWATI	but	luy	Peru	Dy	bus	Pres	Bu	Beg	Level	Deep	Λ	Q.	32
68	II	112417106074	SWATHI.S	5.00	s.Cl	5.50	5.8	58	Sol	5.8	S.S.	Sol	-508	SOB	5.8	32
69	II	112417106075	SWETHA A	A. Sweet	1	Sweet	1	Perut		Brute	Suty		-	-	A.S.A	32
70	II	112417106076	TAMILSELVI.R	Ton	Tax	Tas	Tan	Ton	Tane	To	Tax	794	Tous	79	Tous	.32
71	II -	112417106077	TAMILARASI	F	Tan	Tan	R	Tons	Trus	1	Tan	D.	T	True	Ten	- 32
72	II	112417106079	VASUMATHI	Vai	Sola	Senie	Lu	La	Volum	Volu	Du	W	Wh	12	Wa	22
73	П	112417106080	VEERASEKARAN.G	Ow G	Qu	01.0	014	94	0,0	Qu	Orga.	Oa.	Och.	Qu	Bac.	00
74	II	112417106082	VINITHA	A. Vinite	A-Vim	Avin	1 -		A-Vimil	AVin	A-Vini		Avi	D.	A.V	32
75	II	112417106083	YAMINI.K	Yus	7530	- fas	Jens	Jans	Herr	Yain	Jan.	an	· Par	Fay	Aus	.32
76	II	112417106084	YUVRAJ.E	Church	Vero	Their	Pleas	Duy	(bug)	luce	1/bel	bre	Var	( Rue	Cle	32
77	II	112417106085	YUVARAJ.P	Va	Ve	y's	1/2	1/2	Ye '	Ye	Ye	YE	Ye	Ye	Ye	- 32
78	II	112417106086	YUVARANI	Cashy	Day	No.	My	M.	Sen	X	Ch	R	Sh	VA.	The	32
79	II	112417106303	SANTHOSH KUMAR	Carlot	ENLA	Ende	Soula	Perus	Souther	Luffer	Parley	Red	AL	Court	San	32
80	II	112417106701	DEEPIKA	neys !	Des	Dox	Do	De	Du	Do	20	Doe	Da	1	Da	- 32
81	ME- VLSI	112418419001	ABIRAMI S	A	Ly	Ag	Age	An	Am	As	AG	As	A	A	AD	- 32
82	ME- VLSI	112418419002	AMARAN V	V. A	V.R	VO	V.B	VA	V.AP	VP	VA	VB	VA	VAR	VAP	32
83	ME- VLSI	112418419003	BARANI KUMARI R	Dir	Riv	Rim	Box	ton	Kin	BES.	Ros		The same	Pair	Réceir	32
84	ME- VLSI	112418419004	NANDHINI O	Pin	Oin	Ona		Sim	que	por		one	Don	av Siv	nu	32
85	ME- VLSI	112418419005	NISHA PRIYADHARSHINI V	Nu	Nes	NE	NE	Na	Ns	Ne	Ne	Na	ns	N	M	32
86	ME- VLSI	112418419006	PREETHIMA S	Sjown	11	Son	Sir	Sour	gin		Birt	Sand	Sin 4	Sim	5	32
87	ME- VLSI	112418419007	SWATHI G	G.R.	C.8	6.8	68	68	6.8	68	68	GS	68	68	608	- 32

COORDINATOR (Mr. Anand Kumar)



HOD/ECE Rajeshkumar)



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## 18ECEVAC01 - MACHINE LEARNING ALGORITHM AND DATA SCIENCE

#### TEST QUESTION

- 1. What will take place as the agent observes its interactions with the world?
  - a) Learning
  - b) Hearing
  - c) Perceiving
  - d) Speech
- 2. Which modifies the performance element so that it makes better decision?
  - a) Performance element
  - b) Changing element
  - c) Learning element
  - d) None of the mentioned
- 3. Which is used to choose among multiple consistent hypotheses?
  - a) Razor
  - b) Ockham razor
  - c) Learning element
  - d) None of the mentioned
- 4. How the decision tree reaches its decision?
  - a) Single test
  - b) Two test
  - c) Sequence of test
  - d) No test
- 5. Which of the factors affect the performance of learner system does not include?
  - a) Representation scheme used
  - b) Training scenario
  - c) Type of feedback
  - d) good data structures
- 6. Different learning methods does not include?
  - a) Memorization
  - b) Analogy
  - c) Deduction
  - d) Introduction
- 7. The shape functions of a two node bar element is:
  - a). Linear
  - b) Quadratic
  - c) Constant
  - d) None of the mentioned
- 8. The tensor product technique constraints surfaces by two curves.
  - a) Adding
  - b) Subtraction
  - c) Multiplying
  - d) Dividing





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- 9. The degree of the B spline with varying knot vectors :
  - a) Increases with knot vectors
  - b) Decreases with knot vectors
  - c) Remains constant
  - d) none of the mentioned
- 10. C " continuity refers to:
  - a) Common tangent
  - b) Common point
  - c) Common curvature
  - d) Common normal
- 11. Which of the following is performed by Data Scientist?
  - a) Define the question
  - b) Create reproducible code
  - c) Challenge results
  - d) All of the mentioned
- 12 Which of the following approach should be used to ask Data Analysis question?
  - a) Find only one solution for particular problem
  - b) Find out the question which is to be answered
  - c) Find out answer from dataset without asking question
  - d) None of the mentioned
- 13. Data that summarize all observations in a category are called
  - a) frequency data.
  - b) summarized
  - c) raw
  - d) none of the mentioned
- 14. Which of the following is an example of raw data?
  - a) original swath files generated from a sonar system
  - b) initial time series file of temperature values
  - c) a real time GPS encoded navigation file
  - d) all of the mentioned
- 15. Which of the following data is put into a formula to produce commonly accepted
  - a) Raw
  - b) Processed
  - c) Synchronized
  - d) All of the Mentioned
- 16. Which of the following is another name for raw data?
  - a) destination data 108/244
  - b) eggy data
  - c) secondary
  - d) machine learning
- 17. Which of the following command help us to give message description?
  - a) git command -m
  - b) git command -d
  - c) git command-n
  - d) none of the mentioned





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- 18. Which of the following is an application of NN (Neural Network)?
  - a) Sales forecasting
  - b) Data validation
  - c) Risk management
  - d) All of the mentioned
- 19. What is the advantage of basis function over mu ti layer feed forward neural networks?
  - a) training of basis function is faster than MLFFNN
  - b) training of basis function is slower than MLFFNN
  - c) storing in basis function is faster than MLFFNN
  - d) none of the mentioned
- 20. Why is the training of basis function is faster than MLFFNN?
  - a) Because they are developed specifically for pattern approximation
  - b) Because they are developed specifically for pattern classification
  - c) Because they are developed specifically for pattern approximation or classification
  - d) None of the mentioned

COORDINATOR (Mr. Anand Kumar)

L HOD/ECE

(Mr.V. Rajeshkumar)





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### 18ECEVAC01 - MACHINE LEARNING ALGORITHM AND DATA SCIENCE FEEDBACK FORM

Student Reg. No. & Name: 112417106073 \$ M. SWati

Sem &Year: 03 \$ 11

Date: 11 08 2018

**Evaluating the following Question** 

1. This course was	interesting	
a) Strongly Agree	b) Agree	

d) Disagree e) Strongly Disagree c) Moderate

2. Was this course useful?

b) Agree a) Strongly Agree

c) Moderate

d) Disagree e) Strongly Disagree

3. During the course did you find any technical Difficulties?

a) Strongly Agree

b) Agree

c) Moderate d) Disagree e) Strongly Disagree

4. did the instructor delivered the information, you didn't know already

a) Strongly Agree

b) Agree

c) Moderate

d) Disagree e) Strongly Disagree

5. The Subject matter was presented effectively

a) Strongly Agree

(b) Agree

c) Moderate

d) Disagree e) Strongly Disagree

6. This instructor helped me learn about how the course works in the real world.

a) Strongly Agree

b) Agree

c) Moderate

d) Disagree e) Strongly Disagree

7. This instructor provided information I can use to be successful in my career.

a) Strongly Agree

b) Agree

c) Moderate

d) Disagree e) Strongly Disagree

8. Overall how do you rate the Training Program?

a Strongly Agree

b) Agree

c) Moderate

d) Disagree e) Strongly Disagree

M. Swatts

Student Signature



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18ECEVAC01 - MACHINE LEARNING ALGORITHM AND DATA SCIENCE

IOLCLITICOI	
Student Reg. No. & Name:	1124 17106012 & Divya. M

Student Reg. No. & Name: 1124 17106012 & DIVYa. M	
Sem& Year: M & II	Date: 11. 08 2018
<ol> <li>What will take place as the agent observes its interactions with the world?</li> <li>a) Learning</li> <li>b) Hearing</li> <li>c) Perceiving</li> <li>d) Speech</li> <li>Which modifies the performance element so that it makes better decision?</li> </ol>	(18)
a) Performance element b) Changing element c) Learning element d) None of the mentioned	
<ul> <li>3. Which is used to choose among multiple consistent hypotheses?</li> <li>a) Razor</li> <li>b) Ockham razor</li> <li>c) Learning element</li> <li>d) None of the mentioned</li> </ul>	
<ul> <li>4. How the decision tree reaches its decision?</li> <li>a) Single test</li> <li>b) Two tests</li> <li>c) Sequence of test</li> <li>d) No test</li> </ul>	•
<ul> <li>5. Which of the factors affect the performance of learner system does not inclu</li> <li>a) Representation scheme used</li> <li>b) Training scenario</li> <li>c) Type of feedback</li> <li>d) Good data structures</li> </ul>	de?
<ul> <li>6. Different learning methods does not include?</li> <li>a) Memorization</li> <li>b) Analogy</li> <li>c) Deduction</li> <li>d) Introduction</li> </ul>	

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- b) Subtraction
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  - d) Dividing





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O. The degree of the B. online with varying knot vectors:		60
9. The degree of the B - spline with varying knot vectors: a) Increases with knot vectors		
b) Decreases with knot vectors		
c) Remains constant		Att.
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b) Common point		
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d) Common normal		40-
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b) Find out the question which is to be answered		
c) Pind out the question which is to be unswered		
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d) none of the mentioned		
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b) initial time - series file of temperature values		
c) a real - time GPS - encoded pavigation file		
a) all of the mentioned		140
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c) secondary		
d) machine learning		
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a) git command -m		
b) git command -d		-
c) git command -message	PRINCIPAL	_
c) git command -message d) none of the mentioned  Thirupachur of in: 631 203	Sri Venkateswara Co	ollege of
	ingineering and Tool	hnolow
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# SRI VENKATESWARA

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## 18ECEVAC01 - MACHINE LEARNING ALGORITHM AND DATA SCIENCE

Course Code	18ECEVAC01		
Course Code Name of the Course	MACHINE LEARNING ALGORITHM AND DATA SCIENCE		
Duration of the Course	32 HOURS		
Academic Year	2018-19		
Period of the Course	06.08.2018 TO 11.08.2018		

### STUDENT EVALUATION SHEET

s.no	YEAR	REGISTER NUMBER	NAME OF STUDENTS	ATTENDANCE	MARK
1	II	112417106001	AISWARYA C	32	80
2	II	112417106002	AMALI.C	32	85
3	II	112417106003	AMMINENI REVANTH	32	90
4	II	112417106004	ASWINI.U	22	90
5	II	112417106005	BANUMATHI.R	32	85.
6	II	112417106006	BHAVANI.K	32	85
7	II	112417106007	BHAVANI.S	22	80
8	II	112417106008	BHUVANESHWARI.P	32	80
9	II	112417106009	CATHRIN K	32	80
10	II	112417106010	DEVAGI T	32	80
11	II	112417106011	DILLIBABU.B	.32	90
12	II	112417106012	DIVYA.M	32	90
13	II	112417106014	DOMMITHI DINESHKUMAR REDDY	32	85
14	II	112417106015	GEETHA RANI J	32	80
15	II	112417106016	GNANAVEL M	32	80
16	II	112417106017	GOKUL ESWARAN.N	32	80
17	II	112417106018	GOMATHI S	32	
18	II	112417106019	GRACEYAS.M	32	80
19	II	112417106020	HAARTHI I	32	80
20	II	112417106022	HIDAYATHULLAH.A. R	32	80
21	II	112417106023	ILAKKIYA.P	32	80
22	. II	112417106024	JANANI.S	32	85
23	II	112417106025	KARANAM BHARATH KUMAR REDDY	32	85
24	IL	DULE 3417106026	KIRAN SOFIA B	32	90
25	ME.	1124 N 06027	KOWSALYA.R	PRINCIPAL	85



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S.NO	YEAR	REGISTER NUMBER	NAME OF STUDENTS	ATTENDANCE	MARI
26	II	112417106029	LAKSHMIPRIYA S	22	90
27	II	112417106030	LAVANYA J •	32	90
28	II	112417106031	MADHANRAJ GP	32	80
29	II	112417106032	MAGESWARI.T.M	32	80
30	II	112417106033	MALATHI.J	32	-80
31	II	112417106034	MARIA VICTORIA A	32	85
32	II	112417106035	MOHAMED NAVAZ	32	85
33	II	112417106036	MOHAMMED NIYAZ.S	32	85
34	П	112417106037	MOHANAKRISHNAN.D	32	85
35	II	112417106038	MONISHA D	32	80
36	II	112417106039	MONISHA.P	32	90
37	II	112417106040	MUTHULAKSHMI.S	32	90
38	П	112417106041	NAGENDIRAN.M	32	95
39	П	112417106042	PAVITHIRA.S	32	95
40	II	112417106044	PRAJAPATHI S	32	95
41	П	112417106045	PRASANTHI.B	32	95
42	П	112417106046	PRAVEEN KUMAR.R	32	95
43	II	112417106047	PUNITH KUMAR.M	32	95
44	II	112417106048	RAGUPATHI B	32	90
45	II	112417106049	RAKESH.R	32	90
46	П	112417106050	RAKESH KUMAR.R	32	90
47	II	112417106051	RAMANUJAM.M	32	90
48	II	112417106052	RAMYA.R	32	90
49	II	112417106053	SADHANA S	32	90
50	II	112417106054	SANGAMITHIRA A	32	80
51	II	112417106055	SANGEETHA.V	32	80
52	II	112417106056	SANJAY.C	32	80
53	II	112417106058	SANTHOSH KUMAR.S	32	80
54	II	112417106059	SARANYA.N	32	85
55	II	112417106060	SARASWATHI.S	32	85
56	II	112417106061	SARAVANAN.K	32	85
57	II	112417106063	SHARMILA D	82	85
58	II	112417106064	SINDHYA.D	32	90
59	II	112417106065	SIVA KUMAR K	32	80
60	- II	112417106066	SIVENESH.E		85
61	II	112417106067	SOWMIYA.Y	32	90
62	II /	LUEZ 17106068	SREE HARITHA R	32	95
63	No.	1124 7,106069	SUJITHKUMAR	PRINCIPAL	80



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S.NO	YEAR	REGISTER NUMBER	NAME OF STUDENTS	ATTENDANCE	MARK
64	II	112417106070	SUMATHI.M	32	90
65	II	112417106071	SURENDHAR.S	32	80
66	II	112417106072	SUSMITHA.R	32	80
67	II	112417106073	M.SWATI	32	80
68	II	112417106074	SWATHI.S	32	90
69	II	112417106075	SWETHA A	32	90
70	II	112417106076	TAMILSELVI.R	32	95
71	II	112417106077	TAMILARASI	32	80
72	II	112417106079	VASUMATHI	32	80
73	II -	112417106080	VEERASEKARAN.G	32	85
74	II	112417106082	VINITHA	32	85
75	II	112417106083	YAMINI.K	32 32	85
76	II	112417106084	YUVRAJ.E	32	95
77	П	112417106085	YUVARAJ.P	32	95
78	II	112417106086	YUVARANI	32	90
79	II	112417106303	SANTHOSH KUMAR	32	90
80	II	112417106701	DEEPIKA	82	90
81	ME-VLSI	112418419001	ABIRAMI S	32	80
82	ME-VLSI	112418419002	AMARAN V	32	80
83	ME-VLSI	112418419003	BARANI KUMARI R	32	85
84	ME-VLSI	112418419004	NANDHINI O	32	90
85	ME-VLSI	112418419005	NISHA PRIYADHARSHINI V	32	90
86	ME-VLSI	112418419006	PREETHIMA S	32	85
87	ME-VLSI	112418419007	SWATHI G	32	80

COORDINATOR (Mr. Anand Kumar) HOD/ECE (Mr.V. Rajeshkumar)

Thirupachur 631 203 A



Thirupachur - 631203, Thiruvallur TK, & DT APPROVED by AICTE, New Delhi and Affiliated to Anna University, Chennai

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING **CERTIFICATE OF PARTICIPATION**

This is to certify that Mr/Ms DIVMA.M(1124-1-7106012-) UG/PG

Department of Electronics and Communication Engineering has successfully completed

Value Added Course titled 'MACHINE LEARNING ALGORITHM AND DATA SCIENCE'

held from 06.08.2018 to 11.08.2018

CO-ORDINATOR

HOD / ECE

Sri Venkateswara College of Engineering and Technology, Thirupachur, Thiruvallur - 631 203



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# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms RAKESH KUMAR R LU24271060.50) UG/PG

Department of Electronics and Communication Engineering has successfully completed

Value Added Course titled 'MACHINE LEARNING ALGORITHM AND DATA SCIENCE'

held from 06.08.2018 to 11.08.2018

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# CERTIFICATE OF PARTICIPATION

This is to certify that Ma/Ms & REE HARTHA RLIVHZ 1060 be) UG/PG

Department of Electronics and Communication Engineering has successfully completed

Value Added Course titled 'MACHINE LEARNING ALGORITHM AND DATA SCIENCE'

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# CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms JUVARAJ. P (112417106085) UG/PG

Department of Electronics and Communication Engineering has successfully completed

Value Added Course titled 'MACHINE LEARNING ALGORITHM AND DATA SCIENCE'

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# CERTIFICATE OF PARTICIPATION CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms SANTHOSH KUMAR (112417.10630.3) UG/PG

Department of Electronics and Communication Engineering has successfully completed

Value Added Course titled 'MACHINE LEARNING ALGORITHM AND DATA SCIENCE'

held from 06.08.2018 to 11.08.2018

**CO-ORDINATOR** 



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# CERTIFICATE OF PARTICIPATION CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms ABIRAMI & (112418419001) UG/PG

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# CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms AMARAN. V. LILZ418419002.) UG/PG

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Value Added Course titled 'MACHINE LEARNING ALGORITHM AND DATA SCIENCE'

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