

COLLEGE OF ENGINEERING AND TECHNOLOGY

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

18ECEVAC02 - "FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS DEVICES"

EVENT REPORT

Name of the Course: "Fuzzy Logic for Controlling the Electronics Devices"

Name of the Instructor: Mr.B. RaviBabu, Asso.Prof, SIET

Year and Branch: III, IV & ME-VLSI - ELECTRONICS AND COMMUNICATION ENGINEERING

Duration of Course: 32 Hrs (18.02.2019 to 23.02.2019)

SUMMARY OF THE EVENT:

The Course was inaugurated on **18.02.2019** at 8.30.00 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 **23.02.2019** 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 Knowledge on "Fuzzy Logic for Controlling the Electronics Devices"

ASSESMENT MODE:

No of Students Enrolled: 88

Scheme of Exam: Offline

No of Students appeared: 88

No of Students Passed: 88

Date of Exam: 23.02.2019

OUTCOME:

This course has helped the students to have Fuzzy tolerance, and how to assign the values. At the end of the course the application of Fuzzy in Artificial Intelligence and Robotics.

COORDINATOR

(Mr. Anand Kumar)

Thirupachur 631 203

HOD/ECE

(Mr.V. Rajeshkumar)

Sri Venkateswara College of

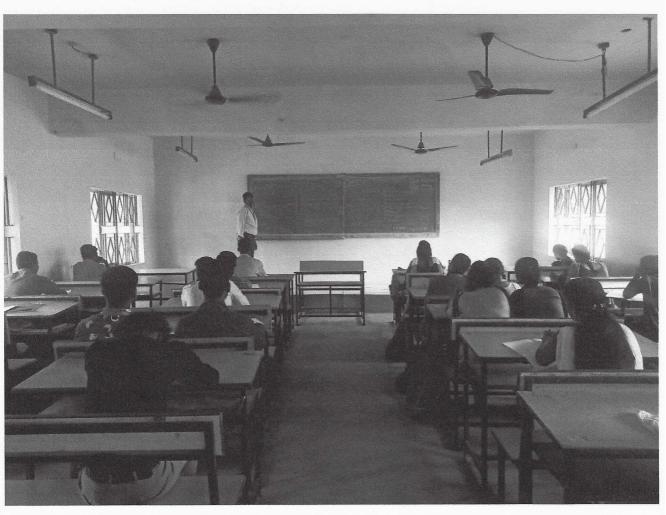
Engineering and Technology, Thirupachur, Thiruvallur - 631 203



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18ECEVAC02 - "FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS DEVICES"



Value Added Course on "Fuzzy Logic for Controlling the Electronics Devices" handled by Mr.B.

RaviBabu, Asso. Prof SIET





COLLEGE OF ENGINEERING AND TECHNOLOGY

permittee

Thirupachur-63 1203, Tiruvallur TK & DT
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REQUEST LETTER

From

Mr.V. Rajeshkumar HOD/ECE SVCET Thirupachur.

To,

The Principal SVCET Thirupachur

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 "Fuzzy Logic for Controlling the Electronics Devices" 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 18.02.18 and end on 23.02.18 (32Hrs). Will be handled by Mr. B. RaviBabu, Associate Professor. 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.

Thanking You

HOD/ECE

(Mr.V. Rajeshkumar)

PRINCIPAL

(Dr.J. Venkatesh)

Thirupachur 631 203



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12.02.2019

CIRCULAR

The department of Electronics and Communication Engineering will be Value added course on "Fuzzy Logic for Controlling the Electronics Devices" from 18.02.2019 to 23.02.2019 (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. Anand Kumar, Assistant Professor, Department on "Fuzzy Logic for Controlling the Electronics Devices" of Electronics and Communication Engineering on or before 15.02.2019

HOD/ECE

(Mr.V. Rajeshkumar)

PRINCIPAL

(Dr.J. Venkatesh)





COLLEGE OF ENGINEERING AND TECHNOLOGY

THIRUPACHUR - 631203, THIRUVALLUR TK , & DT

APPROVED by AICTE, New Delhi and Affiliated to Anna University, Chennai,

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING "FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS DEVICES"

Date: 18.02.2019 - 23.02.2019

RESOURCE PERSON

Mr. V. Rajes

1.Mr.B.RaviBabu, Associate Professor, ECE, Sidhart Institute of Engineering and Technology



PRINCIPAL

Sri Venkateswara College of Engineering and Technology,

Thirupachur, Thiruvallur - 631 203

Dr.J. Venkatesh

HOD / ECE



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18ECEVAC02 - FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS DEVICES

RESOURCE PERSON PROFILE

Name

: Mr. B. RaviBabu

Designation

: Associate Professor

Department

: Electronics and Communication Engineering

Organization

: Sidhart Institute of Engineering and Technology

Phone Number

: 9515708299

Email.ID

: bathalaravibabu@gmail.com

Qualification

: ME

Experience

: 13 Years





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18ECEVAC02 - "FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS DEVICES"

COURSE CONTENT

Objective

- 1. To develop the fundamental concepts such as fuzzy sets, operations and fuzzy relations.
- 2. To learn about the fuzzification of scalar variables and the defuzzification of membership functions

Module 1: Fuzzy relations

Cartesian product - crisp relations- cardinality - operations and properties of crisp relations. Fuzzy relationscardinality - operations - properties of fuzzy relations - fuzzy Cartesian product and composition - Fuzzy tolerance and equivalence relations - value assignments and other format of the composition operation.

Module 2: Fuzzification and Defuzzification

Features of the membership functions - various forms - fuzzification - defuzzification to crisp sets - cuts for fuzzy relations - Defuzzification to scalars -Fuzzy logic and approximate reasoning - Other forms of the implication operation.

Module 3: Fuzzy Systems

Natural language - Linguistic hedges - Fuzzy (Rule based) System - Aggregation of fuzzy rules - Graphical techniques of inference - Membership value assignments - Intuition Inference- rank ordering - Fuzzy Associative memories

Outcomes:

- 1. Understand the basic ideas of fuzzy sets, operations and properties of fuzzy sets and also about fuzzy relations.
- 2. Understand the basic features of membership functions, fuzzification process and defuzzification process.
- 3. Design fuzzy rule-based system.

COORDINATOR

(Mr. Anand Kumar

(Mr.V. Rajeshkumar)



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COURSE SCHEDULE

Day & Date	Session & Time	Speaker Name	Session Topics
	8.30 am to 10.30am	Mr.B. RaviBabu, Asso. Prof SIET	Cartesian product crisp relations cardinality
Day 1 &	10.45 am to 12.45 pm	Mr.B. RaviBabu, Asso. Prof SIET	Operations and properties of crisp relations. Fuzzy relations-cardinality
18.02.2019	1.30 pm to 3.30pm	Mr.B.RaviBabu,Asso.Prof SIET	Operations properties of fuzzy relations fuzzy Cartesian
	8.30 am to 10.30am	Mr.B. RaviBabu, Asso. Prof SIET	Product and composition Fuzzy tolerance
Day 2 &	10.45 am to 12.45 pm	Mr.B.RaviBabu,Asso.Prof SIET	Equivalence relations value assignments and other format of the composition operation
19.02.2019	1.30 pm to 3.30pm	Mr.B.RaviBabu,Asso.Prof SIET	Composition operation continue
	8.30 am to 10.30am	Mr.B.RaviBabu,Asso.Prof SIET	Features of the membership functions
Day 3 &	10.45 am to 12.45 pm	Mr.B.RaviBabu,Asso.Prof SIET	Various forms fuzzification
20.02.2019	1.30 pm to 3.30pm	Mr.B.RaviBabu,Asso.Prof SIET	Defuzzification to crisp Sets
Day 4&	8.30 am to 10.30am	Mr.B.RaviBabu,Asso.Prof SIET	Cuts for fuzzy relations Defuzzification to scalars
21.02.2019	10.45 am to 12.45 pm	Mr.B.RaviBabu,Asso.Prof SIET	Fuzzy logic and approximate Reasoning Other forms of the implication operation.
Day5	8.30 am to 10.30am	Mr.B.RaviBabu,Asso.Prof SIET	Natural language Linguistic hedges Fuzzy (Rule based) System
& 22.02.2019	10.45 am to 12.45 pm	Mr.B.RaviBabu,Asso.Prof SIET	Aggregation of fuzzy rules
	8.30 am to 10.30am	Mr.B.RaviBabu,Asso.Prof SIET	Graphical techniques of inference
Day6	10.45 am to 12.45 pm	Mr.B.RaviBabu,Asso.Prof SIET	Membership value assignments intuition inference
23.02.2019	1.30 pm to 3.30pm	Mr.B.RaviBabu,Asso.Prof SIET	Rank ordering Fuzzy Associative memories & Test

COORDINA

COORDINATOR (Mr. Anand Kumar)

Thirupachur 631 203

HOD/ECE

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Course Code	18ECEVAC02
Name of the Course	FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS DEVICES
Duration of the Course	32 HOURS
Academic Year	2018-19
Period of the Course	18.02.2019 TO 23.02.2019

LIST OF STUDENTS ENROLLED

S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	SIGNATURE
1	III	112416106001	ARAVIND J	J. draving
2	III	112416106002	ARUNODHAYA M	M. Arunn.
3	III	112416106003	ARUNTHATHI G	61.2
4	III	112416106004	BALAJI S	8. Salaji
5	III	112416106005	DEEPAK KUMAR M	M. Doroll.
6	III	112416106006	DILLIRANI M	MODEL
7	III	112416106007	EASWARI M	M. eswazi
8	III	112416106008	GAYATHRI V	V. Gayethi
9	III	112416106009	GEETHA D	D. Gertlu
10	III	112416106010	GOMATHI D	D. (nomath
11	III	112416106011	GREESHMA MOHAN	hickar
12	III	112416106012	JAIGANESH V	Jaiganush.
13	III	112416106014	KALAIVANI S	S. Kalemani
14	III	112416106015	KALAIVARMAN D	D. Coloni
15	III	112416106016	KEERTHIKA G	G. Kurtt ilea.
16	III	112416106018	MOURRIYA HARRISH K	K. Maustruje
17	III	112416106019	NAVEEN KUMAR G	G. Naveen
18	III	112416106021	PRIYA DHARSHINI G	Groriger
19	III	112416106022	RAKESH A	A. Ralish.
20	III	112416106023	RAMYA N	N. Ramya
21	III	112416106024	RAMYA S	S. Ramya.
22	III	112416106025	SANDHIYA P S	P.S. Sandy.
23	III	112416106026	SANDHIYA S	Sdording
24	III	112416106027	SANGAMITHRA V	V. Songer
25	III	112416106029	SATHYA E	E. Bathy
26	Ш	112416106030	SENTHAMIZH SELVI R	R. senthem
27	RASPLLE	112416106033	SHARAN M C	Slavan Mic
28	, III	2416106034	SHATHIRKA R	R. Stothis



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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	SIGNATURE
29	III	112416106035	SHOBANA G	G. Shoking
30	III	112416106036	SHOBANA M	M. Sharen
31	III	112416106037	SRIDHAR S	S. xisiolha
32	III	112416106038	SRINIVASAN M	Missimila
33	III	112416106039	SUMAN M	M. Sumar
34	III	112416106040	SWAPNA R	R. & war
35	III	112416106041	SWATHI S	S. Grathi
36	III	112416106042	VANMATHI M	M. Valhyngthi
37	III	112416106043	VARALAKSHMI A	A Varalakoh
38	III	112416106044	VARSHA A	Varsla D
39	III	112416106045	VELU M	M. Velin
40	III	112416106046	VINODHINI V	V. Kno.
41	III	112416106047	VINOTH KUMAR S	SNI noth Kan
42	III	112416106302	ANUSUYADEVI.K	of brush a de
43	III	112416106304	D.W. EDWIN THILAK RAJ	DH Folin
44	III	112416106305	JAYASURIYA.S	Sigalore
45	III	112416106307	KISHORE. P	Po Kishore
46	III	112416106308	MANIMEGALAI.G	GI. Manual
47	III	112416106310	R. SATHYARAJ	P Setl
48	III	112416106311	SUCHITRA ROY	Serent a Po
49	III	112416106312	SUNITHA.B	R. Sugtes
50	III	112416106313	SUVITHA.B	R. Courte
51	IV	112415106001	ALICE MONCY.W	Miden Mora
52	IV	112415106002	ARAVIND KUMAR.U	Araying Kuma
53	IV	112415106003	BHARATH.S	S. Plarath
54	IV	112415106004	DEEBAN CHAKKARAVARATHI.P	P. Ders
55	IV	112415106005	DIVIYA.M	M. Diviya.
56	IV	112415106006	DIVYA BHARATHI.V	D'oya Bharat
57	IV.	112415106007	ESWARI.R	LESCON'
58	IV	112415106008	FEMILA.A	A. Femila
59	IV	112415106010	GOMATHI.P	D. Gromathi
60	IV	112415106012	IMMANUEL.D	Diane
61	IV	112415106013	ISWARYA.T	7 Pels
62	IV	112415106014	JANAKIRAMAN.M	Tanaki Rama
63	IV	112415106015	KARTHICK.V	V.KJ.
64	IV	112415106016	KARTHIKEYAN.J	f. Karthikey
65	RADULLES	112415106017	KAVILA.G	Cack
66	IV	112415106018	KAVYA.M	Faviua.M



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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	SIGNATURE
67	IV	112415106019	MANISHAMALINI.S	1 Dar hamalin
68	IV	112415106020	NARASIMMAN.P	p. Navous.
69	IV	112415106021	NITHISHA.S	5. Nitur
70	IV	112415106022	PAVITHRA.S	& painting
71	IV	112415106023	PRABU.T	T. Malu.
72	IV	112415106027	RAMYA.S	Francis.
73	IV	112415106028	SALMA.M	M. Salman
74	IV	112415106030	SANTHOSH KUMAR.S	1 Sanahoshkuma
75	IV	112415106032	SONIYA.G	G. Soning
76	IV	112415106034	SRIDEVI.V	V. Saideui
77	IV	112415106035	SUBASRI.R	R. 82m
78	IV	112415106036	SUDHI.M	M. Sughi
79	IV	112415106039	VIGNESH KUMAR.P	12 Jachs
80	IV	112415106301	LOKESH.R	R. Lokesh.
81	IV	112415106302	NANDHA KUMAR.S	C. Mura
82	ME-VLSI	112417419003	AMULRAJ C	C. Smule
83	ME-VLSI	112417419004	DAISY MONIKA M	Deurymondo
84	ME-VLSI	112417419006	HANNAH JASMINE T J	J. Hannu
85	ME-VLSI	112417419008	JAYA KUMAR J A	Jayabumon
86	ME-VLSI	112417419009	JAYANTHIRANI R	D. Layer
87	ME-VLSI	112417419015	PAVITHRA V	V. Paris
88	ME-VLSI	112417419016	SANDHIYA R	R. condhives

245

COORDINATOR

(Mr. Anand Kumar)

HOD/ECE

(Mr.V. Rajeshkumar)

Thirupachus 637 203 CO



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Course Code	• 18ECEVAC02
Name of the Course	FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS DEVICES
Duration of the Course	32 HOURS
Academic Year	2018-19
Period of the Course	18.02.2019 TO 23.02.2019

ATTENDANCE

5.N	YEAR	REGISTER	NAME OF	18.0)2.19	19.	02.19	20	.02.19	21.0	02.19	22.0)2.19	23.0	02.19	TOTAL HOURS
0	ILAK	NUMBER	STUDENTS	6 HC	DURS	6 H	OURS	6 H	OURS	4 H(OURS	4 HC	OURS	5 HC	OURS	(32)
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
1	III	112416106001	ARAVIND J	JVD	J.si	J. A	JAZ	J. As	J. Su	Jedus	J. An	JAn	JAS	JAn	J.AL	32
2	III	112416106002	ARUNODHAYA M	A	A-	Am	Am	1	A.	A.	An	Am	An	An	An	32
3	III	112416106003	ARUNTHATHI G	Gym	Gen (BM	G-W	Grin	an	Gir	Din.	From	Gyon	OA'-	GA	32
4	III	112416106004	BALAJI S	Silen	S. Bred	S. Raly	S. Ban	S. Bay	S.Bay	S. Pau	SiBas	CRU	SIRUS	SARUL	S. Bus	32
5	III	112416106005	DEEPAK KUMAR M	Mon	FOR	ner	MAN	RE	Den	XXX	Pour	200	pin	Mi	DYN	- 32
6	III	112416106006	DILLIRANI M	n	Du	Dane	Deb	0.	0.	Du	0	2	Dun	Di	D	32
7	III	112416106007	EASWARI M	fire	profi	Man	Win	Mh	Non	man	Men	1/E	Jan Circ	Ku	"ar	32
8	III	112416106008	GAYATHRI V	Gayath	Gangte	Gayor	Gagath	Gayot	1 1	Gray outer	Grayofton	Caray with	Cayou	Gazzati	Gayra	32
9	III	112416106009	GEETHA D	- //	- 4 //	D. Orus	Gus	Gus	Ours	Gws	Core	Gn	Gue	Gru	Grz	32
10	III	112416106010	GOMATHI D	P.Ga	Dow	DGw	D. Gun	Dan	Den	D'Con	D.Con	Den	Dron	Da	Da	32
11	III	112416106011	GREESHMA MOHAN	G.	Chr	Gin	Gun	Gun	ans	Gin	Opr	an	in	Gun	SW	32
12	III	112416106012	JAIGANESH V	Farqu	Janux	Janl	Tarrel	Tint	met	Jant ,	Taigh	Tiven	Taign	Liga	Tust	32
13	Ш	112416106014	KALAIVANI S	Pan !	ken	Kan	Ru	Kr.	Rene	kn	Km	Ken	ken	da.	k -	32
14	III	112416106015	KALAIVARMAN D	Kens	ken	Ken	kes	Rend	kan	Kons	kan	Kens	kes	Kan	ker	32
15	III	112416106016	KEERTHIKA G	Keerk	Kent	Keenth	Keest	Keerth	Kentint	Keenth	Kenth		Leatin	Kark	Kenth	32
16	III	112416106018	MOURRIYA HARRISH K	du	M	My	My	M	Mey	Mes	M	Me	M	M	M	32
17	III	112416106019	NAVEEN KUMAR G	3. Naro	per	in	S'IN	Mi	Non	Kur	bur	Nan	Non	Nav	Nav	32
18	III	112416106021	PRIYA DHARSHINI G	Pn	Pa	Pri	Pri	Pi	Pi	Da	Pm	Ph	Ps	Per	Das	32
19	III	112416106022	RAKESH A	Ruse	Rek	Kes_	Res	Ren	Hey	Raw	Ru	Rec	Au	Rin	Rne	32
20	III	112416106023	RAMYA N	wany 1	Nous	MPON	Near	N Pour	Nearjo		News	Niger		Α	Piray.	32
21	III	112416106024	RAMYA S	? Ran	Rank	2er	Rouns	Ru (i Rru	5Rm	S.Ru	5 R-	S.R	Sh.	Sim	32
22	III	112416106025	SANDHIYA P S	Son .	8	Su	B	1/2	R.	8	8	R	12	5	12	32
23	III	112416106026	SANDHIYAS	Eye .	Sand	Ser	Sund	Sa	Sey	See	Sug	Sur.	Sig	Sey	Sugar	32



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5. N O	YEA R	REGISTER NUMBER	NAME OF STUDENTS	6 HC	DURS	6 HC	OURS	6 HC	OURS	4 HO	URS	4 HC	OURS	6 HOU	RS	L HOUR
,				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	S (32)
24	III	112416106027	SANGAMITHRA V	Sn	Sm	82	Su	C	Su	Su	Sus	Su	San	Sne	Sz	32
25	III	112416106029	SATHYA E	Su	Sm	5	2	Sour	Soul	Seets	Cuts	Suth	Sents	Sully	24	32
26	III	112416106030	SENTHAMIZH SELVI R	and	Red	21	DIS	Roll	Ryle	Palo	Ded	Psh	Dele	Poli	Pod.	. 32
27	III	112416106033	SHARAN M C	Sn.	Son	By	In	3	Share	By	8	3	13	- Sz	15	32
28	III	112416106034	SHATHIRKA R	Dlet	DA	Dist	PN	Des	DY	Dia	DAGO	004	Pat	PA	DA	.32
29	III	112416106035	SHOBANA G	She	She	Sh	Sh	She	Shr	Sho	Sho	Sh	Shy	Sho	Sh	32
30	III	112416106036	SHOBANA M	Sne	12	By	Kn	12	Sa	Sa	8	Sa	1/2.	3	82	32
31	III	112416106037	SRIDHAR S	San	Ssi	Si	Si	Shi	Sm	Sin	Sin	Sin	Si	São	Sa-	32
32	III	112416106038	SRINIVASAN M	Sn_	Can	Sac	Su	Su	San	Can	Sam	San	Son	Su	Sa	32
33	III	112416106039	SUMAN M	En	8	Bru	En	Em	Em	En	Sm	Sm	8	Sm	Su	32
34	III	112416106040	SWAPNA R	Ron	En	Posa	Em	Pan	Bor	Bin	Par	Bu	2	2	an	32
35	III	112416106041	SWATHI S	Swathis	Swath	Swath	Swath	Scraft	Swath	Swath	Santi	Swatz	Sant	South	Sun	32
36	III	112416106042	VANMATHI M	Vin	1 ku	Van	Vas	Vane	Van	Van	Vous	Van	Van	Ver	Vec	32
37	III	112416106043	VARALAKSHMI A	Va	Va	Va	lan	Vas	Van	Vas	Vas	Vas	Van	Van	Vac	32
38	III	112416106044	VARSHA A	An	fin	Thin	m	ter	the	Am	4m	A.M	the	Ain	2 min	32
39	III	112416106045	VELU M	Muly	mull	1. well	gruell		Much	or. Usla		muela	much	m uch	-on-ill	32
10	III	112416106046	VINODHINI V	Vinod	of proto	Vinoth	mother	Vinoth	from	(Forething	Lunbia	1 Emply	Acrosm	VERNOTA	NEWSON	32
11	III	112416106047	VINOTH KUMAR S	Virg	Vija	Vis	Vija	Vry	Vè	Vig	Vis	Vè	Viz	Vi	Vs	32
12	III	112416106302	ANUSUYADEVI. K	Su	An	An	Au	de	An	A	de	Sec	Au	Sh	Any	32
13	III	112416106304	D.W.EDWIN THILAK RAJ	Pay	O Try	Tr	Six!	Disk	020	Ro	3	8	300	1	1	-32
14	III	112416106305	JAYASURIYA.S	Tru	Ja	Ju	Ju	Joy	Leye	Jose	Jaz	Jag	Jay	Jas	Jus	32
15	III	112416106307	KISHORE .P	Richo	Kune	Kishol	e Kisha	Kisho	Xishor	Dishop	Kielos	Kight	Kan	sight	Kisha	32
16	III	112416106308	MANIMEGALAI. G	Me	Alex	Me	Me	M	My	M	M	M	M	ME	ne	32
17	III	112416106310	R.SATHYARAJ	Cathy &	Gellyn	Sections	Goffy	Garth	Skittinge	Swhipe	Saty	Gettyga	Satry	Solyp	Satty	32
18	III	112416106311	SUCHITRA ROY	Suff	Sul	Such	Suds	Sud	Such	Such	Sul	Suli		Sull	Sall	32
19	III	112416106312	SUNITHA.B	3	8	82	Sn	Sm	1/2	5	3	8	In	- 12	2	32
50	III	112416106313	SUVITHA.B	Savilha	Swith		Sanh	Same	Ganth	Smign	Sun	Cum	Som	Gond	Sumin	32
51	IV	112415106001	ALICE MONCY.W	Ame	Am	Am	Am	AM	Agn	An	Anny	An	Ans	Am	Any	32
52	IV	112415106002	ARAVIND KUMAR.U	Ax	die	Lis	Si	dy	Any	20	Sto	State	do	A	Ar.	32
53	IV	112415106003	BHARATH.S	Bhit	Phugh	Blinth	Bluth	Penil &	Bhuth	Bhar	Bharth	Bherral	Bhut	Bher	Blund	32
54	IV	112415106004	DEEBAN CHAKK RATURA COLL	(2)	a	Q	Q	Bh	Du	Du	Ann	Dn	Dre	Do	Di	32



COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur-631203, Tiruvallur TK & DT
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S.	***************************************			18.0	2.19	19.	02.19	20.	02.19	21.0	2.19	22.0	2.19	23.0	2.19	TOTA
N.	YEA R	REGISTER NUMBER	NAME OF STUDENTS	6 HC	URS	6 H	OURS	6 HC	OURS	4 HO	URS	4 HC	OURS	5 HC	URS	L HOUR
O	K	NUMBER	STUDENTS	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	S (32)
55	IV	112415106005	DIVIYA.M	10_	an	Do	Dn.	Don	Don	Dm	Den	Da	Dm	Dm	Da	32
56	IV	112415106006	DIVYA BHARATHI.V	Der	Don	Don	Din	-		Din	Din	Din	Dis	Dis	Din	32
57	IV	112415106007	ESWARI.R	P.Ks	R.ES	R.B	Riks	RES	RES	RAM	RIES	P.Es	P.ES	RE	P.ES	32
58	IV	112415106008	FEMILA.A	En	Fm	Fan	Feir	Fois		Feire	Fein	Feire	Foin	Feins	Feirs	.32
59	IV	112415106010	GOMATHI.P	Ge	69	Gu	Gum	Gu	Gu	Gu	62	Gr	Con	Con	Car	32
60	IV	112415106012	IMMANUEL.D		Di	oin	o.ir		o.in	Dir	0.1	Di	Din	Din	sin	32
61	IV	112415106013	ISWARYA.T	7-2	7.02	T. 88	7.0	TO	7.8	T. 19	T-13	T. 03	Ties		7.0	32
62	IV	112415106014	JANAKIRAMAN. M	Tu	Jas	Ja	Jos	万支	五	Jaz	Jos	Jag	Jes	5	Jel	32
63	IV	112415106015	KARTHICK.V	1	V.R	N.K	U.K	vK	-	UK	v.K	U.K	11.K	7,677	v.K	- 32
64	IV	112415106016	KARTHIKEYAN.	ku	ku	ku	ku	ku	ker	ken	An	kn	ku	kn	ka	32
65	IV	112415106017	KAVILA.G	Kin	Kunda	Trans.	Kama	Randa	Karila	Karila	Karila	Kari	Kan	1 Kari	Karila	32
66	IV	112415106018	KAVYA.M	kan	Kan	ken	kan	ken	Kacy	kou	bare	Kon	Gue	kou	Kare	32
67	IV	112415106019	MANISHAMALI NI.S	SH	5.4	s.da	5.21	5-11	S.M	5.14	S.M.	5. 14.	5-14	5.4	S-del	32
68	IV	112415106020	NARASIMMAN.	Ne	(A)	D	Klen	M.	Neu	Du	Du	Nu	Nen	Ne	New	32
69	IV	112415106021	NITHISHA.S	son	s.At	sans		5-44	-	4.00	S. RO.	5. 10	s. et	S. Po.	S.AJ	32
70	IV	112415106022	PAVITHRA.S	5.0	SP	(0)	E. P	S. @	5.6	S.R	s.R	5.00	5.0	5.0	50	32
71	IV	112415106023	PRABU.T	Pro	Pon	Para	Para	Pens	Por	Paris	Pass	Pino	Pare		Pon	32
72	IV	112415106027	RAMYA.S	S.R.	SR	SR	SiR	S.R	-	S.R	5-12	SR	5. B	S.R	5. R	.32
73	IV	112415106028	SALMA.M	13	8	83	8	S	1/2	1/2	Sy	Sa	3	1	1/2	32
74	IV	112415106030	SANTHOSH KUMAR.S	58	5.8	5.5_	S.S	5.8	5.8	5.8	58,	s. &	5.8	\$.8	5-8	32
75	IV	112415106032	SONIYA.G	Sm	Sno	Su	Sam	Cu	Sam	Saise	Sa	Say.	Sorie	Gun	San	32
76	IV	112415106034	SRIDEVI.V	v.Q	VQ	U.B	val-	ud-	v.de	ude	v.de	U.B	ud	u.de	v.d.	32
77	IV	112415106035	SUBASRI.R	Sumin	Such	Subort	100	Surt	Surpa	Suhas	Sabas'	Subst	Gubo	Sum	Such	32
78	IV	112415106036	SUDHI.M	8n	1	Ba	Ku	1/2	6	Son	Son	8	8n	8	8	32
79	IV	112415106039	VIGNESH KUMAR.P	Vignes	Vingn	Vignet	Fignest	Vigna	Vignest	Vignes	Lometh	Viane	Pianes	Ganes	Vigres	32
80	IV	112415106301	LOKESH.R	Las-	100	Low	Lou	100	Lou	Low	Le	Lou	Las	Logo !	10	32
81	IV	112415106302	NANDHA KUMAR.S	Vandy	Nand	Nand	Namella	Nandh	Manch	Nandhi	Neurok	Marile	Neudh	Nuch	Nont	32
32	ME- VLSI	112417419003	AMULRAJ C	Lu	1	4	Sin	8.	An	A	de.	de	Au	Su	An	32
33	ME- VLSI	112417419004	DAISY MONIKA M		M.D.	DH	M.D	M:YE	_	m.D	MAS	M.D	m.D	mit	ME	32
34	ME- VLSI	112417419006	HANNAH JASMINE T J	AL	Pa	Kan		Has	Hay	. 0	Han	Ha	0	Ha	He	32
35	ME- VLSI	112417419008	MYNKUMARJ		1.	ahr	a.1	A Ton	0 \$	a.A.	01.	6.1	1	1.1	2.1	32



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S. N O	YEA	REGISTER NUMBER	NAME OF STUDENTS	18.02.19 6 HOURS		19.02.19 6 HOURS		20.02.19 6 HOURS		21.02.19 4 HOURS		22.02.19 4 HOURS		23.02.19 6 HOURS		L HOUR	
	R			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	S (32)	
86	ME- VLSI	112417419009	JAYANTHIRANI R	Blatt	Pjey	Pyceye	Polyg	Dan	P. Jayer	I fay	Day	Refage	Phys	Rigar	Rayo	_ 32	
87	ME- VLSI	112417419015	PAVITHRA V	R	For	Fm	Pom	Par	Ran	Pan	Pen	Pan	Dan	Pan	Pun	32	
88	ME- VLSI	112417419016	SANDHIYA R	RS	p. &	20	R.D	R &	28	12.0	R.S	12.8	R&	PA	p.d	32	

COORDINATOR

(Mr.Anand Kumar)

HOD/ECE

(Mr.V.Rajeshkumar)...

Thirupachur 631 203 A

Sri Venkateswara College of Engineering and Technology,

Thirupachur, Thiruvallur - 631 203



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18ECEVAC02 - "FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS DEVICES"

TEST QUESTION

- 1. What is the form of Fuzzy logic?
 - a) Two-valued logic
 - b) Crisp set logic
 - c) Many-valued logic
 - d) Binary set logic
- 2. The room temperature is hot. Here the hot (use of linguistic variable is used) can be represented by _
 - a) Fuzzy Set
 - b) Crisp Set
 - c) Fuzzy & Crisp Set
 - d) None of the mentioned
- 3. Fuzzy Set theory defines fuzzy operators. Choose the fuzzy operators from the following.
 - a) AND
 - b) OR
 - c)NOT
 - d) All of the mentioned
- 4. Fuzzy logic is usually represented as _
 - a) IF-THEN-ELSE rules
 - b) IF-THEN rules
 - c) Both IF-THEN-ELSE rules & IF-THEN rules
 - d) None of the mentioned
- 5. is/are the way/s to represent uncertainty.
 - a) Fuzzy Logic -
 - b) Probability
 - c) Entropy
 - d) All of the mentioned
- 6. The less-than relation, <, on a set of real numbers is _
 - a) not a partial ordering because it is not asymmetric and irreflexive equals antisymmetric
 - b) a partial ordering since it is asymmetric and reflexive
 - c) a partial ordering since it is antisymmetric and reflexive
 - d) not a partial ordering because it is not antisymmetric and reflexive
- 7. Power set of empty set has exactly subset.
 - a) One
 - b) Two
 - c) Zero
 - d) Three





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8. Fuzzy logic is

- a) Used to respond to questions in a humanlike way
- b) A new programming language used to program animation
- c) The result of fuzzy thinking
- d) A term that indicates logical values greater than one
- 9. What is the form of Fuzzy logic?
 - a) Two -valued logic
 - b) Crisp set logic
 - c) Many valued logic
 - d) Binary set logic
- 10. The values of the set membership is represented by
 - a) Discrete Set
 - b) Degree of truth
 - c) Probabilities
 - d) Both Degree of truth & Probabilities
- 11. The truth values of traditional set theory is, and that of fuzzy set is
 - a) Either 0 or 1, between 0 & 1
 - b) Between 0 & 1, either 0 or 1
 - c) Between 0 & 1, between 0 & 1
 - d) Either 0 or 1, either 0 or 1
- 12. Heteroassociative memory is also known as?
 - a) unidirectional memory
 - b) bidirectional memory
 - c) multidirectional associative memory 120/244
 - d) temporal associative memory
- 13. Which algorithm is used for solving temporal probabilistic reasoning?
 - a) Hill climbing search
 - b) Hidden Markov model
 - c) Depth first search
 - d) Breadth first search
- 14. What are the possible values of the variable?
 - a) Variables
 - b) Literals
 - c) Discrete variable
 - d) Possible states of the world
- 15. First Order Logic is also known as
 - a) First Order Predicate Calculus
 - b) Quantification Theory
 - c) Lower Order Calculus
 - d) All of the mentioned
- 16. Which is a refutation complete inference procedure for propositional logic?
 - a) Clauses
 - b) Variables
 - c) Propositional resolution
 - d) Proposition





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- 17. Knowledge and reasoning also play a crucial role in dealing with environment.
 - a) Completely Observable
 - b) Partially Observable
 - c) Neither Completely nor Partially Observable
 - d) Only Completely and Partially Observable
- 18. Treatment chosen by doctor for a patient for a disease is based on
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 - b) Current symptoms plus some knowledge from the textbooks
 - c) Current symptoms plus some knowledge from the textbooks plus experience
 - d) All of the mentioned
- 19. Wumpus World is a classic problem, best example of
 - a) Single player Game
 - b) Two player Game 121/244
 - c) Reasoning with Knowledge
 - d) Knowledge based Game
- 20. A _____ is used to demonstrate, on a purely syntactic basis, that one formula is a logical consequence of another formula.
 - a) Deductive Systems
 - b) Inductive Systems
 - c) Reasoning with Knowledge Based Systems
 - d) Search Based Systems

A

COORDINATOR

(Mr. Anand Kumar)

HOD/ECE

(Mr.V. Rajeshkumar)

THIRTY PACHULA COLLEGE OF ENGL

PRINCIPAL Sri Venkateswara College of Engineering and Technology,

Thirupachur, Thiruvallur - 631 203



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18ECEVAC02 - "FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS DEVICES"

	Student Reg. No. & Sem & Year: 8 1	Name: Sandl	hya. R. 112	41719016		1
	sem cerear. App	V	Evaluating t	he following Question	Date: 23 02 2019	
	1. This course was in	nteresting				
	at Strongly Agree	b) Agree	c) Moderate	d) Disagree e) Strongly Disag	gree	46
	2. Was this course us	seful?				
	a) Strongly Agree	b) Agree	c) Moderate	d) Disagree e) Strongly Disag	gree	
	3. During the course	did you find ar	ny technical Di	fficulties?		48
	a) Strongly Agree	b) Agree	c) Moderate	d) Disagree e) Strongly Disag	rree	
	4. did the instructor d	lelivered the in	formation, you	didn't know already		
/	a) Strongly Agree	b) Agree	c) Moderate	d) Disagree e) Strongly Disag	ree	
	5. The Subject matter	was presented	effectively		48	
*	a) Strongly Agree	b) Agree	c) Moderate	d) Disagree e) Strongly Disagr	ree	
Į	6. This instructor help	ed me learn ab	out how the co	ourse works in the real world.		
فا	Strongly Agree	b) Agree	c) Moderate	d) Disagree e) Strongly Disagr	ree	20
,	7. This instructor prov	vided information	on I can use to	be successful in my career.		
			c) Moderate	d) Disagree e) Strongly Disagr	ee	
8	3. Overall how do you	rate the Traini	ng Program?		viii-	
a	Strongly Agree	b) Agree	c) Moderate	d) Disagree e) Strongly Disagre	ee	



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

Student Signature



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18ECEVAC02 - "FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS DEVICES" Student Reg. No. & Name: Pamya. \$ \$ 112416106024 Date: 23/02/2019 Sem & Year: 6 | III 1. What is the form of Fuzzy logic? a) Two-valued logic b) Crisp set logic c) Many-valued logic d) Binary set logic 2. The room temperature is hot. Here the hot (use of linguistic variable is used) can be represented by a) Fuzzy Set b) Crisp Set c) Fuzzy & Crisp Set d) None of the mentioned 3. Fuzzy Set theory defines fuzzy operators. Choose the fuzzy operators from the following. a) AND b) OR c)NOT All of the mentioned 4. Fuzzy logic is usually represented as _ a) IF, THEN-ELSE rules b) IF-THEN rules c) Both IF-THEN-ELSE rules & IF-THEN rules d) None of the mentioned 5. is/are the way/s to represent uncertainty. a) Fuzzy Logic b) Probability c) Entropy All of the mentioned 6. The less-than relation, <, on a set of real numbers is _ a) not a partial ordering because it is not asymmetric and irreflexive equals antisymmetric b) a partial ordering since it is asymmetric and reflexive c) a partial ordering since it is antisymmetric and reflexive d) not a partial ordering because it is not antisymmetric and reflexive 7. Power set of empty set has exactly subset. PRINCIPAL Sri Venkateswara College of a) One b) Two Engineering and Technology, c) Zero Thirupachur, Thiruvallur - 631 203 d) Three



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8.	Fuzzy	logic	is
		0//	

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 - b) Literals
 - c) Discrete variable
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 - b) Variables
 - c) Propositional resolution
 - d) Proposition



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 - d) Knowledge based Game
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 - a Deductive Systems
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 - c) Reasoning with Knowledge Based Systems
 - d) Search Based Systems

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18ECEVAC02 - "FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS DEVICES"

Course Code	* 18ECEVAC02 FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS DEVICES		
Name of the Course			
Duration of the Course	32 HOURS		
Academic Year	2018-19		
Period of the Course	18.02.2019 to 23.02.2019		

STUDENT EVALUATION SHEET

S.NO	YEAR	REGISTER NUMBER	NAME OF STUDENTS	ATTENDANCE	MARK
1	III	112416106001	ARAVIND J	32	90
2	III	112416106002	ARUNODHAYA M	32	90
3	III	112416106003	ARUNTHATHI G	32	95
4	III	112416106004	BALAJI S	32	85
5	III	112416106005	DEEPAK KUMAR M	32	85
6	III	112416106006	DILLIRANI M	22	85
7	III	112416106007	EASWARI M	32	85
8	III	112416106008	GAYATHRI V	32	90
9	III	112416106009	GEETHA D	32	90
10	III	112416106010	GOMATHI D	32	95
11	III	112416106011	GREESHMA MOHAN	32	80
12	III	112416106012	JAIGANESH V	32	80
13	III	112416106014	KALAIVANI S	32	80
14	III	112416106015	KALAIVARMAN D	32	
15	III	112416106016	KEERTHIKA G	32	85
16	III	112416106018	MOURRIYA HARRISH K	32	85
17	III	112416106019	NAVEEN KUMAR G	32	90
18	III	112416106021	PRIYA DHARSHINI G	32	90
19	III .	112416106022	RAKESH A	.32	85
20	III	112416106023	RAMYA N	32	85
21	III	112416106024	RAMYA S	32	95
22	III	112416106025	SANDHIYA P S	32	85
23 =	III -	112416106026	SANDHIYA S	32	00
24	III	112416106027	SANGAMITHRA V	32	at
25	LARA C	0112116106029	SATHYA E	32	ac
26	Thiru	11200106030	SENTHAMIZH SELVI R	32	801



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S.NO	YEAR	REGISTER NUMBER	NAME OF STUDENTS	ATTENDANCE	MARK
27	III	112416106033	SHARAN M C	32	90
28	III	112416106034	SHATHIRKA R	32	90
29	III	112416106035	SHOBANA G	32	85
30	III	112416106036	SHOBANA M	32	85
31	III	112416106037	SRIDHAR S	32	85
32	III	112416106038	SRINIVASAN M	32	85
33	III	112416106039	SUMAN M	32	90
34	III	112416106040	SWAPNA R	, 32	90
35	III	112416106041	SWATHI S	32	95
36	III	112416106042	VANMATHI M	32	80
37	III	112416106043	VARALAKSHMI A	32	80
38	III	112416106044	VARSHA A	32	80
39	III	112416106045	VELU M	32	85
40	III	112416106046	VINODHINI V	32	.85
41	III	112416106047	VINOTH KUMAR S	32	80
42	III	112416106302	ANUSUYADEVI.K	32	80
43	III	112416106304	D.W.EDWIN THILAK RAJ	32	80
44	III	112416106305	JAYASURIYA.S	32	85
45	III	112416106307	KISHORE .P	32	85
46	III	112416106308	MANIMEGALAI.G	32	85
47	III	112416106310	R.SATHYARAJ	32	85
48	III	112416106311	SUCHITRA ROY	32	85
49	III	112416106312	SUNITHA.B	32	90
50	III	112416106313	SUVITHA.B	32	85
51	IV	112415106001	ALICE MONCY.W	32	80
52	IV	112415106002	ARAVIND KUMAR.U	32	95
53	IV	112415106003	BHARATH.S	32	90
54	IV	112415106004	DEEBAN CHAKKARAVARATHI.P	32	95
55	IV ·	112415106005	DIVIYA.M	32	90
56	IV	112415106006	DIVYA BHARATHI.V	32	95
57	IV	112415106007	ESWARI.R	32	90
58	IV	112415106008	FEMILA.A	32	80
59	IV	112415106010	GOMATHI.P	32	80
60	IV	112415106012	IMMANUEL.D	32	00
61	WEN COL	663415106013	ISWARYA.T	32	8



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s.NO	YEAR	REGISTER NUMBER	NAME OF STUDENTS	ATTENDANCE	MARK
62	IV	112415106014	JANAKIRAMAN.M	32	85
63	IV	112415106015	KARTHICK.V	32	85
64	IV	112415106016	KARTHIKEYAN.J	32	80
65	IV	112415106017	KAVILA.G	32	80
66	IV	112415106018	KAVYA.M	32	85
67	IV	112415106019	MANISHAMALINI.S	32	85
68	IV	112415106020	NARASIMMAN.P	32	90
69	IV	112415106021	NITHISHA.S	32	90
70	IV	112415106022	PAVITHRA.S	32	95
71	IV	112415106023	PRABU.T	32	80
72	IV	112415106027	RAMYA.S	32	80
73	IV	112415106028	SALMA.M	32	80
74	IV	112415106030	SANTHOSH KUMAR.S	32	85
75	IV	112415106032	SONIYA.G	32	85
76	IV	112415106034	SRIDEVI.V	32	85
77	IV	112415106035	SUBASRI.R	32	80
78	IV	112415106036	SUDHI.M	32	80
79	IV	112415106039	VIGNESH KUMAR.P	32	85
80	IV	112415106301	LOKESH.R	32	85
81	IV	112415106302	NANDHA KUMAR.S	32	80
82	ME-VLSI	112417419003	AMULRAJ C	32.	20
83	ME-VLSI	112417419004	DAISY MONIKA M	32	80
84	ME-VLSI	112417419006	HANNAH JASMINE T J	32	80
85	ME-VLSI	112417419008	JAYA KUMAR J A	32	90
86	ME-VLSI	112417419009	JAYANTHIRANI R	32	95
87	ME-VLSI	112417419015	PAVITHRA V	32	90
88	ME-VLSI	112417419016	SANDHIYA R	32	80

A

COORDINATOR
(Mr.Anand Kumar)



HOD/ECE

(Mr.V.Rajeshkumar).



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms SUBASRI. R. (1124-15-10-60-35) UG/PG

Department of Electronics and Communication Engineering has successfully completed

Value Added Course titled 'FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS

DEVICES' held from 18.02.2019 to 23.02.2019

CO-ORDINATOR

HOD/ECE

PRINCIPAL
Sri Venkateswara College of Engineering and Technology, Thirup Sat 203



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 JANAKIRAMAN. M.(1.1.2445.1.060.144). UG/PG

Department of Electronics and Communication Engineering has successfully completed

Value Added Course titled 'FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS

DEVICES' held from 18.02.2019 to 23.02.2019

A

CO-ORDINATOR



HOD/ECE

PRINCIPAL
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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms NARASIMMAN. P(1124.15106020) UG/PG

Department of Electronics and Communication Engineering has successfully completed

Value Added Course titled 'FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS

DEVICES' held from 18.02.2019 to 23.02.2019

Ao

CO-ORDINATOR



HOD/ECE

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



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This is to certify that Mr/Ms PAYZTHRA. V. (11241741.9015) UG/PG

Department of Electronics and Communication Engineering has successfully completed

Value Added Course titled 'FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS

DEVICES' held from 18.02.2019 to 23.02.2019

CO-ORDINATOR



HOD/ECE

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



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This is to certify that Mr/Ms AMULRAJ. C. LIIZH 1741. 9003). UG/PG

Department of Electronics and Communication Engineering has successfully completed

Value Added Course titled 'FUZZY LOGIC FOR CONTROLLING THE ELECTRONICS

DEVICES' held from 18.02.2019 to 23.02.2019

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HOD/ECE

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



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CERTIFICATE OF PARTICIPATION CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms BHARATH'S (1124.151.06.003) UG/PG

Department of Electronics and Communication Engineering has successfully completed

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DEVICES' held from 18.02.2019 to 23.02.2019

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HOD/ECE

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



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This is to certify that Mr/Ms RAMYA. \$ (112416106024) UG/PG

Department of Electronics and Communication Engineering has successfully completed

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HOD/ECE

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