



Indra Ganesan

COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'B+' Grade, 2(f) & 12B Status Institution by UGC

IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION – 1

CURRICULAR ASPECTS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

INDRA GANESAN COLLEGE OF ENGINEERING





DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2022-2023/ ODD SEMESTER

1.2 Academic Flexibility (30)

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs,SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

AND

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

VAC Title:	Speech Recognition Technology in Natural Network				
Resource Person:	Mr.A.R.Sooriyaoli, Managing Director Novi Tech R&D Pvt.Ltd				
Date of conduct from:	19.12.2022	To:	23.12.2022	Duration:	30 Hours
Organized Department:	INFORMATION TECHNOLOGY				
Participant Year:	IT IV,III,II	Semester:	ODD	No. of Students Registered:	90
Venue:	IT Seminar Hall				

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Department of Information Technology

Academic Year 2022-2023 –ODD Semester

16.12.2022

DEPARTMENT CIRCULAR

Department of Information Technology and IQAC of IGCE in association with **Novi Tech R&D, Pvt. Ltd** is going to organize Value Added Course for all Second, Third and Final year students on “**Speech Recognition Technology in Natural Network**” from 19.12.2022 to 23.12.2022 Certificates will be issued to the eligible participants at the end of the Course. This training is to be provided in our campus.

Resource Person Detail	1.Mr. A. R. Sooriyaoli, Managing Director, Novi Tech R&D Pvt.Ltd 2.Mr.R.Rajesh, Project Manager Novi Tech R&D Pvt.Ltd
Venue	IT Seminar Hall, IGCE


HOD/IT


PRINCIPAL

Cc:

- Principal office
- IQAC Co-Ordinator
- Class In charges - II, III & IV-Year
- II, III & IV-Year IT Students
- Office File
- Notice Board


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



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Value Added Course


“Speech Recognition Technology in Natural Network”

SYLLABUS

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	Introduction to Speech Recognition	3	19.12.2022
2	Language Modeling: Grammar-based LM	3	19.12.2022
3	Transducers for lexicon and rules, Tokenization	3	20.12.2022
4	Requirements for representation, First-Order Logic, Description Logics	3	20.12.2022
5	Relations between Senses, Thematic Roles	3	21.12.2022
6	Speech Fundamentals: Articulatory Phonetics	3	21.12.2022
7	Production And Classification Of Speech Sounds; Acoustic Phonetics	3	22.12.2022
8	Features, Feature Extraction And Pattern Comparison Techniques	3	22.12.2022
9	Weighted Cepstral Distances And Filtering	3	23.12.2022
10	Hidden Markov Models: Markov Processes	2	23.12.2022
11	Exam	1	23.12.2022
Total Hours (Excluding Exam)		30	-


VAC Coordinator


HOD/IT


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Value Added Course

Dr. G. Balakrishnan, M.E., Ph.D., Speech Recognition Technology in Natural Network

Principal

STUDENTS PARTICIPATION LIST

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH
1	811219205001	Akash V	IV/IT
2	811219205002	Akilandeswari J	IV/IT
3	811219205003	Aravindhan R	IV/IT
4	811219205004	Chitra Bharathy M	IV/IT
5	811219205005	Jeevitha M	IV/IT
6	811219205006	Kaviya K	IV/IT
7	811219205008	Libia Pojathsiyu C	IV/IT
8	811219205009	Mageshwaran M	IV/IT
9	811219205011	Ranjith M	IV/IT
10	811219205012	Ranjith kumar A	IV/IT
11	811219205013	Shareen Banu M R	IV/IT
12	811219205014	Shobana K	IV/IT
13	811219205015	Sivaranjani P	IV/IT
14	811219205016	Sowmiya P	IV/IT
15	811219205017	Surya A	IV/IT
16	811219205018	Swetha S	IV/IT
17	811219205019	Tamil selvi T	IV/IT
18	811219205020	Vijaya kumar M	IV/IT
19	811219205021	Visalini P	IV/IT
20	811219205501	Karthick A	IV/IT
21	811220205002	Aiswariya V	III/IT
22	811220205004	Anbazhagan S	III/IT
23	811220205005	Balamohan R	III/IT
24	811220205006	Benny A	III/IT
25	811220205007	Boomika P	III/IT
26	811220205008	Charulatha B	III/IT
27	811220205009	Chlranjevi V	III/IT
28	811220205011	Dinesh M	III/IT
29	811220205012	Gowtham B	III/IT
30	811220205014	Hariharan S	III/IT
31	811220205015	Hemalatha G	III/IT



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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH
32	811220205016	Jeeva M	III/IT
33	811220205018	Keerthana S	III/IT
34	811220205019	Kirubhashree D	III/IT
35	811220205020	Krishnan N	III/IT
36	811220205021	Magesh G	III/IT
37	811220205022	Mahasuvetha M	III/IT
38	811220205023	Manikandan M	III/IT
39	811220205024	Meenatchi A	III/IT
40	811220205025	Mohanapriya K	III/IT
41	811220205026	Monisha A	III/IT
42	811220205027	Murugesan K	III/IT
43	811220205029	Pragathi R	III/IT
44	811220205030	Priyanga K	III/IT
45	811220205032	Rajeswari S	III/IT
46	811220205035	Rasika A	III/IT
47	811220205036	Ravikumar M	III/IT
48	811220205037	Sabinath K	III/IT
49	811220205039	Sharmi A	III/IT
50	811220205040	Sheik Abdulla H	III/IT
51	811220205042	Soundarya V	III/IT
52	811220205043	Sriram C	III/IT
53	811220205044	Suganya G	III/IT
54	811220205045	Sushmeetha A	III/IT
55	811220205046	Thanasekaran S	III/IT
56	811220205047	Thasneem Begam Y	III/IT
57	811220205048	Thirumeni V	III/IT
58	811220205050	Yasika A	III/IT
59	811220205301	Dhanalakshmi V	III/IT
60	811220205302	Irfana Fathima J	III/IT
61	811220205303	Valbhavilaxmi L	III/IT
62	811220205304	Vengatesan M	III/IT
63	811221205001	Angel Ebsiba.A	III/IT
64	811221205003	Asarudheen.K	III/IT
65	811221205004	Barakkath Nisha.S	III/IT
66	811221205005	Brundha.P	III/IT
67	811221205009	Dinesh.M	III/IT
68	811221205010	Gnanasamuel.A	III/IT
69	811221205013	Jai Surya.K	III/IT
70	811221205014	Jenani.R	III/IT
71	811221205015	Kannan.M	III/IT

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH
72	811221205016	Karthik Raja.M	II/IT
73	811221205017	Kavin.J	II/IT
74	811221205018	Kayathri.S	II/IT
75	811221205019	Kishore.M	II/IT
76	811221205020	Lalitha.K	II/IT
77	811221205021	Madhan.S	II/IT
78	811221205022	Manikandana.M	II/IT
79	811221205023	Mohamed Anas.J	II/IT
80	811221205024	Mohamed Aslam.S	II/IT
81	811221205025	Monika Sri.B	II/IT
82	811221205029	Prasanna.M	II/IT
83	811221205032	Santhosh Kumar.P	II/IT
84	811221205033	Sathish Kannan.S	II/IT
85	811221205034	Sebasthiyan.S	II/IT
86	811221205035	Stephen.S	II/IT
87	811221205036	Subhashini.M	II/IT
88	811221205037	Subasri.M	II/IT
89	811221205038	Sujhin.R	II/IT
90	811221205039	Sumitha.A	II/IT


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VAC Coordinator


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REPORT ON VALUE ADDED COURSE

Title: **"Speech Recognition Technology in Natural Network"**

Resource Person: **Mr. A. Sooriyaoli,
Managing Director
Novi Tech R&D
Pvt.Ltd**

**Mr.R.Rajesh,
Project Manager,
Novi Tech R&D
Pvt.Ltd**

Date of conduct from : 19.12.2022 To: 23.12.2022 Duration: **30 Hours**

Organized Department : **Information Technology**

Participant Year: **2,3,4**

No. of Students Registered : **90**

Venue: **IT Seminar Hall**

Outcome of Value Added Course (VAC): **At the end of the Course, Students can be able to**

- By variety of ways to represent human languages as computational systems.
- Representations to write programs that do useful things with text and speech data, like translation, summarization, extracting information.
- Build by software engineering perspective, there will be an emphasis on rapid prototyping, a useful skill in many other areas of Computer Science.
- Prerequisite: Strong programming abilities in Python and a knowledge of data structures and algorithms.
- All reports will be documented and deliberated to determine if there should be any following actions.

Assessment Process

- **Students, who are securing more than 70% on total score and secured more than 75% inattendance is eligible to receive the certificate for the VAC course conducted**
- **Total Score = (0.5 * Attendance in VAC out of 100 percentage + 0.5 * Test mark in VAC out of 100 marks)**

VAC Coordinator

HoD/IT

Principal



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SAMPLE PHOTOS OF VALUE ADDED COURSE

Title: "Speech Recognition Technology in Natural Network"

Resource Person: Mr. A. Sooriyaoli,
Managing Director
Novi Tech R&D
Pvt.Ltd

Mr.R.Rajesh,
Project Manager,
Novi Tech R&D
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Date of conduct from : 19.12.2022 To: 23.12.2022 Duration: 30 Hours

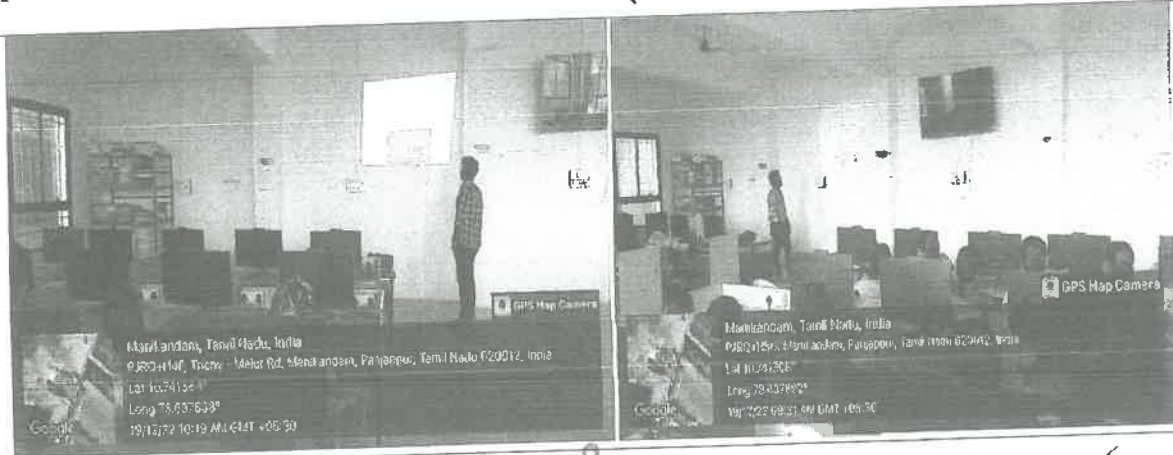
Organized Department : Information Technology

Participant Year: 2,3,4

No. of Students Registered : 90

Venue: IT Seminar Hall

Sample Photos:




VAC Coordinator


HoD/IT


Principal

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Department of Information Technology

Academic Year 2022-2023 –Odd Semester

STUDENTS ATTENDANCE LIST

Value Added Course

“Speech Recognition Technology in Natural Network”


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S.N O	REG NO	STUDENTS NAME	YEAR/ BRANCH	19.12.2022		20.12.2022		21.12.2022		22.12.2022		23.12.2022		NO OF SESSIO NS ATTEN DED	SIGN OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
1	811219205001	Akash V	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Mark.V
2	811219205002	Akilandeswari J	IV/IT	✓	✓	✓	✓	✓	✓	A	A	✓	✓	8	Akilandeswari
3	811219205003	Aravindhan R	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Aravindhan
4	811219205004	Chitra Bharathy M	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Chitra
5	811219205005	Jeevitha M	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	A	9	Jeevitha
6	811219205006	Kaviya K	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Kaviya
7	811219205008	Libia Pojathsiyu C	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Libia
8	811219205009	Mageshwaran M	IV/IT	✓	✓	✓	✓	✓	✓	✓	A	✓	✓	9	Mageshwaran
9	811219205011	Ranjith M	IV/IT	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	9	Ranjith
10	811219205012	Ranjith kumar A	IV/IT	✓	✓	✓	✓	A	✓	✓	A	✓	✓	8	Ranjith
11	811219205013	Shareen Banu M R	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Shareen
12	811219205014	Shobana K	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	A	A	8	Shobana
13	811219205015	Sivaranjani P	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Sivaranjani
14	811219205016	Sowmiya P	IV/IT	✓	✓	✓	✓	A	✓	✓	✓	✓	A	8	Sowmiya

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				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
15	811219205017	Surya A	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Surya
16	811219205018	Swetha S	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Swetha
17	811219205019	Tamil selvi T	IV/IT	✓	✓	✓	(A)	✓	✓	✓	✓	✓	✓	9	Tamil Selvi
18	811219205020	Vijaya kumar M	IV/IT	✓	✓	✓	✓	(A)	✓	✓	(A)	✓	✓	8	Vijaya
19	811219205021	Visalini P	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	(A)	✓	9	Visalini
20	811219205501	Karthick A	IV/IT	✓	✓	(A)	✓	✓	(A)	✓	✓	✓	✓	8	Karthick
21	811220205002	Aiswariya V	III/IT	✓	(A)	✓	✓	✓	✓	(A)	✓	✓	✓	8	Aiswariya
22	811220205004	Anbazhagan S	III/IT	✓	✓	✓	✓	(A)	✓	✓	✓	✓	(A)	8	Anbazhagan
23	811220205005	Balamohan R	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Balamohan
24	811220205006	Benny A	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Benny
25	811220205007	Boomika P	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Boomika
26	811220205008	Charulatha B	III/IT	✓	✓	✓	✓	✓	(A)	✓	✓	✓	(A)	8	Charulatha
27	811220205009	Chiranjeevi V	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Chiranjeevi
28	811220205011	Dinesh M	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Dinesh
29	811220205012	Gowtham B	III/IT	✓	✓	(A)	✓	✓	✓	✓	✓	✓	✓	9	Gowtham
30	811220205014	Hariharan S	III/IT	✓	✓	✓	✓	✓	(A)	✓	✓	✓	(A)	8	Hariharan
31	811220205015	Hemalatha G	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Hemalatha
32	811220205016	Jeeva M	III/IT	✓	✓	✓	✓	(A)	✓	✓	✓	✓	(A)	8	Jeeva
33	811220205018	Keerthana S	III/IT	✓	(A)	✓	✓	✓	✓	✓	✓	✓	(A)	8	Keerthana
34	811220205019	Kirubhashree D	III/IT	✓	✓	✓	(A)	✓	✓	(A)	✓	✓	✓	8	Kirubhashree
35	811220205020	Krishnan N	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Krishnan
36	811220205021	Magesh G	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Magesh

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				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
37	811220205022	Mahasuvetha M	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Maha	
38	811220205023	Manikandan M	III/IT	✓	✓	✓	✓	✓	✓	A	A	✓	8	manikandan	
39	811220205024	Meenatchi A	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Meenatchi	
40	811220205025	Mohanapriya K	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Mohanapriya	
41	811220205026	Monisha A	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	Monisha	
42	811220205027	Murugesan K	III/IT	✓	✓	✓	✓	✓	A	✓	✓	✓	9	Murugesan	
43	811220205029	Pragathi R	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Pragathi	
44	811220205030	Priyanga K	III/IT	✓	✓	✓	A	✓	✓	✓	A	✓	8	Priyanga	
45	811220205032	Rajeswari S	III/IT	✓	A	✓	✓	✓	✓	✓	A	✓	8	Rajeswari	
46	811220205035	Rasika A	III/IT	✓	✓	✓	A	✓	✓	A	✓	✓	8	Rasika	
47	811220205036	Ravikumar M	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Ravi	
48	811220205037	Sabinath K	III/IT	✓	✓	A	✓	✓	✓	✓	✓	A	8	Sabinath	
49	811220205039	Sharmi A	III/IT	✓	✓	A	✓	✓	✓	A	✓	✓	8	Sharmi	
50	811220205040	Sheik Abdulla H	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	Sheik Abdulla	
51	811220205042	Soundarya V	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	A	10	Soundarya	
52	811220205043	Sriram C	III/IT	A	✓	✓	✓	✓	✓	✓	✓	✓	9	Sriram	
53	811220205044	Suganya G	III/IT	✓	✓	A	✓	✓	✓	✓	✓	✓	9	Suganya	
54	811220205045	Sushmeetha A	III/IT	✓	✓	✓	✓	✓	A	✓	A	✓	8	Sush	
55	811220205046	Thanasekaran S	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Thana	
56	811220205047	Thasneem Begam Y	III/IT	✓	✓	✓	✓	A	✓	✓	✓	✓	9	Thasneem	
57	811220205048	Thirumeni V	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Thirumeni	
58	811220205050	Yasika A	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Yasika	
59	811220205301	Dhanalakshmi V	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Dhanalakshmi	

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



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Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
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S. NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	19.12.2022		20.12.2022		21.12.2022		22.12.2022		23.12.2022		NO OF SESSIONS ATTENDED	SIGNATURE OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
60	811220205302	Irfana Fathima J	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Irfana fathima
61	811220205303	Vaibhavlaxmi L	III/IT	✓	✓	A	✓	✓	✓	A	✓	✓	✓	8	Vaibhavlaxmi L
62	811220205304	Vengatesan M	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Vengatesan M
63	811221205001	Angel Ebsiba.A	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Angel Ebsiba.A
64	811221205003	Asarudheen.K	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	9	Asarudheen.K
65	811221205004	Barakkath Nisha.S	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Barakkath Nisha.S
66	811221205005	Brundha.P	II/IT	✓	✓	✓	A	✓	✓	✓	✓	✓	A	8	Brundha.P
67	811221205009	Dinesh.M	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Dinesh.M
68	811221205010	Gnanasamuel.A	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Gnanasamuel.A
69	811221205013	Jai Surya.K	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	9	Jai Surya.K
70	811221205014	Jenani.R	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	A	9	Jenani.R
71	811221205015	Kannan.M	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Kannan.M
72	811221205016	Karthik Raja.M	II/IT	✓	✓	✓	✓	✓	✓	A	✓	✓	A	8	Karthik Raja.M
73	811221205017	Kavin.J	II/IT	✓	✓	✓	✓	✓	✓	✓	A	A	✓	8	Kavin.J
74	811221205018	Kayathri.S	II/IT	✓	✓	✓	✓	✓	A	✓	A	✓	✓	8	Kayathri.S
75	811221205019	Kishore.M	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Kishore.M
76	811221205020	Lalitha.K	II/IT	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	9	Lalitha.K
77	811221205021	Madhan.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Madhan.S
78	811221205022	Manikandana.M	II/IT	✓	A	✓	✓	✓	✓	A	✓	✓	✓	8	Manikandana.M
79	811221205023	Mohamed Anas.J	II/IT	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	9	Mohamed Anas.J
80	811221205024	Mohamed Aslam.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Mohamed Aslam.S
81	811221205025	Monika Sri.B	II/IT	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	9	Monika Sri.B
82	811221205029	Prasanna.M	II/IT	✓	A	✓	✓	✓	A	✓	✓	✓	✓	8	Prasanna.M
83	811221205032	Santhosh Kumar.P	II/IT	✓	✓	✓	✓	✓	✓	A	✓	✓	A	8	Santhosh Kumar.P
84	811221205033	Sathish Kannan.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Sathish Kannan.S



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86	811221205035	Stephen.S	II/IT	✓	✓	✓	✓	✓	✓	✓	ⓐ	✓	✓	9	Stephen.S
87	811221205036	Subhashini.M	II/IT	✓	✓	✓	✓	✓	ⓐ	✓	ⓐ	ⓐ	✓	8	Subhashini.M
88	811221205037	Subasri.M	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	ⓐ	✓	10	Subasri.M
89	811221205038	Sujhin.R	II/IT	✓	✓	✓	ⓐ	✓	✓	✓	ⓐ	✓	✓	8	Sujhin.R
90	811221205039	Sumitha.A	II/IT	✓	✓	✓	✓	✓	✓	✓	ⓐ	✓	✓	10	Sumitha.A


VAC Coordinator


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.


HoD/IT



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappelli - 620 012

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Name of the Student:

Moupha. A

Year/Sem:

IV

AU Register Number:

811220205086



Value Added Course

“Speech Recognition Technology in Natural Network”

MULTIPLE CHOICE QUESTIONS (25X1 = 25 Marks)

1. What is the goal of natural language processing (NLP)?
 - a) To understand human language and enable computers to interact with humans in a natural way
 - b) To create new languages for computers to communicate with each other
 - c) To develop machines that can understand and speak all languages in the world
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 - a) Handling Ambiguity of Sentences
 - b) Handling Tokenization
 - c) Handling POS-Tagging
 - d) All of the mentioned
4. Choose from the following areas where NLP can be useful.
 - a) Automatic Text Summarization
 - b) Automatic Question-Answering Systems
 - c) Information Retrieval
 - d) All of the mentioned
5. Which of the following includes major tasks of NLP?
 - a) Automatic Summarization
 - b) Discourse Analysis
 - c) Machine Translation
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6. What is Coreference Resolution?
 - a) Anaphora Resolution
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Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



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- a) Hear
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- a) Sound model
- b) Model
- c) Language model
- d) All of the mentioned

13. Which model gives the probability of each word following each other word?

- a) Bigram model
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- d) Speech model

14. What is the study of how the language sounds?

- a) Speechology
- b) Biology
- c) Trilogy
- d) Phonology


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
1G Valley, Madurai Main Road
Manikandam, Trichy-620 012.



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Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012

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15. What are periodic changes in pressure that propagate through the air?
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IG Valley, Madurai Main Road
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22. Which of the following is used study of construction of words from primitive meaningful units?

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23. Parts-of-Speech tagging determines _____

- a) part-of-speech for each word dynamically as per meaning of the sentence
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24. In linguistic morphology _____ is the process for reducing inflected words to their root form.

- a) Rooting
- b) Stemming
- c) Text-Proofing
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25. Which of the following is demerits of Top-Down Parser?

- a) It is hard to implement.
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- c) inefficient
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IG Valley, Madurai Main Road
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Name of the Student: Dinesh. M

Year/Sem: 12

AU Register Number: 811220 205011



Value Added Course

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MULTIPLE CHOICE QUESTIONS (25X1 = 25 Marks)

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22. Which of the following is used study of construction of words from primitive meaningful units?

- a) Phonology
- b) Morphology
- c) Morpheme
- d) Shonology

23. Parts-of-Speech tagging determines _____

- a) part-of-speech for each word dynamically as per meaning of the sentence
- b) part-of-speech for each word dynamically as per sentence structure
- c) all part-of-speech for a specific word given as input
- d) All of the above

24. In linguistic morphology _____ is the process for reducing inflected words to their root form.

- a) Rooting
- b) Stemming
- c) Text-Proofing
- d) Both Rooting & Stemming

25. Which of the following is demerits of Top-Down Parser?

- a) It is hard to implement.
- b) Slow speed
- c) inefficient
- d) Both B and C

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
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Value Added Course

“Speech Recognition Technology in Natural Network”

ANSWER KEY

1	a	6	b	11	a	16	c	21	c
2	b	7	a	12	c	17	c	22	b
3	a	8	b	13	a	18	b	23	d
4	d	9	b	14	d	19	a	24	d
5	d	10	c	15	b	20	c	25	b


VAC Coordinator


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
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Department of Information Technology

Academic Year 2022-2023 – Odd Semester

VALUE ADDED COURSE ASSESMENT SHEET


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Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Speech Recognition Technology in Natural Network

S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
1	811219205001	Akash V	IV/IT	30	100	20	80	90
2	811219205002	Akilandeswari J	IV/IT	24	83	15	60	72
3	811219205003	Aravindhan R	IV/IT	30	100	19	76	88
4	811219205004	Chitra Bharathy M	IV/IT	30	100	22	88	94
5	811219205005	Jeevitha M	IV/IT	27	92	18	72	82
6	811219205006	Kaviya K	IV/IT	30	92	17	68	80
7	811219205008	Libia Pojathsiyu C	IV/IT	30	100	18	72	86
8	811219205009	Mageshwaran M	IV/IT	27	83	17	68	76
9	811219205011	Ranjith M	IV/IT	27	92	16	64	78
10	811219205012	Ranjith kumar A	IV/IT	24	92	16	64	78
11	811219205013	Shareen Banu M R	IV/IT	30	100	20	80	90


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 Principal
 Indra Ganesan College of Engineering
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12	811219205014	Shobana K	IV/IT	24	92	17	68	80
13	811219205015	Sivaranjani P	IV/IT	30	100	20	80	90
14	811219205016	Sowmiya P	IV/IT	24	83	15	60	72
15	811219205017	Surya A	IV/IT	30	100	19	76	88
16	811219205018	Swetha S	IV/IT	30	100	22	88	94
17	811219205019	Tamil selvi T	IV/IT	27	92	18	72	82
18	811219205020	Vijaya kumar M	IV/IT	24	92	17	68	80
19	811219205021	Visalini P	IV/IT	27	100	18	72	86
20	811219205501	Karthick A	IV/IT	24	83	17	68	76
21	811220205002	Aiswariya V	III/IT	24	92	16	64	78
22	811220205004	Anbazhagan S	III/IT	24	92	16	64	78
23	811220205005	Balamohan R	III/IT	30	100	20	80	90
24	811220205006	Benny A	III/IT	30	92	20	80	86
25	811220205007	Boomika P	III/IT	30	100	20	80	90
26	811220205008	Charulatha B	III/IT	24	83	15	60	72
27	811220205009	Chiranjeevi V	III/IT	30	100	19	76	88
28	811220205011	Dinesh M	III/IT	30	100	22	88	94
29	811220205012	Gowtham B	III/IT	27	92	18	72	82
30	811220205014	Hariharan S	III/IT	24	92	17	68	80

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Principal

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31	811220205015	Hemalatha G	III/IT	30	100	20	80	90
32	811220205016	Jeeva M	III/IT	24	82	17	68	76
33	811220205018	Keerthana S	III/IT	24	92	16	64	78
34	811220205019	Kirubhashree D	III/IT	24	92	16	64	78
35	811220205020	Krishnan N	III/IT	30	100	20	80	90
36	811220205021	Magesh G	III/IT	30	92	20	80	86
37	811220205022	Mahasuvetha M	III/IT	30	100	20	80	90
38	811220205023	Manikandan M	III/IT	24	83	15	60	72
39	811220205024	Meenatchi A	III/IT	30	100	19	76	88
40	811220205025	Mohanapriya K	III/IT	30	100	22	88	94
41	811220205026	Monisha A	III/IT	27	92	18	72	82
42	811220205027	Murugesan K	III/IT	27	92	17	68	80
43	811220205029	Pragathi R	III/IT	30	100	18	72	86
44	811220205030	Priyanga K	III/IT	24	83	17	68	76
45	811220205032	Rajeswari S	III/IT	24	92	16	64	78
46	811220205035	Rasika A	III/IT	24	92	16	64	78
47	811220205036	Ravikumar M	III/IT	30	100	20	80	90
48	811220205037	Sabinath K	III/IT	24	92	20	80	86
49	811220205039	Sharmi A	III/IT	24	83	15	60	72

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50	811220205040	Sheik Abdulla H	III/IT	27	90	19	76	83
51	811220205042	Soundarya V	III/IT	30	100	20	80	90
52	811220205043	Sriram C	III/IT	27	90	19	76	83
53	811220205044	Suganya G	III/IT	27	80	21	84	82
54	811220205045	Sushmeetha A	III/IT	24	90	20	80	85
55	811220205046	Thanasekaran S	III/IT	30	100	21	84	92
56	811220205047	Thasneem Begam Y	III/IT	27	90	20	80	85
57	811220205048	Thirumeni V	III/IT	30	100	19	76	88
58	811220205050	Yasika A	III/IT	30	100	20	80	90
59	811220205301	Dhanalakshmi V	III/IT	30	100	21	84	92
60	811220205302	Irfana Fathima J	III/IT	30	90	21	84	87
61	811220205303	Vaibhavalaxmi L	III/IT	24	80	20	80	80
62	811220205304	Vengatesan M	III/IT	30	90	21	84	87
63	811221205001	Angel Ebsiba.A	II/IT	30	100	20	80	90

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				No. of hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100)(B)	
88	811221205037	Subasri.M	II/IT	30	100	20	80	90
89	811221205038	Sujhin.R	II/IT	24	83	15	60	72
90	811221205039	Sumitha.A	II/IT	30	100	19	76	88



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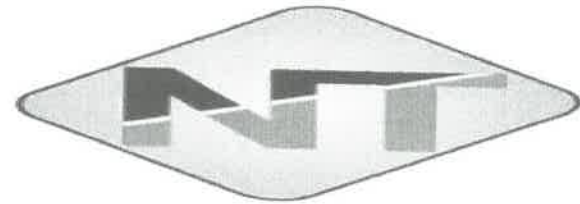
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Managing Director
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Principal
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This is to certify that Mr/Ms.**Dinesh.M**..... ofII...-IT.....has successfully completed the Value Added Course on ““**Speech Recognition Technology in Natural Network**”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23rd DECEMBER 2022 (5days) during the Academic year 2022-2023.

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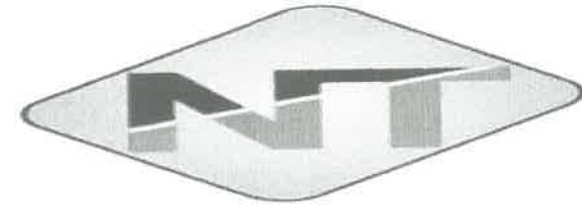
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Principal

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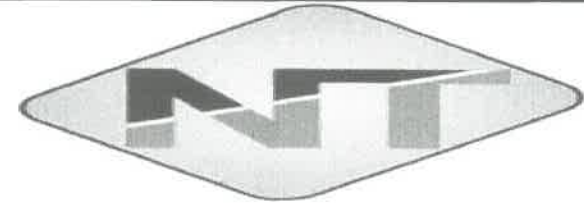
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This is to certify that Mr/Ms.**Lalitha.K**..... ofII...-IT.....has successfully completed the Value Added Course on ““**Speech Recognition Technology in Natural Network**”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23rd DECEMBER 2022 (5days) during the Academic year 2022-2023.

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Principal

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IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

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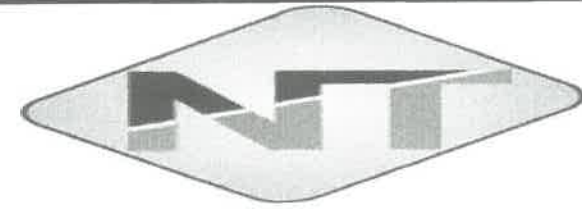
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This is to certify that Mr/Ms.Prasanna.M..... ofII...-IT.....has successfully completed the Value Added Course on ““Speech Recognition Technology in Natural Network”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23 rd DECEMBER 2022 (5days) during the Academic year 2022-2023.

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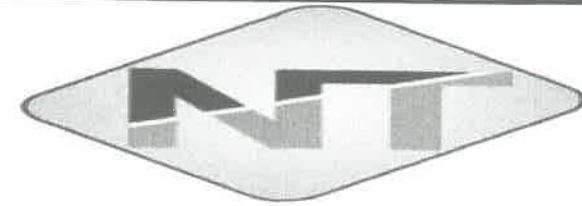
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This is to certify that Mr/Ms.**Sumitha.A** ofII...-IT.....has successfully completed the Value Added Course on ““**Speech Recognition Technology in Natural Network**”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23 rd DECEMBER 2022 (5days) during the Academic year 2022-2023.

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IG Valley, Madurai Main Road
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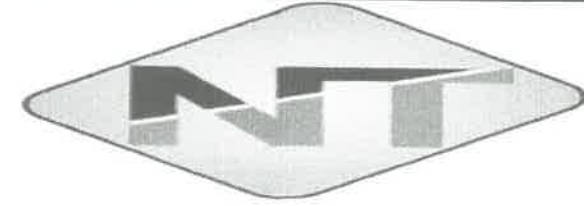
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This is to certify that Mr/Ms.**Jeeva.M** ofIII...-IT.....has successfully completed the Value Added Course on “**Speech Recognition Technology in Natural Network**” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23rd DECEMBER 2022 (5days) during the Academic year 2022-2023.

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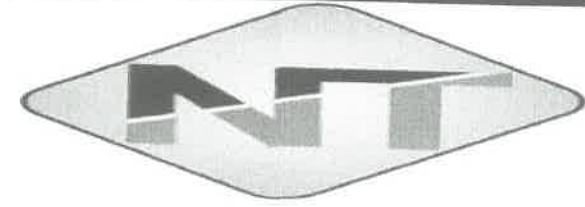
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This is to certify that Mr/Ms.**Meenatchi.A** ofIII...-IT.....has successfully completed the Value Added Course on ““**Speech Recognition Technology in Natural Network**”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23 rd DECEMBER 2022 (5days) during the Academic year 2022-2023.

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Professor
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Principal

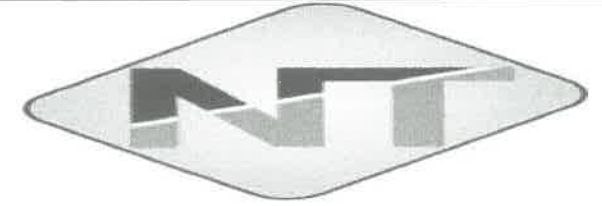
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This is to certify that Mr/Ms.Pragathi.R ofIII...-IT.....has successfully completed the Value Added Course on ““Speech Recognition Technology in Natural Network”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech Pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23rd DECEMBER 2022 (5days) during the Academic year 2022-2023.

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Principal

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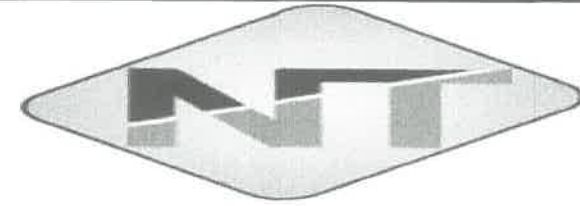
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This is to certify that Mr/Ms.**Rasika.A** ofIII...-IT.....has successfully completed the Value Added Course on ““**Speech Recognition Technology in Natural Network**”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23 rd DECEMBER 2022 (5days) during the Academic year 2022-2023.

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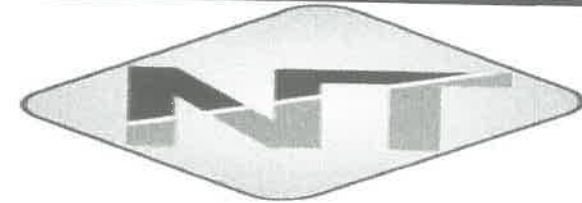
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This is to certify that Mr/Ms.**Aiswariya.V** ofIII...-IT.....has successfully completed the Value Added Course on “**Speech Recognition Technology in Natural Network**” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech Pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23rd DECEMBER 2022 (5days) during the Academic year 2022-2023.

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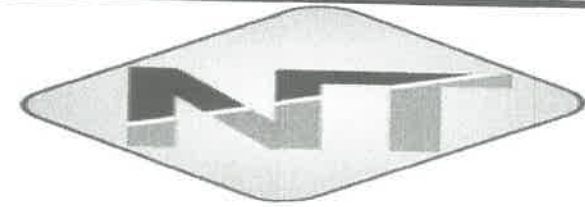


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This is to certify that Mr/Ms.**Hemalatha.G** ofIII...-IT.....has successfully completed the Value Added Course on ““**Speech Recognition Technology in Natural Network**”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23 rd DECEMBER 2022 (5days) during the Academic year 2022-2023.


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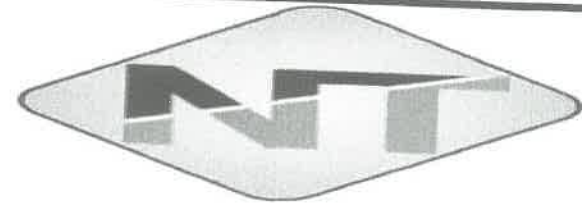


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This is to certify that Mr/Ms.vishalini.P ofIV...-IT.....has successfully completed the Value Added Course on ““Speech Recognition Technology in Natural Network”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech Pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23 rd DECEMBER 2022 (5days) during the Academic year 2022-2023.

Mr. A. R. Sooriyaoli,

Managing Director

Novi Tech R& D Pvt.Ltd

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Principal

IGCE

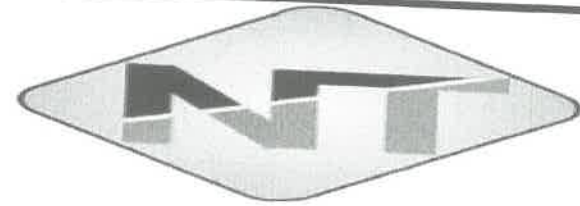


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CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms.**Akash.V** ofIV....-IT.....has successfully completed the Value Added Course on ““**Speech Recognition Technology in Natural Network**”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech Pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23 rd DECEMBER 2022 (5days) during the Academic year 2022-2023.


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Indra Ganesan College of Engineering
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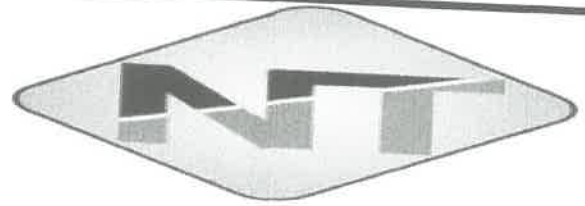


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CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms.**Jeevitha.M** ofIV...-IT.....has successfully completed the Value Added Course on ““**Speech Recognition Technology in Natural Network**”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23 rd DECEMBER 2022 (5days) during the Academic year 2022-2023.


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Novi Tech R& D Pvt.Ltd


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Principal

Indra Ganesan College of Engineering
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Manikandam, Tiruchy-620 012.


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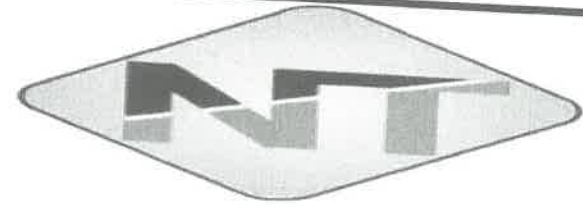
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This is to certify that Mr/Ms.**Ranjith.M** ofIV...-IT.....has successfully completed the Value Added Course on ““**Speech Recognition Technology in Natural Network**”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech Pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23 rd DECEMBER 2022 (5days) during the Academic year 2022-2023.

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Managing Director

Novi Tech R& D Pvt.Ltd

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Principal

IGCE

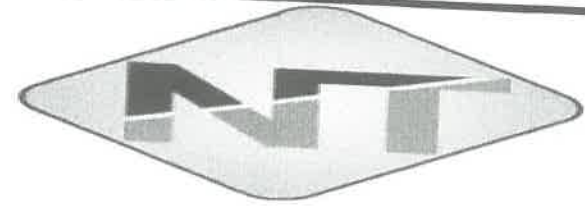


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CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms.Surya.A ofIV...-IT.....has successfully completed the Value Added Course on ““Speech Recognition Technology in Natural Network”” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech Pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23 rd DECEMBER 2022 (5days) during the Academic year 2022-2023.


Mr. A. R. Sobriyaoli,

Managing Director

Novi Tech R& D Pvt.Ltd



Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.


Principal

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CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms.**Tamilselvi.T** of**IV...-IT.....** has successfully completed the Value Added Course on “**Speech Recognition Technology in Natural Network**” organized by Department of Information Technology and IQAC of our Institution in Association with Novi Tech Pvt.Ltd Technologies from 19TH DECEMBER 2022 to 23 rd DECEMBER 2022 (5days) during the Academic year 2022-2023.


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Managing Director

Novi Tech R& D Pvt.Ltd


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.


Principal

IGCE