



# 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

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**QUALITY INDICATOR FRAME WORK**

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**CRITERION – 2**

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**TEACHING-LEARNING  
AND EVALUATION**

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SUBMITTED BY

**IQAC**

INTERNAL QUALITY ASSURANCE CELL

**INDRA GANESAN COLLEGE OF ENGINEERING**





<b>Criteria2</b>	<b>Teaching-LearningandEvaluation</b>	<b>350</b>
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**KeyIndicator-2.3.Teaching-LearningProcess(40)**

**2022-2023**

**PARTICIPATIVE LEARNING  
INFORMATION TECHNOLOGY**

<b>Activity</b>	<b>Number of Students Attended</b>	<b>Page No.</b>
<b>Value Added Course(VAC)</b>	<b>93</b>	<b>3</b>
<b>TOTAL STUDENTS ATTENDED</b>	<b>93</b>	<b>-</b>



**Criteria2**

**Teaching-Learning and Evaluation**

**350**

**KeyIndicator-2.3.Teaching-Learning Process (40)**

**2022-2023**

**INFORMATION TECHNOLOGY**

**PARTICIPATIVELEARNING**

**VALUE ADDED COURSE**



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

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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  
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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

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

Dr. G. Balakrishnan, M.E., Ph.D. <sup>Speech Recognition Technology in Natural Network</sup>  
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	Aravindhana 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	Chiranjeevi 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	II/IT
33	811220205018	Keerthana S	II/IT
34	811220205019	Kirubhashree D	III/IT
35	811220205020	Krishnan N	II/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	II/IT
46	811220205035	Rasika A	III/IT
47	811220205036	Ravikumar M	II/IT
48	811220205037	Sabinath K	II/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	II/IT
54	811220205045	Sushmeetha A	III/IT
55	811220205046	Thanasekaran S	III/IT
56	811220205047	Thasneem Begam Y	III/IT
57	811220205048	Thirumeni V	II/IT
58	811220205050	Yasika A	III/IT
59	811220205301	Dhanalakshmi V	III/IT
60	811220205302	Irfana Fathima J	II/IT
61	811220205303	VaibhaviIaxmi L	III/IT
62	811220205304	Vengatesan M	III/IT
63	811221205001	Angel Ebsiba.A	II/IT
64	811221205003	Asarudheen.K	II/IT
65	811221205004	Barakkath Nisha.S	II/IT
66	811221205005	Brundha.P	II/IT
67	811221205009	Dlnesh.M	II/IT
68	811221205010	Gnanasamuel.A	II/IT
69	811221205013	Jai Surya.K	II/IT
70	811221205014	Jenani.R	II/IT
71	811221205015	Kannan.M	II/IT

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

Principal

Indra Ganesan College of Engineering

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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

  
HOD/IT





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Manikandam, Trichy-620 012.

### 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% in attendance 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:	<b>"Speech Recognition Technology in Natural Network"</b>		
Resource Person:	<b>Mr. A. Sooriyaoli, Managing Director Novi Tech R&amp;D Pvt.Ltd</b>	<b>Mr.R.Rajesh, Project Manager, Novi Tech R&amp;D Pvt.Ltd</b>	
Date of conduct from :	19.12.2022	To: 23.12.2022	Duration: <b>30 Hours</b>
Organized Department :	<b>Information Technology</b>		
Participant Year:	<b>2,3,4</b>	No. of Students Registered :	<b>90</b>
Venue:	<b>IT Seminar Hall</b>		

#### Sample Photos:



*[Signature]*  
**VAC Coordinator**

*[Signature]*  
**HoD/IT**

*[Signature]*  
**Principal**

*[Signature]*

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

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

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	Akilandewari J	IV/IT	✓	✓	✓	✓	✓	✓	A	A	✓	✓	8	Akilandewari J
3	811219205003	Aravindhan R	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Aravindhan R
4	811219205004	Chitra Bharathy M	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Chitra Bharathy M
5	811219205005	Jeevitha M	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	A	9	Jeevitha M
6	811219205006	Kaviya K	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Kaviya K
7	811219205008	Libia Pojathsiyu C	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Libia Pojathsiyu C
8	811219205009	Mageshwaran M	IV/IT	✓	✓	✓	✓	✓	✓	✓	A	✓	✓	9	Mageshwaran M
9	811219205011	Ranjith M	IV/IT	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	9	Ranjith M
10	811219205012	Ranjith kumar A	IV/IT	✓	✓	✓	✓	A	✓	✓	A	✓	✓	8	Ranjith kumar A
11	811219205013	Shareen Banu M R	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Shareen Banu M R
12	811219205014	Shobana K	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	A	A	8	Shobana K
13	811219205015	Sivaranjani P	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Sivaranjani P
14	811219205016	Sowmiya P	IV/IT	✓	✓	✓	✓	A	✓	✓	✓	✓	A	8	Sowmiya P

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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 SESSION S ATTEND ED	SIGNATURE OF THE STUDENT
				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 P
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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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		
37	811220205022	Mahasuvetha M	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Mahdy	
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	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	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	✓	✓	✓	✓	✓	✓	✓	✓	✓	A	9	Sheik Abdulla
51	811220205042	Soundarya V	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	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	Sushmeetha
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

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Manikandam, Trichy-620 012.

S. NO	REG NO	STUDENTS NAME	YEAR/ BRANC H	19.12.2022		20.12.2022		21.12.2022		22.12.2022		23.12.2022		NO OF SESSIONS ATTENDE D	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	Vaibhavilaxmi L	III/IT	✓	✓	A	✓	✓	✓	A	✓	✓	✓	8	Vaibhavilaxmi L
62	811220205304	Vengatesan M	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Vengatesan M
63	811221205001	Angel Ebsiba.A	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Angel E
64	811221205003	Asarudheen.K	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	9	Asarudheen
65	811221205004	Barakkath Nisha.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Barakkath
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
69	811221205013	Jai Surya.K	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	9	Jai Surya
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
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
79	811221205023	Mohamed Anas.J	II/IT	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	9	Mohamed Anas
80	811221205024	Mohamed Aslam.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Mohamed Aslam
81	811221205025	Monika Sri.B	II/IT	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	9	Monika Sri
82	811221205029	Prasanna.M	II/IT	✓	A	✓	✓	✓	A	✓	✓	✓	✓	8	Prasanna M
83	811221205032	Santhosh Kumar.P	II/IT	✓	✓	✓	✓	✓	✓	✓	A	✓	A	8	Santhosh Kumar
84	811221205033	Sathish Kannan.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Sathish Kannan



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

  
VAC Coordinator

  
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HoD/IT



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Name of the Student: Moudha. A

Year/Sem: 2<sup>nd</sup>

AU Register Number: 811220205026

### 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
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3. What is the main challenge/s of NLP?
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  - c) Handling POS-Tagging
  - d) All of the mentioned
4. Choose from the following areas where NLP can be useful.
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  - c) Information Retrieval
  - d) All of the mentioned
5. Which of the following includes major tasks of NLP?
  - a) Automatic Summarization
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  - c) Machine Translation
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6. What is Coreference Resolution?
  - a) Anaphora Resolution
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9. What is the dominant modality for communication between humans?

- a) Hear
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- c) Smell
- d) None of the mentioned

10. What kind of signal is used in speech recognition?

- a) Electromagnetic signal
- b) Electric signal
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11. What is viewed as problem of probabilistic inference?

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12. Which specifies the prior probability of each utterance?

- a) Sound model
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13. Which model gives the probability of each word following each other word?

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

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

  
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17. Which is used to capture the internal structure of the phones?  
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18. Which are partially captured by triphone model?  
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19. What is full form of NLU?  
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22. Which of the following is used study of construction of words from primitive meaningful units?

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

- a) It is hard to implement.
- b) Slow speed
- c) inefficient
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Name of the Student: Dinesh MA

Year/Sem: II

AU Register Number: 811220 205011

### Value Added Course

"Speech Recognition Technology in Natural Network"

MULTIPLE CHOICE QUESTIONS (25X1 = 25 Marks)

22  
25

1. What is the goal of natural language processing (NLP)?

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- a) Does Discourse Analysis
- b) is an extension of propositional logic
- c) Separate words into individual morphemes and identify the class of the morphemes
- d) None of the Above

21. Which of the following is used to mapping sentence plan into sentence structure?

- a) Text planning
- b) Sentence planning
- c) Text Realization
- d) None of the Above

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Principal

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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

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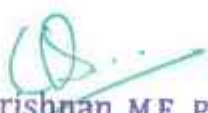
### Value Added Course

“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

  
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Manikandam, Trichy-620 012.



**Department of Information Technology**

**Academic Year 2022-2023 – Odd Semester**

**VALUE ADDED COURSE ASSESMENT SHEET**

  
**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal  
Indra Ganesan College of Engineering  
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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	Aravindhana 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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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)	
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	Boornika 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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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)	
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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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)	
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	Vaibhavilaxmi 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



S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	Attendance Details	Attendance Details	VAC-MCQ TEST	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)	
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



VAC Coordinator



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HoD/IT

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)	
64	811221205003	Asarudheen.K	II/IT	27	92	17	68	80
65	811221205004	Barakkath Nisha.S	II/IT	30	100	20	80	90
66	811221205005	Brundha.P	II/IT	24	83	15	60	72
67	811221205009	Dinesh.M	II/IT	30	100	19	76	88
68	811221205010	Gnanasamuel.A	II/IT	30	100	22	88	94
69	811221205013	Jai Surya.K	II/IT	27	92	18	72	82
70	811221205014	Jenani.R	II/IT	27	92	17	68	80
71	811221205015	Kannan.M	II/IT	30	100	18	72	86
72	811221205016	Karthik Raja.M	II/IT	24	83	17	68	76
73	811221205017	Kavin.J	II/IT	24	92	16	64	78
74	811221205018	Kayathri.S	II/IT	24	92	16	64	78
75	811221205019	Kishore.M	II/IT	30	100	20	80	90
76	811221205020	Lalitha.K	II/IT	27	92	20	80	86
77	811221205021	Madhan.S	II/IT	30	100	20	80	90
78	811221205022	Manikandana.M	II/IT	24	83	15	60	72
79	811221205023	Mohamed Anas.J	II/IT	27	100	19	76	88
80	811221205024	Mohamed Aslam.S	II/IT	30	100	22	88	94
81	811221205025	Monika Sri.B	II/IT	27	92	18	72	82
82	811221205029	Prasanna.M	II/IT	24	92	17	68	80
83	811221205032	Santhosh Kumar.P	II/IT	24	92	17	68	80
84	811221205033	Sathish Kannan.S	II/IT	30	100	20	80	90
85	811221205034	Sebasthyan.S	II/IT	24	83	15	60	72
86	811221205035	Stephen.S	II/IT	27	100	19	76	88
87	811221205036	Subhashini.M	II/IT	24	92	17	68	80

  
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### *CERTIFICATE of Participation*

*This is to certify that Mr/Ms. .... Visalini.P..... of  
..... Final Year-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 Izone Technologies from 19 TH  
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  
IC College, Madurai Main Road  
City-620 012.**

**Principal  
IGCE**



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### CERTIFICATE of Participation

This is to certify that Mr/Ms. ....*Stephen.S*..... of  
.....*Second Year-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 Izone Technologies from 19<sup>TH</sup>  
DECEMBER 2022 to 23<sup>rd</sup> 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  
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Principal  
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Department of Information Technology  
Academic Year 2022-2023 –EVEN Semester

25.03.2023

DEPARTMENT CIRCULAR

Department of **Information Technology** and IQAC of IGCE in association with **Uniq Technologies** is going to organize Value Added Course for all Second, Third and Final year students on "**Application of Image Processing in Information Technology**" from 28.03.2023 to 01.04.2023 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. Azmann Managing Director, Uniq Technologies  2.Mr.Madhesh Project Manager Uniq Technologies
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

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



## Value Added Course

**“Application of Image Processing in Information Technology”**

### SYLLABUS

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	Introduction to Image Processing	3	28.03.2023
2	Frequency domain transformation techniques and their properties.	3	28.03.2023
3	Gray-level mapping, non-linear graylevel mapping	3	29.03.2023
4	Color image processing	3	29.03.2023
5	The Unsupervised Clustering Algorithm	3	30.03.2023
6	Neural Networks , Deep Learning- Overview	3	30.03.2023
7	Edge detection and image sharpening	3	31.03.2023
8	image sensor and digital image formation	3	31.03.2023
9	Need for data compression, Huffman, Run Length Encoding	3	01.04.2023
10	Recognition based on matching	2	01.04.2023
11	Exam	1	01.04.2023
Total Hours (Excluding Exam)		30	-

  
VAC Coordinator



  
HOD/IT

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### Value Added Course

**“Application of Image Processing in Information Technology”**

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IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.

### STUDENTS PARTICIPATION LIST

S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH
1	811219205001	Akash V	IV/IT
2	811219205002	Akilandeswari J	IV/IT
3	811219205003	Aravindhana 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	Chiranjeevi 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
32	811220205016	Jeeva M	III/IT
33	811220205018	Keerthana S	III/IT



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

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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH
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	Sebasthian.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

  
VAC Coordinator

  
Dr. G. Balakrishnan, M.E., Ph.D.,  
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HOD/IT



# Indra Ganesan

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### REPORT ON VALUE ADDED COURSE

Title: "Application of Image Processing in Information Technology"

Resource Person: **Mr. Azmann**  
Managing Director,  
Uniq Technologies

Mr. Madhesh  
Project Manager  
Uniq Technologies

Date of conduct from : 28.03.2023 To: 01.04.2023 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

- Build by familiar with digital image fundamentals
- Images that are seen and acquired in everyday life have a number of very interesting properties.
- Properties are a key to developing efficient and accurate algorithms for a variety of applications such as image noise removal, blur removal, image separation .
- Explore some key theory including the proofs of some truly beautiful theorems, algorithms, as well as many applications.
- Expose students to a broad range of modern, state-of-the-art techniques in image processing.

#### Assessment Process

- Students, who are securing more than 70% on total score and secured more than 75% in attendance 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

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

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### SAMPLE PHOTOS OF VALUE ADDED COURSE

Title:

“Application of Image Processing in Information Technology”

Resource Person:

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Date of conduct from :

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IT Seminar Hall

Sample Photos:



  
VAC Coordinator

  
HoD/IT

  
Principal

  
Dr. G. Balakrishnan, M.E., Ph.D.,  
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### Department of Information Technology

#### Academic Year 2022-2023 –EVEN Semester

#### STUDENTS ATTENDANCE LIST

#### Value Added Course

#### “Application of Image Processing in Information Technology”

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

S.N O	REG NO	STUDENTS NAME	YEAR/ BRANC H	28.03.2023		29.03.2023		30.03.2023		31.03.2023		01.04.2023		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	Akash ✓
2	811219205002	Akilandeswari J	IV/IT	(A)	✓	(A)	✓	✓	✓	✓	✓	✓	✓	8	Akilandeswari
3	811219205003	Aravindhan R	IV/IT	✓	✓	✓	✓	✓	(A)	✓	✓	✓	✓	9	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	✓	✓	✓	✓	✓	✓	✓	(A)	✓	✓	9	Kaviya
7	811219205008	Libia Pojathsiyu C	IV/IT	✓	✓	✓	✓	✓	✓	(A)	✓	✓	✓	9	Libia
8	811219205009	Mageshwaran M	IV/IT	✓	✓	✓	(A)	(A)	✓	✓	✓	✓	✓	8	Mageshwaran
9	811219205011	Ranjith M	IV/IT	✓	✓	✓	✓	✓	✓	✓	(A)	(A)	✓	8	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)	✓	9	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	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	9	Surya A
16	811219205018	Swetha S	IV/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Swetha S
17	811219205019	Tamil selvi T	IV/IT	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	9	Tamil selvi T
18	811219205020	Vijaya kumar M	IV/IT	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	9	Vijaya kumar M
19	811219205021	Visalini P	IV/IT	✓	A	A	✓	✓	✓	✓	✓	✓	✓	8	Visalini P
20	811219205501	Karthick A	IV/IT	✓	✓	✓	A	A	✓	✓	✓	✓	✓	8	Karthick A
21	811220205002	Aiswariya V	III/IT	✓	✓	✓	✓	A	A	✓	✓	✓	✓	8	Aiswariya V
22	811220205004	Anbazhagan S	III/IT	✓	✓	✓	✓	✓	✓	A	A	✓	✓	8	Anbazhagan S
23	811220205005	Balamohan R	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Balamohan R
24	811220205006	Benny A	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Benny A
25	811220205007	Boomika P	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Boomika P
26	811220205008	Charulatha B	III/IT	✓	✓	✓	✓	✓	A	A	✓	✓	✓	8	Charulatha B
27	811220205009	Chiranjeevi V	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Chiranjeevi V
28	811220205011	Dinesh M	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Dinesh M
29	811220205012	Gowtham B	III/IT	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	9	Gowtham B
30	811220205014	Hariharan S	III/IT	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	9	Hariharan S
31	811220205015	Hemalatha G	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Hemalatha G
32	811220205016	Jeeva M	III/IT	✓	✓	✓	✓	A	✓	A	✓	✓	✓	8	Jeeva M
33	811220205018	Keerthana S	III/IT	✓	✓	✓	✓	A	✓	A	✓	✓	✓	8	Keerthana S
34	811220205019	Kirubhashree D	III/IT	✓	✓	✓	✓	A	✓	A	✓	✓	✓	8	Kirubhashree D
35	811220205020	Krishnan N	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Krishnan N
36	811220205021	Magesh G	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Magesh G

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

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				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
60	811220205302	Irfana Fathima J	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Irfana Fathima J.
61	811220205303	Vaibhavilaxmi L	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	Vaibhavilaxmi L.
62	811220205304	Vengatesan M	III/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	Vengatesan M.
63	811221205001	Angel Ebsiba.A	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Angel Ebsiba.A.
64	811221205003	Asarudheen.K	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Asarudheen.K.
65	811221205004	Barakkath Nisha.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Barakkath Nisha.S.
66	811221205005	Brundha.P	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Brundha.P.
67	811221205009	Dinesh.M	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	Dinesh.M.
68	811221205010	Gnanasamuel.A	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Gnanasamuel.A.
69	811221205013	Jai Surya.K	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Jai Surya.K.
70	811221205014	Jenani.R	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Jenani.R.
71	811221205015	Kannan.M	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Kannan.M.
72	811221205016	Karthik Raja.M	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Karthik Raja.M.
73	811221205017	Kavin.J	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	Kavin.J.
74	811221205018	Kayathri.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Kayathri.S.
75	811221205019	Kishore.M	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Kishore.M.
76	811221205020	Lalitha.K	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Lalitha.K.
77	811221205021	Madhan.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Madhan.S.
78	811221205022	Manikandana.M	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Manikandana.M.
79	811221205023	Mohamed Anas.J	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	8	Mohamed Anas.J.
80	811221205024	Mohamed Aslam.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Mohamed Aslam.S.
81	811221205025	Monika Sri.B	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Monika Sri.B.
82	811221205029	Prasanna.M	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	Prasanna.M.
83	811221205032	Santhosh Kumar.P	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	8	Santhosh Kumar.P.
84	811221205033	Sathish Kannan.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	8	Sathish Kannan.S.
85	811221205034	Sebasthyan.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Sebasthyan.S.



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				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
86	811221205035	Stephen.S	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Stephen.S
87	811221205036	Subhashini.M	II/IT	✓	✓	✓	✓	✓	✓	(A)	(A)	✓	✓	8	m. Subashni.
88	811221205037	Subasri.M	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	m. Subashni.
89	811221205038	Sujhin.R	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	(A)	(A)	8	Sujhin
90	811221205039	Sumitha.A	II/IT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	Sumitha.A

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Name of the Student:

Akash V

Year/Sem: IV

AU Register Number:

811219205001



### Value Added Course

**"Application of Image Processing in Information Technology"**

#### MULTIPLE CHOICE QUESTIONS (25X1 = 25 Marks)

1. What is Digital Image Processing?

- a) It's an application that alters digital videos
- b) It's a software that allows altering digital pictures
- c) It's a system that manipulates digital medias
- d) It's a machine that allows altering digital images

2. Which of the following process helps in Image enhancement?

- a) Digital Image Processing
- b) Analog Image Processing
- c) Both a and b
- d) None of the above

3. Among the following, functions that can be performed by digital image processing is?

- a) Fast image storage and retrieval
- b) Controlled viewing
- c) Image reformatting
- d) All of the above

4. Which of the following is an example of Digital Image Processing?

- a) Computer Graphics
- b) Pixels
- c) Camera Mechanism
- d) All of the mentioned

5. What are the categories of digital image processing?

- a) Image Enhancement
- b) Image Classification and Analysis
- c) Image Transformation
- d) All of the mentioned

  
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6. How does picture formation in the eye vary from image formation in a camera?
- Fixed focal length
  - Varying distance between lens and imaging plane
  - No difference
  - Variable focal length
7. What are the names of the various colour image processing categories?
- Pseudo-color and Multi-color processing
  - Half-color and pseudo-color processing
  - Full-color and pseudo-color processing
  - Half-color and full-color processing
8. Which characteristics are taken together in chromaticity?
- Hue and Saturation
  - Hue and Brightness
  - Saturation, Hue, and Brightness
  - Saturation and Brightness
9. Which of the following statement describe the term pixel depth?
- It is the number of units used to represent each pixel in RGB space
  - It is the number of mm used to represent each pixel in RGB space
  - It is the number of bytes used to represent each pixel in RGB space
  - It is the number of bits used to represent each pixel in RGB-space
10. The aliasing effect on an image can be reduced using which of the following methods?
- By reducing the high-frequency components of image by clarifying the image
  - By increasing the high-frequency components of image by clarifying the image
  - By increasing the high-frequency components of image by blurring the image
  - By reducing the high-frequency components of image by blurring the image
11. Which of the following is the first and foremost step in Image Processing?
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12. Which of the following image processing approaches is the fastest, most accurate, and flexible?
- Photographic
  - Electronic
  - Digital
  - Optical
13. Which of the following is the next step in image processing after compression?
- Representation and description
  - Morphological processing
  - Segmentation
  - Wavelets
14. \_\_\_\_\_ determines the quality of a digital image.
- The discrete gray levels
  - The number of samples
  - discrete gray levels & number of samples
  - None of the mentioned

  
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15. Image processing involves how many steps?

- a) 7
- b) 8
- c) 13
- d) 10

2

16. Which of the following is the abbreviation of JPEG?

- a) Joint Photographic Experts Group
- b) Joint Photographs Expansion Group
- c) Joint Photographic Expanded Group
- d) Joint Photographic Expansion Group

17. Which of the following is the role played by segmentation in image processing?

- a) Deals with property in which images are subdivided successively into smaller regions
- b) Deals with partitioning an image into its constituent parts or objects
- c) Deals with extracting attributes that result in some quantitative information of interest
- d) Deals with techniques for reducing the storage required saving an image, or the bandwidth required transmitting it

18. The digitization process, in which the digital image comprises M rows and N columns, necessitates choices for M, N, and the number of grey levels per pixel, L. M and N must have which of the following values?

- a) M have to be positive and N have to be negative integer
- b) M have to be negative and N have to be positive integer
- c) M and N have to be negative integer
- d) M and N have to be positive integer

19. Which of the following tool is used in tasks such as zooming, shrinking, rotating, etc.?

- a) Filters
- b) Sampling
- c) Interpolation
- d) None of the Mentioned

20. The effect caused by the use of an insufficient number of intensity levels in smooth areas of a digital image

- a) False Contouring
- b) Interpolation
- c) Gaussian smooth
- d) Contouring

21. What is the procedure done on a digital image to alter the values of its individual pixels known as?

- a) Geometric Spacial Transformation
- b) Single Pixel Operation
- c) Image Registration
- d) Neighbourhood Operations

22. Points whose locations are known exactly in the input and reference images are used in Geometric Spacial Transformation.

- a) Known points
- b) Key-points
- c) Réseau points
- d) Tie points

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23. \_\_\_\_\_ is a commercial use of Image Subtraction.

- a) MRI scan
- b) CT scan
- c) Mask mode radiography
- d) None of the Mentioned

24. Approaches to image processing that work directly on the pixels of incoming image work in

- a) Spatial domain
- b) Inverse transformation
- c) Transform domain
- d) None of the Mentioned

25. Which of the following in an image can be removed by using a smoothing filter?

- a) Sharp transitions of brightness levels
- b) Sharp transitions of gray levels
- c) Smooth transitions of gray levels
- d) Smooth transitions of brightness levels

  
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Name of the Student: M eenuatchi . A

Year/Sem: 1A

AU Register Number: 811220205024

### Value Added Course

“Application of Image Processing in Information Technology”

19  
25

#### MULTIPLE CHOICE QUESTIONS (25X1 = 25 Marks)

1. What is Digital Image Processing?

- a) It's an application that alters digital videos
- b) It's a software that allows altering digital pictures
- c) It's a system that manipulates digital medias
- d) It's a machine that allows altering digital images

2. Which of the following process helps in Image enhancement?

- a) Digital Image Processing
- b) Analog Image Processing
- c) Both a and b
- d) None of the above

3. Among the following, functions that can be performed by digital image processing is?


- a) Fast image storage and retrieval
- b) Controlled viewing
- c) Image reformatting
- d) All of the above

4. Which of the following is an example of Digital Image Processing?

- a) Computer Graphics
- b) Pixels
- c) Camera Mechanism
- d) All of the mentioned

5. What are the categories of digital image processing?

- a) Image Enhancement
- b) Image Classification and Analysis
- c) Image Transformation
- d) All of the mentioned

  
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6. How does picture formation in the eye vary from image formation in a camera?

- a) Fixed focal length
- b) Varying distance between lens and imaging plane
- c) No difference
- d) Variable focal length

7. What are the names of the various colour image processing categories?

- a) Pseudo-color and Multi-color processing
- b) Half-color and pseudo-color processing
- c) Full-color and pseudo-color processing
- d) Half-color and full-color processing

8. Which characteristics are taken together in chromaticity?

- a) Hue and Saturation
- b) Hue and Brightness
- c) Saturation, Hue, and Brightness
- d) Saturation and Brightness

9. Which of the following statement describe the term pixel depth?

- a) It is the number of units used to represent each pixel in RGB space
- b) It is the number of mm used to represent each pixel in RGB space
- c) It is the number of bytes used to represent each pixel in RGB space
- d) It is the number of bits used to represent each pixel in RGB space

10. The aliasing effect on an image can be reduced using which of the following methods?

- a) By reducing the high-frequency components of image by clarifying the image
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- c) By increasing the high-frequency components of image by blurring the image
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11. Which of the following is the first and foremost step in Image Processing?

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12. Which of the following image processing approaches is the fastest, most accurate, and flexible?

- a) Photographic
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13. Which of the following is the next step in image processing after compression?

- a) Representation and description
- b) Morphological processing
- c) Segmentation
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14. \_\_\_\_\_ determines the quality of a digital image.

- a) The discrete gray levels
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- c) discrete gray levels & number of samples
- d) None of the mentioned

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16. Which of the following is the abbreviation of JPEG?
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- Deals with property in which images are subdivided successively into smaller regions
  - Deals with partitioning an image into its constituent parts or objects
  - Deals with extracting attributes that result in some quantitative information of interest
  - Deals with techniques for reducing the storage required saving an image, or the bandwidth required transmitting it
18. The digitization process, in which the digital image comprises  $M$  rows and  $N$  columns, necessitates choices for  $M$ ,  $N$ , and the number of grey levels per pixel,  $L$ .  $M$  and  $N$  must have which of the following values?
- $M$  have to be positive and  $N$  have to be negative integer
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19. Which of the following tool is used in tasks such as zooming, shrinking, rotating, etc.?
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20. The effect caused by the use of an insufficient number of intensity levels in smooth areas of a digital image
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23. \_\_\_\_\_ is a commercial use of Image Subtraction.

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- c) Mask mode radiography
- d) None of the Mentioned

24. Approaches to image processing that work directly on the pixels of incoming image work in

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Name of the Student:

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## Value Added Course

**“Application of Image Processing in Information Technology”**

### MULTIPLE CHOICE QUESTIONS (25X1 = 25 Marks)

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### Value Added Course

**“Application of Image Processing in Information**

#### ANSWER KEY

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

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VAC Coordinator



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**Department of Information Technology**

**Academic Year 2022-2023 – Even Semester**

**VALUE ADDED COURSE ASSESMENT SHEET**

  
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Principal

Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
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**“Application of Image Processing in Information Technology”**

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	Aravindhana R	IV/IT	27	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	27	92	17	68	80
7	811219205008	Libia Pojathslyu C	IV/IT	27	100	18	72	86
8	811219205009	Mageshwaran M	IV/IT	24	83	17	68	76
9	811219205011	Ranjith M	IV/IT	24	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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				No. of hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
12	811219205014	Shobana K	IV/IT	27	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	27	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	27	92	17	68	80
19	811219205021	Visalini P	IV/IT	24	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	27	92	17	68	80

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31	811220205015	Hemalatha G	III/IT	30	100	20	80	90
32	811220205016	Jeeva M	III/IT	24	83	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	30	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	24	80	21	84	82
54	811220205045	Sushmeetha A	III/IT	27	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	Vaibhavlaxmi L	III/IT	27	80	20	80	80
62	811220205304	Vengatesan M	III/IT	27	90	21	84	87
63	811221205001	Angel Ebsiba.A	II/IT	30	100	20	80	90

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

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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	Attendance Details	Attendance Details	VAC-MCQ TEST	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)	
64	811221205003	Asarudheen.K	II/IT	30	92	17	68	87
65	811221205004	Barakkath Nisha.S	II/IT	30	100	20	80	90
66	811221205005	Brundha.P	II/IT	27	83	15	60	72
67	811221205009	Dinesh.M	II/IT	30	100	19	76	88
68	811221205010	Gnanasamuel.A	II/IT	30	100	22	88	94
69	811221205013	Jai Surya.K	II/IT	30	92	18	72	82
70	811221205014	Jenani.R	II/IT	30	92	17	68	80
71	811221205015	Kannan.M	II/IT	30	100	18	72	86
72	811221205016	Karthik Raja.M	II/IT	27	83	17	68	76
73	811221205017	Kavin.J	II/IT	30	92	16	64	78
74	811221205018	Kayathri.S	II/IT	30	92	16	64	78
75	811221205019	Kishore.M	II/IT	30	100	20	80	90
76	811221205020	Lalitha.K	II/IT	30	92	20	80	86
77	811221205021	Madhan.S	II/IT	30	100	20	80	90
78	811221205022	Manikandana.M	II/IT	24	83	15	60	72
79	811221205023	Mohamed Anas.J	II/IT	30	100	19	76	88
80	811221205024	Mohamed Aslam.S	II/IT	30	100	22	88	94
81	811221205025	Monika Sri.B	II/IT	27	92	18	72	82
82	811221205029	Prasanna.M	II/IT	24	92	17	68	80
83	811221205032	Santhosh Kumar.P	II/IT	24	92	17	68	80
84	811221205033	Sathish Kannan.S	II/IT	30	100	20	80	90
85	811221205034	Sebasthian.S	II/IT	27	83	15	60	72
86	811221205035	Stephen.S	II/IT	30	100	19	76	88
87	811221205036	Subhashini.M	II/IT	24	92	17	68	80
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

VAC Coordinator

HOD/IT



# Indra Ganesan

## COLLEGE OF ENGINEERING

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### CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. ....**Surya.A**..... of  
.....IV-IT..... has successfully completed the Value Added  
Course on “**Application of ImageProcessing in Information Technology**” organized by  
Department of InformationTechnology and IQAC of our Institution in Association with Uniq  
Technologies from 28th MARCH 2023 to 1st APRIL 2023 (5days) during the Academic year  
2022-2023

**Mr. Azmann, Managing Director**

**Uniq Technologies**

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

Principal

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**Principal**

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**CERTIFICATE OF PARTICIPATION**

This is to certify that Mr/Ms. ....**Jeeva.M**..... of  
 .....III-IT..... has successfully completed the Value Added  
 Course on “**Application of Image Processing in Information Technology**” organized by  
 Department of Information Technology and IQAC of our Institution in Association with Uniq  
 Technologies from 28th MARCH 2023 to 1st APRIL 2023 (5days) during the Academic year  
 2022-2023.

*Azmann*  
**Mr. Azmann, Managing Director**  
**Uniq Technologies**

*[Signature]*  
**Dr. G. Balakrishnan, M.E., Ph.D.**  
 Principal  
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*[Signature]*  
**Principal**  
**IGCE**



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## CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. ....**Kavin.J**..... of  
.....II-IT..... has successfully completed the Value Added  
Course on “**Application of ImageProcessing in Information Technology**” organized by  
Department of InformationTechnology and IQAC of our Institution in Association with Uniq  
Technologies from 28th MARCH 2023 to 1st APRIL 2023 (5days) during the Academic year  
2022-2023.

**Mr. Azmann, Managing Director  
Uniq Technologies**

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**Principal  
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