



# SRI BHARATHI

ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)  
Kaikkurichi, Pudukkottai -622 303

[www.sbec.edu.in](http://www.sbec.edu.in)

## NAAC DOCUMENTS



Quality Indicator Frame Work

Criterion – 1

CURRICULAR ASPECTS

Submitted by

**IQAC**

**Internal Quality Assurance Cell**

Sri Bharathi Engineering College for Women



**SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN**  
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25  
**KAIKKURUCHI, PUDUKOTTAI – 622 303**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**ACADEMIC YEAR 2020-2021/ EVEN 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**

<b>VAC Title:</b>	DEEP LEARNING TECHNIQUE WITH ITS ALGORITHMS					
<b>Resource Person:</b>	Resource Person 1 : Mr. Prem Kumar B.E., Master Trainer NOTUS soft solutions			Resource Person 2 : Ms.R.Karpagam B.E., Master Trainer NOTUS soft solutions		
<b>Date of conduct from :</b>	26.04.2021	<b>To:</b>	30.04.2021	<b>Duration:</b>	30 Hours	
<b>Organized Department :</b>	COMPUTER AND SCIENCE ENGINEERING					
<b>Participant Year:</b>	2,3(CSE) & 4(CSE& IT)	<b>Semester:</b>	EVEN	<b>No. of Students Registered :</b>	78	
<b>Venue:</b>	<a href="https://meet.google.com/qsh-utud-qdt">https://meet.google.com/qsh-utud-qdt</a>					

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2020-2021 / EVEN SEMESTER

Date: 20 / 04 / 2021

### DEPARTMENT CIRCULAR

A Value added course on “Deep Learning Technique with its Algorithms” will be conducted by NOTUS soft solutions, Pudukkottai for all Second year, Third year, Final Year CSE students and also for all Final Year IT students from 26/04/2021 to 30/04/2021 through online. Certificates will be issued to eligible participants at the end of the course.

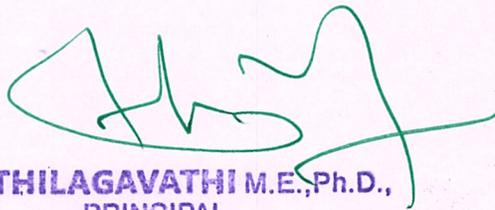
S.No.	Name of the Course	Resource Person
1.	Deep Learning Technique with its Algorithms	<b>Resource Person 1 :</b> Mr.Prem Kumar B.E Master Trainer NOTUS soft solutions <b>Resource Person 2 :</b> Ms.R.Karpagam B.E Master Trainer NOTUS soft solutions

CC:

- Principal's office
- IQAC Coordinator
- Class In charges –II,III,IV year
- CSE Students – II,III,IV year
- IT Students – III,IV year
- Notice Board

  
HOD/CSE

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COLLEGE FOR WOMEN  
KAIKKURICHI,  
PUDUKKOTTAI - 622 303

  
Dr. S.THILAGAVATHI M.E.,Ph.D.,  
PRINCIPAL

SRI BHARATHI ENGINEERING  
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ACADEMIC YEAR 2020-2021 / EVEN SEMESTER

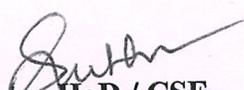
Value Added Course on “Deep Learning Technique with its Algorithms”

### SYLLABUS

S.NO	TOPIC COVERED	DURATION (in hours)	DATE FN/AN
1	Introduction to Neural Nets - - Training a network: loss functions, back propagation and stochastic gradient descent	3	26.04.2021
2	A Probabilistic Theory of Deep Learning- Backpropagation and regularization batch normalization- VC Dimension and Neural Nets-Deep Vs Shallow Networks	3	26.04.2021
3	Convolutional Networks- Architectures, convolution / pooling layers, Generative Adversarial Networks (GAN), Recurrent Neural Networks	3	27.04.2021
4	LSTM, GRU, Encoder Decoder architectures, Deep Unsupervised Learning	3	27.04.2021
5	Linear (PCA, LDA) and manifolds, metric learning - Auto encoders and dimensionality reduction in networks - Introduction to Convnet - Architectures –	3	28.04.2021
6	AlexNet, VGG, Inception, ResNet - Training a Convnet: weights initialization, batch normalization, hyperparameter optimization.	3	28.04.2021
7	Optimization in deep learning– Non-convex optimization for deep networks- Stochastic Optimization Generalization in neural networks- -	3	29.04.2021
8	Spatial Transformer Networks- Recurrent networks, LSTM Recurrent Neural Network Language Models	3	29.04.2021
9	Word-Level RNNs & Deep Reinforcement Learning - Computational & Artificial Neuroscience.	3	30.04.2021
10	Image net- Detection-Audio Wave Net-Natural Language Processing Word2Vec - Joint Detection Bioinformatics	3	30.04.2021
<b>Total Hours :</b>		<b>30</b>	

VAC Coordinator

  
Dr. S. THILAGAVATHI M.E., Ph.D.,  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
Kaikkurichi - 622 303, Pudukkottai, TN.

  
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**ACADEMIC YEAR 2020-2021 / EVEN SEMESTER**

**Value Added Course on “Deep Learning Technique with its Algorithms”**

**STUDENTS PARTICIPATION LIST-VAC PROGRAM**

S.NO	REG.NO	NAME OF THE STUDENT	YEAR/BRANCH
1	912617104001	ADAIKKALAJAYASRI J	IV / CSE
2	912617104002	AKILA S	IV / CSE
3	912617104003	BAVANI V	IV / CSE
4	912617104005	INDUMATHI S	IV / CSE
5	912617104006	KARTHIKA S	IV / CSE
6	912617104007	KAYATHRI K	IV / CSE
7	912617104008	MULLAIYARASI R	IV / CSE
8	912617104009	NISHADEVI G	IV / CSE
9	912617104010	PARAMESHWARI S	IV / CSE
10	912617104011	PERIYANAYAGI M	IV / CSE
11	912617104012	PRIYADARSHINI S	IV / CSE
12	912617104013	PRIYADHARSHINI C	IV / CSE
13	912617104014	PRIYATHARSHINI V	IV / CSE
14	912617104015	RIZWANA PARVEEN Z	IV / CSE
15	912617104017	SEETHALAKSHMI S	IV / CSE
16	912617104018	VAHINI D	IV / CSE
17	912617104019	VINOTHA P	IV / CSE
18	912617104301	JAYA PREETHA C	IV / CSE
19	912617104302	RAJA LAKSHMI R	IV / CSE
20	912617104303	SANGEETHA S	IV / CSE

Dr. S. THILAGAVATHI M.E., Ph.D.,

PRINCIPAL

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Kaikkurichi - 622 303, Pudukkottai, Tamil Nadu

21	912617104701	NAVINA N	IV / CSE
22	912617205001	ANUSHIYA T	IV / IT
23	912617205002	GAYADHRI S	IV / IT
24	912617205003	KALAIVANI K	IV / IT
25	912617205004	MARYSELCIYA S	IV / IT
26	912617205005	MERCY KIRUBA C	IV / IT
27	912617205006	RUPASRI M	IV / IT
28	912617205007	SHANMATHI S	IV / IT
29	912617205008	VINODHINI M	IV / IT
30	912617205301	HEMALATHA A	IV / IT
31	912618104001	ABIRAMI S	III / CSE
32	912618104002	AKILA P	III / CSE
33	912618104003	BUVANESHWARI S	III / CSE
34	912618104004	EVANJELIN S	III / CSE
35	912618104005	FEFINA I	III / CSE
36	912618104007	GOWSALYA A	III / CSE
37	912618104011	JAYANTHINI T	III / CSE
38	912618104012	KAVIYASELVI K	III / CSE
39	912618104013	KOWSALYA S	III / CSE
40	912618104014	LAKSHMI N	III / CSE
41	912618104015	LAKSHMI PRABHA M	III / CSE
42	912618104017	MALA S	III / CSE
43	912618104018	MAMTHA G	III / CSE
44	912618104019	NIRANJANADEVI C	III / CSE
45	912618104020	NIVEDHA M	III / CSE
46	912618104021	NIVETHA G	III / CSE
47	912618104022	PRIYADHARSHINI R	III / CSE

**Dr. S. THILAGAVATHI M.E., Ph.D.**

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48	912618104023	PRIYAVATHANI A	III / CSE
49	912618104024	PUVIYARASI S	III / CSE
50	912618104025	RASMI J	III / CSE
51	912618104026	ROSLINA BEGUM R	III / CSE
52	912618104027	SINDHU V	III / CSE
53	912618104028	SIVASANGAVI A	III / CSE
54	912618104029	SURUTHIKA S	III / CSE
55	912618104031	SUSHMEENA K	III / CSE
56	912619104001	ANNAPOORANI M	II / CSE
57	912619104003	ARUNNAVAMEENA A	II / CSE
58	912619104004	DAYANA P	II / CSE
59	912619104005	DHARSHINI D	II / CSE
60	912619104007	FAHMIDHA B	II / CSE
61	912619104009	GULNAS FATHIMA S	II / CSE
62	912619104010	HELAN J	II / CSE
63	912619104011	KEERTHANA R	II / CSE
64	912619104012	MUTHULAKSHMI G	II / CSE
65	912619104013	MUTHU MEENAKSHI M	II / CSE
66	912619104014	NIROSHIKA R	II / CSE
67	912619104017	PARAMESHWARI S	II / CSE
68	912619104019	RANJANI K	II / CSE
69	912619104020	RILWANA PARVEEN J	II / CSE
70	912619104021	ROOPINA R	II / CSE
71	912619104022	SANDHIYA B	II / CSE
72	912619104023	SANTHI D	II / CSE
73	912619104024	SARANYA C	II / CSE
74	912619104027	SNEHA R	II / CSE

Dr. S. THILAGAVATHI M.E., Ph.D.,

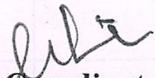
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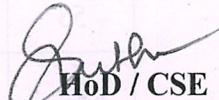
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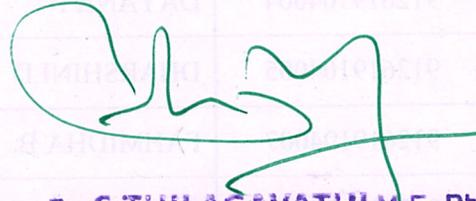
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Kaikkurch - 322 003, Puducherry

75	912619104029	SURIYA JOTHI S	II / CSE
76	912619104301	ABINAYA S	II / CSE
77	912619104302	GAYATHRIDEVI M	II / CSE
78	912619104501	ISWARYA C	II / CSE

  
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SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
KAIKKURICHI,  
PUDUKKOTTAI - 622 303.



Dr. S. THILAGAVATHI M.E., Ph.D.,  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
Kalkkurchi - 622 303, Pudukkottai Dt.



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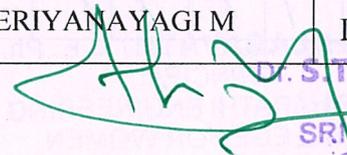
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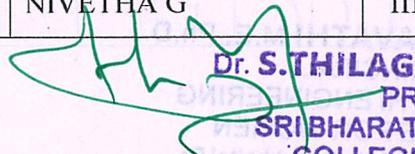
S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	DATE 26.04.21		DATE 27.04.21		DATE 28.04.21		DATE 29.04.21		DATE 30.04.21		NO OF SESSIONS ATTENDED
				FN	AN									
1	912617104001	ADAIKKALAJAYASRI J	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
2	912617104002	AKILA S	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
3	912617104003	BAVANI V	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
4	912617104005	INDUMATHI S	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
5	912617104006	KARTHIKA S	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
6	912617104007	KAYATHRI K	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
7	912617104008	MULLAIYARASI R	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
8	912617104009	NISHADEVI G	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
9	912617104010	PARAMESHWARI S	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
10	912617104011	PERIYANAYAGI M	IV / CSE	/	/	/	/	/	/	/	/	/	/	10

  
 D. STHILAGAVATHI M.E., Ph.D.,  
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11	912617104012	PRIYADARSHINI S	IV / CSE	a	a	/	/	/	/	/	/	/	/	08
12	912617104013	PRIYADHARSHINI C	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
13	912617104014	PRIYATHARSHINI V	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
14	912617104015	RIZWANA PARVEEN Z	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
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17	912617104019	VINOTHA P	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
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19	912617104302	RAJA LAKSHMI R	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
20	912617104303	SANGEETHA S	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
21	912617104701	NAVINA N	IV / CSE	/	/	/	/	/	/	/	/	/	/	10
22	912617205001	ANUSHIYA T	IV / IT	/	/	/	/	/	/	/	/	/	/	10
23	912617205002	GAYADHRI S	IV / IT	/	/	/	/	/	/	/	/	/	/	10
24	912617205003	KALAIVANI K	IV / IT	/	/	/	/	/	/	/	/	/	/	10
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27	912617205006	RUPASRI M	IV / IT	/	/	/	/	/	/	/	/	/	/	10
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29	912617205008	VINODHINI M	IV / IT	/	/	/	/	/	/	/	/	/	/	/	10
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42	912618104017	MALA S	III / CSE	/	/	/	/	/	/	/	/	/	/	/	10
43	912618104018	MAMTHA G	III / CSE	/	/	/	/	/	/	/	/	/	/	/	10
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46	912618104021	NIVETHA G	III / CSE	/	/	/	/	/	/	/	/	/	/	/	10

  
**Dr. S. THILAGAVATHI M.E., Ph.D.,**  
 PRINCIPAL  
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47	912618104022	PRIYADHARSHINI R	III / CSE	/	/	/	/	/	/	/	/	/	/	/	10
48	912618104023	PRIYAVATHANI A	III / CSE	/	/	/	/	/	/	/	/	/	/	/	10
49	912618104024	PUVIYARASI S	III / CSE	/	/	/	/	/	/	/	/	/	/	/	10
50	912618104025	RASMI J	III / CSE	/	/	/	/	/	/	/	/	/	/	/	10
51	912618104026	ROSLINA BEGUM R	III / CSE	/	/	/	/	/	/	/	/	/	/	/	10
52	912618104027	SINDHU V	III / CSE	/	/	/	/	/	/	/	/	/	/	/	10
53	912618104028	SIVASANGAVI A	III / CSE	/	/	/	/	a	a	/	/	/	/	/	08
54	912618104029	SURUTHIKA S	III / CSE	/	/	/	/	/	/	/	/	/	/	/	10
55	912618104031	SUSHMEENA K	III / CSE	/	/	/	/	/	/	/	/	/	/	/	10
56	912619104001	ANNAPOORANI M	II / CSE	/	/	/	/	/	/	/	/	/	/	/	10
57	912619104003	ARUNNAVAMEENA A	II / CSE	/	/	/	/	/	/	/	/	/	/	/	10
58	912619104004	DAYANA P	II / CSE	/	/	/	/	/	/	/	/	/	/	/	10
59	912619104005	DHARSHINI D	II / CSE	/	/	/	/	/	/	/	/	/	/	/	10
60	912619104007	FAHMIDHA B	II / CSE	/	/	/	/	/	/	/	/	/	/	/	10
61	912619104009	GULNAS FATHIMA S	II / CSE	/	/	/	/	/	/	/	/	/	/	/	10
62	912619104010	HELAN J	II / CSE	/	/	/	/	/	/	/	/	/	/	/	10
63	912619104011	KEERTHANA R	II / CSE	/	/	/	/	/	/	/	/	/	/	/	10
64	912619104012	MUTHULAKSHMI G	II / CSE	/	/	/	/	/	/	/	/	/	/	/	10

Dr. S. THILAGAVATHI M.E., Ph.D.,

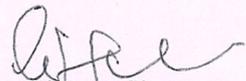
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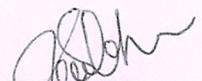
COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.

65	912619104013	MUTHU MEENAKSHI M	II / CSE	/	/	/	/	/	/	/	/	/	/	10
66	912619104014	NIROSHIKA R	II / CSE	/	/	/	/	/	/	/	/	/	/	10
67	912619104017	PARAMESHWARI S	II / CSE	/	/	/	/	/	/	/	/	/	/	10
68	912619104019	RANJANI K	II / CSE	/	/	/	/	/	/	/	/	/	/	10
69	912619104020	RILWANA PARVEEN J	II / CSE	/	/	/	/	/	/	/	/	/	/	10
70	912619104021	ROOPINA R	II / CSE	/	/	/	/	/	/	/	/	/	/	10
71	912619104022	SANDHIYA B	II / CSE	/	/	/	/	/	/	/	/	/	/	10
72	912619104023	SANTHI D	II / CSE	/	/	/	/	a	a	/	/	/	/	08
73	912619104024	SARANYA C	II / CSE	/	/	/	/	/	/	/	/	/	/	10
74	912619104027	SNEHA R	II / CSE	/	/	/	/	/	/	/	/	/	/	10
75	912619104029	SURIYA JOTHI S	II / CSE	/	/	/	/	/	/	/	/	/	/	10
76	912619104301	ABINAYA S	II / CSE	/	/	/	/	/	/	/	/	/	/	10
77	912619104302	GAYATHRIDEVI M	II / CSE	/	/	/	/	/	/	/	/	/	/	10
78	912619104501	ISWARYA C	II / CSE	/	/	/	/	/	/	/	/	/	/	10

  
VAC Coordinator

  
Dr. S.THILAGAVATHI M.E., Ph.D.,  
PRINCIPAL  
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(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)  
Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

## Report on Value Added Course

Title: Deep Learning Technique with its Algorithms

Resource Person:	<b>Resource Person 1 :</b> Mr. Prem Kumar B.E., Master Trainer NOTUS soft solutions	<b>Resource Person 2 :</b> Ms.R.Karpagam B.E., Master Trainer NOTUS soft solutions
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Date of conduct from :	26.04.2021	To:	30.04.2021	Duration:	30 Hours
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Organized Department : **COMPUTER SCIENCE AND ENGINEERING**

Participant Year:	2,3(CSE)& 4(CSE,IT)	Semester:	EVEN	No. of Students Registered :	78
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Venue: <https://meet.google.com/qsh-utud-qdt>

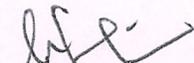
### Outcome of Value Added Course (VAC)

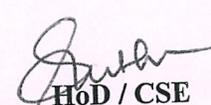
At the end of the VAC course the student can able to

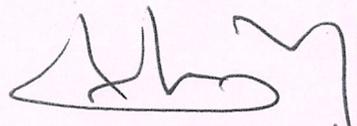
- Identify the deep learning algorithms which are more appropriate for various types of learning tasks in various domains.
- Implement deep learning algorithms and solve real-world problems.
- Introduce major deep learning algorithms, the problem settings, and their applications to solve real world problems.
- Explanation of algorithm to train the dataset.

### Assessment Process

- Students securing **more than 60% on total score** and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score =  $(0.5 * \text{Attendance in VAC out of 100 percentage} + 0.5 * \text{Test mark in VAC out of 100 marks})$

  
VAC Coordinator

  
HoD / CSE

  
Principal

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PUDUKKOTTAI DISTRICT

  
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Notus Soft Solution



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## Certificate of Completion

This is to certify that **Ms.G.NISHA DEVI** of IV CSE has completed her Value -  
added program regarding *Deep Learning with its  
Algorithm* for a period of 5 days from 26.04.2021 to 30.04.2021

*Authorised Signature*

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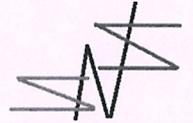
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## Certificate of Completion

This is to certify that **Ms.S.GAYATHRI** of IV IT has completed her Value -added program regarding *Deep Learning with its Algorithm* for a period of 5 days from 26.04.2021 to 30.04.2021

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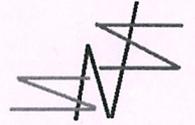
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## Certificate of Completion

This is to certify that **Ms.N.LAKSHMI** of III CSE has completed her Value -added program regarding *Deep Learning with its Algorithm* for a period of 5 days from 26.04.2021 to 30.04.2021

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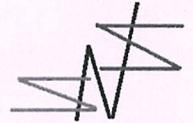
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## Certificate of Completion

This is to certify that **Ms.K.RANJANI** of **II CSE** has completed her Value -added program regarding *Deep Learning with its Algorithm* for a period of 5 days from 26.04.2021 to 30.04.2021

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2020-2021 / EVEN SEMESTER

Value Added Course on “Deep Learning Technique with its Algorithms”

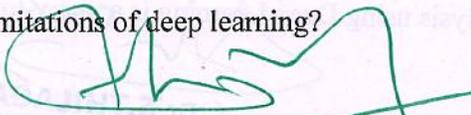
Name of the Student :

Year/Sem:

AU Register Number:

### MCQ QUESTIONS ( 25X1 = 25 Marks)

1. Flask is a web development framework created in \_\_\_\_\_ language.  
a) Numpy  
b) SciPy  
c) Deep Learning  
d) All of the above
2. How many layers Deep learning algorithms are constructed?  
a) 2  
b) 3  
c) 4  
d) 5
3. The first layer is called the?  
a) inner layer  
b) outer layer  
c) hidden layer  
d) None of the above
4. RNNs stands for?  
a) Receives neural networks  
b) Report neural networks  
c) Recording neural networks  
d) Recurrent neural networks
5. Which of the following is/are Common uses of RNNs?  
a) BusinessesHelp securities traders to generate analytic reports  
b) Detect fraudulent credit-card transaction  
c) Provide a caption for images  
d) All of the above
6. Which of the following is well suited for perceptual tasks?  
a) Feed-forward neural networks  
b) Recurrent neural networks  
c) Convolutional neural networks  
d) Reinforcement Learning
7. CNN is mostly used when there is an?  
a) structured data  
b) unstructured data  
c) Both A and B  
d) None of the above
8. Which neural network has only one hidden layer between the input and output?  
a) Shallow neural network  
b) Deep neural network  
c) Feed-forward neural networks  
d) Recurrent neural networks
9. Which of the following is/are Limitations of deep learning?

  
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- a) Data labeling  
b) Obtain huge training datasets
- c) Both A and B  
d) None of the above

10. Deep learning algorithms are \_\_\_\_\_ more accurate than machine learning algorithm in image classification.

- a) 33%  
b) 37%
- c) 40%  
d) 41%

11. In which of the following applications can we use deep learning to solve the problem?

- a) Protein structure prediction  
b) Prediction of chemical reactions
- c) Detection of exotic particles  
d) All of the above

12. Which of the following statements is true when you use  $1 \times 1$  convolutions in a CNN?

- a) It can help in dimensionality reduction  
b) It can be used for feature pooling
- c) It suffers less overfitting due to small kernel size  
d) All of the above

13. The number of nodes in the input layer is 10 and the hidden layer is 5. The maximum number of connections from the input layer to the hidden layer are

- a) 50  
b) less than 50
- c) more than 50  
d) It is an arbitrary value

14. The input image has been converted into a matrix of size  $28 \times 28$  and a kernel/filter of size  $7 \times 7$  with a stride of 1. What will be the size of the convoluted matrix?

- a)  $20 \times 20$   
b)  $21 \times 21$
- c)  $22 \times 22$   
d)  $25 \times 25$

15. In a simple MLP model with 8 neurons in the input layer, 5 neurons in the hidden layer and 1 neuron in the output layer. What is the size of the weight matrices between hidden output layer and input hidden layer?

- a)  $[1 \times 5]$ ,  $[5 \times 8]$   
b)  $[5 \times 1]$ ,  $[8 \times 5]$
- c)  $[8 \times 5]$ ,  $[5 \times 1]$   
d)  $[8 \times 5]$ ,  $[1 \times 5]$

16. Which of the following functions can be used as an activation function in the output layer if we wish to predict the probabilities of n classes ( $p_1, p_2, \dots, p_k$ ) such that sum of p over all n equals to 1?

- a) Softmax  
b) ReLu
- c) Sigmoid  
d) Tanh

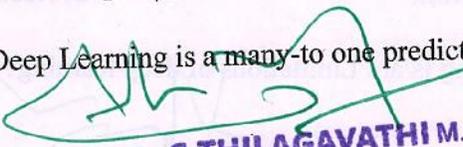
17. Assume a simple MLP model with 3 neurons and inputs = 1,2,3. The weights to the input neurons are 4,5 and 6 respectively. Assume the activation function is a linear constant value of 3. What will be the output ?

- a) 32  
b) 64
- c) 96  
d) 128

18. Which of the following would have a constant input in each epoch of training a Deep Learning model?

- a) Weight between input and hidden layer  
b) Weight between hidden and output layer
- c) Biases of all hidden layer neurons  
d) Activation function of output layer

19. Sentiment analysis using Deep Learning is a many-to one prediction task

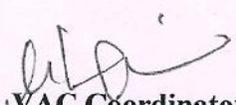
  
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- a) True  
b) False
- c) Can be true and false  
d) can not say
20. In CNN, having max pooling always decrease the parameters?  
a) True  
b) False  
c) Can be true and false  
d) Can not say
21. Sentiment analysis using Deep Learning is a many-to one prediction task  
a) True  
b) False  
c) Can be true and false  
d) Can not say
22. Assume a simple MLP model with 3 neurons and inputs= 1,2,3. The weights to the input neurons are 4,5 and 6 respectively. Assume the activation function is a linear constant value of 3. What will be the output ?  
a) 128  
b) 64  
c) 256  
d) 96
23. What is a Boltzman machine?  
a) A feedback network with hidden units  
b) A feed forward network with hidden units  
c) A feedback network with hidden units and probabilistic update  
d) A feed forward network with hidden units and probabilistic update
24. Which neural network has only one hidden layer between the input and output?  
a) Deep neural network  
b) Feed-forward neural networks  
c) Recurrent neural networks  
d) Shallow neural network
25. Deep learning algorithms are \_\_\_\_\_ more accurate than machine learning algorithms in image classification  
a) 0.37%  
b) 0.41%  
c) 33%  
d) 0.4%



Dr. S. THILAGAVATHI M.E., Ph.D.,  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
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WAC Coordinator



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Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2020-2021 / EVEN SEMESTER

Value Added Course on “Deep Learning Technique with its Algorithms”

### ANSWER KEY

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

  
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PRINCIPAL  
SRI BHARATHI ENGINEERING  
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Kaikkurichi - 622 303, Pudukkottai, Tamil Nadu, India

  
VAC Coordinator

SRI BHARATHI ENGINEERING COLLEGE  
FOR WOMEN

CSE

Name : Indumathi. s

Reg No : 91267104005

Year : IV

VAC - Deep learning  
Technique with its  
Algorithm.

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

24/25

*lisa*  
VAC Coordinator

**Dr. S. THILAGAVATHI M.E., Ph.D.,**  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
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SRI BHARATHI ENGINEERING COLLEGE  
FOR WOMEN

CSE

Name : Indumathi. S

Reg NO : 91267104005

Year : IV

VAC - Deep learning  
Technique with its  
Algorithm.

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

24/25

*[Signature]*  
VAC Coordinator

*[Signature]*  
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2020-2021 / EVEN SEMESTER

Value Added Course on “Deep Learning Technique with its Algorithms”

S.NO	REG.NO	NAME OF THE STUDENT	YEAR/ BRANCH	ATTENDANCE DETAILS		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No of Sessions Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
1	912617104001	ADAIKKALAJAYASRI J	IV / CSE	10	100	21	84	92
2	912617104002	AKILA S	IV / CSE	10	100	23	92	96
3	912617104003	BAVANI V	IV / CSE	10	100	19	76	88
4	912617104005	INDUMATHI S	IV / CSE	10	100	24	96	98
5	912617104006	KARTHIKA S	IV / CSE	10	100	18	72	86
6	912617104007	KAYATHRI K	IV / CSE	10	100	22	88	94

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7	912617104008	MULLAIYARASI R	IV / CSE	10	100	23	92	96
8	912617104009	NISHADEVI G	IV / CSE	10	100	19	76	88
9	912617104010	PARAMESHWARI S	IV / CSE	8	80	21	84	92
10	912617104011	PERIYANAYAGI M	IV / CSE	10	100	22	88	94
11	912617104012	PRIYADARSHINI S	IV / CSE	8	80	22	88	84
12	912617104013	PRIYADHARSHINI C	IV / CSE	10	100	24	96	98
13	912617104014	PRIYATHARSHINI V	IV / CSE	10	100	23	92	96
14	912617104015	RIZWANA PARVEEN Z	IV / CSE	10	100	23	92	96
15	912617104017	SEETHALAKSHMI S	IV / CSE	10	100	21	84	92
16	912617104018	VAHINI D	IV / CSE	10	100	20	80	90
17	912617104019	VINOTHA P	IV / CSE	10	100	19	76	88
18	912617104301	JAYA PREETHA C	IV / CSE	10	100	18	72	86
19	912617104302	RAJA LAKSHMI R	IV / CSE	10	100	18	72	86
20	912617104303	SANGEETHA S	IV / CSE	10	100	21	84	92

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21	912617104701	NAVINA N	IV / CSE	10	100	23	92	96
22	912617205001	ANUSHIYA T	IV / IT	10	100	22	88	94
23	912617205002	GAYADHRI S	IV / IT	10	100	21	84	92
24	912617205003	KALAIVANI K	IV / IT	10	100	18	72	86
25	912617205004	MARYSELCIYA S	IV / IT	10	100	21	84	92
26	912617205005	MERCY KIRUBA C	IV / IT	10	100	22	88	94
27	912617205006	RUPASRI M	IV / IT	10	100	21	84	92
28	912617205007	SHANMATHI S	IV / IT	10	100	19	76	88
29	912617205008	VINODHINI M	IV / IT	10	100	22	88	94
30	912617205301	HEMALATHA A	IV / IT	10	100	24	96	98
31	912618104001	ABIRAMI S	III / CSE	10	100	24	96	98
32	912618104002	AKILA P	III / CSE	10	100	21	84	92
33	912618104003	BUVANESHWARI S	III / CSE	8	80	23	92	86
34	912618104004	EVANJELIN S	III / CSE	10	100	22	88	94

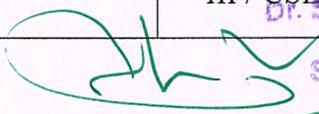
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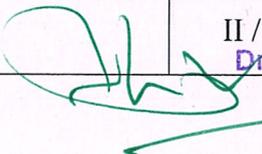
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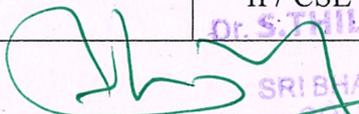
35	912618104005	FEFINA I	III / CSE	10	100	22	88	94
36	912618104007	GOWSALYA A	III / CSE	10	100	21	84	92
37	912618104011	JAYANTHINI T	III / CSE	8	80	21	84	82
38	912618104012	KAVIYASELVI K	III / CSE	10	100	24	96	98
39	912618104013	KOWSALYA S	III / CSE	10	100	23	92	96
40	912618104014	LAKSHMI N	III / CSE	10	100	22	88	94
41	912618104015	LAKSHMI PRABHA M	III / CSE	10	100	23	92	96
42	912618104017	MALA S	III / CSE	10	100	21	84	92
43	912618104018	MAMTHA G	III / CSE	10	100	19	76	88
44	912618104019	NIRANJANADEVIC	III / CSE	8	80	21	84	82
45	912618104020	NIVEDHA M	III / CSE	10	100	23	92	96
46	912618104021	NIVETHA G	III / CSE	10	100	24	96	98
47	912618104022	PRIYADHARSHINI R	III / CSE	10	100	18	72	86
48	912618104023	PRIYAVATHANI A	III / CSE	10	100	19	76	88

  
**DR. S. THILAGAVATHI M.E., Ph.D.,**  
 PRINCIPAL  
 SRI BHARATHI ENGINEERING  
 COLLEGE FOR WOMEN  
 Kalkkuraji - 622 303, Pudukkottai Dt.

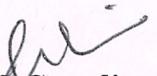
49	912618104024	PUVIYARASI S	III / CSE	10	100	18	72	86
50	912618104025	RASMI J	III / CSE	10	100	19	76	88
51	912618104026	ROSLINA BEGUM R	III / CSE	10	100	21	84	92
52	912618104027	SINDHU V	III / CSE	10	100	24	96	98
53	912618104028	SIVASANGAVI A	III / CSE	8	80	23	92	86
54	912618104029	SURUTHIKA S	III / CSE	10	100	24	96	98
55	912618104031	SUSHMEENA K	III / CSE	10	100	21	84	92
56	912619104001	ANNAPOORANI M	II / CSE	10	100	18	72	86
57	912619104003	ARUNNAVAMEENA A	II / CSE	10	100	19	76	88
58	912619104004	DAYANA P	II / CSE	10	100	21	84	92
59	912619104005	DHARSHINI D	II / CSE	10	100	20	80	90
60	912619104007	FAHMIDHA B	II / CSE	10	100	19	76	88
61	912619104009	GULNAS FATHIMA S	II / CSE	10	100	22	88	94
62	912619104010	HELAN J	II / CSE	10	100	23	92	96

  
**DR. S. THILAGAVATHI M.E., Ph.D.,**  
 PRINCIPAL  
 SRIBHARATHI ENGINEERING  
 COLLEGE FOR WOMEN  
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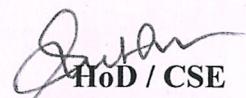
63	912619104011	KEERTHANA R	II / CSE	10	100	22	88	94
64	912619104012	MUTHULAKSHMI G	II / CSE	10	100	23	92	96
65	912619104013	MUTHU MEENAKSHI M	II / CSE	10	100	22	88	94
66	912619104014	NIROSHIKA R	II / CSE	10	100	23	92	96
67	912619104017	PARAMESHWARI S	II / CSE	10	100	21	84	92
68	912619104019	RANJANI K	II / CSE	10	100	24	96	98
69	912619104020	RILWANA PARVEEN J	II / CSE	10	100	23	92	96
70	912619104021	ROOPINA R	II / CSE	10	100	22	88	94
71	912619104022	SANDHIYA B	II / CSE	10	100	24	96	98
72	912619104023	SANTHI D	II / CSE	8	80	22	88	84
73	912619104024	SARANYA C	II / CSE	10	100	21	84	92
74	912619104027	SNEHA R	II / CSE	10	100	22	88	94
75	912619104029	SURIYA JOTHI S	II / CSE	10	100	21	84	92
76	912619104301	ABINAYA S	II / CSE	10	100	22	88	94

  
 Dr. S. THILAGAVATHI M.E., Ph.D.,  
 PRINCIPAL  
 SRI BHARATHI ENGINEERING  
 COLLEGE FOR WOMEN  
 Kalakkuroli - 622 303, Pudukkottai DL.

77	912619104302	GAYATHRIDEVI M	II / CSE	10	100	21	84	92
78	912619104501	ISWARYA C	II / CSE	10	100	23	92	96

  
VAC Coordinator

  
Dr. S.THILAGAVATHI M.E., Ph.D.,  
PRINCIPAL  
SRI BHARATHI ENGINEERING  
COLLEGE FOR WOMEN  
Kaikkurchi - 622 303, Pudukkottai Dt.

  
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