



**Department of Computer Science & Engineering**

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**One day National webinar  
report on  
" DEEP LEARNING AND ITS APPLICATIONS"  
Organized by**

**Department of Computer Science & Engineering in Association with Institute of Electrical and  
Electronics Engineers [IEEE] and Computer Society of India [CSI],  
09-10-2021(Saturday), 10.15AM to 12.15PM**

**Submitted by:** Dr K Saravanan, Associate Professor, Dept. of CSE

**Resource Person:** Dr. R.M Bhavadharini, Associate Professor, CSE, SRM Easwari Engineering  
College, Chennai.

**Attended:** III B-Tech students, Faculties of our institution (Total Number: 151)

**Mode:** Microsoft Team

The one-day national webinar session was started at 10.00 AM. The Workshop was initiated by  
Dr. R. Kalpana, HOD-CSE Department. The resource person **Dr. R.M Bhavadharini**, was  
introduced by Dr.K Saravanan, Dept. of CSE. The resource person addressed the gathering about  
Deep Learning and ITS Applications – Overview

1. Speaker gave introduction about Artificial Intelligence, Machine Learning and Deep Learning
2. She discussed some of the AI Applications such as chatbots, google predictive searches, music recommendations etc.
3. Speaker, has clearly explained the difference between AI, ML and DL
4. She classified the tools and languages used for machine learning
5. Speaker also briefed about deep learning and classification of filters and kernels



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (UGC-AUTONOMOUS)



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### Invitation:

	<p><b>MADANAPALLE INSTITUTE OF TECHNOLOGY &amp; SCIENCE</b> (UGC AUTONOMOUS) (World Bank funded Institute, First Recognized Research Centre under JNTUA) (Accredited by NBA, NAAC with A+, Affiliated to JNTUA, Anantapuramu &amp; Approved by AICTE, New Delhi) An ISO 9001: 2008 Certified Institution P.B.No. 14, Angallu, Madanapalle-517325, Chittoor Dist., A.P. Ph:08571-280255; Fax:08571-280433</p>
<p>The Management, Staffs and Students Cordially Solicit your Gracious Presence</p>	
<p><b>WEBINAR ON DEEP LEARNING AND ITS APPLICATIONS</b></p>	
	<p>Jointly Organized by</p>
<p><b>DEPARTMENT OF COMPUTER SCIENCE &amp; ENGINEERING</b></p>	
	<p><b>Speaker : Dr. R.M Bhavadharini,</b> <b>Associate Professor, CSE</b> <b>SRM Easwari Engineering College</b> <b>09 th October 2021</b> <b>10.15 AM – 12.15PM</b></p>
<p><b>Chief Patron</b> <b>Dr. N.Vijaya Bhaskar Choudary, Ph.D</b> Secretary &amp; Correspondent</p>	<p><b>Chief Co-ordinator</b> <b>Dr. C. Yuvaraj, Ph.D</b> Principal</p>
<p><b>Co-ordinator</b> <b>Dr R Kalpana, HoD-CSE</b></p>	<p><b>Convener</b> <b>Dr K Saravanan</b></p>



**Department of Computer Science & Engineering**

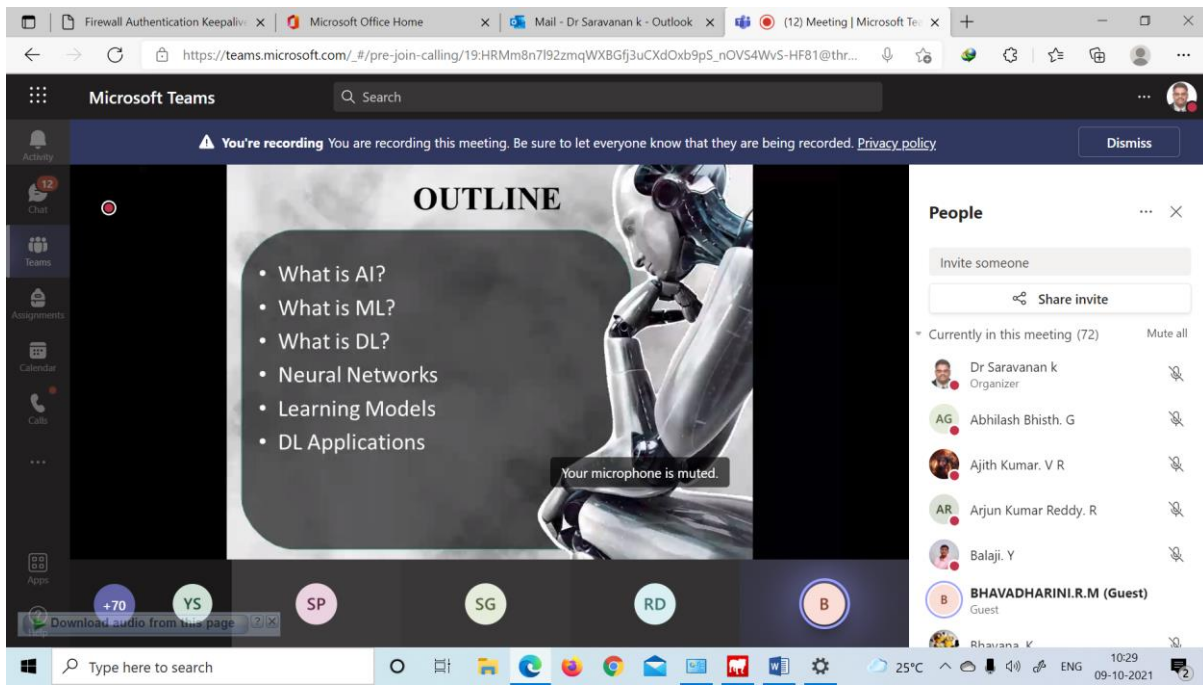
**Resource Profile:**

Dr R.M Bhavadharini Associate Professor SRM EASwari Engineering college, Chennai who is the speaker of today's session and the topic is [Deep Learning and its Applications](#).

Dr R.M Bhavadharini has specialized in the domain of Mobile Adhoc Networks at Anna University, Chennai for obtaining Ph.D. She has done her B.Tech in CSE and M.Tech in CSE VLB Janakiammal, Coimbatore affiliated to Anna University.

His research interest spans across Wireless communication, Internet of Things, Artificial Intelligence and Machine Learning in particular. She has published many articles (20) articles in referred journals and conferences. She also has published a patent "BLOCKCHAIN BASED IOT CONSENSUS PROTOCOL FOR SMART HOME"

**Event Photos:**





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The screenshot shows a Microsoft Teams meeting interface. The main content area displays a slide titled "AI Applications" with the following bullet points:

- Email Filters in Gmail(Spam/Not Spam)
- Smart Replies in mail
- LinkedIn
- Pinterest(Pinterest's LENS tool uses AI to identify objects in images. Take a picture of that beautiful maple dining set at your friend's house using Pinterest's LENS tool, and its AI-driven feature will help find similar tables.)

The meeting controls at the bottom show a timer at 22:17 and several participant icons. The right-hand sidebar shows a list of participants, including BHAVADHARINI.R.M (Guest) and others.

The screenshot shows a Microsoft Teams meeting interface. The main content area displays a slide titled "AI IS REAL!" with a sub-heading "Prosthetic Limbs". The slide features an image of a prosthetic arm and a futuristic humanoid figure. Below the image, the text reads:

**Mind-controlled prosthetic arm :**  
The user controls the arm through existing nerves and it is sensitive enough to pick up even a piece of paper!

The meeting controls at the bottom show a timer at 10:46 and several participant icons. The right-hand sidebar shows a list of participants, including BHAVADHARINI.R.M (Guest) and others.



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**Machine Learning**

Machine learning is a field of computer science that gives computers the ability to **learn without being explicitly programmed**

Flowchart: Labeled Data → Machine Learning algorithm → Learned model → Prediction

Methods that can learn from an

**What is Deep Learning?**

- A subfield of machine learning that learns **representations** of data. Exceptional effective at **learning patterns**.
- Deep learning algorithms attempt to learn (multiple levels of) representation by using a **hierarchy of multiple layers**
- If you provide the system **tons of information**, it begins to understand it and respond in useful ways.

### FEEDBACK ANALYSIS

#### Feedback of one day national webinar on “Deep Learning and its Applications “

Name of the Guest Speaker: Dr R.M Bhavadharini Associate Professor SRM EASwari Engineering college, Chennai

Organized by Dept. of CSE, IEEE and CSI MITS, Madanapalle Institute of Technology and Science.



**Department of Computer Science & Engineering**

Faculty convenor: Dr K.Saravanan, CSE, MITS

Link:

[https://teams.microsoft.com/l/meetup-join/19%3aHRMm8n7192zmqWXBGfj3uCXdOxb9pS\\_nOVS4WvS-HF81%40thread.tacv2/1633495049142?context=%7b%22Tid%22%3a%22b637c4f6-57b7-44dc-bce4-fec0cd202460%22%2c%22Oid%22%3a%22e6191b40-ec9b-4464-b6d2-b9c0a5bd0718%22%7d](https://teams.microsoft.com/l/meetup-join/19%3aHRMm8n7192zmqWXBGfj3uCXdOxb9pS_nOVS4WvS-HF81%40thread.tacv2/1633495049142?context=%7b%22Tid%22%3a%22b637c4f6-57b7-44dc-bce4-fec0cd202460%22%2c%22Oid%22%3a%22e6191b40-ec9b-4464-b6d2-b9c0a5bd0718%22%7d)

**Feedback**

The screenshot displays a Microsoft Forms interface for a survey titled "Feedback Form - Deep Learning and its Applications". The survey is saved and has 105 responses. The results are shown for three questions:

Question	Number of Responses	Average Rating
4. Content Sequence and Flow	105	4.54
5. Overall content delivery	105	4.53
6. Overall learning experience	105	4.53

The interface includes navigation options like "Preview", "Theme", and "Share". The user's name, "Dr Saravanan k", is visible in the top right corner. The Windows taskbar at the bottom shows the time as 1:46 PM on 10/9/2021.



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### List of Participants:

Sl.No	Candidates Attended	User Action	TimeStamp
1	Md. Pavan Kumar	Joined	10/9/2021, 10:14:19 AM
2	Sukanya. G	Joined	10/9/2021, 10:14:56 AM
3	BHAVADHARINI.R.M (Guest)	Joined	10/9/2021, 10:14:57 AM
4	Sindhu Yadav. P	Joined	10/9/2021, 10:14:57 AM
5	Vineela. T	Joined	10/9/2021, 10:14:57 AM
6	Tejaswi. K	Joined	10/9/2021, 10:15:00 AM
7	Vijaya Prakash. B	Joined	10/9/2021, 10:15:01 AM
8	Sasi Supraja. M	Joined	10/9/2021, 10:15:04 AM
9	Triveni . N	Joined	10/9/2021, 10:15:06 AM
10	Yasaswini. S	Joined	10/9/2021, 10:15:06 AM
11	Bhavana. K	Joined	10/9/2021, 10:15:12 AM
12	Sai Mounika. A	Joined	10/9/2021, 10:15:18 AM
13	Vaishnavi. M	Joined	10/9/2021, 10:15:30 AM
14	Venkata Krishna Sree. K	Joined	10/9/2021, 10:15:33 AM
15	Sravani. B	Joined	10/9/2021, 10:15:34 AM
16	Venkata Sreelakshmi. G	Joined	10/9/2021, 10:15:36 AM
17	Sushmitha. R	Joined	10/9/2021, 10:15:36 AM
18	Rakshitha. H C	Joined	10/9/2021, 10:15:40 AM
19	Jasmeen. S	Joined	10/9/2021, 10:16:09 AM
20	Ganesh. K	Joined	10/9/2021, 10:16:10 AM
21	Monika. P	Joined	10/9/2021, 10:16:25 AM
22	Faiza sara B	Joined	10/9/2021, 10:16:28 AM
23	Akhil Y	Joined	10/9/2021, 10:16:32 AM
24	Lahari. P	Joined	10/9/2021, 10:16:36 AM
25	Sahithya K	Joined	10/9/2021, 10:16:38 AM
26	Akhil G	Joined	10/9/2021, 10:16:39 AM
27	Manjula. K	Joined	10/9/2021, 10:17:03 AM
28	Kusuma. V	Joined	10/9/2021, 10:17:04 AM
29	Praveen Kumar. R	Joined	10/9/2021, 10:17:09 AM
30	Pushpalatha. D	Joined	10/9/2021, 10:17:19 AM
31	Vasudeva. K	Joined	10/9/2021, 10:17:31 AM
32	Subbarayudu. P	Joined	10/9/2021, 10:18:06 AM
33	Bhavani. P	Joined	10/9/2021, 10:18:08 AM
34	Nandagopal. C	Joined	10/9/2021, 10:18:21 AM
35	Nandagopal. C	Joined	10/9/2021, 10:26:56 AM
36	Ghousia Banu. S	Joined	10/9/2021, 10:18:25 AM
37	Manoj Kumar. P	Joined	10/9/2021, 10:18:28 AM
38	Alekya. V	Joined	10/9/2021, 10:18:28 AM
39	Manoj Kumar Reddy. N	Joined	10/9/2021, 10:18:40 AM
40	Ganga Bhavani. M	Joined	10/9/2021, 10:18:41 AM



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41	Nandini. J	Joined	10/9/2021, 10:18:48 AM
42	Madhava Santhosh. M	Joined	10/9/2021, 10:18:50 AM
43	Balaji. Y	Joined	10/9/2021, 10:18:52 AM
44	Nandini. K	Joined	10/9/2021, 10:18:57 AM
45	Renuka. V	Joined	10/9/2021, 10:19:10 AM
46	Arjun Kumar Reddy. R	Joined	10/9/2021, 10:19:12 AM
47	Thejasree. Y	Joined	10/9/2021, 10:19:29 AM
48	Reddy Meghana. D	Joined	10/9/2021, 10:19:29 AM
49	Jahnvi. V	Joined	10/9/2021, 10:19:36 AM
50	Manasa. A	Joined	10/9/2021, 10:19:40 AM
51	Sai Raghavendra Reddy. B	Joined	10/9/2021, 10:19:51 AM
52	Sandesh Pokhrel	Joined	10/9/2021, 10:19:58 AM
53	Tejaswar Reddy. K	Joined	10/9/2021, 10:20:07 AM
54	Thaslima. U D	Joined	10/9/2021, 10:20:13 AM
55	Yochana. M	Joined	10/9/2021, 10:20:31 AM
56	Kousalya Nanda. D	Joined	10/9/2021, 10:20:32 AM
57	Jithendra. V	Joined	10/9/2021, 10:22:07 AM
58	Pruthvi Reddy. T	Joined	10/9/2021, 10:22:11 AM
59	Manisha. B	Joined	10/9/2021, 10:22:18 AM
60	Sreevanth. N	Joined	10/9/2021, 10:22:30 AM
61	Gayathri. S	Joined	10/9/2021, 10:23:04 AM
62	Sankar. M	Joined	10/9/2021, 10:23:05 AM
63	Ajith Kumar. V R	Joined	10/9/2021, 10:24:39 AM
64	Jaya Krishna Reddy. K	Joined	10/9/2021, 10:24:54 AM
65	Sai Dinesh. P	Joined	10/9/2021, 10:24:54 AM
66	Sai Deepa. B	Joined	10/9/2021, 10:25:23 AM
67	Shyamlal Kafle	Joined	10/9/2021, 10:25:25 AM
68	Keerthi. T	Joined	10/9/2021, 10:26:16 AM
69	Ravikiran. K	Joined	10/9/2021, 10:26:34 AM
70	Fardeen Ahamed. K	Joined	10/9/2021, 10:26:38 AM
71	Mounika. M	Joined	10/9/2021, 10:26:42 AM
72	Nousheen. M	Joined	10/9/2021, 10:26:43 AM
73	Likki Babu. M	Joined	10/9/2021, 10:26:55 AM
74	Neeraj Kumar. R K	Joined	10/9/2021, 10:27:03 AM
75	Lakshmi Charan. J	Joined	10/9/2021, 10:27:13 AM
76	Gnaneswar. A	Joined	10/9/2021, 10:27:25 AM
77	Yugesh. K	Joined	10/9/2021, 10:27:31 AM
78	Megha Sai Lakshmi P	Joined	10/9/2021, 10:27:41 AM
79	Abhilash Bhisth. G	Joined	10/9/2021, 10:27:51 AM
80	Reddy Lakshmi. B	Joined	10/9/2021, 10:28:07 AM
81	Revanth. M	Joined	10/9/2021, 10:28:25 AM
82	Raghavendra Raj Kiran. B	Joined	10/9/2021, 10:29:38 AM
83	Pradeep Kumar Reddy. E	Joined	10/9/2021, 10:30:40 AM





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84	Jahnavi. P	Joined	10/9/2021, 10:31:19 AM
85	Jiwan Chaudhary Tharu	Joined	10/9/2021, 10:31:25 AM
86	Jahnavi. C. A	Joined	10/9/2021, 10:31:31 AM
87	Usha. C	Joined	10/9/2021, 10:33:24 AM
88	Giridhar Reddy. Y	Joined	10/9/2021, 10:34:12 AM
89	Girija. S	Joined	10/9/2021, 10:35:26 AM
90	Siva Kumar. J	Joined	10/9/2021, 10:35:39 AM
91	Prasad. N	Joined	10/9/2021, 10:35:46 AM
92	Sai Madhuri. V	Joined	10/9/2021, 10:36:51 AM
93	Surendra. T	Joined	10/9/2021, 10:37:25 AM
94	Meghana. B R	Joined	10/9/2021, 10:37:52 AM
95	Computer Science & Engineering - HOD	Joined	10/9/2021, 10:39:27 AM
96	Neha. G	Joined	10/9/2021, 10:39:55 AM
97	Shahinoor. S	Joined	10/9/2021, 10:39:59 AM
98	Harshitha. K	Joined	10/9/2021, 10:40:34 AM
99	Greeshma. J	Joined	10/9/2021, 10:40:55 AM
100	Lavanya. G	Joined	10/9/2021, 10:43:41 AM
101	Mohanbabu. K	Joined	10/9/2021, 10:43:45 AM
102	Mukesh Kumar Reddy. K	Joined	10/9/2021, 10:43:55 AM
103	Ashfaq. M	Joined	10/9/2021, 10:43:55 AM
104	Anudeep Reddy. E	Joined	10/9/2021, 10:43:59 AM
105	Jayanth Kumar. Y	Joined	10/9/2021, 10:44:03 AM
106	Akhil. B	Joined	10/9/2021, 10:44:03 AM
107	Ravindra Shivapriya. T	Joined	10/9/2021, 10:44:07 AM
108	Bramatha Reddy. K	Joined	10/9/2021, 10:44:35 AM
109	Jayanth. G	Joined	10/9/2021, 10:44:35 AM
110	Sudarshan Reddy. K	Joined	10/9/2021, 10:44:35 AM
111	Venkata Sai. B	Joined	10/9/2021, 10:45:12 AM
112	Sowbhagya Lakshmi. P	Joined	10/9/2021, 10:45:12 AM
113	Yamuna M	Joined	10/9/2021, 10:45:12 AM
114	Radhika A	Joined	10/9/2021, 10:45:12 AM
115	Arunkumar. M	Joined	10/9/2021, 10:45:12 AM
116	Prasad Achari. K	Joined	10/9/2021, 10:45:12 AM
117	Rohini. Y	Joined	10/9/2021, 10:45:12 AM
118	Naveen Kumar Reddy. M	Joined	10/9/2021, 10:45:12 AM
119	Kiran. N	Joined	10/9/2021, 10:45:12 AM
120	Bharathi. M	Joined	10/9/2021, 10:45:12 AM
121	Thahareen. M	Joined	10/9/2021, 10:45:14 AM
122	Pradeep. M	Joined	10/9/2021, 10:45:18 AM
123	Lahari. T	Joined	10/9/2021, 10:45:27 AM
124	Sreekanth Reddy. T	Joined	10/9/2021, 10:45:27 AM
125	Santhosh Charan Balaji. B	Joined	10/9/2021, 10:45:27 AM



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126	Murali Krishna. C	Joined	10/9/2021, 10:45:28 AM
127	Veena Vani G	Joined	10/9/2021, 10:46:44 AM
128	Sai Sunandha. G	Joined	10/9/2021, 10:46:47 AM
129	Sreenath. D	Joined	10/9/2021, 10:48:03 AM
130	Sai vikas	Joined	10/9/2021, 10:48:07 AM
131	Anusha. B	Joined	10/9/2021, 10:50:53 AM
132	Bhavya Sree. M	Joined	10/9/2021, 10:52:33 AM
133	Keerthi. K	Joined	10/9/2021, 10:52:51 AM
134	Lavanya. B T	Joined	10/9/2021, 10:54:51 AM
135	Kalyani. P	Joined	10/9/2021, 10:54:51 AM
136	Fareedha. N	Joined	10/9/2021, 10:54:51 AM
137	Keerthi. S	Joined	10/9/2021, 10:54:51 AM
138	Divya. P	Joined	10/9/2021, 10:54:51 AM
139	Lakshman Kumar Naik. R	Joined	10/9/2021, 11:13:45 AM
140	Hariprasad Reddy. K. V	Joined	10/9/2021, 11:14:25 AM
141	Frances. K	Joined	10/9/2021, 11:14:33 AM
142	Jagadeesh Naik. B	Joined	10/9/2021, 11:14:34 AM
143	Mohammad Hussain. S	Joined	10/9/2021, 11:14:36 AM
144	Nikhil Kumar. N	Joined	10/9/2021, 11:18:51 AM
145	Nagaraja. C	Joined	10/9/2021, 11:18:52 AM
146	Geethika. M	Joined	10/9/2021, 11:20:25 AM
147	Rajendra. K	Joined	10/9/2021, 11:20:34 AM
148	Md. Pavan Kumar	Joined	10/9/2021, 10:14:19 AM
149	Sukanya. G	Joined	10/9/2021, 10:14:56 AM
150	BHAVADHARINI.R.M (Guest)	Joined	10/9/2021, 10:14:57 AM
151	Sindhu Yadav. P	Joined	10/9/2021, 10:14:57 AM



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**Madanapalle Institute of Technology & Science**  
(UGC - autonomous)



**CERTIFICATE**  
of Participation




**R Nethaji**

**Madanapalle Institute of Technology & Science**

has participated the webinar on “Deep Learning & its Applications” conducted by the Department of Computer Science & Engineering jointly with IEEE & CSI held on 9<sup>th</sup> October 2021.

  
**Dr. K. Saravanan**  
Convener, CSE, MITS

  
**Dr. R. Kalpana**  
HoD - CSE, MITS.

  
**Dr. C. Yuvaraj**  
Principal, MITS.