



PRABODHAN SHIKSHAN PRASARAK SANSTHA'S (Regd No. E-697 Ratnagiri)

**RAJENDRA MANE COLLEGE OF ENGINEERING AND TECHNOLOGY**

Approved by AICTE, Recognised by D.T.E & Affiliated to University of Mumbai

Accredited by NAAC with 'B++' Grade,

**Computer Engineering Department**

ESTD : 1998

Office: At & Po – Ambav (Devrukh) Tal – Sangmeshwar, Dist – Ratnagiri, Pin – 415804 (Maharashtra)

Mobile No.: 9359220807 · Email: [info@rmcet.com](mailto:info@rmcet.com) · Website: [www.rmcet.com](http://www.rmcet.com) · DTE Code: 3202

## **Report of Guest Lecture on “CNN Architecture and Its Applications in Deep Learning”**

DATE: 12th February 2026

TIME: 10:30 AM

MODE: Online

ORGANIZED BY: Computer Engineering Department

FACULTY COORDINATOR: Ms. Wagle M.I.

The Computer Engineering Department organized an online guest lecture on “CNN Architecture and Its Applications in Deep Learning” for BE class students on 12th February 2026. The session was delivered by Ms. Shraddha Dalvi, Assistant Professor at AP Shah Institute of Technology. The objective of the lecture was to provide students with a clear understanding of Convolutional Neural Networks (CNN) and their importance in the field of Deep Learning and Artificial Intelligence. The session focused on both theoretical concepts and practical applications of CNN in real-world scenarios.

The lecture covered the following key points:

1. Introduction to Deep Learning: Overview of Artificial Intelligence, Machine Learning, and Deep Learning concepts. Basics of Neural Networks: Structure and working of Artificial Neural Networks (ANN).
2. Need for CNN: Limitations of traditional neural networks in image processing.
3. CNN Architecture: Explanation of convolution layers, filters, feature maps, stride, padding, pooling layers, flattening, and fully connected layers.



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4. Activation Functions: Role of ReLU and Softmax in CNN models.
5. Training of CNN Models: Loss functions, backpropagation, and optimization techniques.
6. Applications of CNN: Image classification, object detection, facial recognition, medical image analysis, and self-driving car systems.
7. Career Opportunities in Deep Learning: Scope of AI and future trends in the industry.

Overall, the guest lecture was highly beneficial and enhanced students' understanding of CNN architecture and its applications in Deep Learning. BE students actively participated in the session. The program concluded with a vote of thanks delivered by HOD Ms. Shubangi Kamble, expressing gratitude to the guest speaker for sharing her valuable knowledge and expertise.



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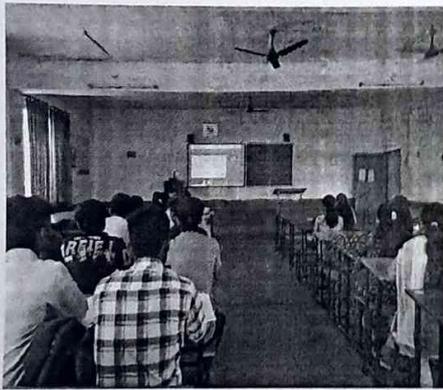
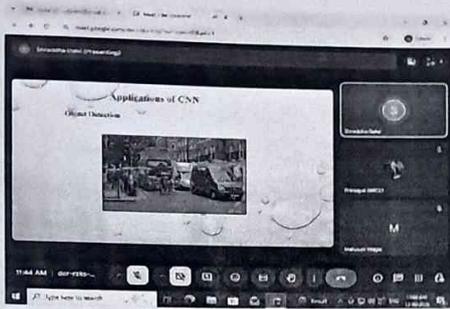


Photo during the delivering session

Faculty Coordinator

Ms. Wagle M.I.

HOD

Ms. Shubhangi B. Kamble

Principal

Dr. Mahesh M. Bhagwat





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**RAJENDRA MANE COLLEGE OF ENGINEERING & TECHNOLOGY**  
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Ref: RMCET/COMP/ 13 /2025-26

February, 10 2026

To,

Ms. Shraddha Dalvi,

Assistant Professor

A P Shah Institute of Technology, Thane.

Sub: Invitation letter

Dear Madam,

On the behalf of Rajendra Mane College of Engineering and Technology, Ambav (Devrukh), Maharashtra, I am very pleased to have the honor of inviting you to deliver online session on **"CNN architecture and its applications in deep learning"** on 12<sup>th</sup> February 2026 for BE Computer Class .We are sure that your session would prove to be great help to us.

Hope that you would gratefully accept our invitation and give your presence.

Looking forward to your positive response.

Thanking You,

Ms. Shubhangi B. Kamble

HOD, Computer Engineering Dept.



Dr. Mahesh. M. Bhagwat  
Principal, RMCET

Date: 13/02/2026.

To,

The Principal,

R.M.C.E.T.

Ambav, Devrukh.

Subject: - Remuneration for Expert Lecture.

Respected Sir,

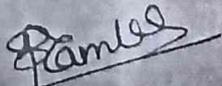
I undersigned Ms.Shubhangi B.Kamble working as an assistant professor and HOD of computer engineering department.I am writing to request remuneration for the external expert lecture delivered by Ms.Shraddha Dalvi, Assistant Professor, CSE(AIML).A P Shah Institute of technology,Thane on 12<sup>th</sup> February 2026 in our computer engineering department for BE class. The topic of the lecture was "CNN architecture and its applications in deep learning". As per institutional policy, I would like to request a remuneration of Rs.500/-(1hrs\*500/-) for the expert lecturer.

I kindly request you to approve her remuneration and inform the account department to transfer the same on her account details.

Kindly do the needful.

Thanking You,

Yours sincerely



Ms.S.B.Kamble

HOD COMPUTER RMCET

Sanctioned



Date:06/02/2026

To,

The Principal,

RM CET AMBAV.

Subject: - Request for permission to organize an Expert Lecture.

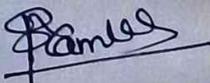
Respected Sir,

I undersigned Ms.S.B.Kamble working as assistant professor in EXTC department and HOD of computer engineering department. I want to arrange an expert lecture for final year computer engineering students on the topic "**CNN architecture and its applications in deep learning**" on 12<sup>th</sup> February 2026. The lecture aims to provide insights and knowledge on deep learning which is relevant to our curriculum.

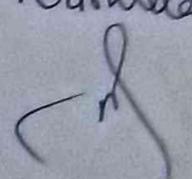
So, I kindly request you to give your permission for the same.

Thanking you

Yours sincerely



Ms. Shubhangi. B. Kamble

permitted  




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February, 13 2026

To,  
Ms. Shraddha Dalvi,  
Assistant Professor  
A P Shah Institute of Technology, Thane.

Sub: Thanking letter

Dear Madam,

Warm Greetings from Rajendra Mane College of Engineering and Technology, Ambav (Devrukh), Maharashtra!

We are thankful to you for delivering a session on **"CNN architecture and its applications in deep learning"** for BE Computer Class scheduled on 12<sup>th</sup> February 2026. Your expert talk triggered an upsurge in all our spirits. Your expertise and knowledge in the area has added a great value to the practical sense of one and all students.

Thanks once again for your presence and guidance.

Thanking You,

Ms. Shubhangi B. Kamble  
HOD, Computer Engineering Dept.



Dr. Mahesh. M. Bhagwat  
Principal, RMCET

Rajendra Mane Collage of Engineering and Technology, Ambav		
Attendance for Expert Talk on CNN Architecture by Ms. Shradha Dalvi		
Department: Computer Engineering		Class: BE
Roll No	Name of Student	Signature
1	ADIVAREKAR ATHARV RAMDAS	
2	AKTE VEDANT VIKAS	<u>Vedant</u>
3	ANKAM VISHALINI VENKATRAJAM	
4	BADAVE NEHA SUNIL	<u>Neha</u>
5	BARANWAL PRINCE PRABHAKAR	
6	BELKAR SIDDHARTH ANKUSH	
7	BHALEKAR JAY SUNIL	
8	BUDHAWALE GIRISH SANTOSH	
9	CHALKE OM PRADIP	<u>Om</u>
10	DEVALE SAHIL TUKARAM	
11	DHENGAR KSHITIJ SANJAY	
12	DIGE HEMANG NARAYAN	
13	DOLKAR TANVI SANDIP	<u>Tanvi</u>
14	GAIKWAD YASH HANUMANT	
15	GAMARE YASH AJIT	
16	GAWDE RHUTUJA RAJU	<u>Rhutu</u>
17	GHAG NIHAR RATNAKAR	
18	GHUGE MAHARUDRA EKNATH	
19	GHUME DIVYA DIPAK	<u>Divya</u>
20	GURAV SIDDHESH SURESH	
21	JADHAV ARYAN SANTOSH	<u>Aryan</u>
22	KAKDE PRADNYESH DINESH	
23	KAPADI TAIHOOR FERROJ	
24	KHOT VAIDEHI UMESH	
25	KOKATE PRACHI DILIP	<u>Prachi</u>
26	KOYANDE SHRAVANI UMESH	
27	KUMBHAR MANISH BANDUPANT	<u>Manish</u>
28	LINGAYAT PRATHAM JITENDRA	
29	MAHANGADE DIVYA SATISH	<u>Divya</u>
30	MAPARI PRATHAMESH RAMDAS	
31	MASANE VRUSHALI VILAS	
32	MASURKAR RAGHUNATH ANAND	<u>Ramasurkar</u>
33	MHAPARLE JANVI VILAS	
34	MOHITE SHREYA PRAMOD	<u>Shreya</u>
35	MUKADAM ASIL MAHEMOOD	<u>Asil</u>
36	MUKADAM MUZAMMIL ASIF	
37	MUNESHWAR SUBODH UTTAM	
38	MUNJ SAMRUDDHI PRASHANT	
39	NAKATE SOHAM SAILLESH	

40	NARVEKAR NIHAR RAJENDRA	
41	PALKAR ONKAR SITARAM	
42	PARAWATE VRUSHALI SANTOSH	<i>[Signature]</i>
43	PATIL POONAM SATYAVAN	
44	PATIL PRACHI BAJIRAO	<i>[Signature]</i>
45	PATIL PRATIK CHETAN	<i>(Bati)</i>
46	PATIL RIYA YASHWANT	<i>[Signature]</i>
47	PATIL SAJAN SHIVAJI	
48	PAWAR SAHIL MANGESH	<i>[Signature]</i>
49	RANMALE ANKITA ANNASAHEB	
50	SALVI SIDDHI VIJAY	<i>[Signature]</i>
51	SAWANT PRANJAL SUHAS	<i>[Signature]</i>
52	SAWANT UDAY MANOHAR	<i>[Signature]</i>
53	SAWANT VIRAJ VILAS	
54	SAWARDEKAR SUJAL SUNIL	<i>[Signature]</i>
55	SHETKAR SHRAVANI DEEPAK	
56	SHETYE SAHIL VISHNU	<i>[Signature]</i>
57	SHINDE VEDANT SUSHIL	<i>[Signature]</i>
58	SHIRKAR SRUJAN RAVINDRA	
59	SOLKAR AZAMAT SAMEER	
60	SONNEKAR JAYPRAKASH PRADIPRAO	
61	SURVE PRATHAMESH ANANT	
62	TAMBE SANTOSH BUDHIVANT	
63	TODKARI PRATHAMESH SANJAY	
64	VISHWAKARMA SANDEEP DHANANJAY	
65	WASAVE MANTHAN MANOJ	

*[Signature]*

Co-coordinator: Ms. Wagle M.I



*[Signature]*

HOD: Ms. S.B Kamble