



Report
of
Expert Talk
‘17th September 2021’

On

**“Introduction to Machine Learning
and Deep Learning”**

Organized by,
Department of Computer Engineering
**Shri Vile Parle Kelavani Mandal’s
Institute of Technology,
Dhule**

In association with
SVKMIIOT ACM STUDENT CHAPTER

Academic Year: 2021-22



150	Devyanee Sanjay Sawant	186	Patil Vaishnavee Chhotulal
151	Suryawanshi Rupali Ravindra	187	Patil Vaishnavee Chhotulal
152	Harsha Rohira	188	Girase divya narendrasing
153	Yashraj pravin chaudhari	189	Umakant Kishor Sawant
154	Kadam Abhijeet Santosh	190	Mokshank Dnyaneshwar Dhamane
155	Geetanjali Madhukar Wagh	191	Neha Rajendra Suryawanshi
156	Lalit Rajendra Deore	192	Yash Balavant Chavan
157	Kadam Dipali Navanath	193	PRIYA GURWANI
158	Suryawanshi Rupali Ravindra	194	Krutika Vilas Bhadane
159	Lina Prashant Gharate	195	Parth santosh kshirsagar
160	Kavita patil	196	Ganesh Bipinchandra Sonawane
161	Ahire Tushar Dilip	197	Nachiket Shinde
162	Suryawanshi Rupali Ravindra	198	Kalyani bhagavan patil
163	Ashwini Sanjay Bhadane	199	Patil Dhanraj Gokul
164	Ashwini Sanjay Bhadane	200	Bhagyashri Ravindra Suryawanshi
165	Sali Vaishnavi Mukesh	201	Sagar Sanjay Ghuge
166	Shaikh Mohammad Amaan Firoz Shaikh	202	Durgesh Sunil Chaudhari
167	Shubham Devidas Kasture	203	Mitali Jadhav
168	Dinesh Raya Vasave	204	Rahul agale
169	Dinesh Raya Vasave	205	Aaryan Rajeev Nair
170	Dinesh Raya Vasave	206	Mahesh Vijay Gosavi
171	Aasha damnya padvi	207	VIJAYA PRAVIN JADHAV
172	Aasha damnya padvi	208	Achal Kothawade
173	Indrajit Arun Wagh	209	Manish Vijaysing Rajput
174	Akshada Adhikar Bagul	210	Patil Somesh Sandip
175	Darshan Arun Raykar	211	Kajal Gulab Navarkar
176	Mangalsing Sevalal Pawara	212	Bhagyashri Ravindra Suryawanshi
177	Gayatri Sharad Patil	213	Ajinkya Sunil Pathak
178	Ruchika Shantaram Patil	214	Mayur Santish Hajare
179	Kalyani Kailas Rajbhoj	215	Jagruti Ashok Deshmukh
180	Madhukar mithya vasave	216	Shruti Pralhad Chaudhari
217	Gaurav Pramod Dhumal	224	Rohan Vikas Shinde
218	Apurva Uday Patil	225	Sara Tarannum Pate
219	Divya Rajesh Surana	226	Shejal Mahendra Dhanray
220	Sakshi Jitendra Jain	227	vipulmetkar26@gmail.com
221	Nikita kamalakar sali	228	Achal Kothawade
222	Premraj Rajendra Ahire	229	Patil Mayuri Mahesh
223	Sanket Vikas patil	230	Hemant shriram patil



Activity Report

Aim: To get knowledge of machine learning & Deep Learning and different ideas for research area in CNN in Deep Learning

Objective: How to select an algorithm, build a ML or Deep NN model and deploy it effectively, without diving too deep into the mathematical concepts of the model.

Name of Program: Webinar 1 : Introduction to Machine Learning and Deep Learning by Dr. Deepak Mane

Date: 17th September 2021.

Expert Name: Dr. Deepak Mane

Designation: Associate Professor, Department of Computer Engineering, JSPM's Rajshri Shahu College of Engineering, Pune

Convener: Dr. Makarand Shahade

Event Coordinator: Prof. Ashish S. Awate

Participants: Final & Third Year B.Tech. Students

Total No. of Students Benefited: 95

PO addressed: PO2, PO3, PO5, PO6, PO9, PO11, PO12

PSO addressed: PSO2, PSO3

Outcomes: Participants learned

1. Application of Machine Learning and Deep Learning in Real life problem
2. Analyze the emerging trends in Machine Learning and Deep Learning
3. Interpret the Convolutional Neural Network Working with Real life case study.

The pandemic COVID-19 has necessitated drastic measures like social distancing, staying indoors to be taken to fight against it. Needless to say, these are challenging times that we are living in. To utilize this time offered by this control measures in self-improvement and knowledge enhancement, such program is initiated by our department. Enterprises are increasingly relying on machine learning to develop mission-critical applications to power their businesses. However, there are a series of challenges one has to tackle in the machine learning application building lifecycle — right from combining multiple data sources to feature engineering which means finding the right parameters to extract from the data for model building. So, what's the best approach to ML and DL applications and how does one identify the data sources to build models. With demand for machine learning and deep learning increasing, it's up to the students to stay updated with the latest trends to get the best performance out of their applications.



So with this motto Department of computer engineering in association with SVKM's Institute of Technology (SVKM's IOT) ACM STUDENT CHAPTER organized Online Webinar on "**Introduction to Machine Learning and Deep Learning**" by **Dr. Deepak Mane** Associate Professor, Department of Computer Engineering, JSPM's Rajshri Shahu College of Engineering, Pune for Third and final year students on date **17th Sept. 2021**.

A comprehensive set of topics pertaining to select an algorithm, build a ML/DL model and deploy it effectively, without diving too deep into the mathematical concepts of the model. were covered in the expert talk. The inauguration was carried out online platform by Head of Department Dr. Makarand Shahade. For the Expert Talk we received very good response from Department Faculty members & Third year and Final year B.Tech Students. Total 95 participants were present online for this webinar.



Prof. Ashish Awate
Event Coordinator
(Department of Computer Engineering)



Dr. Makarand Shahade
Convener
(Department of Computer Engineering)

H.O.D. Computer Dept.
SVKM's Institute of Technology, Dhule



Online Platform : MS Team

Link : <https://teams.microsoft.com/l/meetup-join/19%3aIatTyZFKaLw1LBqhECkXpBnn96vS0EDKTtP69zo7xh81%40thread.tacv2/1631779519862?context=%7b%22Tid%22%3a%22d1f14348-f1b5-4a09-ac99-7ebf213cbc81%22%2c%22Oid%22%3a%22601d3b59-e316-4044-b6b9-c32524a35118%22%7d>

Photographs:

Webinar 1 : Introduction to Machine Learning and Deep Learning by Dr. Deepak Mane

22:30

Request control

Show participants

Slide Show | Resume Slide Show

What are the application areas of Machine Learning?

Dr. Deepak Mane (Guest)

MJ | RG

MEGHAL... | RIDDH... | Makarand... | +68

9:17 PM 9/17/2021

Webinar 1 : Introduction to Machine Learning and Deep Learning by Dr. Deepak Mane

10:59

Request control

Participants

Outline

- Part I: Introduction of Machine Learning
- Part II: Introduction of Deep Learning
- Part III: Applications of Deep Learning
- Part IV: Data Visualization using CNN

Dr. Deepak Mane (Guest)

RG | RF | MJ | +70

Aashish Awate | Rishabh Narichwalkar | Dr. Deepak Mane (Guest) | Khalid Alfatem | Makarand Shahade (Dr.) | Tukaram Gawab | Vijaylaxmi Bittal

AZIM AHMAD QUAZI | AISHWARYA PATEL 140... | AMAY PWAR - 14002200

9:17 PM 9/17/2021



Webinar 1: Introduction to Machine Learning and Deep Learning by Dr. Deepak Mane

20:51

Machine Learning Model

Dark Show / Resume Slide Show

The diagram illustrates the Machine Learning Model process in two phases:

- Training phase:** An **Input** (represented by a document icon) is processed by a **feature extractor** to produce **features** (represented by a row of vertical bars). These features are fed into a **machine learning algorithm**, which also receives a **Label** as input.
- Testing Phase:** An **Input** (document icon) is processed by a **feature extractor** to produce **features** (row of vertical bars). These features are fed into a **classifier model**, which outputs a **Label**.

Dr. Deepak Mane (Guest)

RG, RIDDH GIN..., Makarand S..., RF, +69, Rarjit Tule

Type here to search

ENG 1:23 PM US 9/17/2021

Webinar 1: Introduction to Machine Learning and Deep Learning by Dr. Deepak Mane

01:27:51

Show participants

The visualization shows a grid of handwritten digits on the left, labeled **Feature Maps $64 \times 16 \times 16$ (Convolution3)**. An arrow points to a smaller grid of digits on the right, labeled **$64 \times 8 \times 8$ Pooling Layer (Max pool with 2×2 filters and stride 2)**.

Visualization of Pooling Layer

9/16/2021

Dr. Deepak Mane (Guest)

MJ, Mayan Kuk..., MEGHAL S..., +45, Makarand S...

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ENG 2:00 PM US 9/17/2021

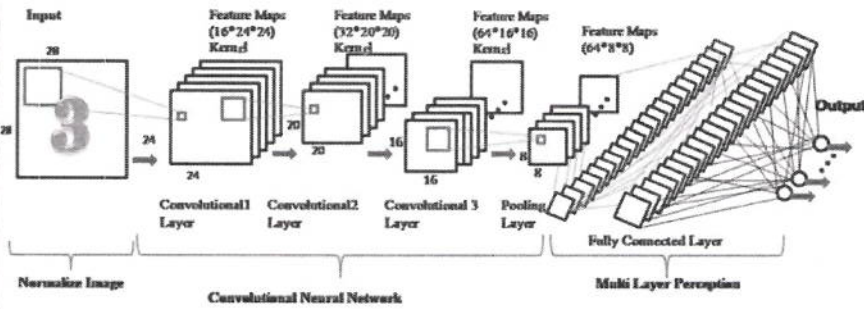


01:06:34

Request control

Leave

SUPERVISED CNN ARCHITECTURE



Dr. Deepak Mane (Guest)



Mayuri Kulk...



MEGHAL JA...



Makrand S...



+53



Dr. Deepak Mane (Guest)

9/18/2021

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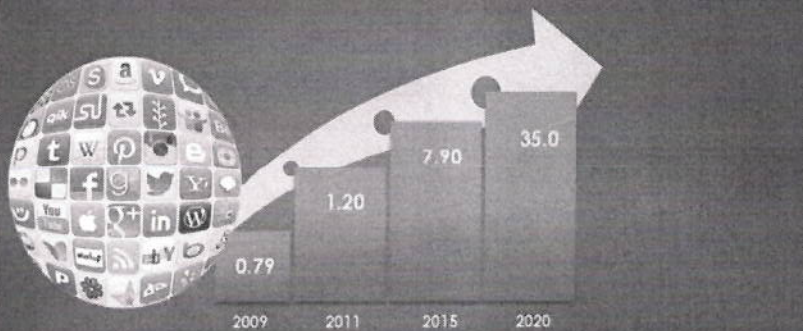
ENG 2:09 PM 9/17/2021

35:18

Request control

Leave

Why a sudden demand?



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<https://www.youtube.com/watch?v=mm2A5tKVlpg>



Dr. Deepak Mane (Guest)



Mayuri Kulk...



MEGHAL JA...



+61



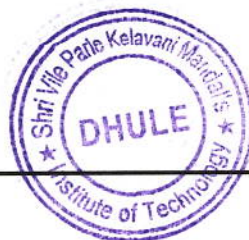
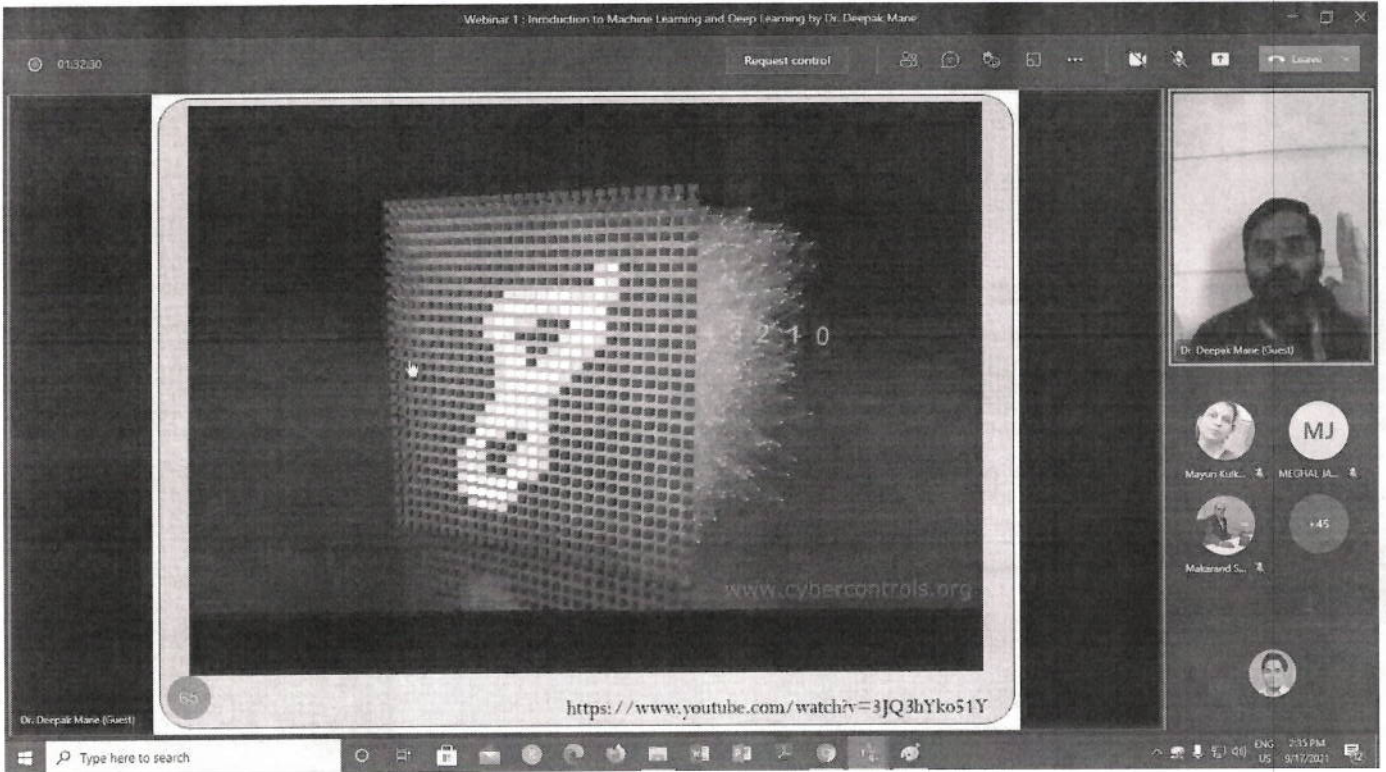
Dr. Deepak Mane (Guest)

ENG 3:07 PM 9/17/2021

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ENG 3:07 PM 9/17/2021





Webinar Flyer



Shri Vile Parle Kelavani Mandal's
INSTITUTE OF TECHNOLOGY
in association with
SVKMIOT ACM STUDENT CHAPTER
organizes



The Webinar Series

#Webinar 1

Introduction to Machine Learning and Deep Learning



Dr. Deepak Mane
JSPM's Rajshri Shahu
College of Engineering,
Pune



17th Sept, 2021



01:00 PM



Join us on Teams

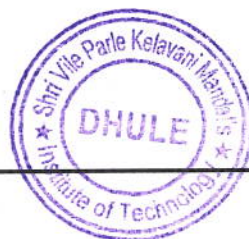
Meeting link will
be shared soon

Prof. Ashish Awate
Webinar Coordinator

Prof. Khalid Alfatmi
Academic Coordinator

Dr. Makarand Shahade
HOD Computer Department

Dr. Nilesh Salunkhe
Principal

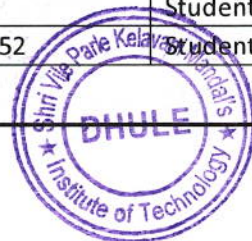


Attendance Sheet

Meeting Summary

Total Number of Participants	95
Meeting Title	General
Meeting Start Time	9/17/2021, 12:51:17 PM
Meeting End Time	9/17/2021, 3:06:59 PM
Meeting Id	13376c87-be9a-444d-91b1- caf551f30271

Full Name	Type of Participant
Ashish Awate	Faculty
Bhushan Nandwalkar	Faculty
Khalid Alfatmi	Faculty
Makarand Shahade (Dr.)	Faculty
Mayuri Kulkarni	Faculty
Rajkumar Yadav	Faculty
Ranjit Fule	Faculty
Umakant Mandawkar	Faculty
Vijaylaxmi Bittal	Faculty
Dr. Deepak Mane (Guest)	Speaker
AAZIM AHMAD QUAZI - 14002200073	Student
AISHWARYA PATIL2 - 14002190031	Student
AJAY PAWAR - 14002200072	Student
AKSHAY BRAHME - 14002200064	Student
AMOGH AGRAWAL - 14002190001	Student
AMRUTA PATIL - 14002180028	Student
ANURADHA BACHHAV - 14002190002	Student
Atharv Halmadge (Guest)	Student
BHAGYASHRI SHINDE - 14002190043	Student
BHAGYASHRI SURYAWANSHI - 14002180053	Student
BHAVESH NIKAM	Student
BHUSHAN MAHAJAN - 14004200071	Student
CHANDRAKALA PATIL - 14002190029	Student
CHETANA BADGUJAR - 14003190001	Student
CHIRAYU SHINGNAPURKAR - 14002200074	Student
DAMINI MAHALE - 14002180024	Student
DARSHAN KOTKAR - 14002190020	Student
DEVYANI DEORE - 14002190010	Student
DHANASHRI KULKARNI - 14002200068	Student
DIVYA PAGARE - 14002190026	Student
FALGUNI SHINDE - 14002190053	Student
HEMRATNA SONAR - 14003190019	Student
HIMANSHU SHARMA3 - 14002190052	Student



JANHAVI KULKARNI - 14002180020	Student
JANVI RAJPUT - 14002180044	Student
JATIN.CHAUDHARI	Student
JAYESH DEORE - 14002190011	Student
KAJAL SURYAWANSHI - 14002190046	Student
KALPESH PATIL - 14002200069	Student
KALYANI DEORE - 14002180009	Student
KALYANI DESALE - 14002190012	Student
kamal chaurasiya	Student
KISHAN PAWAR - 14002180042	Student
KUSHAL KOCHAR - 14002180018	Student
LINA THAKARE - 14002190047	Student
MANASI PATIL - 14002180033	Student
MAYANK GINDODIYA	Student
MEGHAL JAMBHALE - 14002180013	Student
MITALI CHAUDHARI - 14002190006	Student
NABEELAHMAD ANSARI - 14002195002	Student
NAVID PINJARI - 14002190039	Student
NEHA BAVISKAR - 14002195004	Student
NEHA DEORE - 14002200065	Student
NEHA SAINDANE - 14002195016	Student
NEHA YEOLEKAR - 14002180056	Student
NIKHIL.BHAGWAT	Student
PALLAVI PATIL3 - 14002195013	Student
PAVAN PAWAR2 - 14002190036	Student
PAYAL BADGUJAR - 14002195003	Student
PRAFUL PAWAR - 14002180043	Student
PRANAV CHAUDHARI2 - 14002190007	Student
PRIYANKA SONAWANE - 14002190044	Student
PRIYANKA VIBHANDIK - 14002190049	Student
PUNAM PATIL1 - 14002180040	Student
PURVA PATIL - 14002200070	Student
RAJAT KANUGO - 14002190018	Student
RIDDHI GINDODIYA - 14002200066	Student
RITESH KULKARNI2 - 14002180022	Student
Rohan Kakde	Student
ROHAN MISTRY2 - 14002190024	Student
ROHIT HATKAR - 14002190014	Student
SACHIN PATIL5 - 14002180038	Student
SAKSHI AMRUTKAR - 14002180001	Student
SAMEER BRAHME - 14002190004	Student
SAYALI BAGUL - 14005180003	Student
SEJAL ARUJA - 14002200063	Student
SEJAL PATIL2 - 14002190032	Student
SHALAKA SHARMA - 14002190041	Student
SHRADDHA CHANGUNE - 14002190005	Student



SHRADHHA PARDESHI - 14002190028	Student
SHUBHAM KASTURE	Student
SHUBHAM PATIL15 - 14002190034	Student
SUKRUTA PARDESHI - 14002190027	Student
TANMAY CHAUDHARI - 14002190008	Student
TEJASHRI GHATOLE - 14002190013	Student
TEJASWI SALUNKE - 14002190040	Student
Tukaram Gawali	Student
UNMESH PATIL3 - 14002190033	Student
UPASANA PATIL - 14002180041	Student
VEDANT KASAR - 14002180017	Student
VISHAL JAGDALE - 14002190016	Student
VIVEK PAWAR	Student
YASH SONAWANE - 14002190045	Student
YATISH CHAUDHARI - 14002180006	Student
YOGITA PATIL - 14002200071	Student

Feedback Link : <https://forms.office.com/r/cssHpXXt4f>

Feedback Form

Webinar 1 : Introduction to Machine Learning and Deep Learning by Dr. Deepak Mane

Expert Speaker: Dr. Deepak Mane
Date : 17.09.2021
Time : 01:00PM
Topic : Introduction to Machine Learning and Deep Learning

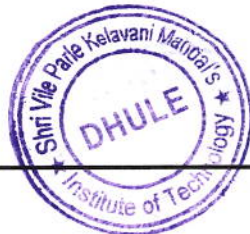
* Required

1. Enter Full Name *

2. Select Year *

Third Year

Final Year



Feedback Response:

Forms(<https://www.office.com/launch/forms?auth=2>)



Webinar 1 : Introduction to Machine Learning and Deep Learning by Dr. Deepak Mane

49
Responses

00:50
Average time to complete

Active
Status

1. Enter Full Name

49
Responses

Latest Responses

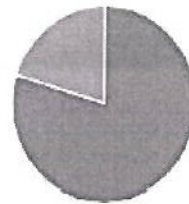
"Prathamesh Bhagwat Chaudhari"

"Upasana Suresh Patil"

"Vivek Ramrao Pawar"

2. Select Year

- Third Year 39
- Final Year 10



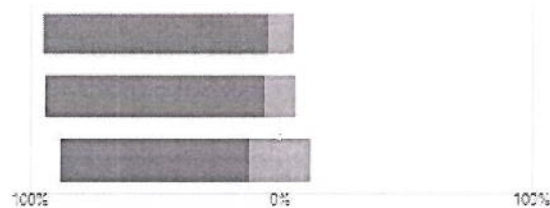
3. Feedback Form For Webinar 1 : Introduction to Machine Learning and Deep Learning by Dr. Deepak Mane

■ Agree ■ Neutral ■ Disagree

The session's objectives were clearly stated and met?

Experts/Speakers have put good effort in explaining things to make me understand the topic.

This session has increased my knowledge and skill in the discussed topic



Mane



Mane
H.O.D. Computer Dept.
SVKM's Institute of Technology, Dhule



SHRI VILE PARLE KELAVANI MANDAL
Pursuing excellence in education

Webinar Report

On

GATE - 2022 preparation

Academic Year : 2021-22

Department of Computer Engineering

SVKM's Institute of Technology, Dhule

In Association



Association for Computing Machinery Students Chapter

