



"Techno - Social Excellence"
**Marathwada Mitramandal's
Institute of Technology (MMIT)**



Accredited with "A" Grade by NAAC
Survey No. 35, Vadgaon Shinde Road, Lohgaon, Pune - 411 047
Approved by AICTE, New Delhi, Recognised by DTE, M.S.Mumbai, Affiliated to Savitribai Phule Pune University
Email : principal@mmit.edu.in Website : www.mmit.edu.in
Tel No. : +91 7447786623 / +91 7447786624 **DTE Institute Code : 6203**

Guest Lecture Report

Subject: Natural Language Processing & Machine Learning
Attendee: Candidates. (Students of TE, BE Computer Engineering)

Organized By: Department of Computer Engineering, MMIT, Lohgaon-411 047

Date: 16th May 2023

Mode of conduction: Online (Google Meet)

Resource Person:

Name: **Mr. Prakash Pimpale**
NLP & Data Science
Joint Director at CDAC Mumbai, Maharashtra, India

Objective of Expert Lecture

The objective of this expert lecture is to introduce the students about the NLP & Data Science.

Introduction:

Natural language processing (NLP) is an area of computer science and artificial intelligence concerned with the interaction between computers and humans in natural language. The ultimate goal of NLP is to help computers understand language as well as we do. It is the driving force behind things like virtual assistants, speech recognition, sentiment analysis, automatic text summarization, machine translation and much more. In this post, we'll cover the basics of natural language processing, dive into some of its techniques and also learn how NLP has benefited from recent advances in deep learning.

Session by Mr. Prakash Pimpale

He explained the advantages of Natural Language Processing.

Attendance : 113



Following topics are covered in the seminar

- Introduction to Natural Language Processing
- Speech recognition—the translation of spoken language into text.
- Natural language understanding—a computer's ability to understand language.
- Natural language generation—the generation of natural language by a computer.
- Why Natural Language Processing Is Difficult
- Natural Language Processing Techniques for Understanding Text
- Deep Learning and Natural Language Processing

Program Outcomes

- Students have understood Basics of NLP.
- Students have understood the working NLP and Machine Learning.
- Students got to know about Deep Learning.

Introduction about the speaker

Guest Profile

Name: **Mr. Prakash Pimpale**

NLP & Data Science

Joint Director at CDAC Mumbai, Maharashtra, India

Into Natural Language Processing(NLP), Machine Learning(ML), Text Analytics and related areas since 2007. Been doing research, design, and development in these areas. Love to innovate and work on projects with social impact.

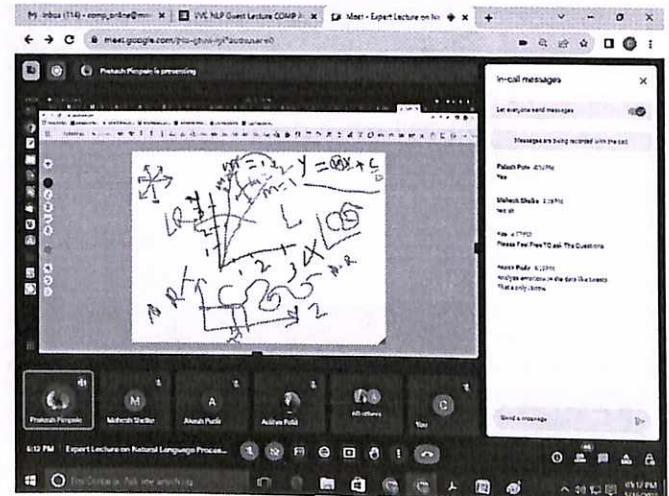
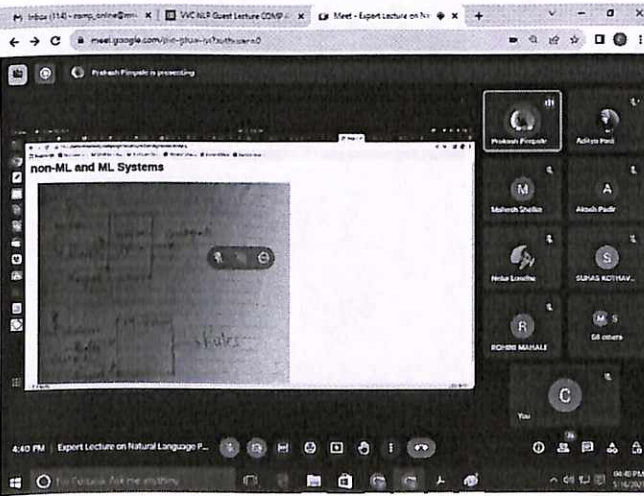
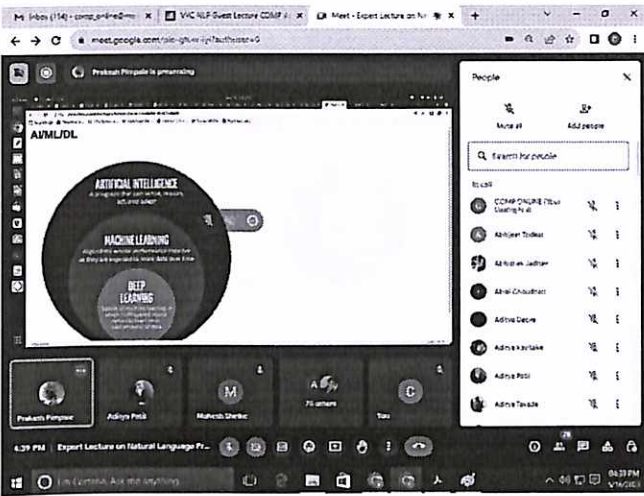
Over the years, have carried out various projects and activities in different capacities. Some significant ones with their approximate timelines -

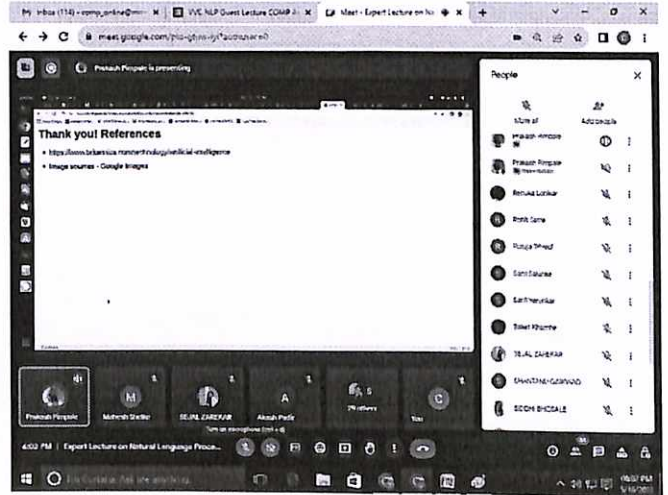
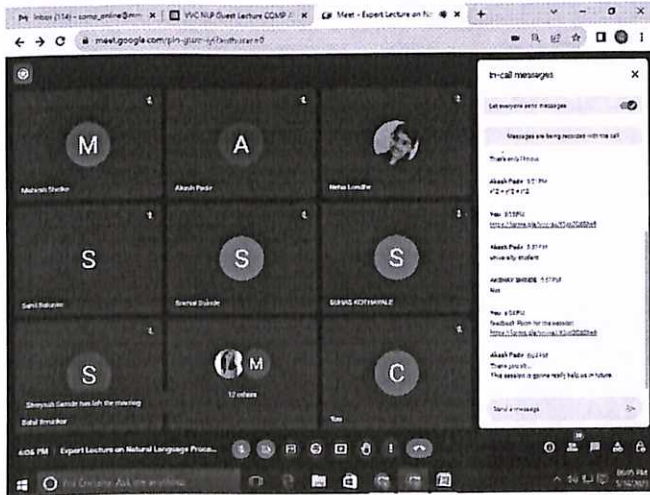
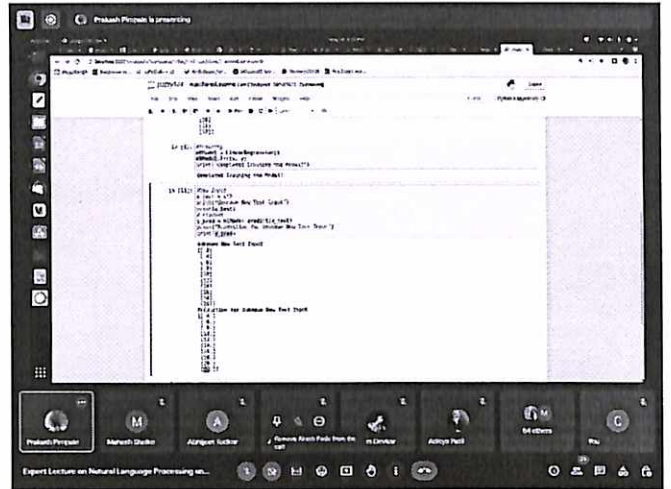
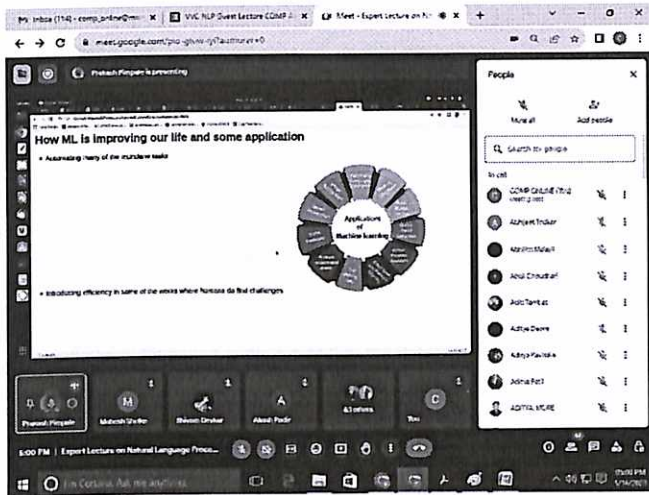
2017 - now:

- Been doing requirement analysis, design, development, UI/UX, and delivery of a large-scale bespoke ERP system (Microservices, Java, PostgreSQL, Insurance, Client Interaction, Documentation, Project Management)
- Development of frontend and backend code generation utility (Java, PostgreSQL, HTML)
- Development of an email classification system for 100+ classes for a fortune 500 company (Python, ML/DL, Text Analytics)
- Consultancy to a fortune 500 Bank for the development of an email analysis system (Python, Text Analytics)
- Carried out Data Analysis for identification of fraud applications against a large-scale government scheme (R)



Screenshot :





Event Coordinator

Handwritten signature of Mr. Vikas V. Chavan

Mr. Vikas V. Chavan
Mr. S. G. Rathod



H.O.D.

Handwritten signature of Mr. S. G. Rathod

Mr. S. G. Rathod
HOD
Computer Engg.
Marathwada Mitra Mandali's
Institute of Technology (MMIT)
Lohgaon, Pune - 411 047

Feedback :

00:48:36.842,00:48:39.842
Akash Padir: $x^2 + y^2 = r^2$

01:22:25.390,01:22:28.390
COMP ONLINE: <https://forms.gle/xovxaXXSptGQ8Ehe9>

01:24:06.297,01:24:09.297
Akash Padir: university student

01:24:14.074,01:24:17.074
AKSHAY SHINDE: Not

01:31:32.067,01:31:35.067
COMP ONLINE: feedback Form for the session
<https://forms.gle/xovxaXXSptGQ8Ehe9>

01:31:53.540,01:31:56.540
Akash Padir: Thank you sir....
This session is gonna really help us in future.

