



Shree Vile Parle Kelavani Mandal's  
**Institute of Technology, Dhule**  
Approved by AICTE & Affiliated to DBATU  
**DEPARTMENT OF COMPUTER ENGINEERING**  
A.Y 2022-23



<b>Name of Event</b>	<b>:</b>	<b>Webinar on "Fundamentals of Natural Language processing"</b>
<b>Dates</b>	<b>:</b>	<b>3<sup>rd</sup> December 2022</b>
<b>Time</b>	<b>:</b>	<b>01:00pm</b>
<b>Venue</b>	<b>:</b>	<b>Class room : 208</b>
<b>Recourse person</b>	<b>:</b>	<b>Dr. Nilesh Shelke, Associate Professor, Department of Computer Science &amp; Engineering, JIT, Nagpur .</b>

**Objective:**

The objective of this webinar is to

- Students will be able to understand the Basic Concept of Natural Language Processing.
- Student will be able to learn & understand depth knowledge of Semantic, Syntactic and Lexical Analysis of Text, and implementation of it using python
- Student will be able to learn & understand implementation of to do sentiment analysis and information retrieval using python

• **Activity Details** : following topics are covered

1. What is Natural Language Processing
2. Lexicon Analysis
3. Semantic Analysis
4. Sentiment analysis
5. Text Entailment.
6. Machine Translation
7. Question Answering System

**Venue of event:** Class Room 208

• **Committee Members:**

Dr. Makarand Shahade, Convener  
Prof. Ashish Awate, Coordinator



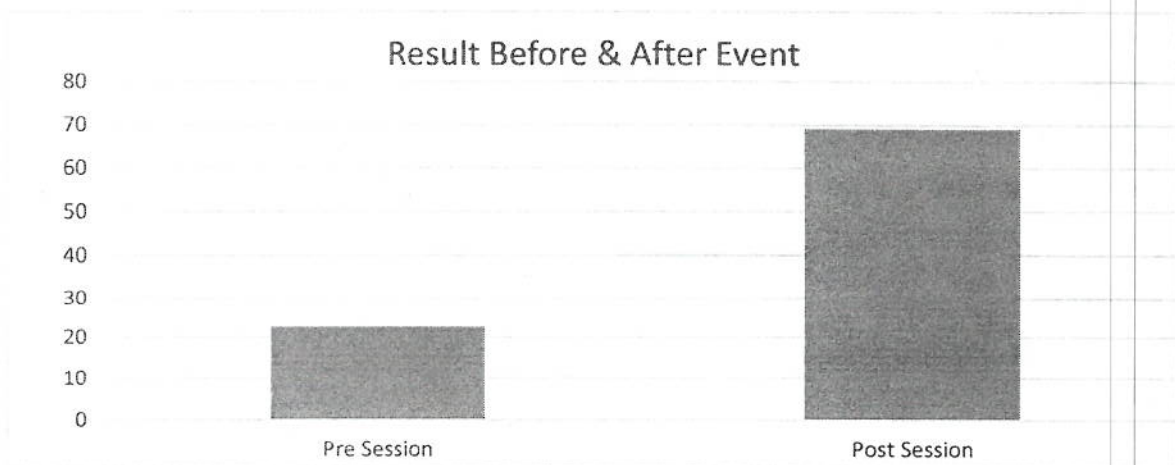
- **Total No. of Student Turned up:**

31 students participated from B. Tech Final Year Computer Engineering Department.

- **Outcome of Activity:**

1. Students understood basic the Natural Language processing
2. Students learn & understood the implementation of Word level analysis and syntactical and semantic analysis in NLP.
3. Student will learn and understand the process of sentiment analysis and information retrieval.

- **Expert Session Impact Analysis**



**Fig. Impact of Event After & Before Test**

- **Feedback of Session**

3. Feedback Form For Webinar 1 : Fundamental of Natural Language Processing by Dr. Nilesh Shelke (0 point)

[More Details](#)

■ Agree ■ Neutral ■ Disagree

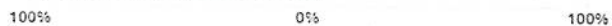
The session's objectives were clearly stated and met?



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



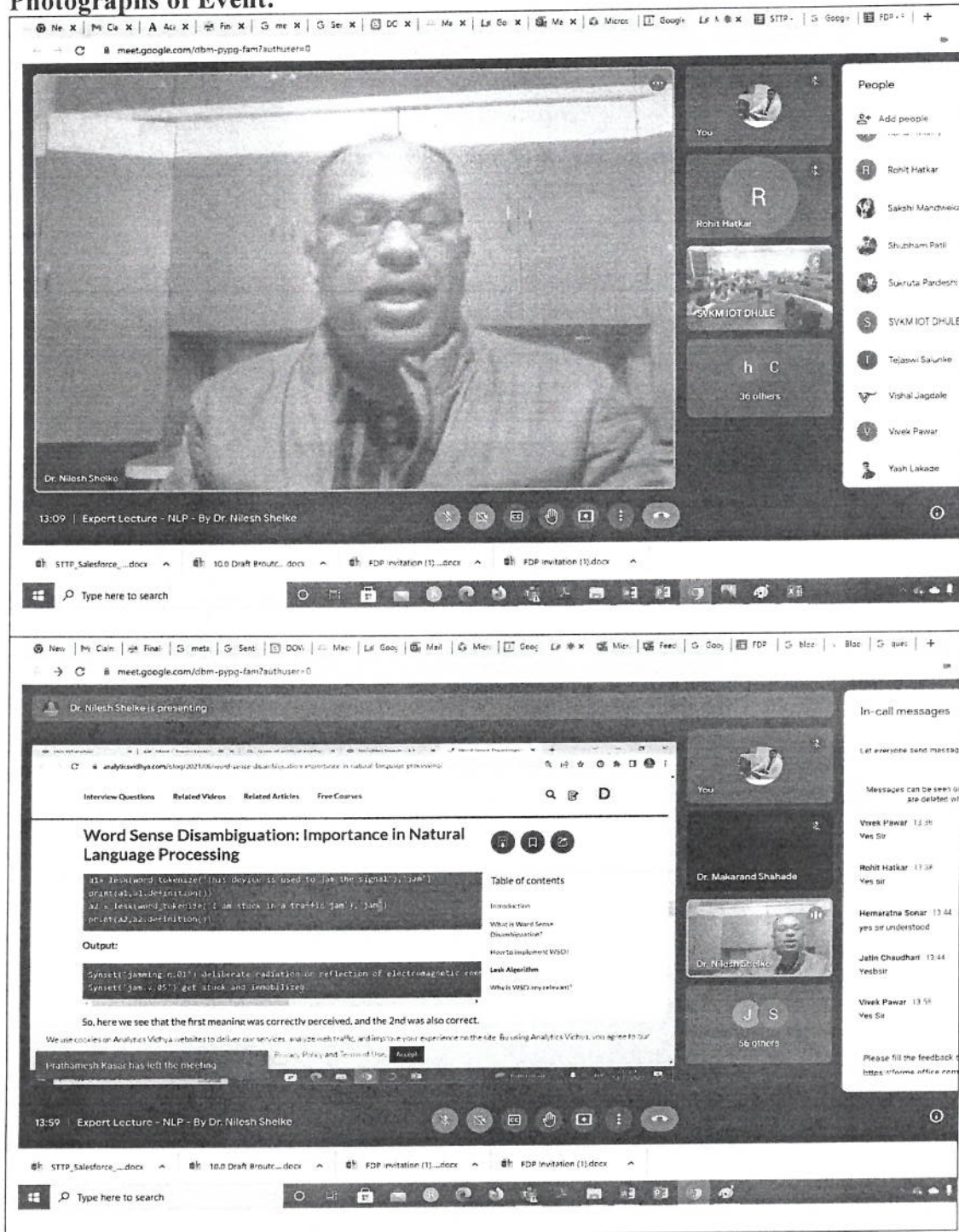
This session has increased my knowledge and skill in the discussed topic



**Fig. Feedback of Session by Student**



• **Photographs of Event:**



Dr. Nilesh Shelke is presenting

## Approach 1

### Architecture of Proposed System

```

graph TD
    A[Input comment] --> B[Preprocessing]
    subgraph B [Preprocessing]
        B1[Lingo word Correction]
        B2[Symbol Removal]
        B3[Feature Selection]
    end
    B --> C[Score Calculation]
    subgraph C [Score Calculation]
        C1[Noun Phrase]
        C2[Verb Phrase]
        C3[Calculate Polarity]
        C4[Calculate Intensity]
    end
    C1 --> C3
    C2 --> C3
    C3 --> C4
    C4 --> D[Classify]
    subgraph D [Classify]
        D1[Positive score]
        D2[Negative score]
    end
  
```

14:15 Expert Lecture - NLP - By Dr. Nilesh Shelke

Taskbar: fda29d120a2141...pdf, NLP.pdf, NLP\_D16.pdf, STIP\_Salesforce...docx, 10.0 Draft Broutc...docx, FDP invitation (1)...docx

Search: Type here to search

#### In-call messages

Let everyone send message

Messages can be seen on are deleted wh

yaan sonawane 14:00  
Yes sir understood

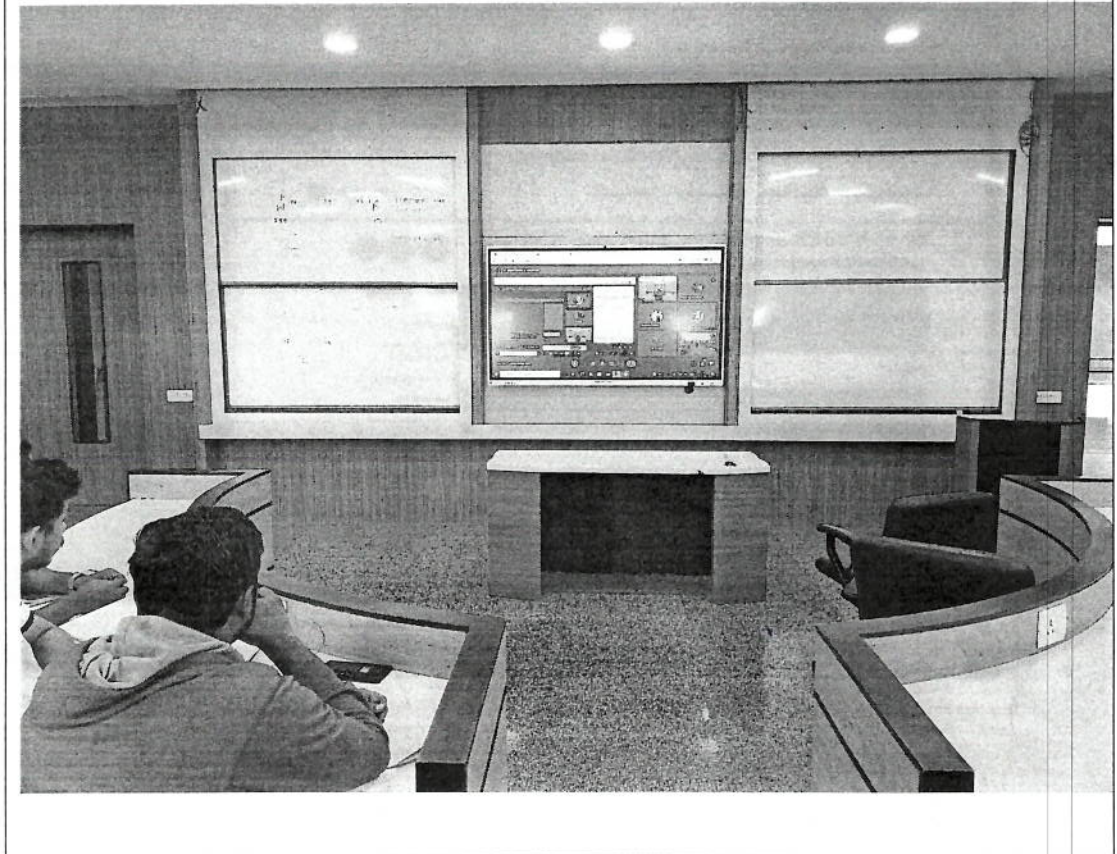
Rohit Hatkar 14:00  
Yes sir understood

Chetana Badgujar 14:00  
Understood Sir

Chandrakala Patil 14:01  
Understood sir

Kajal Suryawanshi 14:01  
Understood sir

Please fill the feedback o  
<https://forms.office.com>





SHRI VILE PARLE KELAVANI MANDAL'S  
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**Department of Computer Engineering  
Organizes**



**EXPERT TALK ON**

***FUNDAMENTALS OF NATURAL  
LANGUAGE PROCESSING***



**SPEAKER**

**Dr. Nilesh Shelke  
Associate Professor**

Department of Computer Engineering  
Jhulelal Institute of Technology, Nagpur

**Venue : Class Room 208, Dept.  
Computer Engineering**

**On Saturday  
03<sup>rd</sup> Dec 2022  
At 1.00 pm**

**Google Meet Link :-  
[meet.google.com/dbm-pypg-fam](https://meet.google.com/dbm-pypg-fam)**

**Coordinator**

**Prof. Ashish Awate  
Assistant Professor**

Department of Computer Engineering  
SVKM IOT Dhule.

**Convener**

**Dr. Makarand Shahade  
Associate Professor and HOD**

Department of Computer Engineering  
SVKM IOT Dhule.

**Prof. Ashish Awate  
Course Coordinator**

**Dr. Makarand Shahade  
HOD  
H.O.D. Computer Dept.  
SVKM's Institute of Technology, Dhule**



