XAVIER INSTITUTE OF ENGINEERING

A SISTER INSTITUTION OF ST. XAVIER'S COLLEGE

Guest lecture on "Semantic Technologies – Knowledge Graph and Ontology"

DATE: 23/02/2022

Event Coordinators:

1. ChhayaDhavale

2.Sushama Khanvilkar

Date & Place:

Online using Meet

23rd February 2022

Xavier Institute of Engineering

Department:

Information Technology &Computer Engineering

No of participant:

78

An online guest lecture was organized for T.E. (IT) and T.E.(COMP)on the topic "***Semantic Technologies - Knowledge Graph and Ontology***" and it was delivered by Dr. Ujwala H. Bharambe PhD (IITB) who works as an **Assistant Professor Thadomal Shahani Engineering College, Mumbai**.

The guest lecture was conducted using Google meet on23rd February2022 and was organized by Ms. Chhaya Dhavale from I.T Department and Ms.Sushama Khanvilkar from Computer Department.

Total 76 students attended the guest lecture and the objective of the guest lecture was to provide an insight to the third year students about the semantic technologies used in Artificial Intelligence in the form of Knowledge Graph and Ontology. Similarly, the speaker elaborated on how these technologies are applicable in the different domains in real time and explained the concept very well with analogies.

The speaker shared her views on 'artificial intelligence concepts related to knowledge representation, ontology and knowledge graph, recent applications.

The students were quite astonished at thewaygraph data structures used for knowledge representation in Artificial Intelligence. Overall, the session was very informative, interesting and motivating for students to explore knowledge representation and ontology in Artificial Intelligence.

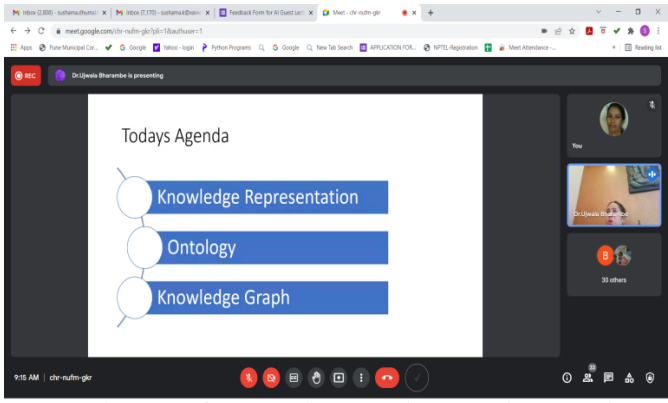
Student Feedback and Benefits: The students found the sessionvery informative, usefuland excellent. It was a knowledge gaining session about knowledge representation using graph data structure.

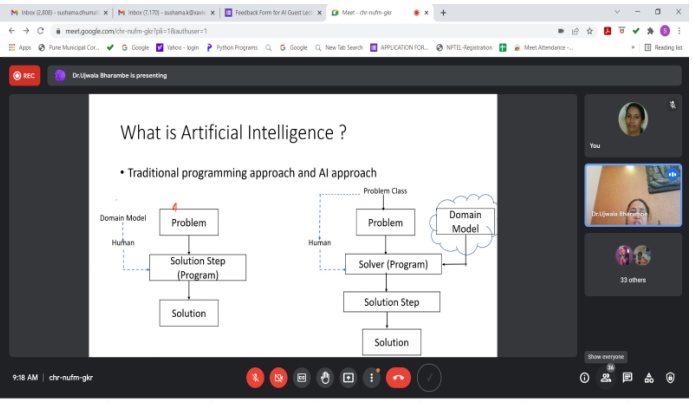
Ms. Chhaya Dhavale
Assistant Professor
I.T Dept.

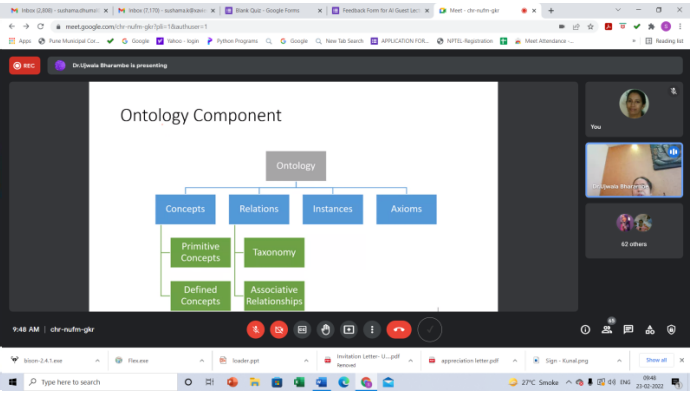
Ms. Sushama Khanvilkar
Assistant Professor
COMP Dept.

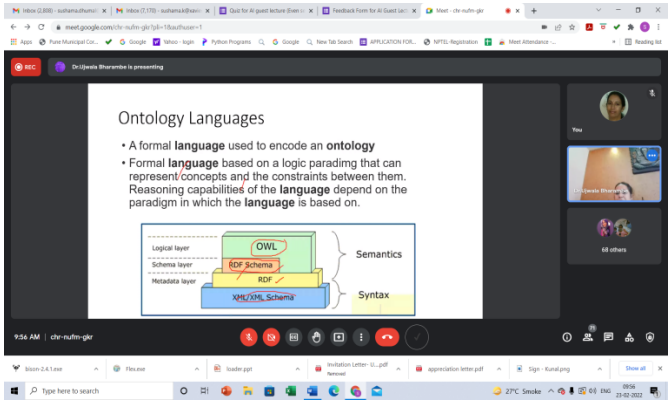
Dr. Y. D. Venkatesh
Principal

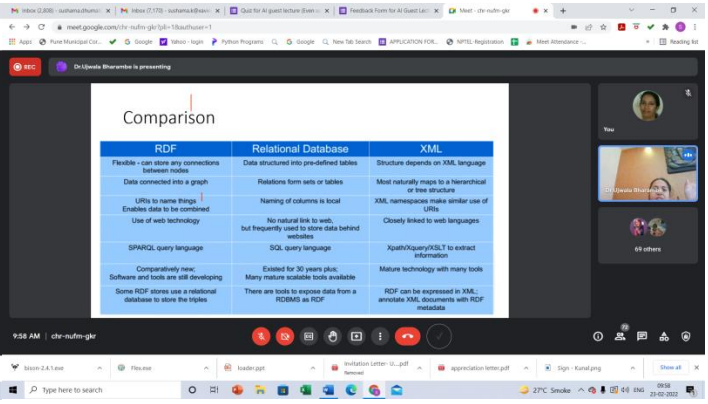
Images of the guest lecture

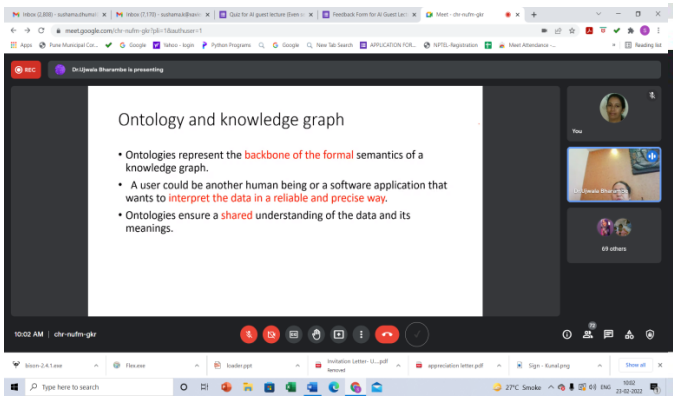


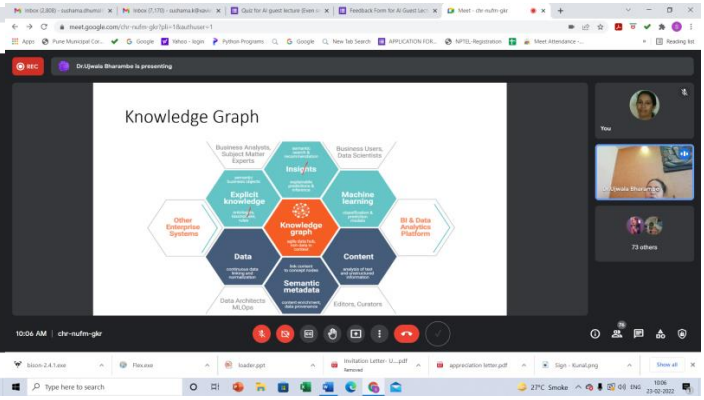









Dr.Ujwala Bharamba is presenting
Ontology and knowledge graph
• Ontologies represent the backbone of the formal semantics of a knowledge graph.
• A user could be another human being or a software application that wants to interpret the data in a reliable and precise way.
• Ontologies ensure a shared understanding of the data and its meanings.
You
69 others
10:02 AM | chr-nufm-gkr


Dr.Ujwala Bharamba is presenting
Knowledge Graph
Business Analysts, Subject Matter Experts
Business Users, Data Scientists
Insights
Explicit knowledge
Machine learning
Other Enterprise Systems
Knowledge graph
BI & Data Analytics Platform
Data
Content
Semantic metadata
Data Architects MLOps
Editors, Curators
You
73 others
10:06 AM | chr-nufm-gkr