

**DR. AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR**  
**DEPARTMENT OF COMPUTER APPLICATION (BCA)**

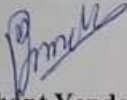
## **Notice**

All the students of BCA Sem.-V are hereby informed that the department of BCA is going to organize webinar on “**Artificial Intelligence (AI) & Machine Learning(ML)**” will be held on **12<sup>th</sup> November,2022 from 12.00 noon to 1.00 pm**. The online platform to attend the webinar will be **Google-Meet**. The Guest speaker is **Dr. Gopal Sakharkar , Associate Professor, D.Y. Patil College, Pune**. It is compulsory for all the students to attend the webinar.

Meeting details and Feedback form will be shared to you on official Whatsapp group.

Date : 10<sup>th</sup> November, 2022

**Mrs. Priyanka Soitkar**  
Coordinator

  
**Dr. Prashant Yende**  
HoD, BCA Department

**Dr. Mrs. B.A. Mehere**  
Principal

**PRINCIPAL**  
**DR. AMBEDKAR COLLEGE**  
NAGPUR

# **DR. AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR**

## **DEPARTMENT OF COMPUTER APPLICATION (BCA)**

### **GUEST LECTURE ON**

### **Artificial Intelligence and Machine Learning**

**By**

**Dr. Gopal Sakarkar, Associate Professor, D. Y. Patil, Institute of Master of Computer Application and Management, Pune**

**Date : 12<sup>h</sup> November 2022**

### **REPORT**

BCA department has organized a webinar on “Artificial Intelligence and Machine learning” on 12<sup>th</sup> November 2022. The speaker was Dr. Gopal Sakarkar, Associate Professor, D. Y. Patil, Institute of Master of Computer Application and Management, Pune

In his lecture he described Artificial intelligence as a constellation of many different technologies working together to enable machines to sense, comprehend, act, and learn with human-like levels of intelligence. Technologies like machine learning and natural language processing are all part of the AI landscape.

Dr. Gopal Sakarkar focused on how with Artificial Intelligence, machines perform functions such as learning, planning, reasoning and problem-solving. Most noteworthy, Artificial Intelligence is the simulation of human intelligence by machines. It is probably the fastest-growing development in the World of technology and innovation.

He also mentioned that AI is not a futuristic vision but rather something that is here today and being integrated with and deployed into a variety of sectors. This includes fields such as finance, national security, health care, criminal justice, transportation, and smart cities. This lecture helped students to understand ever changing nature of IT Industry and prepared them for careers pathway ahead.

To sum up, Sir added that Artificial Intelligence looks all set to be the future of the World. Experts believe AI would certainly become a part and parcel of human life soon. AI would completely change the way we view our World. With Artificial Intelligence, the future seems intriguing and exciting.

The guest lecture was coordinated by Dr. Prashant Yende and Mrs. Priyanka Soitkar. Other faculty members Dr. Harshala Pethe, Ms Shama Khan, Vaibhav bhagwat . also attended the session. The program was compered by Mr. Priyanka Soitkar and vote of thanks was given by Final year student Prateek Gadge.

# Glimpses of the webinar:-

**Machine Learning For Make Your Data Smart**

**Dr. Gopal Sakarkar**

IEEE, ISTE Member, Ph.D/CSCE  
Associate Professor, MCA Dept  
D Y Patil Institute of MCA and Management, Pune

11:09 AM | ttx-wjye-ttu

**Artificial Intelligence**

- 1956 – term AI was first coined at **Dartmouth Conference** organized by Marvin Minsky, John McCarthy.
- It is also a field of study which tries to **make computers "smart"**.
- They work on their own **without being encoded with commands**.
- For Example :
  - Apple's Siri, Google Assistant , Amazon's Alexa, and Microsoft's Cortana and serve users results that are tailored to their preferences.

11:15 AM | ttx-wjye-ttu

**Machine Learning Life- Cycle**

Machine Learning life-cycle diagram showing steps: 1. Gather Data, 2. Data preparation, 3. Data Wrangling, 4. Analyse Data, 5. Train Model, 6. Test Model, 7. Deployment.

11:23 AM | ttx-wjye-ttu

**Machine Learning Vs Traditional Programming**

Traditional Approach vs. Machine Learning Approach

11:31 AM | ttx-wjye-ttu

**Types of Machine Learning**

Supervised Learning      Unsupervised Learning

11:50 AM | ttx-wjye-ttu

**Most Important Python Machine Learning Libraries:**

- PyTorch:** It is Python's version of Torch, it is particularly useful for machine learning tasks like **natural language processing**.
- Pandas :** A data scientist's work begins with cleaning data, organizing data, and exploratory analysis.
- Matplotlib:** It is a data visualization library. While data visualization is not machine learning, but creating charts and graphs is necessary for the exploratory analysis phase of data science. In addition, if you are planning on presenting your work to non-technical people, you will need to make use of a visualization library.

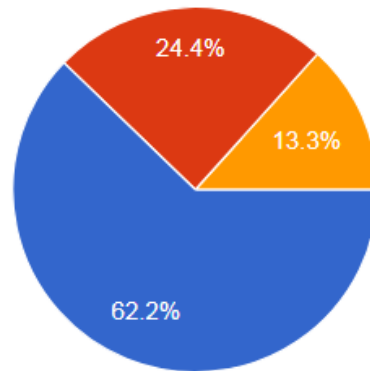
12:00 PM | ttx-wjye-ttu

## Feedback Form for AI and ML Webinar

How did you find the content of the sessions.

45 responses

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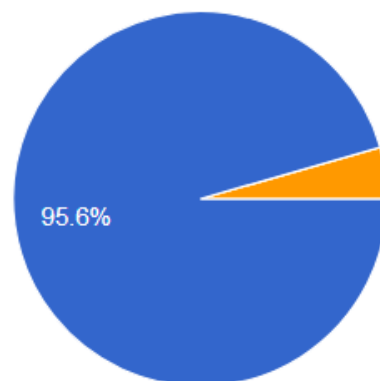


- Excellent
- Very good
- Good
- Fair
- Poor

Have the session benefited to you?

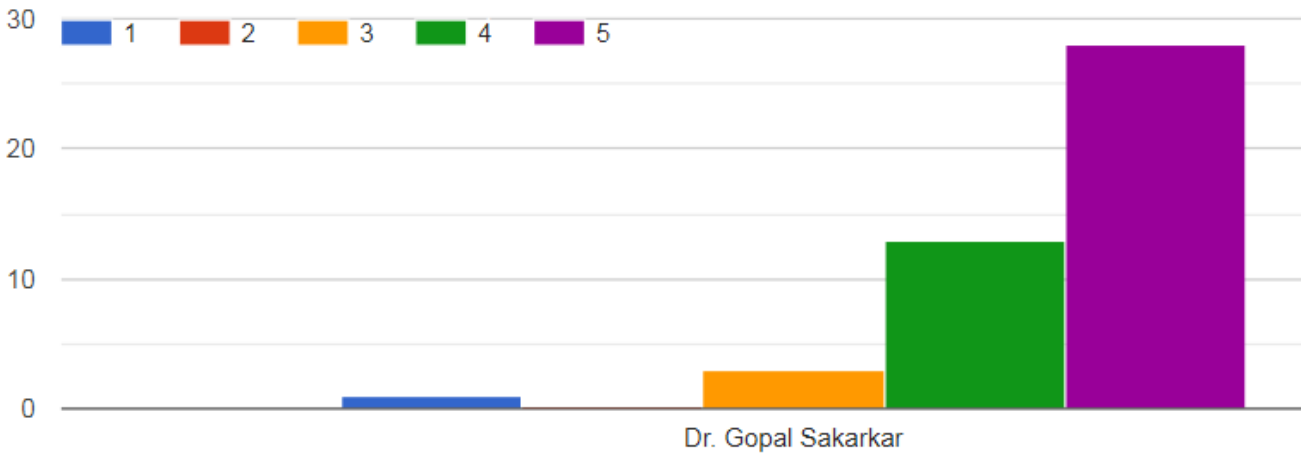
45 responses

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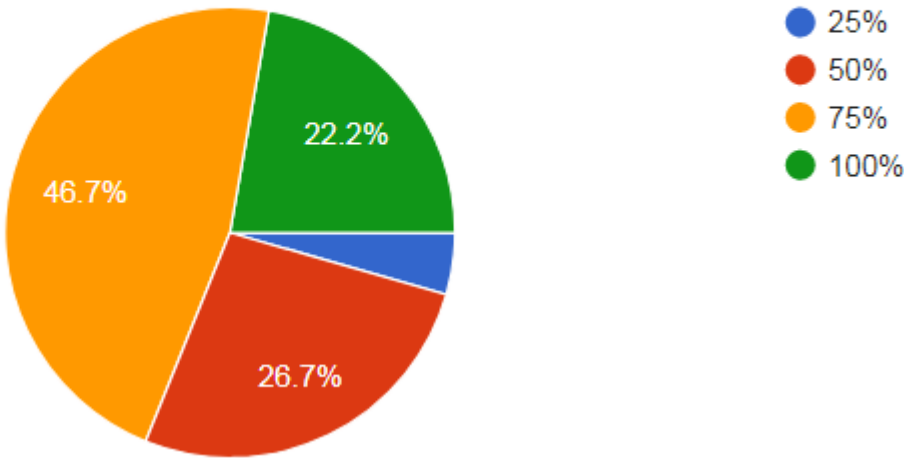
- Yes
- No
- Maybe

Give rating for speaker of the Guest lecture. (Note: Choose 1 for lowest rating and 5 for highest rating)



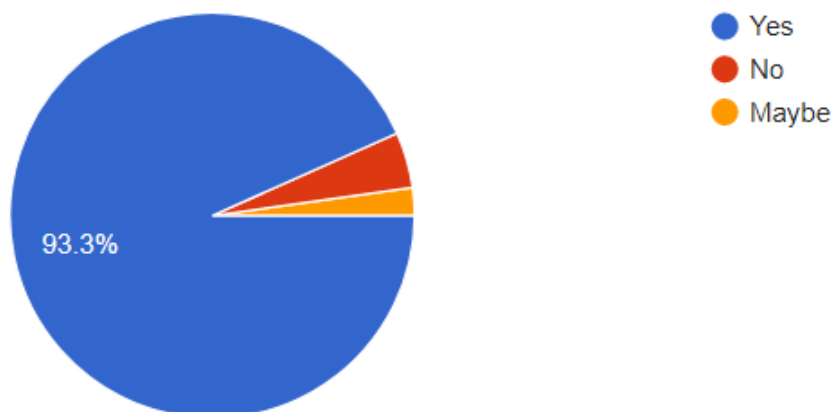
What percentage of the information was new to you?

45 responses



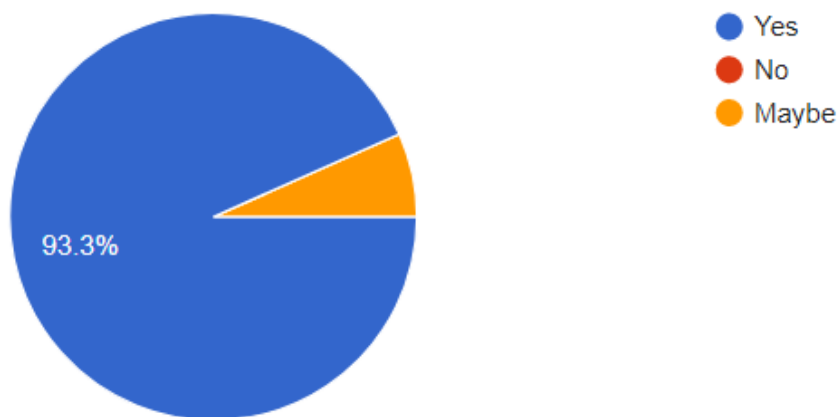
Would you be interested in attending such guest lecture in future?

45 responses



Would you like to seek guidance or knowledge from Sir if needed ?

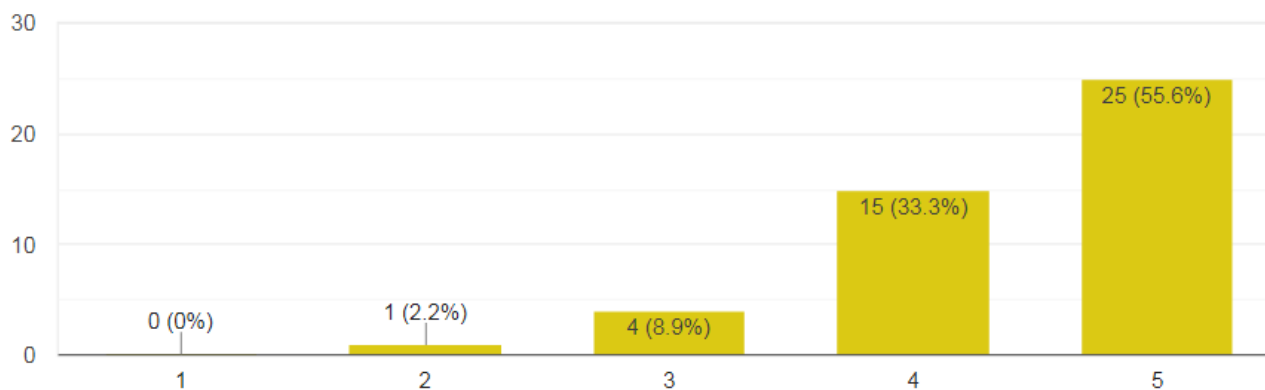
45 responses



As a speaker how much will you rate Sir in terms of topic, content information, knowledge and presentation?

 Copy

45 responses



## Kindly give you valuable remark about this guest lecture

27 responses

Informative session

Great webinar

Very good

The Session Was Good.

It was good.

excellent

Very Informative session

It was really a helpful session.

Nice

Best guest lecture

Very useful

Was an amazing session with Dr. Gopal sir extremely thankful for this.

Session was very informative , would like to attend more such sessions in future.

The session was so valuable.

It was very wonderful and informative session.

Was an excellent session!!

What a wonderful lecture it was ! I like the way of information delivery and content of the session

Excellent

Lecture was excellent

Nice

Best lecture

Excellent

It was good

Very informative lecture

Splendid & very informative session

It was very good. Hope you organise such lectures more in future.