

DAKSHA

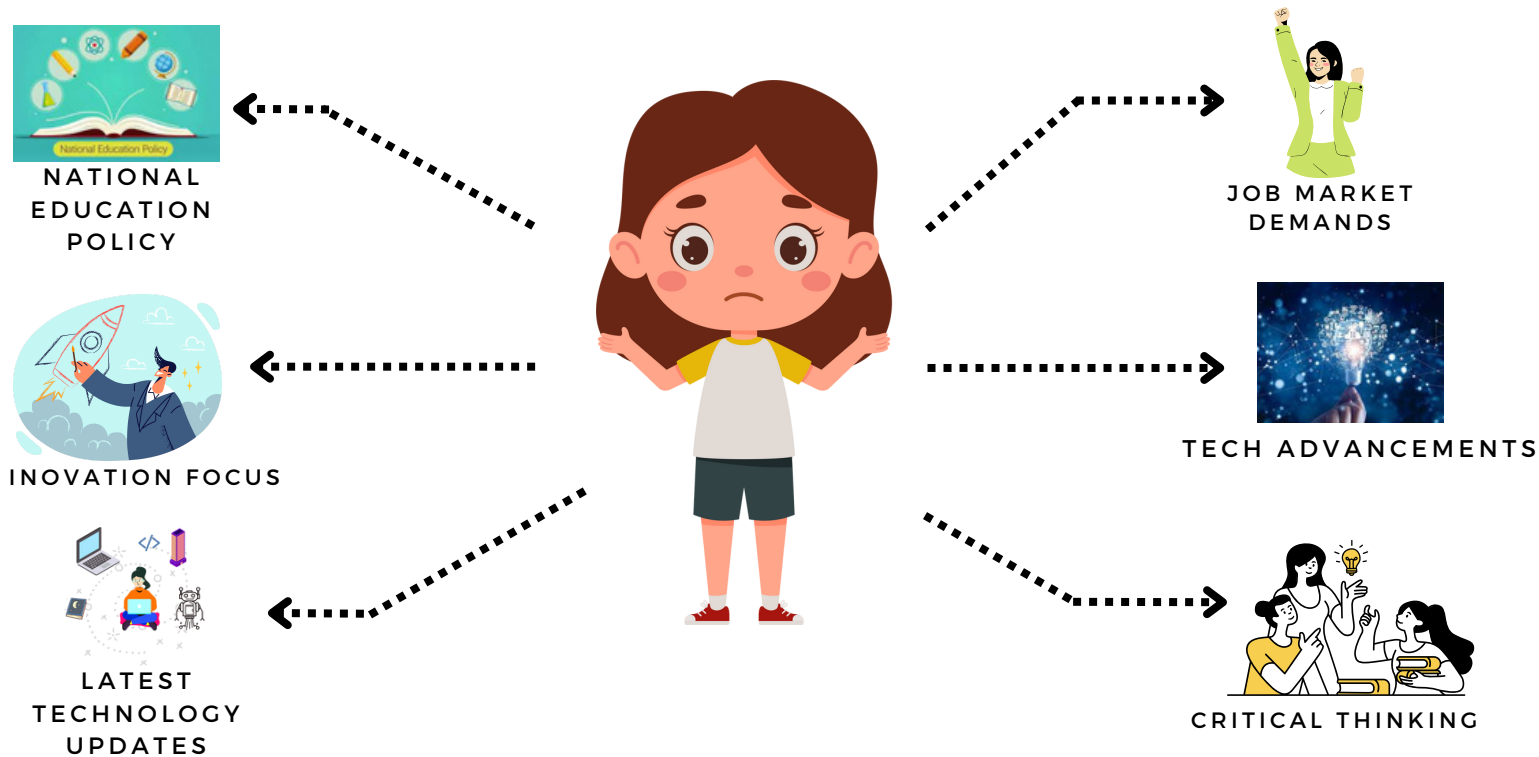
AI/ML Workshop
(26th - 28th December 2023)



Prepared By:
RISE, GYWS, IIT Kharagpur

NEED OF THE PROGRAM

- 1) **National Educational Policy Inclusion:** Although AI/ML is part of the national curriculum, its limited implementation in schools underscores the urgency for supplemental workshops.
- 2) **Tech Advancement:** Rapid tech evolution requires early AI/ML exposure for students.
- 3) **Job Market Demands:** AI/ML skills enhance students' competitiveness in the job market.
- 4) **Critical Thinking:** Workshop cultivates critical thinking and effective problem-solving.
- 5) **Innovation Focus:** Early exposure sparks innovation, nurturing a culture of creativity.



ABOUT THE PROGRAM

DAKSHA is a 3-day online workshop focusing on Artificial Intelligence and Machine Learning for students of Grade 8 to 12. This program addresses the increasing relevance of these technologies which aimed at bridging the gap between theory and application, it equips students with essential skills for future careers. During the workshop, students interacted with IIITians, answered knowledge-based questions via Google Forms, and received supplementary resources for deeper understanding. DAKSHA not only enhances technical proficiency but also fosters a forward-thinking mindset. The surprise session on Robotics on the third day adds an exciting element, showcasing real-world applications or industry insights. Ultimately, DAKSHA strives to inspire and prepare the next generation for a tech-driven future



LEARNING



AWARENESS



ENGAGEMENT



EMPOWERMENT



INFORMATIVE

The workshop was conducted over a span of three days. Day 1 consisted of mostly Artificial Intelligence (AI), its real-world applications and its various domains and career opportunities. While Day-2 focused on the aspects of Machine Learning, its types and a pinch of python programming to be familiar with AI/ML. Day 3 was a surprise event which consisted of ChatGPT tricks and its funny prompts. Also, on the last day, Mr. Ayashkanta Mishra conducted a rapid robotics session.

Link to Day-wise Video Recordings on YouTube:



[Day 1](#) (26th December)



[Day 2](#) (27th December)



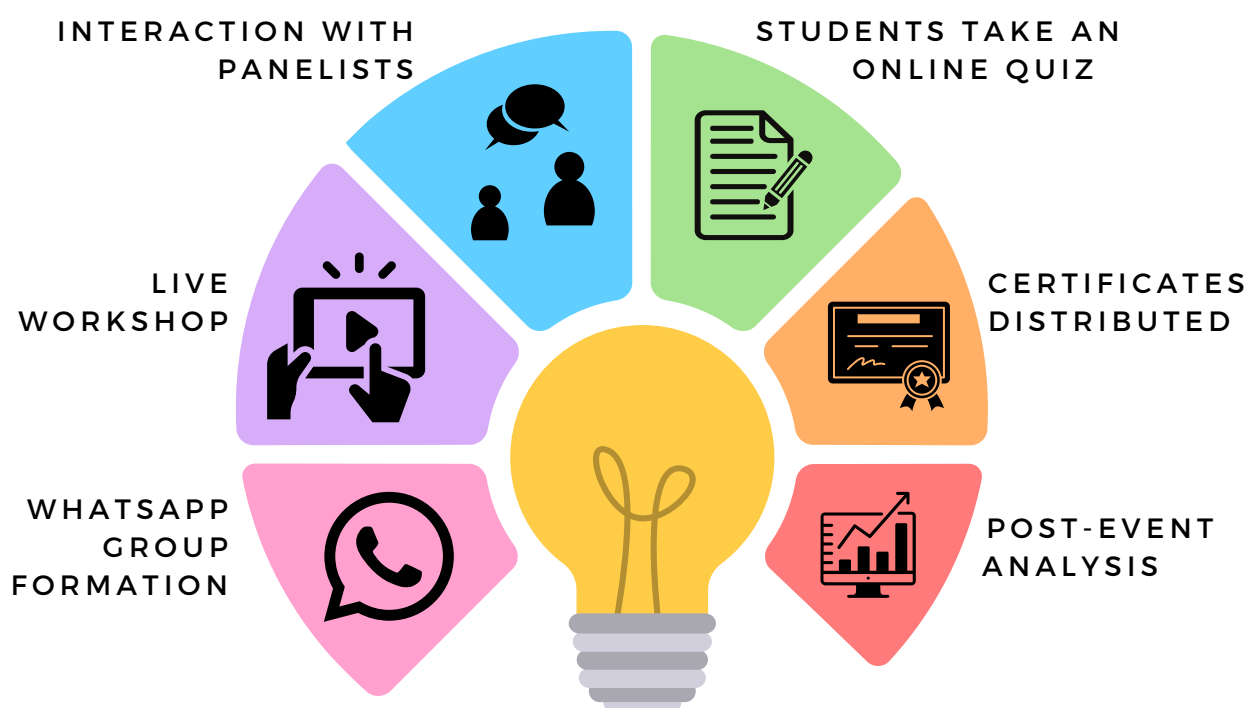
[Day 3](#) (28th December)

After publicising the events on various social media platforms, we received **870+** registrations of students out of which 25.7 % of students were from Government schools, 0.9 % of students were Home schooled, 68.9 % of students were from Private schools, and 4.5 % of students were from Government Aided schools.

PROGRAM IMPLEMENTATION

Once the registrations were completed, the students were informed and kept updated about the details through WhatsApp. On Day 1 of the event, topics such as AI and its domains, Real-world Applications, Natural Language Processing, Data Science and Computer Vision were covered. On Day 2 of the event, Machine Learning, its Timeline, Supervised, Unsupervised, Reinforcement learning and Future career paths of ML had been taught. Doubts were taken at the end of the session from the students. Junior Executive Members (JEMs) and Senior Executive Members (SEMs) solved the queries of the students. Recorded videos of the seminar were posted on the YouTube channel.

The event was carried out from 26th to 28th of December. After the event, students were given a form containing questions related to the topics discussed in the sessions. Total of 202 responses were received and certificates were distributed to those who responded.



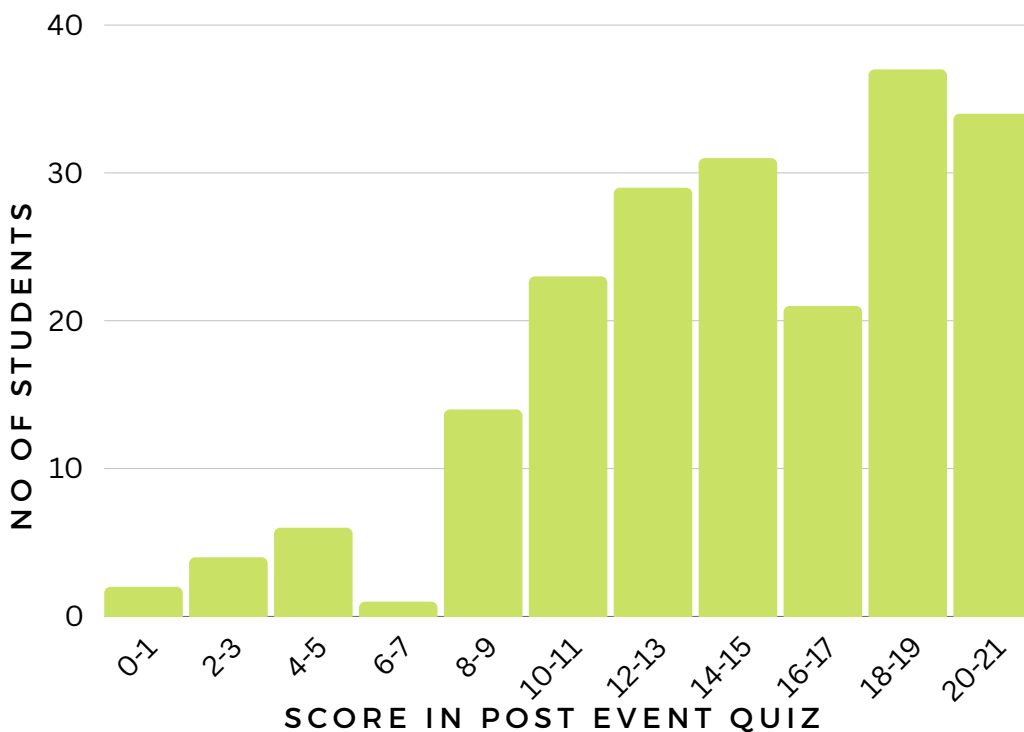
Registration
started
5th December 2023

End of Program
28th December 2023

Start of Program
26th December 2023

Certificates
distributed
7th to 9th January 2024

IMPACT & INSIGHTS



873

TOTAL NUMBER OF
REGISTRATIONS

202

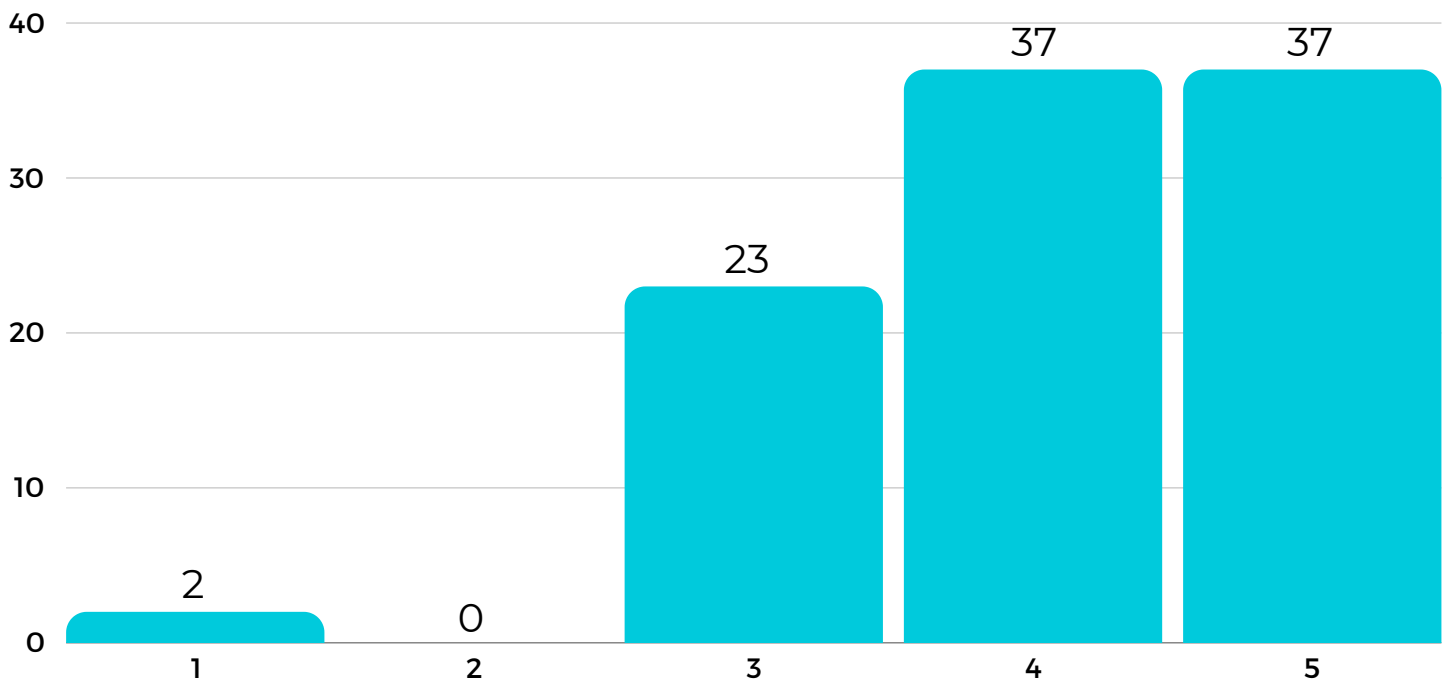
TOTAL NUMBER OF
STUDENTS WHO
RECEIVED
CERTIFICATES

8

INTERNATIONAL
REGISTRATIONS



TO WHAT EXTENT DID THE WORKSHOP ENHANCE YOUR BASIC UNDERSTANDING OF AI AND ML CONCEPTS?



OVERALL RATINGS GIVEN BY STUDENTS



DID THE WORKSHOP MEET STUDENTS EXPECTATIONS IN TERMS OF PROVIDING VALUABLE INSIGHTS INTO AI AND ML CONCEPTS?



HOW SATISFIED ARE STUDENTS WITH THE PRESENTATION STYLE AND DELIVERY OF THE WORKSHOP FACILITATORS?



WERE THE INTERACTIVE ELEMENTS OF THE WORKSHOP, SUCH AS Q&A SESSIONS AND SURPRISES AND FUNNY ELEMENTS, HELPFUL IN YOUR LEARNING PROCESS?



STUDENTS' TESTIMONIALS!

“

Thanks to Daksha and the wonderful teachers, learning with you was an incredibly enjoyable experience!

“ _____
KARUNA
_____ ”

“ _____
KRISHTINA
_____ ”

Strongly recommend this workshop for aspiring tech leaders! It inspires children to create impactful innovations that shape the future and contribute to the country's development.

Loved the memes for quick concept grasping! The class was engaging, fun, and a fantastic opportunity for all.

“ _____
JUI BARMUKH
_____ ”

“ _____
JAI PRAMOD KUMAR
_____ ”

Absolutely recommend it to my colleagues! It's:

- ☞ Nicely presented and to the point.
- ☞ Illustrative and makes learning joyful.
- ☞ Supported by good and friendly mentors.

The entire workshop was excellent, and I was impressed by the sessions. There's no room for improvement; everything was perfect.

“ _____
SANYAM
_____ ”

”

SOME GLIMPSES!

Gopali Youth Welfare Society

Yep..we know why you're scared to explore the depths 😊

AI

Machine Learning

Deep Learning

Math & Python code that is holding it all together 🤖🤖

Activate Windows
Go to Settings to activate Windows.

Anshu Singh

Swaralipi Datta

C TK
Chetan Tyisha P...

SR LS
SOUR... Lokesh S...

AS +107
Ayush S...

Gopali Youth Welfare Society

6 MODELS OF MACHINE LEARNING

- LINEAR REGRESSION**
 - Predicting house prices based on various features.
- IMAGE RECOGNITION**
 - Facial Security System, Social media tagging.
- SPEECH RECOGNITION**
 - Speech to Text Transcription Services.
- RECOMMENDATION**
 - Suggests movies or TV shows based on user's preferences.
- HEALTHCARE**
 - Diagnosis of diseases.

Activate Windows
Go to Settings to activate Windows.

Anshu Singh

Swaralipi Datta

C TK
Chetan Tyisha P...

PR LS
Pratham ... Lokesh S...

SR +107

Lokesh Saran

VISHAN VINAY

Tyisha Parthi Khakhar

SOURISH RASTOGI

Chetan

Anargh Jain

Virat

PG SS
PRINCE ... Sourish ...

S Sub

SB STEFY JA...

AD SNEHGU...

AB H

P VW

SS Sidharth...

PV padma V...

MA +107