Report on Online National Quiz on IoT with Machine Learning and Artificial Intelligence On 21.08.2021

Date of Event	21.08.2021
Name and Type of Event	Online National Quiz on IoT with Machine Learning and Artificial Intelligence
Conducted by	Mrs. Sweta Kumari Barnwal, Mr. Arvind Kumar Pandey
No. Of Participant	32

An Online *National Quiz on IoT with Machine Learning and Artificial Intelligence* was organized on 15.05.2021 via Google Form which was being coordinated by Ms. Sweta Kumari Barrnwal, Prof. Arvind Kumar Pandey, Head of CS and IT Department.

The Aim of this Quiz Competition was to make students aware on Latest Technologies around us used in IoT using Machine Learning and Artificial Intelligence. Total 32 students participated in this event. Certification was being issued to the one who scored marks above 80% of total marks.

Artificial Intelligence (AI), in at least one of its various forms, has had an impact on all major industries in the world today. AI has been particularly rampant in the past few years, as there have been several advancements in data collection, analysis and processing. The key contributors to these advancements are robust Internet of Things (IoT) connectivity and high-speed processors to fortify it.

Machine learning involves the usage of complex algorithms that automatically learn and refine the learning from a vast amount of data and data patterns. The performance of these systems plateau after an extended period of training.

Deep learning, on the other hand, is a subset of machine learning. Large neural networks (complex algorithms with brain-like functions) are constructed and trained with a huge amount of data continuously. The performance of these networks improves as the training increases. This results in the development of machines that can predict outcomes through deductive reasoning and logic.

Thus Question Bank in the Quiz was organized from different sections of technology such as Artificial Intelligence, Machine Learning, and Deep Learning Python and also questions were being raised from Mathematical Reasoning. The questions related to recent developments in the science background were also being put forward and it was being seen that students actively took part in the quiz and we got students from different states across India.

The Quiz was a One Day Program, students from ARKA JAIN University and students from outside University actively participated in the event. The Quiz was online and was being organized on 21.08.2021 via Google Form. The Quiz was being started by 11:00 am and was ended by 12:00 pm. In total 15 question were being asked from the field of Machine Learning and Artificial Intelligence.

Image of the Event

ARKA JAIN University
Jharkhand
Estd. Under Jharkhand State Private University Act

Online National Quiz on IoT with Machine Learning and Artificial Intelligence

Date: 21-08-2021
Venue:- GOOGLE MEET
Organized By: IT Club
ARKA JAIN University, Jamshedpur, Jharkhand

Contact Persons:

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Email *

Valid email

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Application of machine learning methods to large databases is called *

○ data mining.

○ artificial intelligence

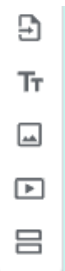○ big data computing

○ internet of things

If machine learning model output involves target variable then that model is called as *

○ descriptive model

○ predictive model

○ reinforcement learning

○ all of the above

Poster of the event

Registration Link:

https://forms.gle/cyBtbtmSCvKXEQkP8

List of Students:-

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32.	YASH KUMAR SINGH	9110943215	yashkumar0375@gmail.com

Question asked during the Quiz:-

Sl	Question Bank	Answer
1	_____ are designed to solve complex and advanced machine learning problems.	NN
2	The component of an Expert system is_____.	All of the above
3	Which rule is applied for the Simple reflex agent?	Condition-action rule
4	The exploration problem is where_____.	Agent does not contain the knowledge of State and actions.
5	Application of machine learning methods to large databases is called	data mining.
6	If machine learning model output involves target variable then that model is called as	predictive model
7	Which AI technique enables the computers to understand the associations and relationships between objects and events?	Pattern Matching
8	IoT gateway must provide _____	Protocol abstraction
9	Which challenge comes under IoT devices, reliable bidirectional signaling.	Signaling
10	What is the example for smart grid edge device for utility	Smart Meters
11	Which of the Following problems can be modeled as CSP?	All of the mentioned
12	Which of the factors affect the performance of learner system does not include?	Good data structures
13	Among the following which is not a horn clause?	$p \rightarrow \emptyset q$
14	The action 'STACK(A, B)' of a robot arm specify to _____	Place block A on block B
15	Elementary linguistic units that are smaller than words are?	all of the mentioned

Score Card:-

Certificates were being issued to the participants who scored 80% of marks .

SL. No	Name	Marks Obtained
1.	Shubham Gupta	7 / 15
2.	Nikhil Kumar Saw	14 / 15
3.	Sadique iqubal	14 / 15
4.	BABUL KUMAR TIWARY	14 / 15
5.	P.Divya Shree	3 / 15
6.	Rohit Prasad	3 / 15
7.	SHILPA KUMARI	14 / 15
8.	MANINI GADANAYAK	13 / 15
9.	Sachin Banerjee	14 / 15
10.	Sandeep kumar	14 / 15
11.	Uddeshya Rungta	15 / 15
12.	SUBHAM BARMAN	4 / 15
13.	VIKASH DAS	15 / 15
14.	GULAM MUSTAFA	14 / 15
15.	Rohit Roy	13 / 15
16.	Ani	7 / 15
17.	ANIKET VERMA	12 / 15
18.	Ankit Majumdar	3 / 15
19.	Mr.Uttam Maity	7 / 15
20.	Anjali Rani	14 / 15
21.	MANISH KUMAR	14 / 15
22.	Pawan Kumar Tripurari kumar Kushwaha	12 / 15
23.	Ankit kumar	14 / 15
24.	Deepshikha	15 / 15
25.	Pawan Kumar	12 / 15
26.	RAFA JAMEEL KHAN	13 / 15
27.	HARSHIT KUMAR SHARMA	14 / 15
28.	MR KALYAN MURMU	14 / 15
29.	Shalini	11 / 15
30.	HARADHAN BEHRA	15 / 15
31.	YASH KUMAR SINGH	15 / 15

Analysis of score

Average	Median	Range
11.69 / 15 points	14 / 15 points	3 - 15 points

Total points distribution
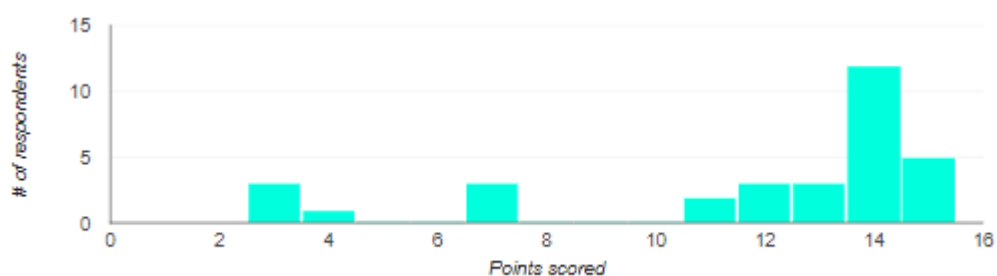
Analysis of the Event

College/Organization/University Name

32 responses
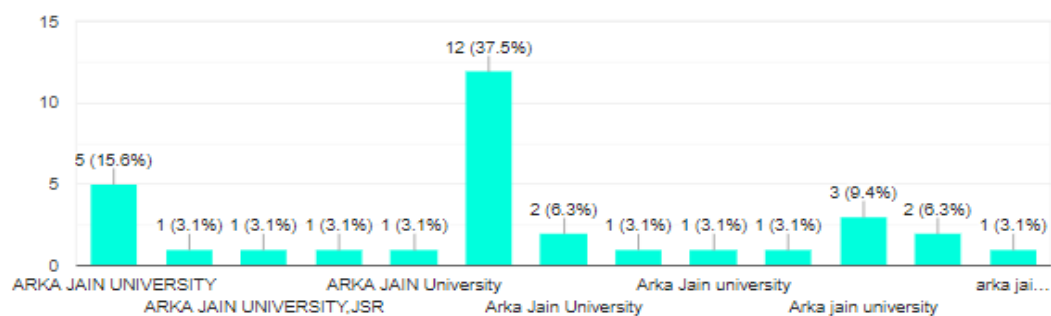
Affiliation

32 responses

- Students
- Research Scholar
- Faculty Academicians
- Others

84.4%
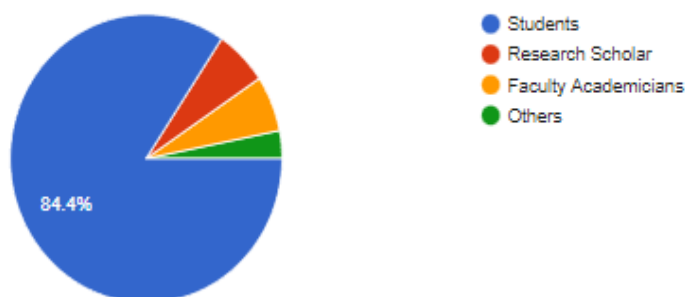
_____ are designed to solve complex and advanced machine learning problems.

15 / 32 correct responses
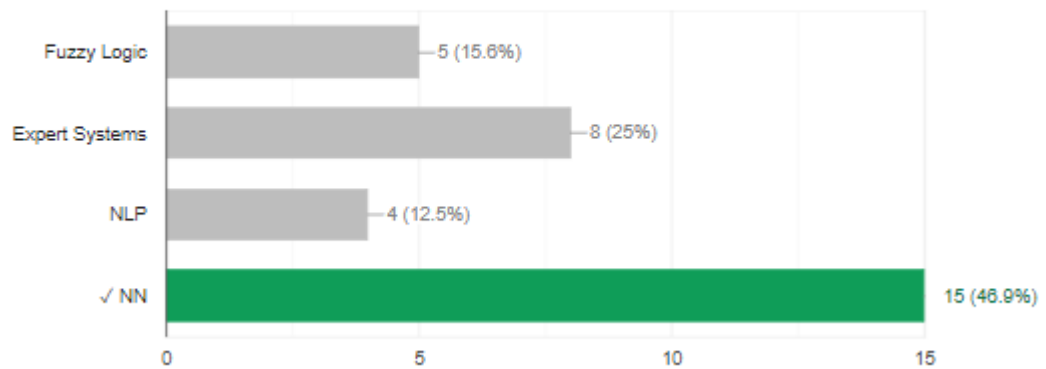
Application of machine learning methods to large databases is called

23 / 32 correct responses

Which AI technique enables the computers to understand the associations and relationships between objects and events?

26 / 32 correct responses

Certificate Copy

Date of Issued - 21.08.2021

JGi

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Jharkhand (Jamshedpur)

Certificate of Participation
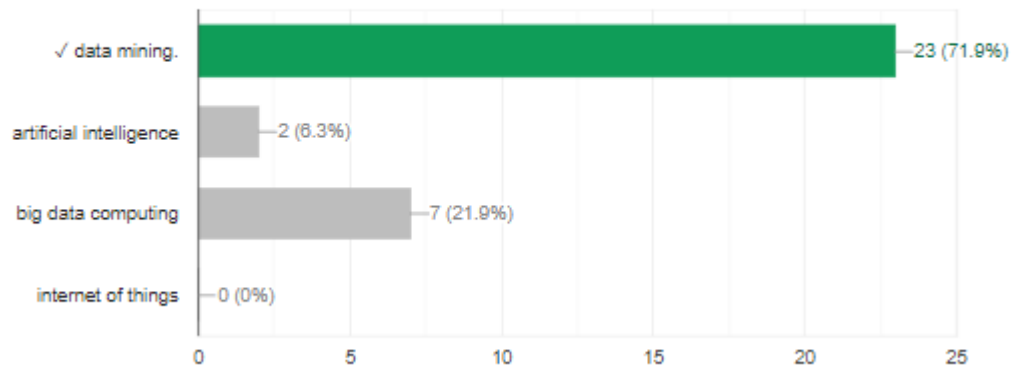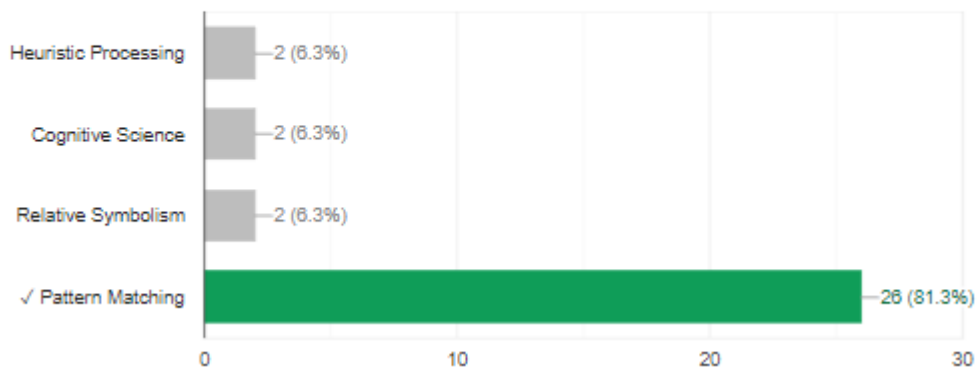
Presented To

Sadique iqubal

From ARKA JAIN UNIVERSITY, JAMSHEDPUR has participated in the "Online National Quiz on IoT with Machine Learning and Artificial Intelligence" organized by **IT - Club**, **Department of Computer Science & Information Technology**, ARKA JAIN University Jamshedpur Jharkhand, held On 21.08.2021.

Certificate No –4PY9ZI-CE000002

(Dr. Arun Kumar Marandi)   (Sweta Kumari Barnwal)   (Sneha Kashyap)   (Arvind Pandey)
Organising Secretary   Coordinator   Coordinator   HOD

Made for free with Certify'em

Date of Issued - 21.08.2021

JGi

ARKA JAIN University
Jharkhand (Jamshedpur)

Certificate of Participation

Presented To

HARSHIT KUMAR SHARMA

From ARKA JAIN UNIVERSITY, JAMSHEDPUR has participated in the "Online National Quiz on IoT with Machine Learning and Artificial Intelligence" organized by **IT - Club**, **Department of Computer Science & Information Technology**, ARKA JAIN University Jamshedpur Jharkhand, held On 21.08.2021.

Certificate No –4PY9ZI-CE000020

(Dr. Arun Kumar Marandi)   (Sweta Kumari Barnwal)   (Sneha Kashyap)   (Arvind Pandey)
Organising Secretary   Coordinator   Coordinator   HOD

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