



# Sarojini Naidu College for Women

(Govt. Sponsored)

30 Jessore Road, Kolkata - 700 028

Phone : 2559-2583, 2529-1985

Ref. No. : .....

Date : .....

**TITLE: One-day National level webinar On A Gentle Introduction to Machine Learning and Cloud Computing**

**On 28<sup>th</sup> May, 2022 at 1 PM**

A national level webinar on the topic "A Gentle Introduction to Machine Learning and Cloud Computing" was organized by the Department of Computer Science, Computer Application & IQAC, Sarojini Naidu College for Women, Kolkata on 28th May, 2022 at 1 PM.

## Objective

Now-a-days the term 'machine learning' is gaining popularity among common people as it is increasingly affecting various aspects of our day-to-day lives. Machine learning is a branch of artificial intelligence (AI) which focuses on the use of data and algorithms to imitate the way that humans learn, gradually improving its accuracy. Machine learning has helped us enhance not only many industrial and professional processes but also our everyday living. Machine learning algorithms are now used extensively to solve various challenges ranging from traffic predictions to self-driving cars. Many of today's leading companies, such as Facebook, Google and Uber, make machine learning a central part of their operations. A well-known example of machine learning is Google Map which provides assistance in directions and traffic, using machine learning algorithms. Machine learning is also the core method that will enable self-driving vehicles to visualize and predict the behaviour of their surrounding objects and will be a part of our everyday life soon. Considering its vast real-life applications, the first lecture introduces Machine Learning along with its applications.

Designing a Machine learning model leads to a real-world problem which involves the requirement of a large computational power and the usage of a huge amount of data which is not easily affordable and maintainable by an individual or an organisation. Here comes the term 'cloud computing'. Cloud computing provides on-demand access to computing resources like applications, servers, data storage, development tools, networking capabilities

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etc. via the Internet. In case of cloud computing the cloud service provider maintains a remote data centre. So the organisations need not build or maintain their own IT-infrastructure. Among other benefits, cloud computing offers easy scale-up or scale-down computational and storage needs. In effect, it can be used to model a real-life problem, in a cost-effective way. Realizing its importance, the second lecture introduces cloud computing.

## Content

The webinar conducted by Dept. of Computer Science and Computer Application, started at 01:00 pm, on 28<sup>th</sup> May, 2022, with the introduction given by Dr. Anindita Raychaudhuri. The dignitaries on the dais were Dr. Anabik Pal, Assistance Professor, Computer Science and Engineering, School of Engineering and Sciences, SRM University-AP, Amaravati and Dr. Deepsuhra Guha Roy, Assistant Professor, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore. Dr. Anindita Raychaudhuri, Joint Convenors of the webinar introduced the speakers and welcomed all the audiences. She expressed her gratitude to The Principal and the IQAC of the college for giving an opportunity to organise a seminar on this theme. She observed the honorable presence of Dr. Urmila Ukil, Principal. The welcome address was given by Dr. Urmila Ukil, Principal, who highlighted the practical importance of Machine Learning and Cloud Computing in modern life. Afterwards, a recorded keynote address from honourable President of the governing body of the college, Dr. Anjan Sinha, was played. After his informative address Dr. Santwana Chakraborty, ex-coordinator of IQAC, delivered a welcome note to the speakers and the audiences on behalf of IQAC.

In his speech, Dr. Anabik Pal, precisely described what machine learning is, its applications, algorithms used and the prediction models related to machine learning. He gave emphasize on Regression analysis as a technique of machine learning. In his valuable lecture he also focused on both supervised and unsupervised learning. He also pointed out the capabilities of machine learning for prediction tasks.

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In the second speech, Dr. Deepsubhra Guha Roy described various aspect of cloud computing in a very comprehensive manner. He has analysed the requirement and importance of Big Data or Clouds in our day-to-day life. He had explained how IoT applications, and the cloud and the Internet works together. He also discussed about the different types of cloud services and deployment models. He mentioned some of the challenges like security issues, associated with Cloud Computing. At the end of his lecture he gave the introduction of Anka, a cloud Application Platform for Resource-intensive apps.

The audiences enthusiastically participated during interactive sessions. The program wrapped up around 04:00 pm with the vote of thanks given by Dr. Anandarup Roy, Joint Convenors of the webinar.

The Webinar was conducted using Google Meet. It was also made live on YouTube.

## Outcome

The webinar observed total 45 active participants from various institutions of India. Formal feedback has been collected from all the participants through Google Form. Most of the participants expressed their satisfaction on the topic and the quality of lectures.

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One Day National Level Webinar on "A Gentle Introduction to Machine Learning and Cloud Computing" (Responses).xlsx

Timestamp	Name	Designation	Name of the Institution	Name of the Department
5/22/2022 11:21:10	PRITAM CHATTERJEE	State Aided College Teacher	SAROJINI NAIDU COLLEGE FOR WOMEN	ECONOMICS
5/22/2022 11:22:58	Dr. Debalina Sengupta	Assistant Professor	Debalina Sengupta	English
5/22/2022 11:23:27	Mousumi Guha	State Aided College Teacher	Sarojini Naidu College for Women	Anthropology
5/22/2022 11:29:59	Dr. Mrityunjay Datta	Assistant Professor	Sarojini Naidu college for Women	Chemistry
5/22/2022 11:53:30	Sayani Sen	State Aided College Teacher	Sarojini Naidu College for Women	Computer Application
5/22/2022 11:57:58	Sagarika Sarkar	State Aided College Teacher	Sarojini Naidu College for Women	Botany
5/22/2022 12:59:56	Debusi Misra Chowdhur	Assistant Professor	Sarojini Naidu College For Women	Bengali
5/22/2022 13:09:21	Dr. Jaydeep Rishi	Associate Professor	Sarojini Naidu College for Women	English
5/22/2022 13:54:37	Barnali Roy	State Aided College Teacher	Sarojini Naidu college for woman	Bengali
5/22/2022 14:38:57	Nandini Chakravorty	Associate Professor	Sarojini Naidu College for Women	Mathematics
5/22/2022 15:05:52	Dr. Madhuban Maji	Assistant Professor	Sarojini Naidu college For Women	Anthropology
5/22/2022 16:09:40	DR. REBA MAJI	Assistant Professor	Sarojini Naidu College for Women	Mathematics
5/24/2022 16:06:43	Shalini Biswas	Student	Sarojini Naidu College for Women's	Computer Application
5/24/2022 16:07:44	Piyasa Das	Student	Sarojini Naidu College for Women	Bsc Computer science (hons)
5/24/2022 16:08:55	SHALINI BISWAS	Student	Sarojini Naidu College for Women's	Computer Application
5/24/2022 16:20:10	Priti Sil	Student	Sarojini Naidu College for Women	Computer Science
5/24/2022 16:20:24	SWARNANJALI DEY	Student	SAROJINI NAIDU COLLEGE FOR WOMEN	COMPUTER APPLICATIONS DEPARTMENT
5/24/2022 16:44:58	Anushka Dutta	Student	Sarojini Naidu College for Women	Computer Application
5/24/2022 16:47:16	Ankita Paul	Student	Sarojini Naidu college for women	Computer Applications honours
5/24/2022 16:48:26	Piu biswas	Student	Sorojini Naidu college for women	Computer application hono
5/24/2022 17:39:53	Debapriya Saha	Student	Sarojini Naidu College For Women	Bsc in computer application
5/24/2022 17:57:00	sibani sharma	Student	Sarojini Naidu College for Women	computer application (hons)
5/24/2022 17:57:28	puja Mallick	Student	Sarojini naidu college for women's	Computer Application
5/24/2022 18:06:11	Suparna Malakar	Student	Sarojini Naidu College For Women	Computer Application
5/24/2022 18:35:45	Baisnaki Das	Student	Sarajini Naidu College for women	Computer Application Honors
5/24/2022 19:06:01	Sayani Paul	Student	Sarojini Naidu College for Women	Computer Science
5/24/2022 19:39:31	Dr. Anindita Raychaudhu	Assistant Professor	Sarojini Naidu college for women	Computer Application
5/24/2022 19:45:44	Moni Chowdhury	Student	AYETRI BISWAS	AYETRI BISWAS
5/24/2022 21:14:35	AYETRI BISWAS	Other	AYETRI BISWAS	AYETRI BISWAS
5/24/2022 22:22:29	Suparna Saha Biswas	State Aided College Teacher	Sarojini Naidu College For Women	COMPUTER APPLICATION
5/24/2022 23:06:22	Aisana Zeba Yasmin	Student	Sarojini Naidu College for Women	Computer Science
5/24/2022 23:12:07	Pouliomi Mukherjee	Student	Sarojini Naidu college for women	BCA Honours
5/25/2022 13:30:28	Puja Dey	Student	Sarojini Naidu College for Women	Computer application
5/25/2022 13:31:35	Fiza kamal	Student	Sarojini Naidu College for Women	Computer application honours
5/25/2022 13:44:34	Indrani Mondal	Student	Sarojini Naidu College for Women	Computer Application
5/25/2022 17:29:47	Abhra Giri	State Aided College Teacher	Sarojini Naidu College for Women	Physics
5/25/2022 19:32:25	Urbi Biswas	Student	Sarojini Naidu College for women	Computer applications
5/26/2022 18:39:45	LIPi BEGAM	Assistant Professor	LIPi BEGAM	LIPi BEGAM



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Timestamp	Name	Designation	Name of the Institution	Name of the Department
5/26/2022 18:44:37	Diptamoy Ghosh	State Aided College Teacher	R. B. C. College	Computer Application
5/26/2022 19:51:22	JOYJITA PAL	Student	SAROJINI NAIDU COLLEGE FOR WOMEN	COMPUTER APPLICATION HONOURS
5/26/2022 20:00:00	Itika dey	Student	Sarojini Naidu College for women	Computer applications honours
5/26/2022 20:13:31	Tapoja Saha	Student	Sarojini Naidu college for women	Computer Application
5/27/2022 11:58:05	Anindita Sadhukhan	Student	Sarojini Naidu College for Women	Computer Application
5/27/2022 12:35:52	Sanhita Ghosal Mukhopje	State Aided College Teacher	Sarojini Naidu College for Women	Computer Application
5/27/2022 15:56:55	Samadrita Das	Other	Samsi college, samsi ,malda	Library
5/27/2022 20:39:21	DIBITA MULLICK	Student	SAROJINI NAIDU COLLEGE FOR WOMEN	Computer Application (B.A. HONOURS)
5/28/2022 0:22:52	Chinmoy Mondal	Student	PTU	BCA
5/28/2022 6:36:18	Dr. Jamaluddeen	Assistant Professor	University of North Bengal	Commerce
5/28/2022 10:55:28	Adrija Mukherjee	Student	Sarojini Naidu College For Women	Computer Science
5/28/2022 11:00:16	Paramita Saha	Student	Sarojini Naidu College For Women	Computer Application honours
5/28/2022 11:03:01	Akanksha Bose	Student	Sarojini Naidu College For Women	Computer Science
5/28/2022 11:04:10	Barsha Manna	Student	Sarojini Naidu college for women	Computer Science
5/28/2022 11:07:18	Susmita Saha	Student	Susmita Saha	Susmita Saha
5/28/2022 11:21:53	Md Ali Ahamed	Assistant Professor	Sarojini Naidu College for Women	Philosophy
5/28/2022 14:21:19	Rinpa Saha	Student	Sorojini Naidu College for Women	Computer Application
5/28/2022 14:43:27	Shreya chakraborty	Student	Sarojini Naidu College for Women	Computer application
5/29/2022 10:10:54	Antara halder	Student	Sarojini Naidu college for Women	Bsc honours computer science