



ANNUAL REFRESHER PROGRAMME IN INNOVATION OF TECHNOLOGICAL ADVANCEMENT

ARPITA 2023

Organised by
Department of Information Technology
In Association with Internal Quality Assurance Cell (IQAC)
Haldia Institute of Technology

2nd January, 2023 - 14th January 2023

TOPICS

- ✓ Introduction, Sample Space, Random Variable, Probability Axioms
- ✓ Conditional Probability, Bayes Theorem, Independence of Events
- ✓ Probability Distribution
- ✓ Continuous Random variables
- ✓ Neural Network
- ✓ Supervised Learning (Regression/Classification)
- ✓ Unsupervised Learning (Clustering)
- ✓ Evaluating Machine Learning algorithms and Model Selection
- ✓ Hands on Machine Learning with Python

ABOUT THE PROGRAMME

With the increased availability of data from varied sources there has been increasing attention paid to the various data driven disciplines such as analytics and machine learning. In this course we intend to introduce some of the basic concepts of machine learning from a mathematically well motivated perspective. We will cover the different learning paradigms and some of the more popular algorithms and architectures used in each of these paradigms.

Registration

https://docs.google.com/forms/d/e/1FAIpQLSclvdUWilMf1INIPibeQBGEevZC_UzXaYdyR5iy7czl4s9Ug/viiewform?usp=sf_link

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REGISTRATION FEES RS.200/



Department of
Information Technology
Haldia Institute of Technology

*Programme will be conducted in Hybrid mode

**Participation is subject to payment verification.

For any further query feel free to contact hit.it.arpita@gmail.com

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SCHEDULE

DATE	TIME(11AM - 1:00PM)
02/01/2023	Inauguration and speech by Dr. S Mondal(Principal, Haldia Institute of Technology) and Dr. T.K Jana (Dean Engineering, Haldia Institute of Technology)
02/01/2023 -03/01/2023	Probability & Statistics Dr. Biplab Sinha Mahapatra (Assistant Professor, SASH, Haldia Institute of Technology)
04/01/2023 -05/01/2023	Neural Network Dr. Chandan Giri (Associate Professor, Department of Information Technology, IEST, SHIBPUR)
06/01/2023 - 09/01/2023	Machine Learning Dr. Soumen Paul(HOD & Professor, Department of Information Technology, HIT, Haldia)
10/01/2023 – 13/01/2023	Machine Learning with Python(Theory with detailed Hands-on) Dr. Arif Ahmed Sekh(Assistant Professor II, Department of CSE,XIM University, Odisha)
14/01/2023	Data Visualization with Python Mr. Sohom Ghosh(Data Scientist, Fidelity Investments) Followed by feedback and assessment test