

One Week online Faculty Development Programme

On Introduction to Machine Learning

Under the banner of

Department of CSE
INDIRA GANDHI DELHI TECHNICAL
UNIVERSITY FOR WOMEN
(IGDTUW)

21st - 25th June, 2021



Patron

Dr. (Mrs.) Amita Dev
Hon'ble Vice Chancellor, IGDTUW

Advisor

Prof. Seeja.K.R
Professor & HOD, CSE, IGDTUW

Coordinators

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Assistant Professor, CSE, IGDTUW

Organized by
Department of CSE, IGDTUW, Delhi.

Organizing Committee

Prof. Ela Kumar
Prof. D. K. Tayal
Prof. S.R.N.Reddy,
Mr. B. Indra Thannaya

Ms. Vibha Pratap
Mrs. Arunima Jaiswal
Ms. Khyati Ahlawat

About IGDTUW

Indira Gandhi Delhi Technical University for Women (IGDTUW) has been upgraded from Indira Gandhi Institute of Technology in May 2013 vide Delhi State Legislature Act 9, 2012, as a non-affiliating teaching and research University at Delhi to facilitate and promote studies, research, technology, innovation, incubation and extension work in emerging areas of professional education among women, with focus on engineering, technology, applied sciences, management and its allied areas with the objective to achieve excellence in these and related fields. The objective of the University is to foster industry relevant research and innovations and empower the women of our country through value based higher education making them employable, self-reliant, responsible citizen of the country with concern for environment and society.

About Department of CSE

The Computer Science and Engineering Department is the most versatile department of college and caters to the needs of other departments as well. The department aims at developing the fundamental conceptual knowledge along with the total personality,

which helps computer engineers to face the challenges of rapidly changing software industry. Numerous professional activities are conducted to improve interaction between students, faculty, other academic institutions and industries. The Department offers B.Tech, M.Tech (AI), and Ph.D Courses.

Objective and Scope

This Faculty Development Programme (FDP) is devoted to addressing the need to enhance the knowledge about the latest technology pertaining to Machine Learning (ML) usually considered as the subset of Artificial Intelligence (AI). Machine Learning that is capable of learning unsupervised/supervised from data that is unstructured or unlabeled. It imitates the workings of the human brain in processing data and creating patterns for use in decision making. The objective of this FDP is to introduce the participants to the world of Machine Learning and give an insight on how and where it can be used.

- The objective of the FDP is to introduce fundamentals Machine Learning.
- This FDP will be a very useful platform for Faculty and researchers to update their knowledge
- This FDP also focuses on exploring various research opportunities and challenges in the field of Machine Learning.

Topics to be covered

- Introduction to Machine Learning
- Modeling and Evaluation
- Dimensionality Reduction
- Feature selection
- Supervised Machine Learning Algorithms
- Un-Supervised Machine Learning Algorithms

Resource Persons and Schedule

Date & Time	Resource Person	Topic
21-06-2021 (5:30 PM to 7:30 PM)	Dr. Amit Kumar Das Senior Research Scientist, Data Science Lab, AKCSIT, University of Calcutta.	Introduction to Machine Learning
22-06-2021 (5:30 PM to 7:30 PM)	Dr. Amit Kumar Das Senior Research Scientist, Data Science Lab, AKCSIT, University of Calcutta.	Modeling and Evaluation
23-06-2021 (5:30 PM to 7:30 PM)	Dr. Saptarsi Goswami Assistant Professor Bangabasi Morning College, University of Calcutta	Dimensionality reduction techniques - Feature selection, PCA, LDA, etc.
24-06-2021 (5:30 PM to 7:30 PM)	Dr. Amit Kumar Das Senior Research Scientist, Data Science Lab, AKCSIT, University of Calcutta.	Supervised learning algorithms
25-06-2021 (5:30 PM to 7:30 PM)	Dr. Saptarsi Goswami Assistant Professor Bangabasi Morning College, University of Calcutta	Unsupervised learning algorithms

FDP includes

One week FDP will be taken by Academic/Industry Experts. The training hour is 2 hours per day. Mode of training is Instructor-led live online.

- ✚ 10 Hours Instructor-led live online based learning & Interactive Query Session.
- ✚ Participants will get **e-certificate** after successful completion of course.
(70% attendance and Online Quiz)

Who Can Participate

Faculty, Research Scholar, and UG/PG Students of UGC/AICTE recognized Universities and Engineering colleges all over India.

Registration Fee

No Registration fee.

Registration Process

1. **Link for registration:**
<https://forms.gle/bp6KrLUknCfGSAbn8>
2. **Only Online registration will be accepted.**
Last date of registration: 20-06-2021.

Contact

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Computer Science & Engineering,
IGDTUW.
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REGISTRATION FORM

1. Name (block letter):
2. Gender:
3. Caste:.....
4. DOB:.....
5. Designation
6. Organization:
7. Address for communication:
-
-
- Pin code: Ph. No.:
- E-mail:
8. Highest Academic Qualification:
9. Specialization:
10. Experience (in years):
(a) Teaching: (b) Industrial:
11. Aadhar No:.....

DECLARATION

I do hereby agree to abide by the rules and regulations of the FDP.

Place: Date:.....

.....
Signature of the Applicant