



# Indira Gandhi Delhi Technical University for Women Organises



## A ONE WEEK ONLINE AICTE TRAINING AND LEARNING (ATAL) FDP ON FOUNDATION OF DATA SCIENCE AND ITS APPLICATIONS (ELEMENTARY) (26 JULY 2021 TO 30 JULY 2021)

### Indira Gandhi Delhi Technical University for Women

IGDTUW university, 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 relate fields.

#### Topics to be covered

- Structured thinking for data science and analytics
- Logical Modelling in Excel
- Data Analytics using MS Excel
- Dimensions of Data Science
- Cyber Security Threat Landscape and Challenges
- Data Science using R
- The increasing relevance of Statistical Methods in 21st Century
- Effectiveness of Mathematics in Natural Sciences
- Tools for Data privacy and Security
- Data Science Innovation and Execution
- Art of Living



#### CHIEF PATRON

Dr. Amita Dev Vice Chancellor, IGDTUW

#### PATRON

Prof. Ashwini Kumar, Pro Vice Chancellor, IGDTUW

Prof. R.K. Singh, Registrar, IGDTUW

#### COORDINATOR

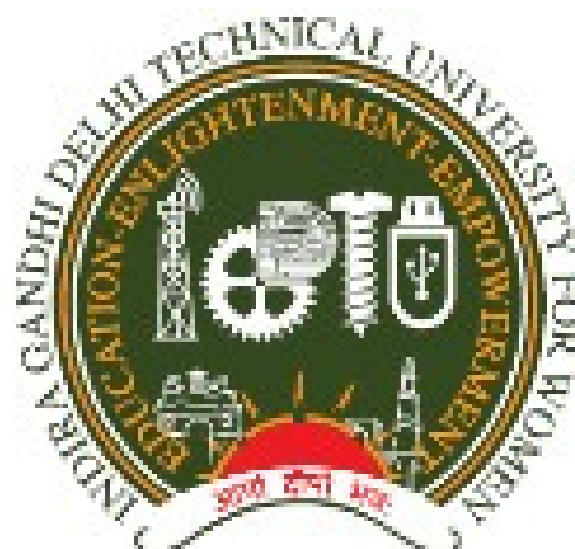
Prof. Nidhi Goel, Professor, ECE Department

#### CO- COORDINATOR

Prof. Jasdeep Dhanoa, Professor, ECE Department

#### Organized by

**Department of Electronics & Communication  
Engineering**



#### Eminent Speakers

- Dr (Mrs.) Amita Dev, VC, IGDTUW
- Prof. A.K. Mohapatra, HOD-IT, IGDTUW
- Prof. Nidhi Goel, HOD-ECE, IGDTUW
- Dr Ashish, IIIT Gandhinagar
- Ms. Smitha Ganesh, AI-Director, Ericsson
- Dr Dinesh Goyal, Director, Poornima University
- Dr Abhilasha Vyas, Cyber Peace Foundation
- Dr. Bindu, Senior Manager, Ernst and Young
- Prasanna Sundaram, Founder, Director, Augmented Understanding Pvt. Ltd.
- Dr Ekata Mehul Shah, Director, Orena Solutions and Blazing Arrows
- Ramdas Menon, Ekaagra Solutions
- Ms. Sowmya Moni, Incture Technologies

# About AICTE Training and Learning:

AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development e.g. SWAYAM, MOOCs, Start-up Initiatives, Prime Minister Kaushal Vikas Yojana (PMKVY), Sansad Adarsh Gram Yojana (SAGY), Swachh Bharat/Unnat Bharat Abhiyan, Yoga Activities etc. There is a urgent need to train the skills of students to make them more employable to acquire global competencies..

## Overview of the Course:

Faculty members are the corner stone of any educational institute as they are instrumental in shaping the future of students. It is very important that, from time to time the institutions organize faculty reorientation program. This serves two purposes; Firstly, the faculty reembody the vision of the institute and; Secondly, it helps to re-emphasize their role as educators as the beacon that imparts knowledge of great morals, ethics, and integrity of future generations. To achieve this goal, Indira Gandhi Delhi Technical University, under the ATAL scheme is organizing this Faculty Development Programme. This program aims to target the Researchers, Faculties, Research Scholars who are proactively working in the field of Machine Learning, Data Analysis in Healthcare. Data Science is a powerful tool and has abundant applications in healthcare sector. patients who suffer from psychological problems like depression, anxiety and neurodegenerative diseases like Alzheimer's can make use of virtual applications to help them in their daily tasks.

## Objectives of the Course:

- To imbibe the skills and competencies required to achieve the Introduction in the field of Data Sciences
- To maintain and enhance faculty effectiveness by inculcating Versatility and knowledge of using latest techniques in Data Sciences
- To make participants understand the basic concepts in the field of Data Sciences.
- To help them develop sustainable behaviors to overcome stress.
- To develop commitment and ethical approach towards work, and instill a sense of responsibility towards the institution.

## Benefits of Course:

- The participants will be able to learn how to:
  - Make meaning of Data.
  - Knowledge of powerful predictive analytical tools.
  - Analytical aptitude to solve business problems.
  - Up gradation of knowledge of versatility of tools .
  - Analysis and management of data

# Tentative Schedule

Date	10:30-12:00 noon	12:00-12:30 Break	12:30 p.m.-2:00 p.m.	2:00 p.m.-3:00p.m.	3:00 p.m.-4:30 p.m.
26/7/2021	Dr (Mrs.) Amita Dev, VC, IGDTUW		Dr Bindu, Senior Manager, Ernst and Young Topic: Advanced Analytics and AI		Ms. Sowmya Moni, Incture Technologies Topic: Logical Modelling in Excel
27/7/2021	Dr. Dinesh Goyal, Director, Poornima University Topic: Logical Modelling in Excel		Prasanna Sundaram, Founder, Director, Augmented Understanding Pvt. Ltd. Topic: Data Analytics using Excel 1		Prasanna Sundaram, Founder, Director, Augmented Understanding Pvt. Ltd. Topic: Data Analytics using Excel
28/7/2021	Dr. Abhilasha Vyas, Cyber Peace Foundation Topic: Dimensions of Data Science		Prof. A.K. Mohapatra, HOD-IT, IGDTUW Topic: Cyber Security Threat Landscape and Challenges		Dr Ashish, IIIT Gandhinagar Topic: Data Science using R
29/7/2021	Mr. Ramdas Menon, Ekaagra Solutions Topic: The increasing relevance of Statistical Mathematics in 21 <sup>st</sup> Century		Mr. Ramdas Menon, Ekaagra Solutions Topic: Effectiveness of Mathematics in Natural Sciences		Dr. Abhilasha Vyas, Cyber Peace Foundation Topic: Tools for Data Privacy and Security
30/7/2021	Ms. Smitha Ganesh, AI-Director, Ericsson Topic: Data Science Innovation and Execution		Dr Ekata Mehul Shah, Director, Orena Solutions and Blazing Arrows		Art of Living

**Registrations charges: Free**

**Last date for registration: 20 July 2021**

**FDP is open for all the faculty members of AICTE/UGC recognized or equivalent**

**Universities/Organizations, PG-Scholars, Govt./Industry Bureaucrats and Technicians.**

**(Limited Seats Available)**

**Registrations accepted will be based on First Come First Serve Basis**

**TEST AND CERTIFICATE:  
A TEST WILL BE CONDUCTED BY THE COORDINATOR AT THE END OF THE PROGRAM AND THE CERTIFICATES SHALL BE ISSUED TO THOSE PARTICIPANTS WHO HAVE ATTENDED THE PROGRAM WITH MINIMUM 80% ATTENDANCE, SCORED MINIMUM 60% MARKS IN THE TEST AND SUBMITTED FEEDBACK FORM.**

**Link for the registration:**

Participants are requested to register compulsorily in the following link.

<https://atalacademy.aicte-india.org/signup>

For any queries/info, e-mail to:-[ece.department.igdtuw@gmail.com](mailto:ece.department.igdtuw@gmail.com)