**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

**ADVANCED: 6 SEPTEMBER 2021 - 10 SEPTEMBER 2021**
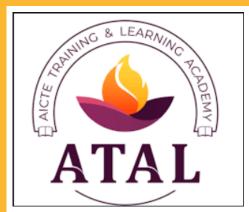
**LAST DATE OF REGISTARATION : 1 SEPTEMBER 2021**

**Registration fee : Free**
**Mode : Online**

**Eminent Speakers**
- Dr (Mrs.) Amita Dev, VC, IGDTUW
- Prof Arun Sharma, HOD-CSE-AI, IGDTUW
- Prof. Nidhi Goel, HOD-ECE, IGDTUW
- Dr Ashish, IIIT Gandhinagar
- Dr Swati Sinha, Researcher and Medical Practitioner at Sitaram Bharathya Institute
- Dr Aahlad Kumar, Dhirubhai Ambani Institute of Information & Communication Technology (DAIICT)
- Vidya Kidami, MD, Accenture
- Dr Ekata Mehul Shah, Director, Orena Solutions and Blazing Arrows
- Ms. Debleena Majumdar, Co-founder, Kahaniyah
- Dr Tanvir Ahmed, Bennett University
- Ms. Meera Krishnan, Thoughtworks

**COORDINATOR** Prof. Nidhi Goel, Professor, ECE Department
**CO- COORDINATOR** Prof. Jasdeep Dhanoa, Professor, ECE Department

Registration link : https://atalacademy.aicte-india.org/signup

# Indira Gandhi Delhi Technical University for Women
## Organises

**ATAL**
AICTE TRAINING & LEARNING ACADEMY

**AICTE**
All India Council for Technical Education

## A ONE WEEK ONLINE AICTE TRAINING AND LEARNING (ATAL) FDP ON

## FOUNDATION OF DATA SCIENCE AND ITS APPLICATIONS (ADVANCED)
### (6 SEPTEMBER 2021 T0 10 SEPTEMBER 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

- Advanced Analytics and AI
- Revisiting Python
- Pattern finding, Distributions, Anomaly Detection
- Generative Adversarial Networks
- Learning architectures in Natural Language Processing
- Predictive Analytics in Healthcare
- Integrated Big Data Style
- Medical Image Denoising
- Data storytelling the last mile of analytics
- Yoga and meditation

**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

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- Prof Arun Sharma, HOD-CSE-AI, IGDTUW
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# 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 reembodies 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 expertise in the field of Data Sciences
- To maintain and enhance faculty effectiveness by inculcating Versatility and knowledge of using latest techniques
- To develop commitment and ethical approach towards work, and instill a sense of responsibility towards the institution.
- To make participants understand the advanced concepts in the field of Data Sciences
- To help them develop sustainable behaviors to overcome stress.

# Benefits of Course:

- Data Science Makes Data Better
- Knowledge of powerful predictive analytical tools
- Up gradation of knowledge of versatility of tools
- Practical knowledge of various analytical tools to detect chronic diseases at an early

# 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. |
|------|------------------|-------------------|----------------------|--------------------|---------------------|
| 6/9/2021 | Dr (Mrs.) Amita Dev, VC, IGDTUW | | Ms. Debleena Majumdar, Co-Founder, Kahaniyah Topic: Advanced Analytics and AI | | Prof. Arun Sharma, HOD-CSE-AI, IGDTUW |
| 7/9/2021 | Ms. Vidhya Kidami, MD, Accenture | | Dr. Abhilasha Vyas, Cyber Peace Foundation Topic: Revisiting Python Session 1 | | Topic: Revisiting Python Session 2/Healthcare Project |
| 8/9/2021 | Ms. Meera Krishnan, Thoughtworks | | Dr. Tanvir Ahmed, Bennett University Topic: Pattern Finding, Distribution, Anomaly detection | | Dr Swati Sinha, Researcher and Medical Practitioner at Sitaram Bharathya Institute, New Delhi |
| 9/9/2021 | Dr Aahlad Kumar, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT) Topic: Generative Adversarial Networks | | Dr Aahlad Kumar, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT) Topic: Understanding Deep Learning architectures in Natural Language Processing | | Dr Ekata Mehul Shah, Director, Orena Solutions and Blazing Arrows |
| 10/9/2021 | Dr. Ashish, IIIT Gandhinagar Topic: Predictive Analytics in Healthcare | | Dr. Ashish, IIIT Gandhinagar Topic: Integrated Big Data Style, Medical Image Denoising | | Art of Living |

## Registrations charges: Free
## Last date for registration: 1 September 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