



Six Week Summer Internship
on
Python for Business Intelligence & Data
Engineering
(Blended Mode)

5th June –14th July 2023
(Including Project Work)

Organized by
Department of IT
&
Department of Management
Indira Gandhi Delhi Technical University for Women
Patron

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

Organizing Committee

Prof. A K Mohapatra, HoD (IT), IGDTUW
Prof. Arvind Jayant, HoD(Management), IGDTUW
Dr. Nonita Sharma, Associate Professor, Co-ordinator
Dr. Hansika, Assistant Professor, Co-ordinator

About the Summer Internship Program

The technical sessions for Summer Internship program will be conducted from 5th June – 14th July 2023. The students will be learning the Concepts of Python Like Data Types, Control Flows, Data Structures, Input/ Output and the concepts of Business Intelligence and Data Engineering. At the end of the technical sessions, the students will carry out the project work 3rd July – 14th July 2023.

Course Contents

Technical Sessions (5th June – 3rd July 2023)

Basics of Python:

- Python Interpreter
- First Steps toward Programming
- Control Flow Statements
- Data Structures
- Tuples, Lists, Dictionary
- Functions
- Modules
- Input and Output

Business Intelligence & Data Engineering:

- **Fundamentals and Applications of BI and Data Engineering**
- **Libraries and Packages**
- **Essentials of Statistics**
- **Exploratory Data Analysis**
- **Data Pre-processing**
- **AI Models**
- **Data Analytics**
- **Tools for BI & Data Engineering**
- **Retentioneering-tools**

Project Work (3rd July -14th July 2023)

- **Project Work**

Objective Type Test(s) on various topics will be conducted for successful completion of the first phase of the Internship. The Project Work will be evaluated for successful completion of the Internship.

Resource Persons

Experts from premier National and International academic institutions and Industry with vast experience in the area of Information Security.

Who can Apply

Internship is open to MTech., B.Tech., MCA, BBA and MBA students with no prerequisite knowledge of Programming.

How to Apply

Interested candidates should fill the online registration form latest by [30.05.2023 by 05:00 pm](https://forms.gle/WCh41NqGrLJ8j6hv7) at the following link:

<https://forms.gle/WCh41NqGrLJ8j6hv7>

Registration Fee:

Rs 1250/- (for IGDTUW students)

Rs 2250/- (for outside IGDTUW students)

Bank Details for Registration Fee Payment

Name and Address of Beneficiary	: Registrar, IGDTU for WOMEN
Bank Account Number	: 0900100 0018949
IFS Code	: PSIB 000 1098
Name and Address of Bank	: Punjab and Sind Bank, New Delhi GGSIP University, KashmereGate, Delhi 110006

Certificate

On successful completion of the Internship certificate shall be awarded.

Contact Us

For any Query, please write to hodit@igdtuw.ac.in

About the University

Indira Gandhi Delhi Technical University for Women (IGDTUW) is a State University of Government of Delhi. The University facilitates and promotes studies, research, technology, innovation, incubation, and extension work in emerging areas of professional education among women. 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.

About the Department of IT

Department of IT aims to prepare students to undertake careers involving innovation and problem-solving using IT, or to undertake advanced studies for research careers in IT. The department has established its expertise in the emerging areas like Information Security, Machine Learning, Big Data Analytics, Software Development and Cryptography to name a few.

About the Department of Management

The Department of management has the vision to be recognized globally as the destination for future leaders and become a centre of excellence in management education by creating a knowledge society and promoting the Centres of Excellence in the field of business education. The department offers management education based on principles and ethical and human values, directed towards the changing needs of the professionals, society, industry and Nation.