



### Faculty conducting this programme

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

### Registration Fee Particulars

Faculty and Research Scholars	Rs.750/-
Industry Participants	Rs.2250/-

Participants need to pay the Registration Fee Online using the following details

### Online Transfer Details

Account Name: Electronics & ICT Academy NITW  
Account No: 62423775910  
IFSC: SBIN0020149  
Bank and Branch: State Bank of India, NIT (REC) Warangal

### How to apply

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/T6SwY1ubgZSdWBkg6>

### Chief Patrons

**Dr. Rajesh Kumar Gupta**  
Chairman -GNIOT Group of Institutions

**Mr. Gaurav Gupta**  
Vice Chairman -GNIOT Group of Institutions

### Patron

**Prof. (Dr.) Savita Mohan**  
PRINCIPAL -GIPS

### Coordinators

**Dr. M. Srinivas**  
Ph.D. (IITH), Post-Doc (Academia Sinica, Taiwan and ETS, Canada)  
Computer Science and Engineering  
NATIONAL INSTITUTE OF TECHNOLOGY  
WARANGAL — 506 004 (Telangana State)  
Email: [msv@nitw.ac.in](mailto:msv@nitw.ac.in)  
Ph. No: 08897064421

**Dr. Ashish Kumar Mourya**  
Ph.D( Jamia Hamdard)  
GNIOT —GIPS, Greater Noida,(Uttar Pradesh)  
Email: [ashishkumarmourya@gmail.com](mailto:ashishkumarmourya@gmail.com)  
Ph. No: 09997072797

### Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 60 (sixty). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

### Important Dates

Last date (Application & Fee)	06/05/2023
Selection List by E- mail	07/05/2023
Duration	09/05/2023 to 18/05/2023



Website : [www.gniotips.in](http://www.gniotips.in)

Plot No. 7, Knowledge Park-II, Greater Noida, (U.P.), India



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Ministry of Electronics &  
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# FACULTY DEVELOPMENT PROGRAMME (FDP)

ONLINE

on

## DATA ANALYTICS & TRANSFORMATION

09<sup>th</sup> May – 18<sup>th</sup> May, 2023

Organized by  
GNIOT Institute of Professional Studies  
Greater Noida  
in association with  
Electronics & ICT Academy, NIT Warangal

## Preamble

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, Govt. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy's role is to offer Faculty Development Programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

## About the FDP

Data science has proven its applicability in all fields whether Data mining, Cyber Security, the Healthcare sector, and researchers developing information fusion techniques to provide solutions to us. In today's world, the amount of data made available is increasing with many businesses and companies being able to compile information across their respective industries. Each organization has a set of data that they have collected and maintained over a period of time. It gives them an advantage over their competitors to identify areas in their services or products they need to improve, where sales might have increased or decreased, and where there might be a loophole in the market. As a result, data analysis has become one of the highest in-demand jobs worldwide. This FDP aims to enhance the quality of education imparted in academics and other areas by providing a common platform to learn all they need to know about data science and analytics so that the future workforce can benefit.

## About GNIOT

GNIOT group of institutions established in the year 2001 has become one of the leading institutions for commerce, management, and engineering programs worldwide. Our aim is to educate leaders who build a strong organization and wisely leverage the power of markets to create lasting value. At GNIOT, we share a strong commitment to a diverse community. It envisages a commitment born out of our longstanding belief in the transforming power of a strong and collaborative organizational culture. We believe that leveraging diverse perspectives enriches learning, inspires innovation, and develops strong leaders.

## About GIPS

GNIOT Institute of Professional Studies is now synonymous with quality education. Under the visionary planning and dynamic leadership of Shri. Rajesh Gupta, Chairman, GNIOT Institute of Professional studies is carved a niche for themselves by producing professionals of various acclaim. Owing to its highly qualified faculty, state-of-the-art infrastructure, quality teaching, and learning procedures. GNIOT Institute of Professional Studies is emerging as the preferred institute for higher studies students. GNIOT Institute of Professional Studies opened its door to the first batch of undergraduate students in July of 2020. Now in the year 2022, the Institution has grown promptly. GNIOT Institute of Professional Studies is on a fast track to becoming a recognized Institution that excels in multidisciplinary and interdisciplinary education, research, and innovation, educating globally competitive graduates with the potential to become leaders.

The graduates will have deep knowledge within their fields but will also excel in problem-solving skills, will be aware of the societal context of their chosen profession, will function effectively in teams, will have good communications skills, and above all, be lifelong learners. GNIOT Institute of Professional Studies, affiliated with Chaudhary Charan Singh University, Meerut is offering BBA, BCA, B.Com (P/H), and BSc.(CS) to promote higher education in NCR. It aims to not only propagate technical and professional education to the students but to create future leaders who manage and create powerful organizations in the corporate world.

## About NIT Warangal

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D programmes in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

## Major course content

- + Introduction to Data Science
- + Python Environment, Setup and Essentials
- + Basics of Statistics
- + Mathematical and Scientific Computing with Python & R
- + Exploratory Data Analysis
- + Data Pre-processing
- + Research in Machine Learning, Deep Learning and Applications
- + Regression Models
- + Perceptron's, Multilayer Perceptron's, Stochastic Gradient Descent, Backpropagation



**DATA IS THE  
NEW SCIENCE  
BIG DATA HOLDS THE ANSWERS.**