



# NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

Center for Continuing Education & Department of Computer Science & Engg

## Online Short-Term Course on

### Exploratory Data analysis for Deep learning using python and Microsoft Power BI

26<sup>th</sup> July 2023- 30<sup>th</sup> July 2023

#### About NIT Warangal

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 13 Departments offering eight undergraduate and 32 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study in the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure, state of the art library, seminar halls guest house and laboratory.



#### About Center for Continuing Education

The Center for Continuing Education NIT Warangal organizes FDPs/Training programmes/Seminars/Workshops etc., in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social Science and Socially relevant themes on self-financing basis in three different modes: (i) At NIT Warangal (ii) At NIT Warangal in collaboration with other organizations/Engineering Colleges / Institutes (iii) By NIT Warangal Faculty at the Host Organization/Institute.

#### About Department of Computer Science & Engg

The Department of Computer Science and Engineering (CSE) offers B.Tech course in CSE, M.Tech courses in CSE, Information Security (IS) and Master of Computer Applications (MCA). The Department has experienced faculty with good publications and well-established laboratories. The Department has liaison with reputed industries and R&D organizations like Microsoft, IBM, Oracle, Accenture, Infosys, TCS, EMC2, C-DAC, Motorola, NIC, Sun Micro Systems, SPSS and tie up with IISc in certain areas. Department conducts various sponsored programmes like GIAN, International and national conferences throughout the year.

#### Course Objectives

- Upon the completion of the training programme the participants/trainee can understand/ gain knowledge in solving the real world problems in Python programming Power BI and Tableau for AI.
- Latest tools and techniques in Python programming Power BI and Tableau for AI Research oriented problem solving in AI.
- Participants can learn Programming Support for Power BI and Tableau.

#### Programme aims in understanding the following

- Data Processing and Data Visualization Using – Pandas.
- Data Processing and Data Visualization Using –Numpy.
- Data Processing and Data Visualization Using –Matplotlib.
- What is Power BI, Power BI Features, Power BI components, Power BI Service.
- How to create charts and graphs, Data Models in Power BI.
- Power BI Tables, Matrix, Cards, filters and Dashboard.
- Project – Sales Store.
- Visualizing the Performance of Deep learning models over time using techniques such as line plots and bar charts.
- Data file formats, connecting your Data and creating basic charts and Aggregate features, Creating custom calculations and fields.

The Sessions will be handled by the experts from IITs/NITs/IIITs/Central University & Software Industry.

**Day wise Recordings will be provided .**

#### How to Apply

Interested candidates can apply online by clicking below link

<https://forms.gle/srBZyVXRlobc1chK8>

Participants details need to be filled and payment details uploaded by using above link in Google Forms on or before 25<sup>th</sup> July 2023.

**Registration Deadline: 25<sup>th</sup> July 2023.**

#### Who should Attend?

The Programme is open to all Faculty/Research Scholars/ Industry Professionals/MCA/MBA/Degree/Polytechnic and other eligible students can register the course.

#### Registration Fee:

**Faculty/Students : 500(Five Hundred only).**

**Industry Professionals:1000(Thousand only).**

**Foreigners:- 50 USD.**

#### Bank Account Details

<b>Account Name:</b>	<b>CCE NITW</b>
<b>BANK NAME :</b>	<b>SBI</b>
<b>ACCOUNT NO :</b>	<b>62403680215</b>
<b>IFSC CODE :</b>	<b>SBIN0020149</b>
<b>BRANCH :</b>	<b>NIT WARANGAL</b>

**Confirmation mails will be sent two days before the Programme. Once Paid/Registered you are confirmed.**

The interested individuals may register on the **FCFS** basis the Seats are limited to 300 only

**E-Certificate:** Participants will get **e-certificate** upon completion of the **STC** course.

**Any Further queries, please contact the Coordinator.**

#### Address for Correspondence

**Dr. Raju Bhukya,**  
**Associate Professor,**  
**Incharge CCE & Coordinator,**  
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