

**EIGHT-WEEK ONLINE TRAINING  
PROGRAM ON  
DATA SCIENCE FOR ENGINEERS**

**7 OCT 2023 – 2 DEC 2023**

**REGISTRATION FORM**

Name: \_\_\_\_\_

College: \_\_\_\_\_

Year of Study: \_\_\_\_\_

Mobile No. \_\_\_\_\_

E-mail ID. \_\_\_\_\_

Amount Paid: Yes/No

Transaction ID Details: \_\_\_\_\_

Participants are requested to pay the fee of **Rs. 800** through **QR** code using any online payment and register for the training program using the following link

**<https://forms.gle/588KZFGZfCgEA7Ax8>**



**CHIEF PATRON**

**Sri N. Subhash**  
President, CBIT

**PATRON**

**Prof. C. V. Narasimhulu**  
Principal, CBIT

**CONVENER**

**Prof. M. Mukunda Vani**  
HoD, Chemical Engineering

**COORDINATORS**

**Dr BVS Praveen, Asst. Professor**  
**Dr Rupam Sinha, Asst. Professor**

**ORGANIZING COMMITTEE**

**Dr. NLN Reddy, Assoc. Professor**  
**Dr. P V Naga Prapurna, Assoc. Professor**  
**Dr. M Mallaiah, Assoc. Professor**  
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**Dr. Raj Kumar Verma, Asst. Professor**



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**Organized by  
Department of Chemical Engineering and  
Indian Institute of Chemical Engineers,  
Hyderabad Regional Centre**

**Chaitanya Bharathi Institute of Technology(A),  
Hyderabad 500075, Telangana  
[www.cbit.ac.in](http://www.cbit.ac.in)**

## ABOUT CBIT

Established in 1979, Chaitanya Bharathi Institute of Technology (CBIT) is the premier engineering institute in Telangana and Andhra Pradesh. Founded by visionaries from diverse fields, including engineering, medical, legal, and management, CBIT aims to provide top-quality engineering and management education, addressing the nation's need for skilled engineers and management professionals.

Over four decades, CBIT has become a coveted destination for students aspiring to excel in engineering and management, educators seeking fulfilling careers, and corporations searching for well-rounded engineers. The institute's rigorous academic standards, industry-aligned teaching methods, research projects, and consultancy practices have solidified its identity in technical education, earning it the top rank among private engineering colleges in the Telugu-speaking states. CBIT's commitment to holistic education is evident through its diverse academic, practical, co-curricular, and extra-curricular programs, fostering multi-skilled personalities and future leaders. With state-of-the-art facilities, including labs, libraries, sports amenities, and a serene 50-acre campus, CBIT continues its relentless pursuit of academic excellence nationally and internationally, making it a leader and innovator in engineering higher education.

## ABOUT DEPARTMENT

Established in 1995, our institute's Department of Chemical Engineering has become a prestigious choice for aspiring chemical engineers. Initially enrolling 40 students, the program expanded to

accommodate 60 students by 1997. Accredited by the NBA since 2004 and consistently reaccredited in 2008, 2012, and 2017, our graduates find diverse career paths, including MNC placements, teaching, research, and further studies in India and abroad. Some even venture into entrepreneurship. The department ensures holistic development through co-curricular activities, seminars, industrial visits, and workshops. Collaborations with the Biotechnology, Chemistry, Mathematics, and Physics departments under the 'Centre of Life Sciences Research umbrella promote interdisciplinary research. Additionally, our energetic staff actively engage in institute-level initiatives, fostering a vibrant academic environment.

## ABOUT THE TRAINING PROGRAM

The Data Science Course shows how to use machine learning and artificial intelligence using Python to automate chemical engineering manufacturing plants as a part of Industry 4.0.

This course starts from the basics of data science, programming, and various libraries available for data science applications.

The course is designated for students, teachers, engineers, and researchers in Plant Automation, R&D, and Data Scientists with Plant knowledge. The course has a huge scope of learning in three phases: beginner, intermediate, and advanced level.

### The topics covered are:

- Introduction to Data Science and Machine Learning
- Introduction to Python
- Data Types and data structures
- Data visualization and data preprocessing
- Feature selection & Dimensionality Reduction
- Model building using machine learning

- Cross Validation, additional models in Python, Model Evaluation
- Weekly assignment
- Case studies and Tests

## RESOURCE PERSONS

**Mr B Sai Hithesh,**  
Data Scientist, Ingenero, Thane, Maharashtra

**Mr K Moulish**  
Aero & Thermal Engineer, Alstom, Hyderabad

## TARGETED PARTICIPANTS

This course is for students/Faculty/industry personnel from any engineering branch.

## CERTIFICATION

**E-Certificate will be issued to those participants who attend all the program sessions and clear the online exam as per the norms.**

## CONTACT US

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