

## TARGET AUDIENCE

This five day faculty development program is deliberately designed for the faculty members of the AICTE approved institutions (Polytechnic Colleges and Engineering Colleges)

## RESOURCE PERSONS

Faculty experts from premier academic universities/institutions and invited experts from leading industries, research and development organizations.

## PARTICIPATION CERTIFICATE

Certificate will be issued based on the attendance and submission of feedback for the programme.

## IMPORTANT DATES:

Last date for registration: **25-10-2023**

Intimation of selection: **27-10-2023**

## IMPORTANT PREREQUISITES:

Participants are requested to bring their own laptops with recent version of Python installed

## VENUE:

Faculty Development Training Centre,  
Government College of Technology,  
Coimbatore.

## OBJECTIVE

The objective of the FDP program is to

- To disseminate the knowledge of data science among faculty, researchers and academicians.
- To give the participants an overview into data science projects.
- To provide conceptual understanding of how data sciences can be used to innovate and improve business processes.
- To create awareness and interest in Python programming among faculty and researchers.

## COURSE OUTLINE

**Python 3.11:** Python is a high-level programming language that is widely used for web development, data analysis, artificial intelligence, scientific computing, and more.

**Pandas:** Pandas is a Python library used for data analysis and manipulation. It provides data structures and functions to efficiently work with structured data, such as spreadsheets or SQL tables, and perform common data analysis tasks like filtering, grouping, and merging

**Numpy:** NumPy is a Python library that is used to perform scientific computing and mathematical operations. It provides support for arrays and matrices, and has functions for linear algebra, Fourier transforms and random number capabilities.

**Machine learning overview:** What is ML and how it is applied on data for getting answers

**Hands-on:** Learn to apply the skills you gained in this course on real-life data



**Tamil Nadu State Government Sponsored  
Five Day Offline**

**Faculty Development Programme**

**On**

**Data Science using Python**

**06-11-2023 to 10-11-2023**



**Organized by**

**Faculty Development Training Centre**

**Government College of Technology**

Coimbatore - 641 013,

Tamilnadu, India.

**&**

**Department of Computer Engineering**

**Government Polytechnic College**

Sevvapet, Tiruvallur-602025

Tamilnadu, India

## ABOUT GCT, COIMBATORE

Government College of Technology, Coimbatore formerly known as the Arthur Hope College of Technology, was started in July 1945 to give high priority to Technical Education. The institute was renamed as Government College of Technology and affiliated to University of Madras in 1951. The institute offers nine UG and eleven PG programs with RECOGNIZED research supervisors to pursue M.S. (by Research) and Ph.D. programs. The institute was granted full autonomy for all the UG and PG courses from the academic year 1987-88. Each department has well qualified faculty members and excellent infrastructural facilities. The institute received TEQIP funds in Phase I, II and III of MHRD project. The institute is accredited by NAAC with 'A' grade.

## ABOUT THE FACULTY DEVELOPMENT TRAINING CENTRE

The Faculty Development Training Centre was established in the year of 2019 to provide technical trainings to Engineering and Polytechnic college faculty members by Tamil Nadu State Government. It is equipped with sophisticated smart class rooms and tutorial rooms. It provides boarding and lodging facilities to resource persons and participants during the training program. The programs are organized to enhance the teaching skills of faculty members.

## ABOUT THE INSTITUTION

Government Polytechnic College, Sevvapet Tiruvallur, was started in the year 2018 with the notion of serving the students from marginalized family and rural areas across the state. The Institution offers 5 Diploma programs in the core fields of engineering stream. The Institution has well-qualified and highly motivated faculty members and well-equipped laboratories to cater to the student needs.

## ORGANIZING COMMITTEE

### Patron

**Dr. K. Manonmani,**  
Principal, GCT, Coimbatore.

### HOD / FDTC

**Dr. T. Purusothaman**  
Professor / FDTC,  
GCT, Coimbatore

### Convenors

**Mr. R. Baskar,**  
Principal,  
Government Polytechnic College,  
Sevvapet, Tiruvallur  
**Mrs.V. Jeyachitra,**  
HOD, Mechanical Engineering,  
Vice-Principal,  
Government Polytechnic College,  
Sevvapet, Tiruvallur

### Coordinators

**Dr. P. Veeralakshmi**  
Lecturer / Computer Engineering,  
GPTC Sevvapet, Tiruvallur  
**Dr. M. Adimoolam**  
Lecturer / Computer Engineering,  
GPTC Sevvapet, Tiruvallur

## ADDRESS FOR CORRESPONDENCE

**Mrs. T. Suganya**  
Lecturer/Instrumentation and Control  
Engineering,  
Faculty Development Training Centre,  
Government College of Technology,  
Coimbatore -641 013  
Email: ftc@gct.ac.in



**Tamil Nadu State Government Sponsored  
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**On  
Data Science using Python  
06-11-2023 to 10-11-2023**

**Registration Link:**

<https://forms.gle/VWxLM826BxBKcze8>

**QR Code:**



## REGISTRATION

- No Registration fee.
- Faculty members from AICTE approved institutions (Polytechnic Colleges and Engineering Colleges) are invited to participate in this Program.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by E-mail.

**Faculty Development Training Centre, Government College of Technology, Coimbatore – 13**

Tamil Nadu State Government Sponsored Five Day Offline FDP on

**“Data Science using Python”**

**06-11-2023 to 10-11-2023**

**ENROLLMENT FORM**

1. Name :
2. Designation :
3. Qualification :
4. DOB & Sex :
5. Department :
6. Name of College :
7. Address for Communication :
  
8. Mobile No :
9. Whatsapp No :
10. E – mail :
11. Whether accommodation is required : **Yes / No**
12. Will Reach on : **05.11.2023 Evening / 06.11.2023 Morning**

Signature of the Applicant

**This is to certify that Mr. /Mrs. /Dr.\_\_\_\_\_ is permitted to attend Tamil Nadu State Government Sponsored Five Day Offline FDP on “Data Science using Python” from 06-11-2023 to 10-11-2023.**

Date:

Seal and Signature of Head of the Institution

**Note:**

**Kindly send the copy of relieving order to the mail-id: [ftc.fdp@gct.ac.in](mailto:ftc.fdp@gct.ac.in) on or before 04.11.2023**