

Eligibility

Participation is open to Faculty Members, Research Scholars, Alumni, UG/PG Students from Polytechnic, Arts and Science, and Engineering Colleges, and Working Professionals from Industries.

Registration Fee

The registration fee includes an e-certificate of participation. **Top performers will receive industrial certification.**

Rs.472/- (₹400 + 18% GST)

Registration procedure

Step 1: Complete Payment

Make payment by scanning the QR code.

Step 2: Complete Registration

Enter your personal details and upload your receipt via the registration form by scanning the QR code. <https://forms.gle/8fry6AnCGzgi2BqU7>

Step 3: Final Submission

Submit the form to finalize your registration.



Merchant Name : MSTCE SOUVEN
Mobile Number : 9865167722

**Scan the QR code
for
Payment**



**Scan the QR code
for
Registration**

Last Date for Registration: 17-01-2026

About the Program

Data analytics is a rapidly evolving field that drives decision-making across industries. This 40-hour value-added course aims to equip learners with a strong foundation and practical exposure to modern tools and techniques. The curriculum covers key topics, including data analysis using Python and SQL, data visualization, machine learning, and generative AI tools. To ensure effective learning, the program is designed with 20 hours of theory and 20 hours of hands-on practice. This integrated approach enables participants to acquire industry-relevant skills. **Monday to Friday (6:00 PM to 8:00 PM), and Saturdays and Sundays for 5-hours / day(self-paced practical sessions).**

Topics To be Covered

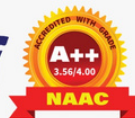
- Foundation of Data Analytics
- Python Basics & Hands-on
- SQL for Data Analytics
- NumPy for Numerical Computing
- Data Manipulation with Pandas
- Exploratory Data Analysis (EDA)
- Data Visualization using Matplotlib & Seaborn
- Machine Learning Foundations
- Gen-AI Assisted Data Analytics
- Agentic AI Workflows
- Prompt Engineering for Analytics
- Ethical and Responsible AI
- Case Study on Data Analytics



Thiagarajar
College of Engineering



where quality and ethics matter



CENTRE FOR CONTINUING EDUCATION

**40-Hour Value Added Course/Hands-on
Training Programme
on**

**Data Analytics using Python, SQL &
Generative AI Tools
(Online Mode)**

Duration:

19/01/2026 to 01/02/2026



Organized by

**DEPARTMENT OF COMPUTER SCIENCE
AND ENGINEERING**

www.tce.edu

About the College

Thiagarajar College of Engineering (TCE), established in 1957, is a government-aided autonomous institution affiliated with Anna University, offering a range of UG, PG, and Ph.D. programs in engineering, architecture, and science. The college features a serene, eco-friendly campus with modern infrastructure and implements a competency-based curriculum along with the CDIO framework, including MOOCs for flexible learning. TCE is accredited by the NBA (since 1998) and NAAC with an A++ Grade (3.56/4.0). TCE supports research through initiatives like the Thiagarajar Research Fellowship (TRF) scheme for Ph.D. scholars. In addition, the college maintains active industry collaborations with leading global organizations.

About the Department

The FIST-supported Computer Science and Engineering Department focuses on Knowledge Engineering as its theme area. The department has successfully completed numerous R&D projects funded by RCI, AICTE, UGC, DIT, NTRO, MEITY, AU-CFR, FOSSEE IIT Bombay, and DST. The department is associated with professional societies such as the IEEE Computer Society, IE, CSI, and GLUCOT. The Department has experienced faculty members with Ph.D. qualifications and publications in reputed national and international journals, which strengthens the department's academic and research profile.

Organizing Committee

Chief Patron

Mr. K. Hari Thiagarajan

Chairman & Correspondent, TCE

Patron

Dr. L. Ashok Kumar

Principal, TCE

Convener


Dr. S. Mercy Shalinie

Professor & Head,
Dept. of CSE, TCE


Address for Correspondence

For Course Details & Registration,
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Coordinators / Trainers



Dr. M. Nirmala Devi
Assistant Professor (SG) (CSE)
Expertise: Data Analytics,
Visualization & Gen AI



Dr. B. Subbulakshmi
Assistant Professor (CSE)
Expertise: Data Analytics &
Prompt Engineering

Co-Coordinators / Co-Trainers



Mrs. S. Jeniba
Assistant Professor (CSE)
Expertise: Data analytics &
Machine Learning



Dr. N. Sheerin Sitara
Assistant Professor (CSE)
Expertise: XAI &
Data Analysis



Ms. S. Naveena
Assistant Professor (CSE)
Expertise: Data Mining
& Analytics