

ABOUT THE INSTITUTION

Meenakshi Sundararajan Engineering College (MSEC) was established by the IJET Society in 2001. This institution is a part of the prestigious KRS Group of Institutions which also includes the renowned IJET (Indian Institute of Engineering Technology) established in 1947 by Founder Late Shri K.R.Sundararajan. MSEC is known for the quality education they impart and their stringent levels of discipline. MSEC has consistently outshone in academics, co-curricular and extra-curricular activities as well.

ABOUT THE DEPARTMENT

The department of Information Technology was started in the year 2001 with intake of 60 students focusing on the area. Under the erudite leadership of the Head of the department along with the efficient faculty members and students, the department has won laurels to the college. The department constantly strives with the singular aim of producing students with outstanding academic excellence. Department has MoU with 14 IT companies and conducts FDPs, Guest Lectures, Seminars and workshops regularly for the benefit of faculty members and students. Students of this department are placed in top MNCs including ZOH0, WALMART, TCS, CTS, WIPRO, ACCENTURE, etc. The department of AI & DS was started in the year 2021 with intake of 60 students.

LOCATION

Meenakshi Sundararajan Engineering College is located in Kodambakkam, Chennai, Tamil Nadu, India and the campus is very close to Kodambakkam railway station.

ABOUT THE ONLINE-FDTP

The Online-FDTP is intended to provide opportunity for faculty members affiliated to Anna University to acquire knowledge on the Course **AD8302 Fundamentals of Data Science** and to become equipped with the required knowledge to facilitate the students to learn this course.

TOPICS TO BE COVERED

The following topics will be covered in this FDTP:

- Introduction to Data science
- Data Pre-processing
- Exploratory data analysis
- Presenting and building applications
- Interpreting distributions, graphs, aggregation of qualitative and ranked data
- Frequency distributions and Outliers
- Numpy arrays & aggregations
- Boolean logic – fancy indexing- structured arrays
- Data manipulation with Pandas
- Indexing , combining datasets , aggregation and grouping
- Normal distributions and z scores
- Correlation, scatter plots, computational formula for correlation coefficient
- Regression, Interpretation of r^2 , multiple regression equations, regression toward the mean
- Visualization with matplotlib
- Density and contour plots, histograms, binnings, and density
- Three dimensional plotting – geographic data data analysis using statmodels and seaborn
- Graph plotting using Plotly, interactive data visualization using Bokeh

RESOURCE PERSONS

Resource Persons are experienced faculty members from reputed institutions and experts from Industry.

- Dr. P. Geetha, Anna University, Chennai
Dr. Radha Senthilkumar, MIT, Chennai
Dr. P. Gururama Senthilvel, Galgotias University, Noida
Dr. V. Shanmuganeethi, NITTTR, Chennai
Mr. G. Roy Antony Arnold, Infosys
Dr. D. Doreen Robin, CIRF, Chennai
Dr. V. Ajantha Devi, AP3 Solutions, Chennai
Mr. S. Balaji, Purchasing Power, Chennai
Dr. G.Suganya, VIT, Chennai
Dr. K. Vijaya, SRMIST, Chennai
Dr. R. S. Ponmagal, SRMIST, Chennai
Dr. A. Mary Psonia, Sathyabama University, Chennai
Dr. K. Sathiyamurthy, Pondicherry Engineering College
Dr. D. Thenmozhi, SSN Engg. College, Chennai
Dr. K. Ananthajothi, MNM Jain Engg College
Dr. R. Geetha, S.A Engg College

Online - Six Days FDTP

ON
AD8302

FUNDAMENTALS OF DATA SCIENCE

From 27/06/2022 to 02/07/2022

Co-ordinators

Dr.A.Kanimozhi, Associate Professor

Dr.P.Chitra, Professor



Sponsored by
Centre for Faculty Development
Anna University,
Chennai – 25

&

Organized by



**Meenakshi Sundararajan
Engineering College**
Kodambakkam, Chennai -600024.
<http://www.msec.edu.in>

ONLINE Six Days FDTP
ON
AD8302
FUNDAMENTALS OF DATA SCIENCE
From 27/06/2022 to 02/07/2022

REGISTRATION FORM

1. Name :
(in capital)
2. Designation :
3. Qualification :
4. Age & D.O.B:
5. Professional Experience (in years)
Teaching :
Industrial :
6. Address of the College:
7. Phone (Office) :
(Mobile) :
8. E-mail :

I hereby declare that all the details furnished by me are true to the best of my knowledge.

Signature of the Applicant

Signature of the HOD
(with seal)

REGISTRATION DETAILS

- No Registration Fee
- Selection on first come first serve basis
- Faculty Members working in Colleges Affiliated to Anna University are eligible to attend this online FDTP
- Selected candidates will be intimated by e-mail
- Confirmation of participation is to be made by e-mail
- Number of seats is restricted to 60

Send the duly filled in Registration form to the e- mail id: msecitfdtp2022@gmail.com on or before 22.06.2022.

For further details, contact:

The Co-ordinators
ONLINE-FDTP on
AD8302 FUNDAMENTALS OF DATA SCIENCE
Dept. of Information Technology,
Meenakshi Sundararajan Engineering College,
Kodambakkam, Chennai– 600 024

Phone : 9894106391, 9840167844
E-mail: msecitfdtp2022@gmail.com



ORGANIZING COMMITTEE

CHIEF PATRON: Dr. R. Velraj
Vice Chancellor
Anna University

PATRON : Dr. G. Ravikumar
Registrar
Anna University

CHAIR : Dr. P. Vanaja Ranjan
Director, CFD

Dr. V. Adaikkalam
Addl Director, CFD

CO-CHAIR : Dr. K.S. Babai
Secretary
Meenakshi Sundararajan
Engineering College
Dr. P. K. Suresh
Principal
Meenakshi Sundararajan
Engineering College

Co-ordinators : Dr. A. Kanimozhi
Dr. P. Chitra

Organizing Department :
Department of AI & DS
&
Department of
Information Technology

Organizing Committee :
Ms. R. Gayathri
Ms. G.S. Devilakshmi

IMPORTANT DATES:

Submission of Application	: 22/06/2022
Intimation of Selection	: 23/06/2022
Confirmation by Participants	: 24/06/2022