तमिलनाडु केंद्रीय विश्वविद्यालय
Central University of Tamil Nadu
Thiruvarur, Tamil Nadu, India
(Established by an Act of Parliament in 2009)

13-17, DECEMBER 2021

DEPARTMENT OF COMPUTER SCIENCE
ORGANIZES

A FIVE DAY FACULTY DEVELOPMENT PROGRAMME ON

FUNDAMENTALS OF DATA SCIENCE – A PRACTICAL APPROACH

(13-17 DECEMBER, 2021)

SPONSORED
BY
AICTE TRAINING AND LEARNING
(ATAL) ACADEMY

About the University:

The Central University of Tamil Nadu is located in Thiruvarur, a region of cultural and historical significance. The university functions with quality infrastructure facilities. In two campuses set in a serene atmosphere in the Neelokudi and Nagakudi village in the Cauvery delta region. In spite of the recent origin, and a humble beginning with a single course and few students. The university has established itself as an academic centre of excellence in different streams of education within the last few years attracting students from far and wide. The university offers post graduate, integrated M.Sc. and Doctoral Programmes in various subjects through twelve schools. The University atmosphere offer a creative and multi-cultural learning environment for the students with dynamic circular and extra circular activities. The university also opens up space for expert learning through collaboration with State and National level institutions of academic excellence.

ABOUT DEPARTMENT:

The Department of Computer Science is one among the science departments that offer M.Sc. and Ph.D. in computer science. The department was started in the academic year 2016-17. The department is equipped five faculty members with doctorates and they are actively involved in the research besides teaching. The curriculum is designed to meet the standard expected from IT industry and also facilities to aspire research. The department offers a choice-based credit system. The students are evaluated through a continuous assessment system. To join UG, PG and Research programmes, the candidates have to attend the All-India CUCET entrance examination. CUCET stands for Central University Common Entrance Test. Every year, CUCET is conducted by a consortium of central universities. CUCET is conducted at over 150 centers across the country for admission to various programmes.

CHIEF PATRONS:
Prof. G. Padmanabhan
Honourable Chancellor, CUTN
Prof. M. Krishnan
Honourable Vice Chancellor, CUTN

PATRON
Dr. Sulochana Shekhar
Registrar In-charge, CUTN

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Dr. T. Sengadir
Dean, School of Mathematics and Computer Science, CUTN
Dr. S. Nagarajan
COE,CUTN
Mr. CMA V Palani
Finance Officer, CUTN

COORDINATOR
Dr Chandra Mouli P.V.S.S.R.
Associate Professor and Head
Department of Computer Science , CUTN

आज़ादी का अमृत महोत्सव

Register at
"https ://www.aicte-india.org/atal"

ATAL

FUNDAMENTALS OF DATA SCIENCE—A PRACTICAL APPROACH

RESOURCE PERSONS:

EMINENT EXPERTS FROM IIT'S, NIT'S, IIIT'S, CENTRAL UNIVERSITIES AND OTHER REPUTED INSTITUTES.

TARGET AUDIENCE:

FACULTY MEMBERS WORKING IN GOVERNMENT INSTITUTIONS, REPUTED ENGINEERING COLLEGES, UNIVERSITIES, RESEARCH SCHOLARS, INDUSTRY PERSONNEL, M.E/M.MTECH. STUDENTS AND M.SC. STUDENTS.

For Certificate:
Minimum 80% attendance and scored minimum 60% marks in the test conducted at the end of the online FDP.

OBJECTIVE OF THE AICTE ATAL FDP:

To plan and help in imparting quality technical education in the country and to support technical institutions fostering research, innovation and entrepreneurship through training in various emerging areas.

ABOUT FDP:

Data science and data analytics are the two buzz words in industry and is driving many researchers to produce promising solutions to the challenging real world problems. This field of computer science has been active locale of research due to its wide verities of industrial applications. This programme will facilitates the faculty members, Ph.D., research scholars and P.G. students in understanding the basic concepts of data science to a wide coverage of advanced topics. The FDP also facilitates some hands on sessions in python to implement Machine Learning algorithms. In addition, the FDP creates a pavement for faculty members and research scholars to choose their research problems.

REGISTRATION FREE

ORGANIZING COMMITTEE:

Dr. P. Thiyagarajan
Assistant Professor,
Dept. of Computer Science, CUTN

Dr. K. Nandhini
Assistant Professor,
Dept. of Computer Science, CUTN

Dr. R. Saranya
Assistant Professor,
Dept. of Computer Science, CUTN

Dr. A. Martin
Assistant Professor,
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COORDINATOR

Dr. Chandra Mouli P.V.S.S.R
Associate Professor and
Department of Computer Science, CUTN

TENTATIVE TOPICS

- ❖ Introduction to Data Science
- ❖ Regression Analysis
- ❖ Decision Trees
- ❖ Multi-Layer Perceptron
- ❖ Support Vector Machine
- ❖ K Nearest Neighbor
- ❖ Naive Bayes Classifier
- ❖ Dimensionality Reduction
- ❖ Random Forest
- ❖ Hands on Session on Python
- ❖ Numpy, Scikit-Learn, MatplotLib
- ❖ Keras, Tensor Flow
- ❖ Introduction to Deep Learning
- ❖ CNN'S, RNN'S

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