

5 DAY ATAL SPONSORED ONLINE FDP ON



Applied Data Science

5th -9th
October
2020



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ORGANIZED BY

Department of Computer Science & Engineering
University College of Engineering Kakinada(A)
JNTUK, Kakinada

About JNTUK

University College of Engineering Kakinada (Autonomous), J N T U Kakinada was originally 'The College of Engineering, Vizagapatam at the time of its establishment in the year 1946 by Government of the Composite Madras State. It is now a sprawling campus of 110 acres, green with mango trees in the fast developing port city of Kakinada. On 20th August, 2008 it became a Constituent College for the newly established Jawaharlal Nehru Technological University Kakinada. The institute offers 7 Undergraduate, 18 Postgraduate programmes in Engineering & Technology and Ph.D programmes in all the eligible discipline of Engineering & Technology. The institute has been approved by All India Council for Technical Education (AICTE), New Delhi and also accredited by NBA for 5 UG and 10 PG programmes.



CSE @ JNTUK

The Department of Computer Science and Engineering, University College of Engineering Kakinada (Autonomous) was established in the year 1990. It offers UG programme B.Tech. in Computer Science and Engineering and Four PG programmes, M.Tech in Computer Science and Engineering, M.Tech in Information Technology, M.Tech in Cyber Security and MCA. The B.Tech(CSE), M.Tech(CSE) and M.Tech (IT) have been accredited by NBA, New Delhi. In addition, the department has been recognized as a research centre for carrying out Ph.D. programmes under JNT University Kakinada, Andhra Pradesh. The department has a team of committed faculty members who are well qualified and are backed by rich teaching/research/industry experience.



About FDP

Data Science is fast becoming one of most sought after professions in India and around the world. It best to describe it as a field revolving around 5 data-related operations.

Collection: Data Collection is the process of gathering data. **Storing:** Storing data involves maintaining the collected data for use during the data science pipeline.

Processing: Data Processing is a set of 3 main sub-processes. Data Wrangling, Data Cleaning and Data Scaling, Normalization and Standardization. **Describing:** Data

Visualising Data Summarisation. **Modelling:** Algorithmic modelling involves using large volumes of data and optimization techniques to best estimate the distribution and relations of the data, eg Machine Learning and Deep Learning.

Course Contents

- Introduction to Data Science
- Descriptive Statistics, Data Analysis
- Data Pre-processing
- Data Visualization
- Predictive Modelling
- Model Selection
- Data Virtualization
- Understand real-world challenges with several case studies



Speakers

V. Vijaya Saradhi

Associate Profesor
CSE, IIT Guwahati, Guwahati

Dr. Swagatam Das

Associate Professor
Electronics and Communication Sciences Unit
Indian Statistical Institute, Kolkata

Dr. Suresh Chandra Sathpathy

Professor & Dean Research
School of Computer Engg,
KIIT, Bhubaneswar, Odisha.

Amit Kumar Gupta

Senior Data Scientist
Microsoft, India

Saurabh Sohoney

Sr. Machine Learning Scientist,
Amazon, India



Guidelines

No Registration fees. Faculty/ Research Scholars / PG Scholars from AICTE recognized Institutions can participate. Eligible participants will be selected based on first come first serve basis and the selected participants will be intimated by email only. On the last day of the program as assessment test (objective type) will be conducted for all participants. Digital certificate by the ATAL Academy certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

Target Audience

Faculty from various colleges, Research Scholars and PG Scholars

Contact

Dr. Karuna Arava,
Assistant Professor, Department of
Computer Science & Engineering,
University College of Engineering
Kakinada(A), JNTUK, Kakinada
+91 9790461553, 8498065395,
9440942777
Mail : ucekatal2020@gmail.com





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Mark the dates
5TH-9TH OCTOBER 2020

Get ready
to learn
Data Science!

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Hon'ble Vice Chancellor,
JNTUK, Kakinada

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Dr. M. H. M. Krishna Prasad
Vice-Principal, UCEK(A),
JNTUK, Kakinada

CONVENER

Dr. D. Haritha
Professor & HoD of CSE,
UCEK(A), JNTUK, Kakinada

COORDINATOR

Dr. Karuna Arava
Assistant Professor in CSE,
UCEK(A), JNTUK - Kakinada.

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