St. Joseph's Degree College

Sunkesula Road, Kurnool

Organized by

Department of Statistics

Report on Dept. of Statistics Activities

JUNE-2024

I. Kalyani M.Sc.,
Head of Department
Department of Statistics

Composition of Department of Statistics		
Head of Department		
I.KALYANI M. Sc, B. Ed		**kalyani1660@gmail.com**
Faculty Members		
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Dr.K. Shantha
Principal
St. Joseph's Degree college
Sunkesula Road, Kurnool-4

"Enhancement Programme on Data Analytics"

From 27-06-2024 to 29-06-2024

Academic Year

2024-2025

Request Letter

Date: 25.06.2024

To
Dr.C.V. Satyanarayana
Coordinator
SJCQAC
St. Joseph's Degree College
Sunkesula Road, Kurnool-4

Sub: Request for collaboration on FDP for Data Analytics - Reg.

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Respected Sir,

As part of our commitment to enhancing academic excellence and fostering interdisciplinary collaboration, I am writing to propose a joint initiative between the Statistics Department and the Computer Science Department at **St.Josephs Degree College**.

We believe that the field of Data Analytics holds immense potential for research, innovation, and practical applications. To leverage this potential, we propose conducting a Faculty Development Program (FDP) that will bring together faculty members from both departments. We planned to organize this FDP from 27-06-2024 to 29-06-2024

We kindly request your support and approval for this collaboration.

Kindly oblige,

Yours Sincerely

I. Kalyani

I.Kalyani
HOD
Statistics Department
St. Joseph's Degree College
Sunkesula Road, Kurnool-4.

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Gist

An Enhancement programme on Data Analytics was conducted by statistics department (29-06-2024) with collaboration of department of computer science of St. Joseph's Degree College. Data analytics is a powerful tool that helps organizations harness their data for strategic advantages. By transforming data into actionable insights, businesses can navigate complex challenges and capitalize on opportunities in an increasingly data-driven world. In view of its vast scope our dept has come up with organizing an enhancement program to keep the staff trained in this subject to meet the forthcoming challenges.

Objectives:

- Identify trends and patterns in data to forecast future outcomes and behaviours.
- Enhance decision-making processes by providing insights based on data analysis.
- Optimize resource allocation and reduce costs by analysing spending patterns.
- Gain insights that can lead to a competitive edge in the market.

The topics were covered as a part of this program:

Syllabus

Resource person Name	Day & Topic
Mr. A. Viswanath	Day 1: Introduction: Overview, Data Science, Big Data Characteristics, Architecture -Core Layers, Service layers; roles of data-centric projects, big data life cycle.
Mr. A. Viswanath	Day 2: Methods: Association rules, Apriori algorithm, overview of clustering, K-means algorithm, Regression- Linear, Logistic, Support Vector Machines, Classification- Decision Tree classification, Attribute selection, Naïve Bayes classification.
Mr. K. Raveendra & Mr. P. Moulali	Day 3: Pre-processing: Introduction, Measures of Central Tendency-Mean, Median, Mode, Sampling distribution, inferential statistics, ANOVA, feature selection- PCA.

Attendance

Enhancement Program on Data Analytics from Dt.27 June, 2024 to 29 June, 2024
Organized by Department of Computer Science in collaboration with Dept. of Statistics
St.Joseph's Degree College, Sunkesula Road, Kurnool

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14	K.Raveendra	k.raveendra1234@gmail.com	81439 57183	Raveendra 27/6	Raveendra 28/6	Resource Person
15	P.Sivo Kumar	shivraammittal@gmail.com	73869 89201	Adwivraam 27/6/24	Adwivraam 28/6/24	Adwivraam 29/6/2024
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Program photos

- By analysing data on student performance and engagement, faculty can refine their teaching methods to better meet student needs.
- Analytics can reveal trends in faculty participation and satisfaction, helping to foster a more engaged teaching community
- Sharing data insights can promote collaboration among faculty, fostering a culture of shared best practices and innovation.
- Analytics can support long-term planning by identifying areas of strength and opportunities for growth within the faculty and program structure.