



St. JOSEPH'S DEGREE COLLEGE  
**Sunkesula Road, Kurnool – 518 004 A.P.**  
(Affiliated to Rayalaseema University, Kurnool)



## **ENHANCEMENT PROGRAMME** on **DATA ANALYTICS**

**ACADEMIC YEAR- 2024-25**

**COURSE CO-ORDINATORS:**  
**S.Latharani      K.Amarnath**

## **CIRCULAR**

25-06-2024

Kurnool

In this day and age Data analytics has an important place in shaping one's career due to its huge demand in the market. In view of this Computer department in collaboration with Statistics department have decided to conduct a fresher program to help and support the staff dealing with the subject. This will go a long way in ensuring proper awareness of the subject and equip the staff to teach it

S.Latha Rani

HOD, Computer Science Department

### **GIST**

An Enhancement Programme on "Data Analytics" was conducted by computer science department with collaboration of Department of Statistics of St. Joseph's Degree College, Kurnool from 27-06-2024 to 29-06-2024. The event aimed to learn about the Data Analytics for the enhancement of the computer faculty with the collaboration of statistics faculty. Data analytics is a broad term that encompasses many diverse types of data analysis. Any type of information can be subjected to data analytics techniques to get insight that can be used to improve things. Data analytics techniques can reveal trends and metrics that would otherwise be lost in the mass of information. This information can then be used to optimize processes to increase the overall efficiency of a business or system.

Data analytics is important because it helps businesses optimize their performances. Implementing it into the business model means companies can help reduce costs by identifying more efficient ways of doing business.

In view of its vast scope our department has come up with organizing an enhancement Program to keep the staff trained in this subject to meet the forthcoming challenges.

### **OBJECTIVE:**

1. The primary objective of the enhancement program was to train the faculty of computer science in the field of Data Science and Data Analytics.
2. Data analytics is important because it helps businesses optimize their performances. Implementing it into the business model means companies can help reduce costs by identifying more efficient ways of doing business.

### **OUTCOME:**

1. The Enhancement Programme held at St. Joseph's Degree College, Kurnool proved to be a resounding success.
2. The event achieved its objectives of learning Data analytics with the collaboration of Statistics Department and developed a keen interest in learning the subject.
3. By encouraging the staff to ask questions and share their experiences, the program fostered a positive and inclusive learning environment.

## SYLLABUS

RESOURCE PERSON NAME	DAY & TOPIC
Mr.A.Viswanath	Day 1: Introduction: Overview, Data Science, Big Data Characteristics, Architecture – Core Layers, service layers; roles in data science team, life cycle of data-centric projects, big data life cycle.
Mr.K.Raveendra	Day 2: Pre-processing: Introduction, Measures of Central tendency-Mean, Median, Mode, sampling distributions, inferential statistics, ANOVA, feature selection-PCA.
Mr.P.Moulali	Day 3: 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

## GALLERY



## 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, Sunekula Road, Kurnool					
S.No.	Name of the Faculty	Email	Mobile No	Signature with Date	Signature with Date
1	P. Aravinda Devi	aravinda123@gmail.com	99831147195	27-06-2024	28-06-2024
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19					
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19						
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