



KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
Re-accredited by NAAC with A⁺ Grade - 4th cycle, College of
Excellence – UGC
29th Rank among Colleges in NIRF 2023
Coimbatore - 641 029, Tamil Nadu, India



DEPARTMENT OF COMPUTER SCIENCE (Aided)

Empowering Insights: Unleashing the potential of Data with R Programming
Supported by

DBT STAR COLLEGE SCHEME REPORT

Name of the Event	Empowering Insights: Unleashing the potential of Data with R Programming
Date	31-01-2024
Time	10.00 AM to 4.00PM
Resource Person With Designation	Dr.C. Nagarani Assistant Professor ,Department of Computer Science , PSG College of Arts and Science, Coimbatore
Venue of the Programme	Lab VI
Objectives of the Programme	1.To impart knowledge about R studio. 2.To expose the students to the basic graphics of R programming. 3.To train the students to create a Data Frame in R. 4.To make the students read data in R script.
Outcome of the Programme	1.Students learnt about the features of R studio and R studio Interface. 2.Experienced the reading of external datasets.Students practically learned about creating plots and graphs. 3.Students created data frames.
Number of Beneficiaries with Class (Both Students and Faculty)	Students: 49 II B.Sc Computer Science Students

Report in Detail

The one-day "**Empowering Insights – Unleashing the Potential of Data with R Programming**" workshop focused on leveraging data with R programming and R Studio, introduced participants to the essentials of data handling through data frames. Beginning with R Studio's interface, participants learned to import, organize, and clean data within data frames,

mastering tasks such as merging datasets and handling missing values. This foundational knowledge set the stage for more advanced data analysis techniques.

As the workshop progressed, participants delved into statistical analysis using R's capabilities, exploring data frames to conduct descriptive statistics, hypothesis testing, and regression analysis. Furthermore, the workshop explored machine learning concepts within R Studio, leveraging data frames for predictive modeling and evaluation. Participants gained hands-on experience with machine learning algorithms, understanding how to train models, evaluate performance, and interpret results using data frames. By the end of the workshop, participants not only improved their skills in data manipulation, analysis, and visualization using data frames in R and R Studio, but also gained valuable insights into leveraging data effectively for decision-making and deriving actionable insights. The workshop provided a comprehensive and practical learning experience, equipping participants with the tools and techniques necessary to unlock the full potential of data-driven strategies.



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College of Excellence

(UGC) Coimbatore - 641029.

DEPARTMENT OF COMPUTER SCIENCE(AIDED)

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DBT STAR COLLEGE SCHEME



**Name of the Event: A Workshop On Unleashing The Potential Of Data
With R Programming**

Date: 31/01/2024

Venue: Computer Lab VI



Gounder Mills, Tamil Nadu, India
11/348, Udayampalayam Rd, Pallakattu Thottam, Gounder Mills, Coimbatore, Tamil Nadu
641029, India
Lat 11.059354°
Long 76.948284°
31/01/24 10:22 AM GMT +05:30



Gounder Mills, Tamil Nadu, India
11/348, Udayampalayam Rd, Pallakattu Thottam, Gounder Mills, Coimbatore, Tamil Nadu
641029, India
Lat 11.059239°
Long 76.948345°
31/01/24 11:26 AM GMT +05:30



Gounder Mills, Tamil Nadu, India
11/348, Udayampalayam Rd, Pallakattu Thottam, Gounder Mills, Coimbatore, Tamil Nadu
641029, India
Lat 11.059348°
Long 76.948279°
31/01/24 12:48 PM GMT +05:30



Gounder Mills, Tamil Nadu, India
3W5X+GFM, Gounder Mills, Coimbatore, Tamil Nadu 641029, India
Lat 11.058811°
Long 76.948272°
31/01/24 02:27 PM GMT +05:30



Gounder Mills, Tamil Nadu, India
3W5X+GFM, Gounder Mills, Coimbatore, Tamil Nadu 641029, India
Lat 11.058937°
Long 76.94825°
31/01/24 02:28 PM GMT +05:30



Gounder Mills, Tamil Nadu, India
11/348, Udayampalayam Rd, Pallakattu Thottam, Gounder Mills, Coimbatore, Tamil Nadu
641029, India
Lat 11.058988°
Long 76.948232°
31/01/24 02:55 PM GMT +05:30