



RAJAPALAYAM RAJUS' COLLEGE

(A Linguistic Minority Co-educational Institution, Affiliated to Madurai Kamaraj University)

(Re-Accredited (3rd cycle) with "B++" Grade (CGPA 2.93/4.00) by NAAC)

Rajapalayam -626117, Tamilnadu, India.

DEPARTMENT OF MATHEMATICS & IQAC

Jointly Organizes

Five Days FDP on

“R For Mathematics”

Resource Person

Dr. M. RAMAKRISHNAN

Assistant Professor,

Department of Mathematics

RKM.Vivekananda College (Autonomous)

Mylapore, Chennai-600004

Tamil Nadu, India



Date : 26.07.2021 to 30.07.2021

Time : 10 am to 11.30 am IST

Registration Link

<https://forms.gle/SfDvEzDks9daW7CY7>

Topics to be covered

First Day

- Introduction to R and R Studio
- Importance of R Packages
- R as Calculator
- Data Structures
- Handling Data in R

Second Day

- Graphs and Diagrams
- Curves
- Statistical Inference using R Commander

Third Day

- Creating Functions
- Integrate and Differentiate functions in R
- Solving Ordinary Differential Equations

Fourth Day

- Linear Programming with R
- Solving LPP
- Transportation Problem
- Assignment Problem

Fifth Day

- Polynomials
- Application of Fuzzy Number in R
- Graph Theory in R

Learning Objectives

- Familiarize participants with R syntax
- Form the basic knowledge of possibilities for usage of computing language in mathematics
- Understand the fundamentals of programming, including functional and object-oriented paradigm
- Get exposed to Mathematical functions
- To explore them for solving the problems using R

Outcomes

- Know basic theoretical and applied approaches to solving problems of mathematical analysis.
- Know principles of functional programming (using R programming language).
- Manage to utilize open-source applications and tools for visualization purposes

Course Eligibility & Requirements

- Faculty members/ Research Scholars / PG students
- Desktop/Laptop

REGISTRATION DETAILS

- Registration Fee Rs. 100/- only
- Last date for Registration is 05.00 pm on 24.07.2021
- Take the screenshot of the payment & attach as proof in Reg. Form

ACCOUNT DETAILS FOR ONLINE PAYMENTS

Name of the Account : Rajapalayam Rajus' College – The Principal.
Name of the Bank : Bank of Baroda
Branch : Rajapalayam
Account Number. : 17310100005019
IFSC Code. : BARB0RAJAPA (Fifth character is Zero)

Patrons

Dr. R.Jaganath
Principal i/c

Convener

Dr. S.David Laurence,
Head & Assistant Professor, Department of Mathematics
Mobile No: 94436 60122, Email: sdl-maths@rrc.ac.in

Organising Secretary

Mrs.R.Ramalakshmi,
Assistant Professor of Mathematics

Organising Committee

Mr.M.Vishnusankar,
Assistant Professor of Mathematics

Dr.K.Lakshmi Prabha,
Assistant Professor of Mathematics

Mrs.M.Maheswari,
Assistant Professor of Mathematics

Technical Support

M.R.Vinothpranav, K. Satheesh, R. Somnath, R. Ramkumar