

DEPARTMENT OF MATHEMATICS



E.M.G. YADAVA WOMEN'S COLLEGE, MADURAI-14
(An Autonomous Institution –Affiliated to Madurai Kamaraj University)
(Re-accredited 3rd cycle with A⁺ grade CGPA 3.51 by NAAC)

COLLABORATION WITH

DEPARTMENT OF MATHEMATICS



SRI KALISWARI COLLEGE (AUTONOMOUS), SIVAKASI

(Affiliated to Madurai Kamaraj University, Madurai)
Re-accredited with 'A' grade (3rd Cycle) by NAAC with CGPA 3.11)

ORGANIZES

FACULTY EXCHANGE PROGRAM

One Week “WORKSHOP ON R PROGRAMMING”
(PG Students of Sri Kaliswari College, Sivakasi)

20th Sep to 24th Sep ,2021 at 1:30 P.M to 3:00 P.M Every day

Google Meet joining info

Video call link: <https://meet.google.com/bsz-exif-etv>

Convener
Dr.P.Vidhya,
Head of the Department

Dr.(Mrs.)V.Pushpalatha
PRINCIPAL (i/c)

Objective of the Workshop:

It aims to provide a practical introduction to the R programming language. By the end of the day, the user will be comfortable operating in the R environment, including importing external data, manipulating data for specific needs, and running summary statistics and visualizations.

Outline of the Workshop:

- Basic fundamentals, installation and use of software, data editing, use of R as a calculator, functions and assignments.
- Use of R as a calculator, functions and matrix operations, missing data and logical operators.
- Conditional executions and loops, data management with sequences.
- Data management with repeats, sorting, ordering, and lists. Vector indexing, factors, Data management with strings, display, formatting, display paste, split, find and replacement, manipulations with alphabets, evaluation of strings, data frames.
- Data frames, import of external data in various file formats, statistical functions, compilation of data.
- Graphics and plots, statistical functions for central tendency, variation, skewness and kurtosis, handling of bivariate data through graphics, correlations, programming and illustration with examples.

Resource Persons



Dr. P. Vidhya
Assistant Professor &
HOD
Department of
Mathematics



Dr. S. Sripriya
Assistant Professor
Department of
Mathematics



Mrs. A. Manimegalai
Assistant Professor
Department of
Mathematics

