



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

**Eligibility criteria**

III year students of Mathematics

*Value Added Course*

**Course fees**

Rs.300/-



**INTRODUCTION  
TO  
R SOFTWARE**

**Start learning from  
September 2022**

**Contact :Department of Mathematics**

## Course Objective:

- The basics of statistical computing and data analysis
- How to use R for analytical programming
- How to implement data structure in R
- R loop functions and debugging tools
- Object-oriented programming concepts in R
- Data visualization in R
- How to perform error handling
- Writing custom R functions

## Course Outcomes:

- Explain critical R programming concepts
- Demonstrate how to install and configure RStudio
- Explain the use of data structure and loop functions
- Analyse data and generate reports based on the data
- Apply various concepts to write programs in R

## INTRODUCTION TO R SOFTWARE

Syllabus Link:

[https://drive.google.com/file/d/15otl4VD295Aut\\_4HmJ326jLB3-hOxqiy/view?usp=sharing](https://drive.google.com/file/d/15otl4VD295Aut_4HmJ326jLB3-hOxqiy/view?usp=sharing)