

**E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**



**DEPARTMENT : MATHEMATICS**

**ACTIVITY : FACULTY EXCHANGE PROGRAM**

**YEAR : 2021-2022**

**DEPARTMENT OF MATHEMATICS**

<b>DATES</b>	<b>TIME</b>	<b>PLATFORM</b>	<b>MODE</b>
20.09.2021 to 24.09.2021	01:30 p.m. to 03:00 p.m.	Google Meet	Online
<b>Theme</b>	Sharing the Knowledge of R Software		
<b>Nature of the Activity</b>	Faculty Exchange Program		
<b>Title</b>	Workshop on "Introduction to R Software "		
<b>Name of the Convenor</b>	<b>Dr.P.Vidhya</b> Head & Assistant Professor of Mathematics EMGYWC		
<b>Resource Persons</b>	<b>Dr.P.Vidhya</b> Head & Assistant Professor of Mathematics <b>Mrs A.Manimegalai</b> <b>Dr.S.Sripriya</b> Assistant Professors of Mathematics EMGYWC		
<b>Collaborative Department &amp; Institution</b>	Academic Collaboration (MoU) Department of Mathematics Sri Kaliswari College, Sivakasi.		
<b>Meeting Link</b>	<a href="https://meet.google.com/gkz-aote-znx">https://meet.google.com/gkz-aote-znx</a>		
<b>No. of Beneficiaries of Other Institution</b>	Sri Kaliswari College, Sivakasi. Students - 25		

## **E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**

### **WORKSHOP ON “ INTRODUCTION TO R SOFTWARE ”**

#### **Objectives:**

- To provide an opportunity for a novel teaching-learning experience to the students and faculties involving.
- To guide the students of the latest programming language 'R' that is widely used as a statistical software and data analysis tool.

#### **Programme Outcome:**

On Successful Completion of the programme,

1. Students were able to recognize the difference between R software and other software and how it is currently one of the most requested programming languages in Data Science Job market.
2. Students realized that R Software is not just a statistical tool but a fundamental tool in finance, widely used tool for tech giants like google, Facebook, Bing, Twitter Accenture etc.,

# E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE

Enclosures:

a. Invitation:

**DEPARTMENT OF MATHEMATICS**



**E.M.G. YADAVA WOMEN'S COLLEGE, MADURAI-14**  
(An Autonomous Institution – Affiliated to Madurai Kamaraj University)  
(Re-accredited 3<sup>rd</sup> cycle with A<sup>+</sup> 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 3.10)

**ORGANIZES**

**FACULTY EXCHANGE PROGRAM**

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

**20<sup>th</sup> Sep to 24<sup>th</sup> 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/biz-exif-etv>

**Convener**  
Dr.P.Vidhya,  
Head of the Department

**Dr.(Mrs.)V.Prabupalatha**  
**PRINCIPAL (F/C)**

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**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.

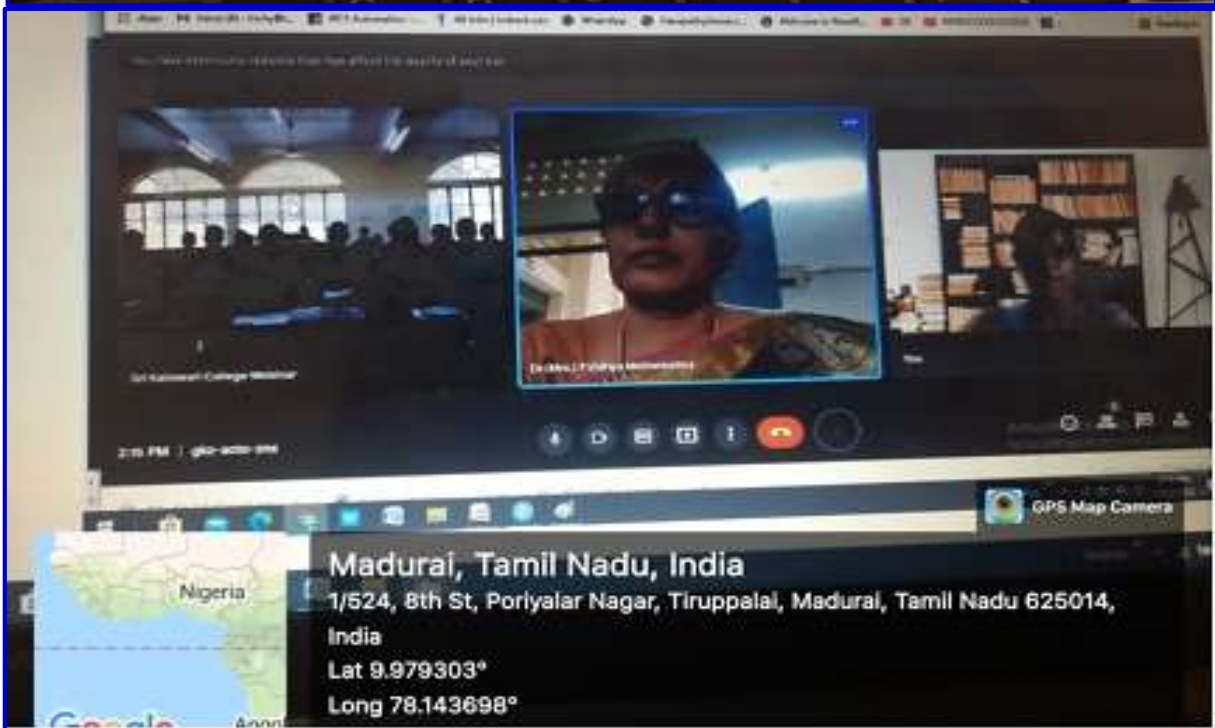
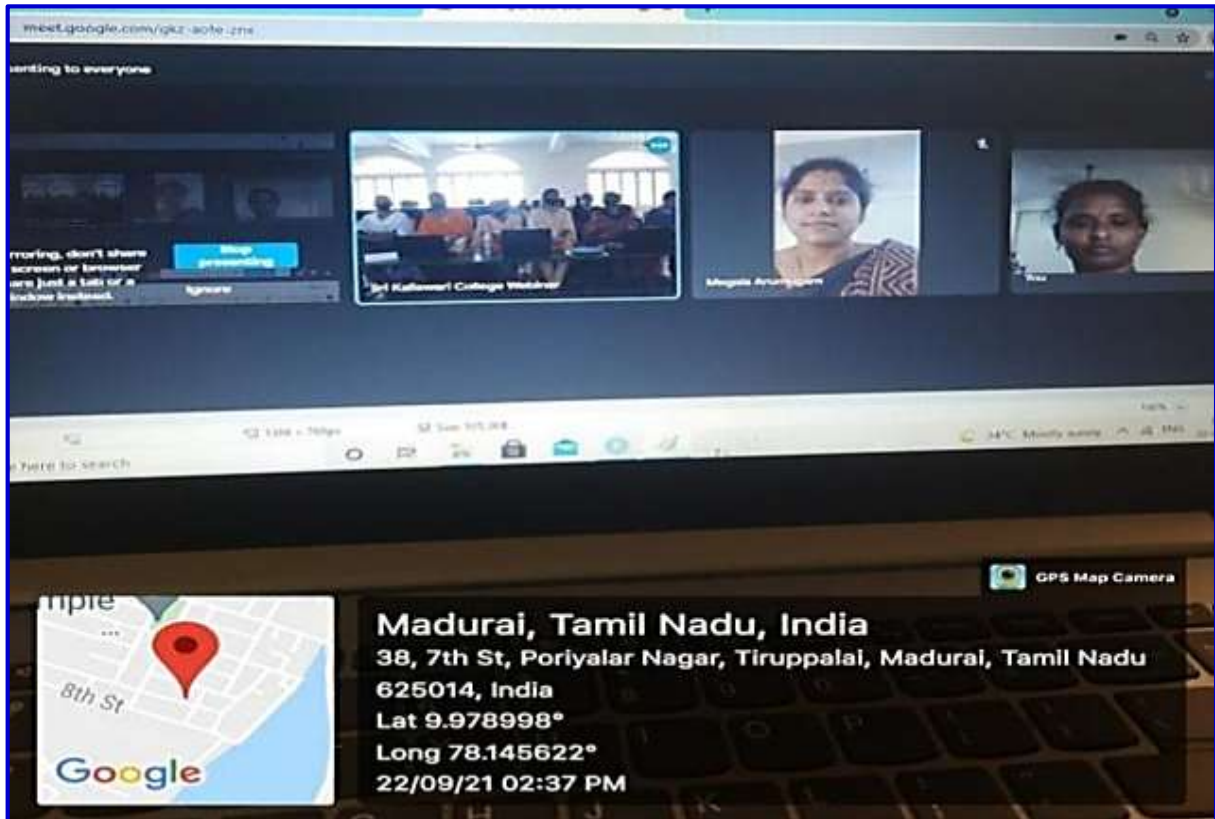
**Resource Persons**

 <p><b>Dr. P. Vidhya</b> Assistant Professor &amp; <b>HOD</b> Department of Mathematics</p>	 <p><b>Dr. S. Sripriya</b> Assistant Professor Department of Mathematics</p>	 <p><b>Mrs. A. Manimegalai</b> Assistant Professor Department of Mathematics</p>
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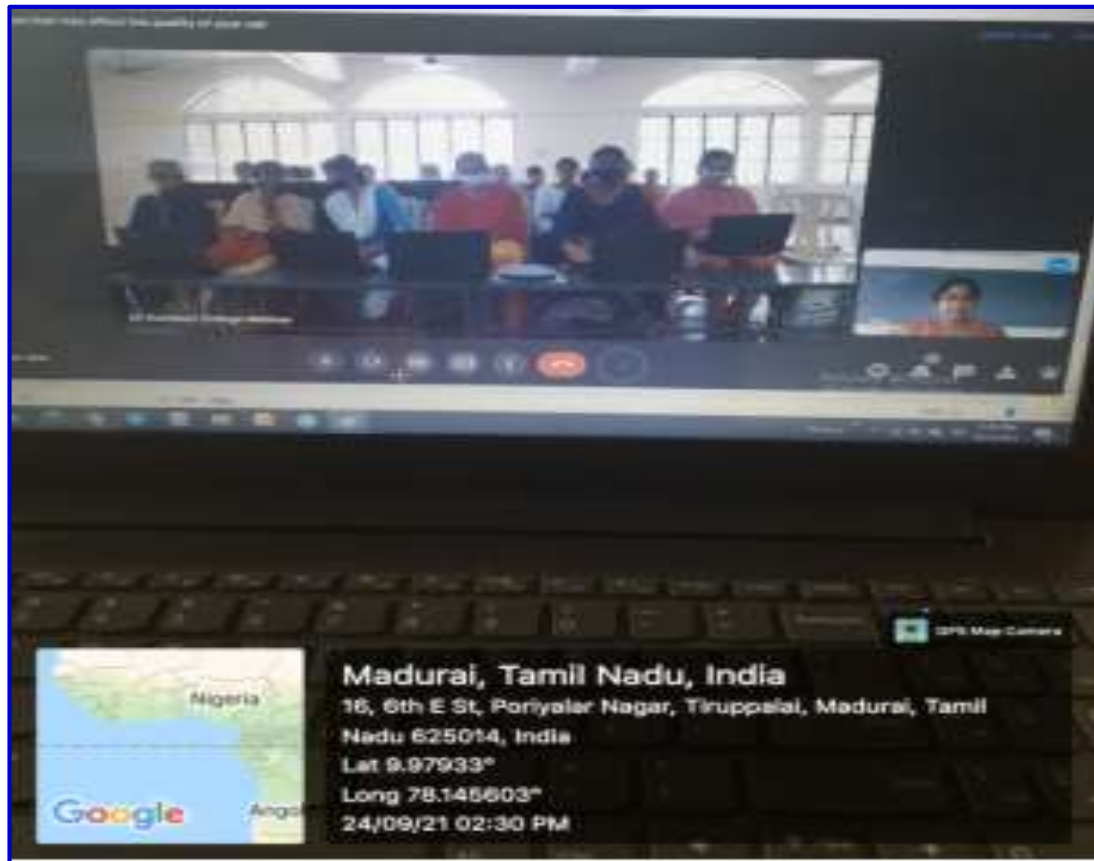


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**b. Screenshots:**



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**Faculty Exchange Program: Workshop entitled "Introduction to R Software" was conducted by Department of Mathematics, EMGYWC for students of Sri Kaliswari College, Sivakasi, from 20.09.2021 to 24.09.2021**



## **E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE**

### **c. Nominal Roll of Participants:**

#### **1. Student participants of other college:**

<b>FDP: Workshop on "Introduction to R Software"</b> <b>20.09.2021 to 24.09.2021</b>			
<b>S.No.</b>	<b>NAME</b>	<b>DEPARTMENT</b>	<b>COLLEGE</b>
1.	U. Gomathi	Mathematics	Sri Kaleeswari College, Sivakasi
2.	P. Lakshmi	Mathematics	Sri Kaleeswari College, Sivakasi
3.	N.MuthuPriya	Mathematics	Sri Kaleeswari College, Sivakasi
4.	T. Manimegalai	Mathematics	Sri Kaleeswari College, Sivakasi
5.	Ashwinipriya S	Mathematics	Sri Kaleeswari College, Sivakasi
6.	K Rajeswaran	Mathematics	Sri Kaleeswari College, Sivakasi
7.	Logarani N	Mathematics	Sri Kaleeswari College, Sivakasi
8.	K.Muthulatha	Mathematics	Sri Kaleeswari College, Sivakasi
9.	Logarani N	Mathematics	Sri Kaleeswari College, Sivakasi
10.	A.Karthiga Devi	Mathematics	Sri Kaleeswari College, Sivakasi
11.	ThangaMuniyammal.M	Mathematics	Sri Kaleeswari College, Sivakasi
12.	K. Swarnalatha	Mathematics	Sri Kaleeswari College, Sivakasi
13.	Madhumitha M	Mathematics	Sri Kaleeswari College, Sivakasi
14.	P.Priyadharshini	Mathematics	Sri Kaleeswari College, Sivakasi
15.	V. Siva	Mathematics	Sri Kaleeswari College, Sivakasi
16.	K. Prabavathi	Mathematics	Sri Kaleeswari College, Sivakasi
17.	M Kalushivalingam	Mathematics	Sri Kaleeswari College, Sivakasi
18.	B.Subhasini	Mathematics	Sri Kaleeswari College, Sivakasi
19.	B.Subhasini	Mathematics	Sri Kaleeswari College, Sivakasi
20.	P.Murugeswari	Mathematics	Sri Kaleeswari College, Sivakasi
21.	Ponnulakshmi.P.	Mathematics	Sri Kaleeswari College, Sivakasi
22.	K. VijayaRubini	Mathematics	Sri Kaleeswari College, Sivakasi
23.	Logarani N	Mathematics	Sri Kaleeswari College, Sivakasi
24.	Muthumari M	Mathematics	Sri Kaleeswari College, Sivakasi
25.	Vetrijesuraj M	Mathematics	Sri Kaleeswari College, Sivakasi