

**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)**  
**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**  
**BOMAC CLUB ACTIVITY**  
**2022-2023**

<b>S. NO</b>	<b>TITLE OF THE PROGRAMME</b>	<b>DATE</b>	<b>VENUE</b>	<b>RESOURCE PERSON</b>	<b>NO.OF. BENIFICIAR IES</b>
<b>01</b>	<b>Graph Coloring Problems</b>	<b>17.08.2022</b>	<b>Dr.Rameshwari Nallusamy Hall</b>	<b>Dr.S.Francis Raj, Assistant Professor, Department of the Mathematics, Pondicherry University, Pondicherry.</b>	<b>79</b>
<b>02</b>	<b>FDP On Proposal Writing for Swayam Moocs</b>	<b>26.08.2022</b>	<b>Dr.Rameshwari Nallusamy Hall</b>	<b>Dr.T.Asir Assistant Professor, Department of the Mathematics, Pondicherry University, Pondicherry.</b>	<b>115</b>
<b>03</b>	<b>Sustainability and Effective Municipal Solid Waste Management</b>	<b>12.09.2022</b>	<b>Dr.Rameshwari Nallusamy Hall</b>	<b>Mr.Anas Mohammed, Project Co-ordinator, Saahas, Trichy</b>	<b>80</b>
<b>04</b>	<b>Math Story Telling Day (Inter-Departmental Competition)</b>	<b>23.09.2022</b>	<b>Dr.Rameshwari Nallusamy Hall</b>	<b>-</b>	<b>206</b>
<b>05</b>	<b>Students Stress and Future</b>	<b>29.09.2022</b>	<b>Dr.Rameshwari Nallusamy Hall</b>	<b>Dr.K.Ronald Roy, Associate Professor, Department of Psychiatry, SRM College and Research Centre, Irungalur, Trichy</b>	<b>159</b>
<b>06</b>	<b>An Invitation to Real Analysis</b>	<b>17.12.2022</b>	<b>Dr.Rameshwari Nallusamy Hall</b>	<b>Mr.D.Chellapillai, Guest Faculty, Department of Mathematics, Central University of Tamil Nadu, Thiruvavarur.</b>	<b>158</b>

07	Reach Your Goals	09.03.2023	Dr.Rameshwari Nallusamy Hall	Ms.R.Kavya, (Alumnae 2014-2017) Assistant Manager, Union Bank of India, Hyderabad,	79
08	பெண்களும் சட்டமும்	09.03.2023	D1	Mrs.Chellam Thamizharasan, Advocate, Tiruchirappalli	72
09	Vedic Mathematics- Shortcut Tricks to Crack Competitive Examinations	10.03.2023	Cauvery Hall	Professor &HOD, Department of Cyber Security and Cyber Forensics Institute of Engineering and Technology Srinivas University Mukka-574146, Mangalore, Karnataka	122
10	Maths Tricks -Extension Activity	28.03.2023	ஊராட்சி ஒன்றிய தொடக்கப்பள்ளி சீராத்தோப்பு	-	100
11	Mathematical Modeling for Health Technology Assessment and Health Economic Evaluation Focusing on Tuberculosis	20.03.2023	Dr.Rameshwari Nallusamy Hall	1.Dr. M. Muniyandi, Scientist-D &HOD, Department to Health Economics, ICMR-NIRT. 2. Dr. S. Savithri, Deputy Director, Health Services (TB)&District TB Officer, Trichy District.	120

## **PG AND RESEARCH DEPARTMENT OF MATHEMATICS**

### **BOMAC CLUB**

### **ACTIVITY REPORT**

**NAME OF THE ACTIVITY: GRAPH COLORING PROBLEMS**

**DATE & TIME : 17.08.2022 & 02.00 PM - 03.00 PM**

**NO. OF PARTICIPANTS : 79**

**RESOURCE PERSON : Dr. S. FRANCIS RAJ,**

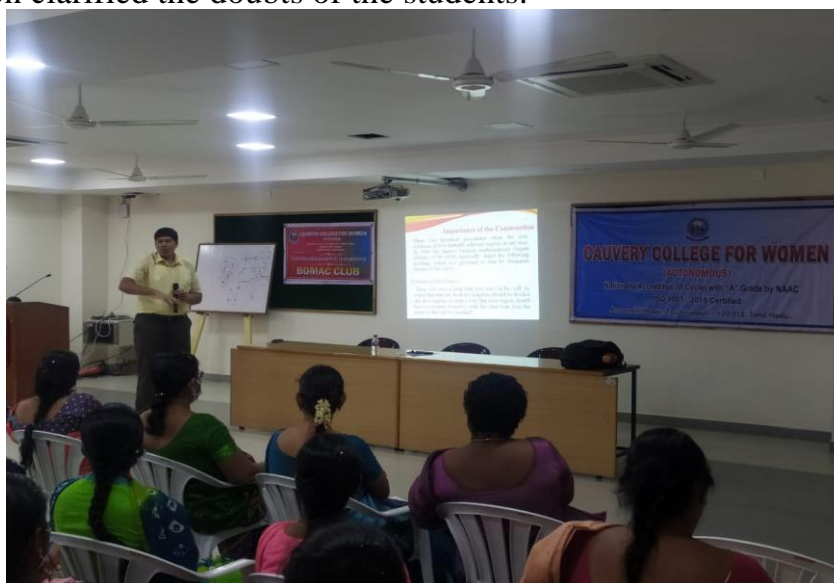
**ASSISTANT PROFESSOR,**

**DEPARTMENT OF MATHEMATICS,**

**PONDICHERRY UNIVERSITY.**

#### **OUTCOME OF THE EVENT:**

Graph coloring problem is to assign colors to certain elements of a graph subject to certain constraints. Vertex coloring is the most common graph coloring problem. The problem is, given  $m$  colors, find a way of coloring the vertices of a graph such that no two adjacent vertices are colored using same color. The other graph coloring problems like Edge Coloring (No vertex is incident to two edges of same color) and Face Coloring (Geographical Map Coloring) can be transformed into vertex coloring. The participants were including the faculty and students. Questions were asked during the Session. Our Resource person Dr. S. Francis Raj, explained the basic concepts of Graph Coloring problems. Students have actively participated and raised various questions related to the topic and our resource person clarified the doubts of the students.







## CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)

NATIONALLY ACCREDITED BY NAAC (III CYCLE) WITH 'A' GRADE

ISO 9001:2015

ANNAMALAI NAGAR, TIRUCHIRAPALLI-620018

### BOMAC CLUB

PG AND RESAERCH DEPARTMENT OF MATHEMATICS

ORGANIZES

SEMINAR ON

### SUSTAINABILITY & EFFECTIVE MUNICIPAL SOLID WASTE MANAGEMENT

RESOURCE PERSON

Mr. ANAS MOHAMMED ME.,

PROJECT COORDINATOR,

SAAHAS,

TRICHY.

DATE: 12.09.2022

TIME: 1.30 PM -2.30 PM

VENUE: Dr. Mrs. RAMESWARI NALLUSAMY HALL

ALL ARE CORDIALLY WELCOME

**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY – 18**

**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**

**BOMAC CLUB**

**ACTIVITY REPORT**

**NAME OF THE ACTIVITY: SUSTAINABILITY AND EFFECTIVE MUNICIPAL  
SOLID WASTE MANAGEMENT**

**DATE & TIME : 12.09.2022& 02.00 PM – 03.00 PM**

**NO. OF PARTICIPANTS :80**

**RESOURCE PERSON : Mr. ANAS MOHAMMED,  
PROJECT CO- ORDINATOR,  
SAAHAS,  
TRICHY.**

**OUTCOME OF THE EVENT:**

Municipal solid waste management (MSWM) has emerged as a big challenge not only because of the health and environmental concerns but also due to huge quantities of waste generated. It is observed from many research documents that most urban local bodies (ULBs) in India are unable to handle such huge quantities of solid waste due to financial and institutional debilities. The participants were including the faculty and students. Questions were asked during the Session. Our Resource person Mr. Anas Mohammed, explained the difficulties in the environment and how to overcome the difficulties. He described about the sustainability and effective solid waste management. Students have actively participated and raised various questions related to the topic and our resource person clarified the doubts of the students.







**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY – 18**

**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**

**BOMAC CLUB**

**ACTIVITY REPORT**

**NAME OF THE ACTIVITY: STUDENTS STRESS AND FUTURE**

**DATE & TIME : 29.09.2022& 01.30 PM – 03.00 PM**

**NO. OF PARTICIPANTS :159**

**RESOURCE PERSON :Dr. K. RONALD ROY, MBBS., MD., (PSYCHIATRY),**

**ASSOCIATE PROFESSOR,**

**DEPARTMENT OF PSYCHIATRY,**

**TRICHY SRM COLLEGE AND RESEARCH CENTRE,**

**IRUNGALUR, TRICHY.**

**OUTCOME OF THE EVENT:**

Research indicates that when we feel overwhelming stress related to school it not only demotivates us to do the work, it reduces our overall academic achievement and can lead to increased dropout rates. Not to mention the negative health implications, including depression, poor sleep, substance abuse, and anxiety. The participants were including the faculty and students. Questions were asked during the Session. Our Resource person Dr. K. Ronald Roy., MBBS., MD., (Psychiatry), explained how to overcome the stress during student life. Students have actively participated and raised various questions related to the topic and our resource person clarified the doubts of the students.





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Annamalai Nagar, Tiruchirappalli - 620018

**PG AND RESEARCH DEPARTMENT OF  
MATHEMATICS**

**BOMAC CLUB**

**organizes**

**Skill Enhancement Programme on  
AN INVITATION TO REAL ANALYSIS**



TO COMMEMORATE

**RAMANUJAN'S DAY**

RESOURCE PERSON

**Mr. D. CHELLAPILLAI**

Guest Faculty,

Department of Mathematics,  
Central University of Tamilnadu,  
Thiruvavarur.



**Dr. Rameswari Nallusamy Hall**



**17.12.2022**



**10.00 AM-12.00PM**



**ALL ARE CORDIALLY WELCOME**



**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY – 18**

**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**

**BOMAC CLUB**

**ACTIVITY REPORT**

**NAME OF THE ACTIVITY: AN INVITATION TO REAL ANALYSIS**

**DATE & TIME: 17.12.2022 & 01.30 PM – 03.00 PM**

**NO. OF PARTICIPANTS: 158**

**RESOURCE PERSON: Mr. D. CHELLAPILLAI,**

**GUEST FACULTY,**

**DEPARTMENT OF MATHEMATICS,**

**CENTRAL UNIVERSITY OF TAMILNADU,**

**THIRUVARUR.**

**OUTCOME OF THE EVENT:**

Real analysis is a branch of mathematical analysis that analyses the behaviour of real numbers, sequences and series, and real functions. Convergence, limits, continuity, smoothness, differentiability, and integrability are some of the features of real-valued sequences and functions that real analysis explores. Our Resource person Mr. D. Chellapillai, explained the basic concepts of Real Analysis. Students have actively participated and raised various questions related to the topic and our resource person clarified the doubts of the students.









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ANNAMALAI NAGAR, TIRUCHIRAPALLI - 620018

### BOMAC CLUB

PG and Research Department of Mathematics

&

CAUVERY COLLEGE ALUMNAE ASSOCIATION ( CCAA)

Jointly Organizes Programme On

### "REACH YOUR GOALS"

(A CAREER GUIDANCE PROGRAMME )

RESOURCE PERSONS



Ms.R.Kavya,  
Assistant Manager,  
Union Bank of India,  
Hyderabad.

B.Sc Maths (2014 - 2017) Batch.

On

Date: 09.03.2023

Time: 10.00 AM to 12.00 PM

Venue: Dr.Mrs. Rameswari Nallusamy Hall

**ALL ARE CORDIALLY INVITED**



**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY – 18**

**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**

**BOMAC CLUB**

**ACTIVITY REPORT**

**NAME OF THE ACTIVITY: REACH YOUR GOALS**

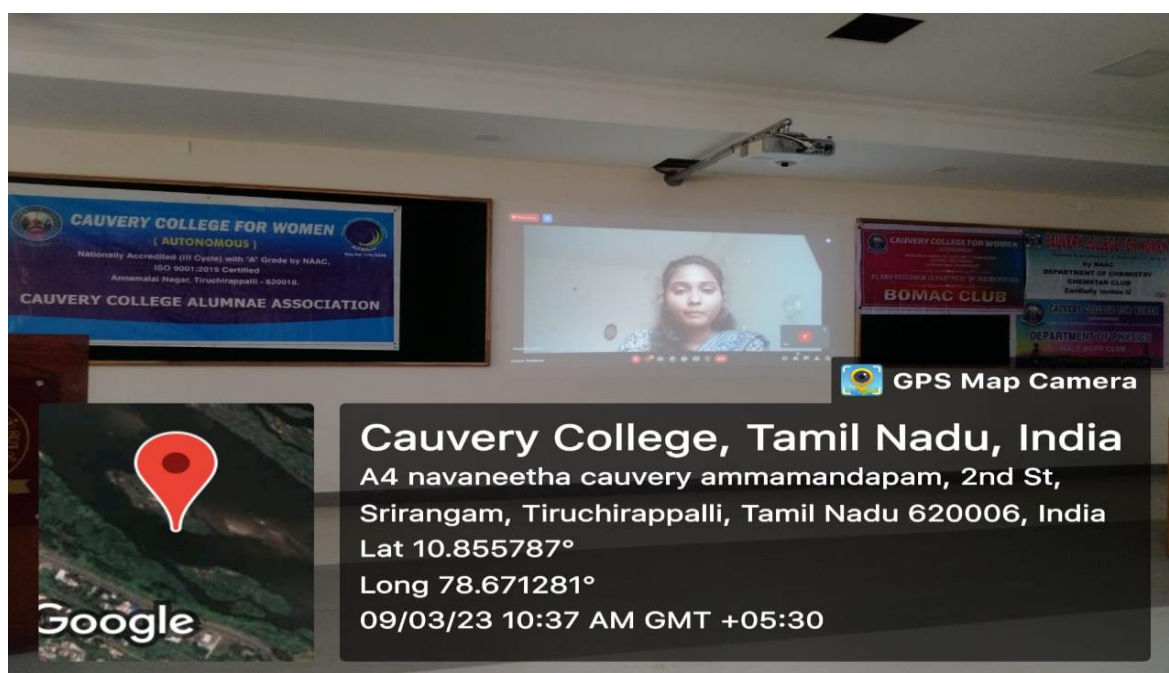
**DATE & TIME: 09.03.2023 & 10.00 AM – 12.00 PM**

**NO. OF PARTICIPANTS: 79**

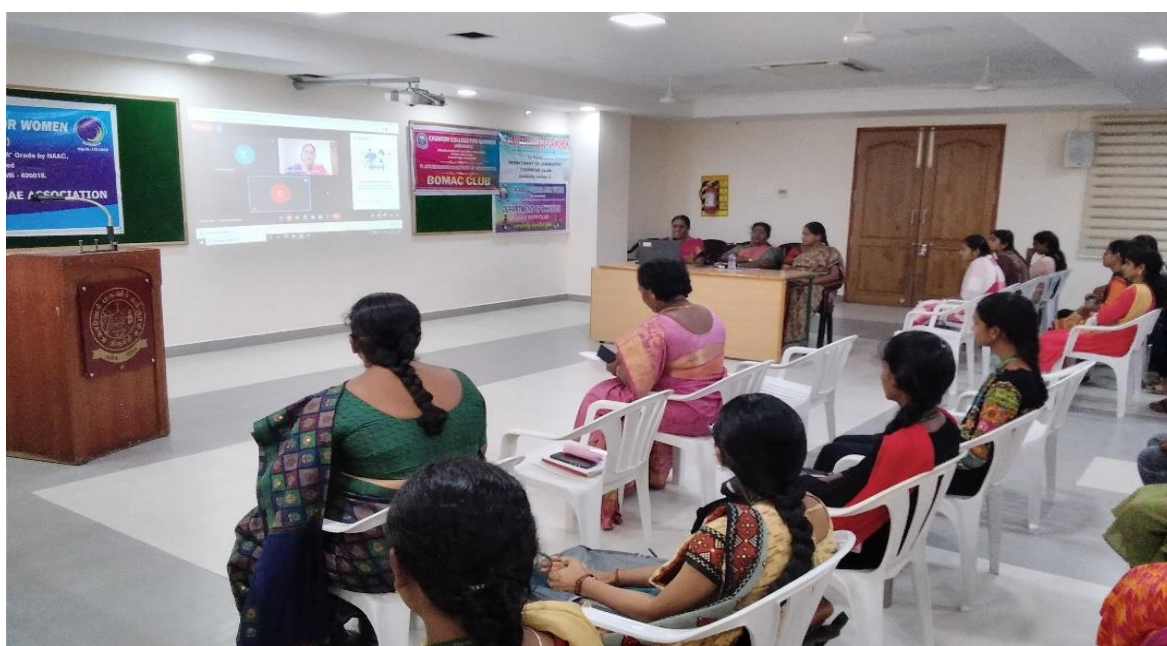
**RESOURCE PERSON: Ms.R.Kavya,  
(Alumnae 2014-2017)  
Assistant Manager,  
Union Bank of India,  
Hyderabad.**

**OUTCOME OF THE EVENT:**

Our resource person and our distinguished alumnae motivated the students by her achievements. The participants were final year UG students. Our Resource person Ms.R.Kavya, (Alumnae 2014-2017), Assistant Manager, Union Bank of India, Hyderabad explained how to overcome the future with good job opportunities and how to reach the goals of the students in a good way. Students have actively participated and raised various questions related to the topic and our resource person clarified the doubts of the students.











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## PG and Research Department of Mathematics BOMAC CLUB

Organizes programme on



பெண்களும்  
சட்டமும்



### RESOURCE PERSON

Mrs. Chellam Thamizharasan

Advocate

Tiruchirappalli



09.03.2023



D1



01.00 PM



ALL ARE CORDIALLY WELCOME





**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY – 18**

**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**

**BOMAC CLUB**

**ACTIVITY REPORT**

**NAME OF THE ACTIVITY: பெண்களும் சட்டமும்**

**DATE & TIME: 09.03.2023 & 01.00 PM – 2.45 PM**

**NO. OF PARTICIPANTS: 72**

**RESOURCE PERSON: Mrs.Chellam Thamizharasan,  
Advocate,  
Tiruchirappalli**

**OUTCOME OF THE EVENT:**

According to the Indian constitution, Women's are legal citizens of our country. Right against female foeticide, right to education, right to be raised in a safe environment, right to inherit property, right against child marriage these are some of the laws. Our resource person has explained the importance of law in women's life. And explained some of the major laws that should be known to the students and Students have actively participated and raised various questions related to the topic and our resource person clarified the doubts of the students.





GPS Map Camera

CAUVERY COLLEGE FOR WOMEN ( Autonomous)  
CAUVERY COLLEGE FOR WOMEN  
( Autonomous)  
Lat 10.820723°  
Long 78.675453°  
09/03/23 01:58 PM GMT +05:30



GPS Map Camera

CAUVERY COLLEGE FOR WOMEN ( Autonomous)  
CAUVERY COLLEGE FOR WOMEN  
( Autonomous)  
Lat 10.820723°  
Long 78.675453°  
09/03/23 01:58 PM GMT +05:30





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Annamalai Nagar, Tiruchirappalli - 620018

## PG and Research Department of Mathematics BOMAC CLUB

Organizes  
Capacity Building Programme  
On

### Vedic Mathematics-Shortcut Tricks to Crack Competitive Examinations

#### RESOURCE PERSON

Dr. Krishna Prasad K,

M.Sc. (Information Science),

M. Tech. (IT), M. Phil. (CS), Ph.D., PDFC

Professor & HOD, Department of Cyber Security and  
Cyber Forensics

Institute of Engineering and Technology  
Srinivas University

Mukka-574146, Mangalore, Karnataka



March 11,  
2023



Cauvery Hall



12.00 PM to  
1.00 PM



ALL ARE CORDIALLY WELCOME



**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY – 18**

**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**

**BOMAC CLUB**

**ACTIVITY REPORT**

**NAME OF THE ACTIVITY: VEDIC MATHEMATICS-SHORTCUT TRICKS TO CRACK  
COMPETITIVE EXAMINATIONS**

**DATE & TIME: 11.03.2023 & 12.00 PM – 01.00 PM**

**NO. OF PARTICIPANTS: 122**

**RESOURCE PERSON: Dr. K. Krishna Prasad,  
Professor & HOD,  
Department of Cyber Security and Cyber Forensics  
Institute of Engineering and Technology  
Srinivas University  
Mukka-574146, Mangalore, Karnataka**

**OUTCOME OF THE EVENT:**

Vedic Mathematics is one of the fastest Mental Math techniques. It is a collection of techniques also known as 'Sutras' to solve maths in an easier and faster way. It consists of 16 Sutras and 13 Sub-Sutras which when mastered helps an individual to solve mathematical problems up to 10 times faster than usual. Our Resource person Dr. K. Krishna Prasad have explained some tricks of the Vedic Maths and given some examples to do Math faster. Students have actively participated and raised various questions related to the topic and our resource person clarified the doubts of the students.

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**ACTIVITY REPORT**

**NAME OF THE ACTIVITY: Mathematical Modeling for Health Technology Assessment  
and Health Economic Evaluation Focusing on Tuberculosis**

**DATE & TIME: 20.03.2023 & 09.00 AM – 03.30 PM**

**NO. OF PARTICIPANTS: 120**

**RESOURCE PERSON: 1. Dr. M. Muniyandi,  
Scientist-D & HOD,  
Department to Health Economics,  
ICMR-NIRT.**

**2. Dr. S. Savithri,  
Deputy Director,  
Health Services (TB) & District TB Officer,  
Trichy District.**

**OUTCOME OF THE EVENT:**

Maths plays an major role in various field. In this session students from various college participated and learned about the Mathematical Modeling for Health Technology Assessment and health Economic Evaluation Focusing on Tuberculosis. Students actively participated in this session and raised various questions and cleared their doubts. Our Resource persons were explaining their Scientific ideas to the students and students got benefited a lot.







**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY – 18**

**PG AND RESEARCH DEPARTMENT OF MATHEMATICS  
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**ACTIVITY REPORT**

**NAME OF THE ACTIVITY: MATH STORYTELLING DAY ( INTER- DEPARTMENTAL  
COMPETITION)**

**DATE & TIME: 23.08.2022& 10.00 AM**

**NO. OF PARTICIPANTS: 206**

**OUTCOME OF THE EVENT:**

In the eve of Math storytelling day various competitions has been conducted among the various department. Students were actively participated and stimulated their mind and tried to overcome the competition and they were ranked by their marks. The competitions were Math fun, E-content and Poster making competitions.



