

**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)**  
**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**  
**BOMAC CLUB ACTIVITY**  
**2021-2022**

<b>S. NO</b>	<b>TITLE OF THE PROGRAMME</b>	<b>DATE</b>	<b>VENUE</b>	<b>RESOURCE PERSON</b>	<b>NO.OF. BENEFICIARIES</b>
01	Cognitive Research and Applied Mathematics	25.08.2021	Google Meet	Dr.N.Balaji Assistant professor (SG), Department of the Mathematics, SRM Institute of Science And Technology, KTR-Chennai.	107
02	R for Statistics	26.08.2021	Google Meet	Dr.K.Maheshwari Head of the Department, Department of the Mathematics, Kumaraguru college of Technology, Coimbatore.	105
03	Calculus with R	27.08.2021	Google Meet	Dr.J.Rajasingh Assistant professor II, Department of the Mathematics, Kumaraguru college of Technology, Coimbatore.	75
04	Awake to Discuss about Negative Impact of Technology in Students	01.10.2021	Google Meet	Mr. Arvindan Ganesan Head, Department of Social Work, Athma Hospitals and Research, Trichy.	100
05	Sequence Alignment using Graph Theory and Binary Strings	06.10.2021	Google Meet	Dr.M.Yamuna Associate Professor Department of Mathematics, School of Advanced Science, VIT University Vellore.	75
06	Math Intellect 2K21	22.12.2021	Room No: D1	-	65

**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY - 18**  
**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**  
**BOMAC CLUB**  
**ACTIVITY REPORT**

**Name of the Activity** : Cognitive Research and Applied Mathematics  
**Date & Time** : 25.08.2021 & 10.30 to 11.30 AM  
**No. of Participants** : 75  
**Resource Person** : Dr. N. Balaji. MSc., MBA, M.Phil., Ph.D.,  
Assistant professor (SG),  
Department of the Mathematics,  
SRM Institute of Science and Technology,  
KTR-Chennai.

**Out Come of the Event:**

New application areas are constantly being discovered while established techniques are being applied in new ways in emerging fields. Consequently, a wide variety of career opportunities are open to people with mathematical talent and training. Resource person motivated the students in research area.



  
**CAUVERY COLLEGE FOR WOMEN  
(AUTONOMOUS)**  
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ISO 9001 : 2015 CERTIFIED  
ANNAMALAI NAGAR, TIRUCHIRAPPALLI - 18  
**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**  
**BOMAC CLUB**  
ORGANIZING WEBINAR ON  
**COGNITIVE RESEARCH AND APPLIED MATHEMATICS**

  
**RESOURCE PERSON**  
**Dr. N. BALAJI** M.Sc., MBA., M. Phil., Ph.D.  
ASSISTANT PROFESSOR (SG),  
DEPARTMENT OF MATHEMATICS,  
SRM INSTITUTE OF SCIENCE  
AND TECHNOLOGY,  
KTR-CHENNAI.

**DATE :**  
25.08.2021

 <https://meet.google.com/tkg-srgg-yek>

**TIME: 10.30 AM  
-11.30 AM**

Browser tabs: Untitled form - Google Forms | Inbox (544) - radha.maths@cau... | (3) WhatsApp | Meet - tkg-sr-gg-yek

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REC



Balaji N

10:39 AM | tkg-sr-gg-yek

Participants:

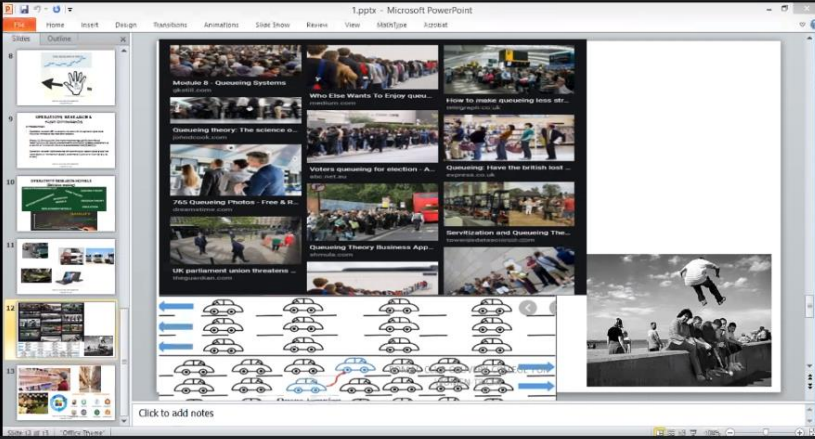
- Saritha Mathem...
- Sivamari Shree
- Janaki Mathem...
- kalaivaniva mat
- sivagamasundar...
- vennilat mat
- keerthika mat
- 73 others
- You

Windows taskbar: Type here to search, 10:39 AM IN 25-Aug-21

Browser tabs: Untitled form - Google Forms | Inbox (544) - radha.maths@cau... | (5) WhatsApp | WEBINAR ON COGNITIVE RE... | Meet - tkg-sr-gg-yek

Address bar: meet.google.com/tkg-sr-gg-yek

REC | Balaji N is presenting



11:06 AM | tkg-sr-gg-yek

Participants:

- Balaji N
- Saritha Mathem...
- Rihana Henna
- Janaki Mathema...
- sivagamasundar...
- keerthika mat
- Sivamari Shree
- 72 others
- You

Windows taskbar: Type here to search, 11:06 AM IN 25-Aug-21

**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY - 18**  
**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**  
**BOMAC CLUB**  
**ACTIVITY REPORT**

**Name of the Activity** : R for Statistics  
**Date & Time** : 26.08.2021&2.00 PM to 3.00 PM  
**No. of Participants** : 105  
**Resource Person** : Dr.K.Maheshwari  
Head of the Department(I/C),  
Department of the Mathematics,  
Kumaraguru college of Technology,  
Coimbatore.

**Out Come of the Event:**

R is one of the most widely used statistics software packages in the world. Its versatility as a programming language and its interconnectivity with email, web page generation and other computer processes make it a bit daunting for people just starting to use it for data analysis. This webinar introduces R software and its use for data analysis. To learn how to type commands, install and load packages, and use the pull-down menus of R Commander (Rcmdr) to compute confidence intervals and a test for whether the mean exceeds a numerical standard.

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**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**  
**BOMAC CLUB**  
ORGANIZING  
**TWO DAYS WEBINAR ON R – PROGRAMMING**

**Dr. K. MAHESHWARI,**  
HEAD (I/C) OF THE DEPARTMENT,  
DEPARTMENT OF MATHEMATICS,  
KUMARAGURU COLLEGE OF TECHNOLOGY,  
COIMBATORE.

**Dr. J. RAJASINGH,**  
ASSISTANT PROFESSOR II,  
DEPARTMENT OF MATHEMATICS,  
KUMARAGURU COLLEGE OF TECHNOLOGY,  
COIMBATORE.

**TOPIC : R FOR STATISTICS**  
**DATE: 26.08.2021**  
**TIME: 2.00 PM - 3.00 PM**

**TOPIC : CALCULUS WITH R**  
**DATE: 27.08.2021**  
**TIME: 10.30 AM - 11.30 AM**

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REC



Maheswari K

3:19 PM | tkg-sr-gg-yek

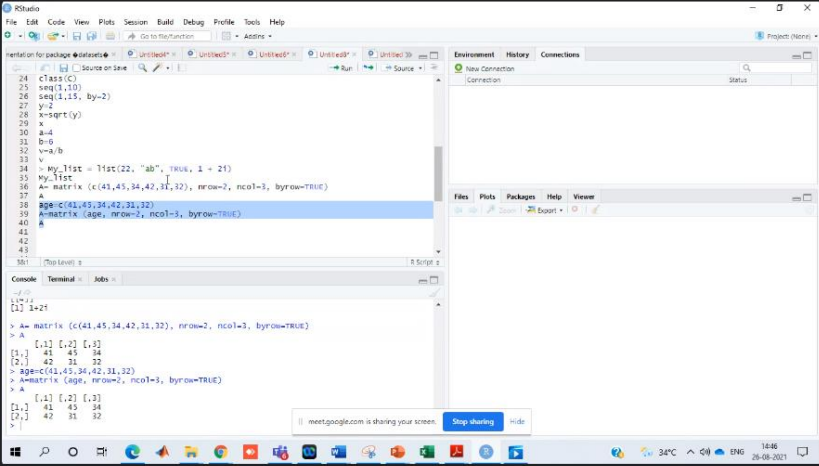
Participants:

- Rajeshwari074...
- S Bhavani
- sivagamasund...
- Premalatha Ma...
- 19116013 mat
- prakalyam mat
- Saritha Mathem...
- 61 others
- You

Windows taskbar: Type here to search, Google Meet, ENG IN, 3:19 PM, 26-Aug-21

meet.google.com/tkg-sr-gg-yek

REC Maheswari K is presenting



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24 class(C)
25 seq(1,10)
26 seq(1,15, by=2)
27 y=2
28 x=sqrt(y)
29 A
30 a=4
31 b=6
32 v=a/b
33 v
34 ~ my_list = list(22, "ab", TRUE, 1 + 2i)
35 my_list
36 A = matrix(c(41,45,34,42,31,32), nrow=2, ncol=3, byrow=TRUE)
37 A
38 age=c(41,45,34,42,31,32)
39 Amatrix = (age, nrow=2, ncol=3, byrow=TRUE)
40 A
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```

Console:

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> my_list
[1] 22 "ab" TRUE 1 + 2i
> A
     [,1] [,2] [,3]
[1,] 41  45  34
[2,] 42  31  32
> age=c(41,45,34,42,31,32)
> Amatrix = (age, nrow=2, ncol=3, byrow=TRUE)
> A
     [,1] [,2] [,3]
[1,] 41  45  34
[2,] 42  31  32

```

Participants:

- PavithraBanu. A ...
- 19116016 mat
- 19116028 mat
- 19116006 mat
- prakalyam mat
- sivagamasundar...
- Maheswari K
- 74 others
- You

Windows taskbar: Type here to search, Google Meet, ENG IN, 2:50 PM, 26-Aug-21

**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY - 18**  
**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**  
**BOMAC CLUB**  
**ACTIVITY REPORT**

**Name of the Activity** : Calculus with R  
**Date & Time** : 27.08.2021 & 10.30 AM to 11.30 AM  
**No. of Participants** : 107  
**Resource Person** : Dr.J.Rajasingh  
Assistant professor II,  
Department of the Mathematics,  
Kumaraguru college of Technology,  
Coimbatore.

**Out Come of the Event:**

The Speaker of the Session Rajasingh presented the keynote address on “Introduction to Data Science”. He discussed the basic concepts used in the technology relating with best suitable real life examples which are essential for the understanding of technology. He projected a clear understanding of the importance of calculus of R and future problems in the real world. This programme is arranged in the motive of sharing the knowledge and practical experience of R.



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**Dr. K. MAHESHWARI,**  
HEAD (I/C) OF THE DEPARTMENT,  
DEPARTMENT OF MATHEMATICS,  
KUMARAGURU COLLEGE OF TECHNOLOGY,  
COIMBATORE.

**Dr. J. RAJASINGH,**  
ASSISTANT PROFESSOR II,  
DEPARTMENT OF MATHEMATICS,  
KUMARAGURU COLLEGE OF TECHNOLOGY,  
COIMBATORE.


**TOPIC : R FOR STATISTICS**  
**DATE: 26.08.2021**  
**TIME: 2.00 PM - 3.00 PM**

**TOPIC : CALCULUS WITH R**  
**DATE: 27.08.2021**  
**TIME: 10.30 AM - 11.30 AM**

 <https://meet.google.com/tkg-srgg-yek>

meet.google.com/tkg-sr-gg-yek

rajasingh jacob is presenting



2:19 PM | tkg-sr-gg-yek

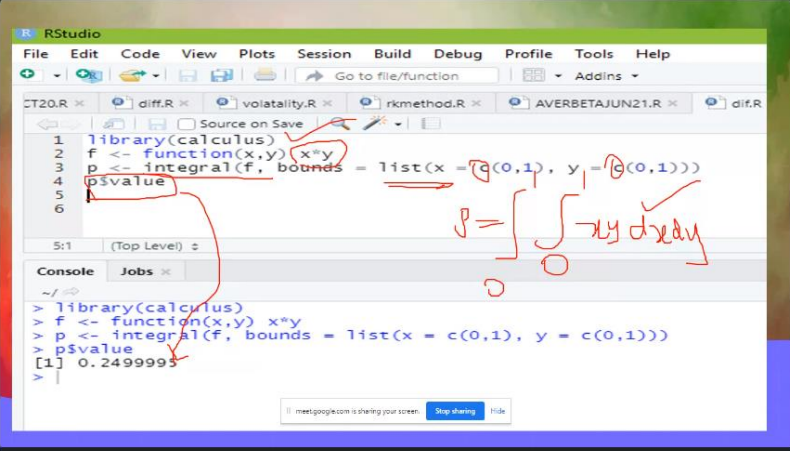
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Windows taskbar: Edge, File Explorer, Chrome, etc.

System tray: 14:19, 27-08-2021

meet.google.com/tkg-sr-gg-yek

rajasingh jacob is presenting



```
1 library(calculus)
2 f <- function(x,y) x*y
3 p <- integral(f, bounds = list(x = c(0,1), y = c(0,1)))
4 p$value
5
6
```

Console

```
> library(calculus)
> f <- function(x,y) x*y
> p <- integral(f, bounds = list(x = c(0,1), y = c(0,1)))
> p$value
[1] 0.2499995
```

$$p = \int_0^1 \int_0^1 xy \, dx \, dy$$

2:40 PM | tkg-sr-gg-yek

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Windows taskbar: Edge, File Explorer, Chrome, etc.

System tray: 14:40, 27-08-2021



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

**Name of the Activity :** Awake to Discuss about Negative Impact of Technology in Students Mental Health

**Date & Time :** 01.10.2021 & 11.00 AM to 12.00 PM

**No. of Participants :** 100

**Resource Person :** Aravindan Ganesan MSW, MPhil.,  
Head Department of Social work,  
Athma Hospitals and Research,  
Trichy.

**Out Come of the Event:**

The webinar will present the mental health situation in the Region during the pandemic, as well as its implications for the future. The Resource person identified the socioeconomic consequences of the pandemic on the country as well as opportunities it has presented for innovations in health care. He concluded his presentation by stressing the need to sustain progress made in mental health during the pandemic, which calls for greater investment in mental health.

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**BOMAC CLUB**  
ORGANIZING WEBINAR ON  
**AWAKE TO DISCUSS ABOUT NEGATIVE IMPACT OF TECHNOLOGY IN STUDENTS MENTAL HEALTH**

**ARAVINDAN GANESAN** MSW., M. Phil.,  
HEAD DEPARTMENT OF SOCIAL WORK,  
ATHMA HOSPITALS AND RESEARCH,  
TRICHY - 18

11 AM - 12 PM  
OCT 01.10.2021

<https://meet.google.com/gco-skvz-gik>



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NAVEENA G was not allowed to join this meeting  
Aravindan Ganesan

Tracking Started 22 min 3s ago  
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11:10 AM | gco-skvz-... 28°C Light rain ENG 11:10 01-10-2021

People

Save attendance

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In call

- Radha Mathematics (You) Meeting host
- aarthi mat
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- abinayasri mat
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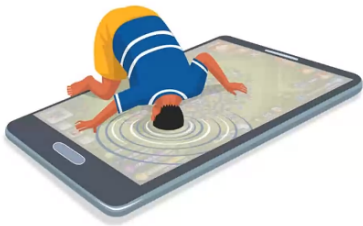
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REC You have extensions installed that may affect the quality of your call Learn more Dismiss

Aravindan Ganesan is presenting



The prevalence of Internet addiction disorder can be attributed to the fact that it has become increasingly **difficult to distinguish between** the online and offline worlds or in other words between the **real and the virtual worlds.**

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11:24 AM | gco-skvz-... 28°C Rain showers ENG 11:24 01-10-2021

Aravindan Ganesan

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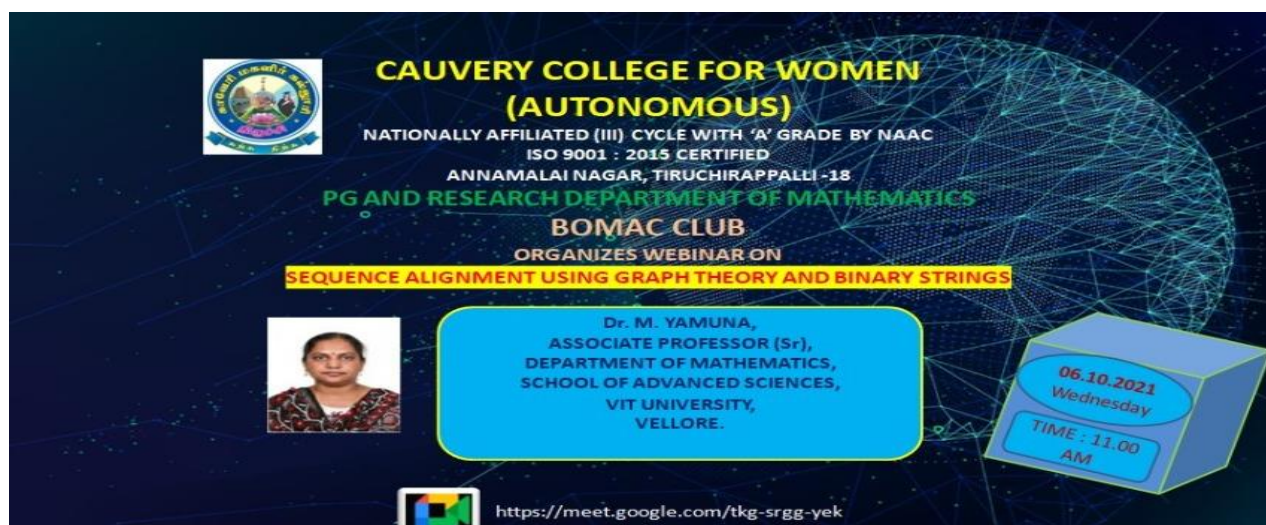
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**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY - 18**  
**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**  
**BOMAC CLUB**  
**ACTIVITY REPORT**


**Name of the Activity** : Sequence Alignment using Graph Theory and Binary Strings  
**Date & Time** : 06.10.2021 & 11 AM to 12PM  
**No. of Participants** : 75  
**Resource Person** : Dr. M. YAMUNA,  
ASSOCIATE PROFESSOR (Sr),  
DEPARTMENT OF MATHEMATICS,  
SCHOOL OF ADVANCED SCIENCES,  
VIT UNIVERSITY, VELLORE.

**Out Come of the Event :**


Graphs can be used to model many types of relations and processes in physical, biological, social and information systems, and has a wide range of useful applications. The resource person introduced various graph theoretic concepts and research applications to the participants. She engaged the participants in learning the concepts of Eulerian graphs, Hamiltonian graphs, Dominating sets, Graph labelling and research applications in Biology. The participants were includes the faculty and students. Questions were posed during the sessions. Our chief guest Dr. M. Yamuna, explained the Basic Concepts of Graph Theory and its Real time Applications. 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 AFFILIATED (III) CYCLE WITH 'A' GRADE BY NAAC  
ISO 9001 : 2015 CERTIFIED  
ANNAMALAI NAGAR, TIRUCHIRAPPALLI -18  
**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**  
**BOMAC CLUB**  
ORGANIZES WEBINAR ON  
**SEQUENCE ALIGNMENT USING GRAPH THEORY AND BINARY STRINGS**

  
Dr. M. YAMUNA,  
ASSOCIATE PROFESSOR (Sr),  
DEPARTMENT OF MATHEMATICS,  
SCHOOL OF ADVANCED SCIENCES,  
VIT UNIVERSITY,  
VELLORE.

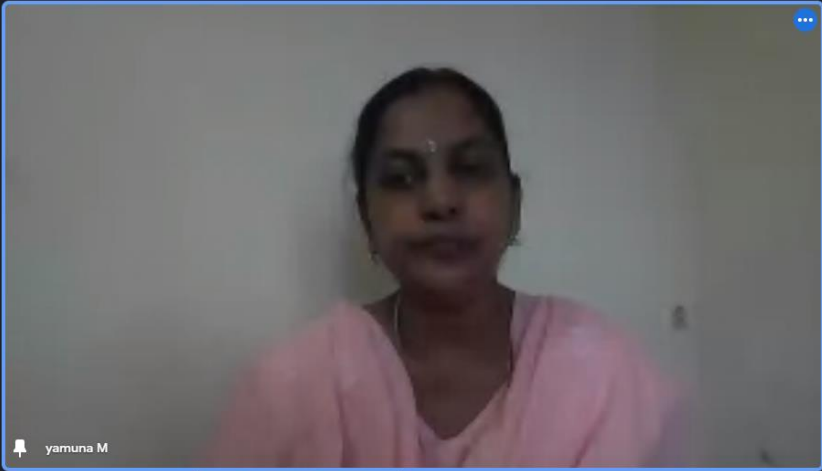
**06.10.2021**  
Wednesday  
**TIME : 11.00 AM**

 <https://meet.google.com/tkg-srgg-yek>

Meet - tkg-srgg-yek

meet.google.com/tkg-srgg-yek?pli=1&authuser=2

REC Radha Mathematics is presenting



yamuna M

Tracking Started 6 min 23s ago  
Click To Generate Report

10:58 AM | tkg-srgg-...

30°C Light rain

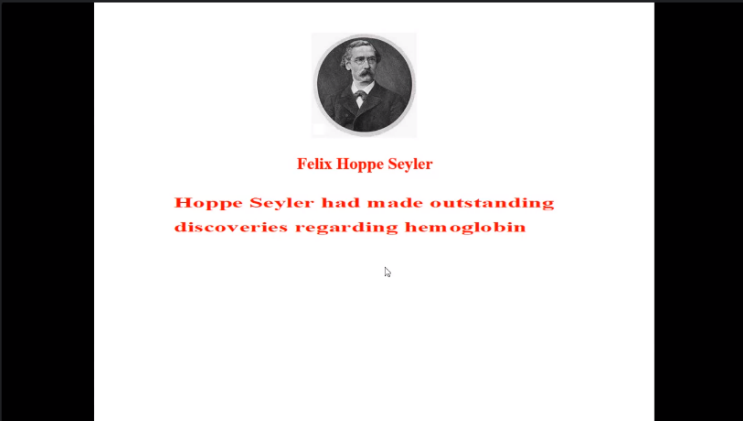
ENG 10:58 AM

keerthika mat, manjulak mat, Radha Mathematics (Presentation), prakalyam mat, santhiyas mat, divyabharathim mat, 47 others, You

Meet - tkg-srgg-yek

meet.google.com/tkg-srgg-yek?pli=1&authuser=2

REC yamuna M is presenting



Felix Hoppe Seyler

**Hoppe Seyler had made outstanding discoveries regarding hemoglobin**

abnam mat, divyabharathim mat, prakalyam mat, abinayar mat, balasubulakshmi g..., yamuna M, nishanthinig mat, 43 others, You

Tracking Started 1 hr 9 min 38s ago  
Click To Generate Report

12:02 PM | tkg-srgg-...

30°C Light rain

ENG 12:02 PM



**CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS), TRICHY - 18**  
**PG AND RESEARCH DEPARTMENT OF MATHEMATICS**  
**BOMAC CLUB**  
**ACTIVITY REPORT**

**Name of the Activity** : Math Intellect 2K21  
**Date & Time** : 22.12.2021 & 10 AM to 1PM  
**No. of Participants** : 65  
**Venue** : Room No: D1, D5, D7,D8





