

Features of DBT Star College Scheme displayed in front of the Department of Mathematics on 24.03.2020 for making awareness among the staff members and students.



**JAMAL MOHAMED COLLEGE** (Autonomous)

College with Potential for Excellence  
Accredited (3<sup>rd</sup> Cycle) with 'A' grade by NAAC  
DBT Star Scheme & DST-FIST Funded  
Affiliated to Bharathidasan University  
TIRUCHIRAPPALLI – 620 020



## PG & RESEARCH DEPARTMENT OF MATHEMATICS

### DBT STAR COLLEGE SCHEME & DST-FIST FUNDED DEPARTMENT

Star College Scheme has been initiated by DBT in 2008 to support colleges and universities offering undergraduate education to improve science teaching across the country. DBT is committed to the values of

- Pursuit of excellence
- Academic and intellectual freedom
- Creativity and innovation
- Diversity
- Cooperation and Communication
- Accountability.

DBT has therefore, launched a scheme for improving critical thinking and 'hands on' experimental work at undergraduate (college) level in sciences. It is expected to encourage, more students to take up higher education in science. DBT will identify colleges with ambition and potential for excellence and provide academic and physical infrastructure for achieving excellence in teaching and unique exposure of students to experimental science.

Objectives :

- ◆ To strengthen the academic and physical infrastructure for achieving excellence in teaching and training.
- ◆ To enhance the quality of the learning and teaching process to stimulate original thinking through 'hands-on' exposure to experimental work and participation in summer schools.
- ◆ To promote networking and strengthen ties with neighbouring institutions and other laboratories
- ◆ To conduct specialized training programmes for faculty improvement for optimizing technical capabilities
- ◆ To increase capabilities of core instrumentation resources by procuring new equipment and upgrading existing facilities
- ◆ To provide access and exposure to students to research laboratories and industries in the country
- ◆ To help in devising standard curricula and Standard Operating Procedures (SOP's) / kits for practicals.
- ◆ To provide better library facility to students and teachers



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## PG & RESEARCH DEPARTMENT OF MATHEMATICS DBT STAR COLLEGE SCHEME ACTIVITY

Date :

COVID-19 awareness phamblents were distributed among the public on 24.03.2020 in the presence of our Secretary and Correspondent, Treasurer, Principal, Head (i/c) and Faculty members of the Department of Mathematics. 500 pamphlets were distributed. 60 Students from I B.Sc and II B.Sc., Mathematics came to Volunteer themselves for the distribution of Pamphlets





# COVID-19 Handout



## ஜமால் முகமது கல்லூரி (தன்னாட்சி)

ஆற்றல் வளத்தனித்தகுதியும்  
தேசியத் தர மதிப்பீட்டு மூன்றாம் சுற்றில் 'A' தரச்சான்றும்  
DBT- நட்சத்திர திட்டம் மற்றும் DST-FIST நிதிநல்கையும் பெற்றது  
(பாரதிதாசன் பல்கலைக்கழக இணைவு பெற்றது)  
திருச்சிராப்பள்ளி-620 020.

### கொவிட்-19

(2019 கொரோனா கிருமி நோய்)

உங்களுக்குச் சளிக்காய்ச்சலுக்கான  
மிதமான அறிகுறிகள் இருந்தால்



இருமல்



சளி



தொண்டை வலி



காய்ச்சல்

மருத்துவரைச் சென்று பார்க்கவும்

- வேலைக்கு அல்லது பள்ளிக்குச் செல்லவேண்டாம்
- கூட்டங்களைத் தவிர்க்கவும்
- வீட்டில் இருக்கவும்
- வெவ்வேறு மருத்துவர்களைச் சென்று பார்க்கவேண்டாம்



நாம் அனைவரும் நமது பங்கை ஆற்றலாம்



உங்கள் கைகளை  
அடிக்கடி சவர்க்காரம்  
பயன்படுத்திக் கழுவவும்



நாளுக்கு இருமுறை  
உடல் வெப்பநிலையைக்  
கண்காணிக்கவும்



உங்கள் முகத்தை  
உங்கள் கைகளால்  
தொடுவதைத்  
தவிர்க்கவும்



வீட்டுத் தடைக்காப்பு  
ஆணைகளுக்கும், வீட்டிலேயே  
இருப்பதற்கான  
உத்தரவுகளுக்கும் இணங்கி,  
உங்களுக்காக நிரணிக்கப்பட்ட  
இடங்களிலேயே இருக்கவும்

விழிப்புடன் இருப்போம்! கொரோனாவை தடுப்போம்!!

பொதுநலன் கருதி வெளியீடு  
கணிதத்துறை - DBT Star College Scheme

Snapshots of Pamphlet distribution at various places in Tiruchirappalli District on 24.03.2020





The Department of Mathematics, Jamal Mohamed College in association with TNSF Students Branch, Trichy conducted Competitions in Painting, Essay Writing and Poetry. Overall we have received 945 submissions out of which 94 Poems, 313 Paintings and 75 Essays submitted under School Category and 132 Poems, 191 Paintings and 140 Essays submitted under College category. Participants from various Districts of TamilNadu, Pondicherry, Bangalore, Karnataka, Kerala and Telungana took part in the Competitions.





**DEPARTMENT OF MATHEMATICS**  
 (Under DBT Star College Scheme),  
**Jamal Mohamed College (Autonomous), Tiruchirappalli**  
 &  
**TamilNadu Science Forum (TNSF), College Students Branch, Tiruchirappalli**  
**Jointly Organises**  
**Competitions for School and College Students**

1

PAINTING

- ◆ Future ◆ Germ protection
- ◆ Real Heroes ◆ Cleanliness

2

ESSAY

Corona : Problems & Solutions

- ◆ Future plan to face Corona
- ◆ World Economy
- ◆ World after 21st century  
(Note: not more than four pages)

3

POETRY

- ◆ Relations
- ◆ In association with Nature
- ◆ Humanity ◆ Third world war  
(Note: not more than two pages)

RULES AND REGULATIONS FOR THE PARTICIPANTS

- A participant can participate in only one event ( Either painting or essay or poetry)
- Articles should bear the Name, Class, Address and Mobile Number
- Articles must be new and original
- Appreciation Certificate will be awarded to all participants
- School Children from 6th to 11th, Under Graduate and Post Graduate College Students can Participate
- First three Prize winners of all the events will be announced in the month of June 2020
- Last date to receive Articles - 30-04-2020

Articles must be sent to ...

Whatsapp No. 9787866135, 7845729890

Email - mathshod@jmc.edu

Send articles either to the whatsapp number or to the mail address.

Send your articles only to one whatsapp number




FOR FURTHER DETAILS CONTACT

<b>Dr. R. JAHIR HUSSAIN</b> Associate Professor Department of Mathematics Jamal Mohamed College, Trichy <b>Mobile : 8667573418</b>	<b>Mr. M. MANIKANDAN,</b> District Secretary, TamilNadu Science Forum, Trichy District. <b>Mobile : 9787866135</b>	<b>Mr. S. MARIMUTHU,</b> Joint Secretary, College Students Branch TNSF, Trichy District. <b>Mobile : 8012708677</b>	<b>Mr. J. YASAR,</b> Joint Secretary, College Students Branch TNSF, Trichy District. <b>Mobile : 8608073833</b>
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Naveendesigner 9080738531

The Department of Mathematics, Jamal Mohamed College, Tiruchirappalli conducted an online course on “Quantitative Aptitude” for Seven Days (from 24.04.2020 to 02.05.2020) under DBT Star College Scheme in association with Tamil Nadu Science Forum students branch. The course attracted people from various parts of the globe including countries like England, German and Oman besides participants from various states like Andhra Pradesh, Gujarat, Karnataka, Kerala, Maharashtra, Puducherry, Punjab, Rajasthan, Telangana and Uttar Pradesh of our country came forward to register for the course. 2962 people have registered for the course and 1840 people took the online test on 03.05.2020. E-Certificates were awarded to 1600 candidates who have secured 50% and above in the online test.



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**SINCE 1951**



**FREE**  
ONLINE COURSE

**PG & RESEARCH DEPARTMENT OF MATHEMATICS**  
(Under DBT Star College Scheme)

**Organises**  
**Free online Course on**  
**“QUANTITATIVE APTITUDE”**

**ANNOUNCEMENT**

**Welcome to our Free Online Course**

- **No Registration Fee.**
- **Participants can register through Email : [mathshod@jmc.edu](mailto:mathshod@jmc.edu)**
- **Course starts from **24.04.2020** through a web link.**
- **Web link will be sent to the registered Emails of the participants**
- **Visit the web link every day for updated notes.**
- **Online Test will be conducted on **03.05.2020****
- **Test link will be sent to the registered Email on **03.05.2020** at **10.00 a.m.****
- **E-Certificate will be awarded to only those who secure 50% of marks in the Online Test.**

**All the Best! Stay Home, Stay Safe!**


**WE ARE HERE TO HELP YOU**  
**FOR FURTHER CLARIFICATION CONTACT**  
**9443836946 / 8668112707 / 9976162422 / 8438123172**  
**[mathshod@jmc.edu](mailto:mathshod@jmc.edu)**

**20.04.2020**


**Dr. S. ISMAIL MOHIDEEN**  
**Principal & HOD of Mathematics**



The Department of Mathematics, Jamal Mohamed College, Tiruchirappalli conducted an Faculty Development Programme on Data Science USING R PROGRAMMING and GEO GEBRA from 11.05.2020 to 14.05.2020 under DBT Star College Scheme in association with Spoken Tutorial, IIT Bombay. Spoken Tutorial is an initiative of National Mission on Education through ICT, MHRD, Govt. of India, to promote IT literacy through Open Source Software. The FDP attracted people from various states like Andhra Pradesh, Gujarat, Karnataka, Kerala, Maharashtra, Puducherry, Punjab, Rajasthan, Telangana Uttar Pradesh and Tamil Nadu of our country came forward to register for the course. 1198 people have registered for the course and 751 people attended the FDP.



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**PG & RESEARCH DEPARTMENT OF MATHEMATICS**

**NOTIFICATION**

**Date: 02.05.2020**

We are very happy to inform and invite you for a **Faculty Development Programme on Data Science USING R PROGRAMMING and GEO GEBRA** organized by the Department of Mathematics (Under DBT Star College Scheme), Jamal Mohamed College (Autonomous) in association with Spoken Tutorial, IIT Bombay.

This is a free certification cum four days Faculty Development Programme . Spoken Tutorial is an initiative of National Mission on Education through ICT, MHRD, Govt. of India, to promote IT literacy through Open Source Software. If you have interest to take benefits from this Faculty Development Programme, do **registration** through the following link (**Give alternate email id if you have registered other FDP under Spoken Tutorial, IIT Bombay**).

[https://docs.google.com/forms/d/e/1FAIpQLSfwWwK2hw7AxGVtHGomemq8buF-7jeMDkVpvLr7xmk5yrxa-A/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfwWwK2hw7AxGVtHGomemq8buF-7jeMDkVpvLr7xmk5yrxa-A/viewform?usp=sf_link)

There is **no registration fee** for the participants.

**FDP Dates :** 11.05.2020 to 14.05.2020

**Last date of registration:** 08.05.2020 upto 10 AM

**Target Participants:** Staff members from Mathematics, Statistics, Physics, Chemistry, Computer Science and other interested learners from other disciplines.

**E-Participation Certificate** will be given (No Exam) to all participants from Spoken Tutorial, IIT Bombay and it will be sent to your registered mail as soon as possible (on or before 31.05.2020).

You can access **the study material from** : <https://spoken-tutorial.org/cdcontent/>

For any query feel free to contact: 9976162422/ 9443836946/ 7845729890/ 8438123172

**It is mandatory** to Download Telegram app from play store and join the group (**for queries and information**) using link: <https://t.me/joinchat/Su-S4FzYtwmHMI7ufpS7Q>

**Note:** You are requested to visit our College Website frequently at least once in a day for getting updated information regarding this FDP (if any). There is no limitation for doing registration and all those who fill up Google Form for this program will be admitted and there will be no confirmation mail from our side. All are asked to refer the study material as and when you are free and follow the above links.

With regards,  
Dr. S.Ismail Mohideen  
Principal & HOD of Mathematics

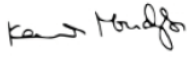


## Certificate of Participation

This is to certify that **SADHANA SINGH** participated in the **R** training organized at **Jamal Mohamed College (Autonomous)** in **January 2020** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **R** were covered in the training. This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.


May 12th 2020

  
Prof. Kannan M Moudgalya  
IIT Bombay



The Department of Mathematics under the auspices of DBT STAR College Scheme in association with TNSF, Tiruchirappalli conducted a National Level Webinar titled “Indian Science: Covid-19 Scenario” on 29/05/2020 through Cisco Webex Meetings Application. The Webinar lured registration from 1402 applicants from Tamilnadu, Andra Pradesh, Bihar, Chhattisgarh, Delhi, Goa, Gujarat, Haryana, Jammu and Kashmir, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Pondicherry, Odisha, Punjab, Rajasthan, Sikkim, Telangana, Utter Pradesh and West Bengal in addition with a few registration from Bahrain and Oman. 110 applicants based on early bird registration were allowed to participate in the Webinar. The Programme was formally began with Qirath rendered by Dr. R. Jahir Hussain and Mr. Manikandan, Secretary TNSF Students Branch, Trichy welcomed the gathering. Dr. TV. Venkateswaran, Scientist ‘F’, Vigyan Prasas, Department of Science and Technology, New Delhi delivered the Special Address and interacted with the participants. The programme ended up with a vote of thanks proposed by Dr. A. Mohamed Ismayil.





**Department of Mathematics**  
(Under DBT Star College Scheme)

**Jamal Mohamed College, Tiruchirappalli & TamilNadu Science Forum**  
**College Students Branch, Tiruchirappalli**

**Jointly organises**  
**National Level**  
**Webinar on "Indian Science : COVID 19 Scenario"**


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**Date : 29.05.2020**  
**Time : 11:00 am - 12.00 noon**  
**Who Attend : Faculties and Students**

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No Registration Fee —  
E-Certificate will be provided —  
Limited entries are available FCFS (100 Participants only) —  
Webinar session will be through ZOOM online Meeting app; —  
Meeting link will be sent to your registered E-mail ID on or before  
5 hours of commencement of the LIVE Webinar  
Registration Link : <https://forms.gle/VGf7cTrMyXZkAa199> —

**Keynote Speaker**  
**Dr.TV.Venkateswaran**  
Scientist "F"  
Vigyan Prasas  
Department of Science & Technology  
New Delhi, India



**For queries: 9976162422 | 9787866135 | 8438123172**

## A snapshot of lively interaction with Dr. TV. Venkateswaran, Scientist

Viewing TV's application

**Molecular Tests (Nucleic Acid Detection)**  
Diagnose active SARS-CoV-2 infections

1. Obtain Specimen: Swab
2. Extract RNA from specimen and convert to DNA
3. Amplify by PCR with SARS-CoV-2 specific primers
4. Interpret results: presence of viral RNA indicates active SARS-CoV-2 infection

**Antibody Tests (Serology)**  
Detect immune response to SARS-CoV-2 exposure

1. Obtain Specimen: Blood Sample
2. Expose specimen to SARS-CoV-2 specific antigens
3. Interpret results: color change indicates previous exposure to SARS-CoV-2

22

Activate Windows  
Go to Settings to activate Windows.

Filter your message

Video conference interface showing a grid of participants and a shared presentation slide.

Participants (Grid):

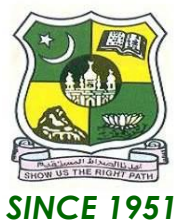
- vinodhini (V)
- Dr. TV. Venkateswaran (TV)
- Dr. Sagna Shimali (DS)
- Abirami Iasuzencyy (AJ)
- Abuthahir (A)
- Althaf (A)
- anafathali1996 (A)
- Department of Mathematics (DM)
- Dr. M.A. RIFAYATHALI (DR)
- G.Thirupathi (GT)
- gobalanbioinfo62@gmail.com (G)
- Gurubaran (G)
- JR
- LM
- M
- M
- mmduvish786 (M)
- MA
- NT
- NA
- N.Mohamed Thoiyab (N)
- Nathan atomic (N)
- Nivetha (N)

Shared Presentation Slide:

10

Activate Windows  
Go to PC settings to activate Windows.





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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

### **NOTIFICATION**

**Date: 01.06.2020**

We are very happy to inform and invite Mathematics staff members for an **Online Faculty Development Programme on Pure and Applied Mathematics** organized by the Department of Mathematics (Under DBT Star College Scheme), Jamal Mohamed College (Autonomous), Tiruchirappalli.

If you have interest to take benefits from this Online Faculty Development Programme, do **registration** through the following link

<https://forms.gle/yaxPzFXGrqU1AGCK8>

There is **no registration fee** for the participants.

**FDP Dates :** 11.06.2020 to 17.06.2020

**Last date for registration:** 08.06.2020 upto 10 AM

**E-Participation Certificate** will be awarded (No Exam) to all participants and it will reach your registered mail as soon as possible (on or before 30.06.2020).

For any query feel free to contact: 9976162422/ 9443836946/ 8438123172

**It is mandatory** to Download Telegram app from Google Play Store and join the group (**for queries and informations**) using the link: [https://t.me/joinchat/Su-S4BtpxAksGXuYB\\_WK6g](https://t.me/joinchat/Su-S4BtpxAksGXuYB_WK6g)

**Note:** There is no limitation for doing registration and all those who fill up Google Form for this program will be admitted and there will be no confirmation mail from our side.

With regards,  
Dr. S.Ismail Mohideen  
Principal & HOD of Mathematics

The Department of Mathematics under the auspices of DBT STAR College Scheme conducted an **Online Faculty Development Programme on Pure and Applied Mathematics** from 11.06.2020 to 17.06.2020 through Cisco Webex Meetings Application. The FDP lured participants from Tamilnadu, Ajman, Andra Pradesh, Assam, Bihar, Chandigarh, Chhattisgarh, Delhi, Gujarat, Haryana, Jammu and Kashmir, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Nagland, Nizwa, Pondicherry, Punjab, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh, Uttarakhand and West Bengal in addition with a few registration from Kenya, Oman, UAE and US. 580 avid learners participated in the FDP. The recorded video lectures are uploaded in the YouTube Channel [JMC Mathematics Department](#).

The details of the Programme are given below:

S. No.	Date	Resource Person	Topic
1	11-06-2020	Dr. A. Nagoorgani Associate Professor of Mathematics Jamal Mohamed College (Autonomous) Tiruchirappalli - 620020	Optimization Models using Fuzzy Numbers
2	12-06-2020	Dr. A. Solairaju Associate Professor of Mathematics Jamal Mohamed College (Autonomous) Tiruchirappalli - 620020	Fuzzy Algebraic Structures
3	13-06-2020	Dr. D.I. George Amalarethinam, Associate Professor and Director of MCA, Department of Computer Science, Jamal Mohamed College (Autonomous) Tiruchirappalli - 620020	Applications of Mathematics in Computer Science
4	15-06-2020	Dr. R. Jahir Hussain Head (i/c) & Associate Professor of Mathematics Jamal Mohamed College (Autonomous) Tiruchirappalli - 620020	Domination in Graphs
5	16-06-2020	Dr. A. Mohamed Ismayil Associate Professor of Mathematics Jamal Mohamed College (Autonomous) Tiruchirappalli - 620020	Types of Distances and Eccentric Domination in Graphs
6	17-06-2020	Dr. S. Ismail Mohideen Principal and Head Associate Professor of Mathematics Jamal Mohamed College (Autonomous) Tiruchirappalli - 620020	Network Optimization Problem





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### **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

#### **A Webinar on Small World Phenomenon** (Under DBT Star College Scheme)

##### **Resource Person**

Dr. Rajesh Singh  
Assistant Professor  
Department of Mathematics  
Ramanujan College  
University of Delhi  
Kalkaji, New Delhi 110019



##### **Target Audience:**

II & III B.Sc Mathematics (2020-21) students of Jamal Mohamed College

**Date:** 16.06.2020      **Day:** Tuesday      **Time:** 11 a.m.

**Delivery Platform:** Cisco Webex

For Lecture click the below Cisco Webex Link at 10.45 a.m. on 16.06.2020

<https://meetingsapac24.webex.com/meet/pr919969552>

For any clarification, please feel free to contact: 9976162422 **or** Chat with your Class Whats App group.

**Note:** There is no registration fee for the participants. Kindly fill the Feedback form for getting E-Certificates and the same will be shared at the end of the meeting in Chat Box on that day.

**ALL ARE INVITED**

Enter!

Enjoy!

Enrich!

A webinar on “Small World Phenomenon” was organized by PG and Research Department of Mathematics under DBT Star College Scheme for the Undergraduate students of our Department on 16/06/2020. 29 students from II-B.Sc and 20 students from III-B.Sc Mathematics attended this webinar and Dr.Rajesh Singh, Assistant Professor of Mathematics from Ramanujan Collge, Delhi delivered special address for the benefit of the students.



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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

### **A Webinar on an Introduction to Group Project** (Under DBT Star College Scheme)

#### **Resource Person**

Dr.N.Rajeswari  
Associate Professor  
Department of Mathematics  
Sri GVG Visalakshi College for Women  
Udumalpet



#### **Target Audience:**

III B.Sc Mathematics (2020-21) students of Jamal Mohamed College

**Date:** 25.06.2020

**Day:** Thursday

**Time:** 11 a.m.

**Delivery Platform:**

Cisco Webex

For Lecture click the below Cisco Webex Link at 10.45 a.m. on 25.06.2020

<https://meetingsapac24.webex.com/meet/pr919969552>

For any clarification, please feel free to contact: 9976162422 or Chat with your Class Whats App group.

**Note:** There is no registration fee for the participants. Kindly fill the Feedback form for getting E-Certificates and the same will be shared at the end of the meeting in Chat Box on that day.

**ALL ARE INVITED**

Enter!

Enjoy!

Enrich!

A webinar on “Introduction to Group Projects” was organized by PG and Research Department of Mathematics under DBT Star College Scheme for the Undergraduate students of our Department on 25/06/2020. 40 students from III-B.Sc Mathematics (2020-21) attended this webinar and Dr.N.Rajeswari, Associate Professor of Mathematics from Sri GVG Visalakshi College for Women, Udumalpet delivered special address for the benefit of the students.

Cisco Webex Meetings

File Edit Share View Audio Participant Meeting Help

Participants (22)

Search

staff2 Me

Department of Mathematics Host

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CHANDRU L

dhamans786

Dr.M.A. Rifayathali

JMAHADEEN MOHAMED

Janarthanan V

Kumaran M

Loganayaki

mohammedakeel343

mohammedimthiyas198

mstamizanda

muhammadjameel2001@gmail.com

praveenraja1304

rafeelond14

rubeshkveinr Activate Windows

Go to Settings to activate Windows.

sathish.balamurugan2001

GROUP PROJECT - DBT STAR College scheme

Group projects can help students to develop a host of skills that are increasingly important for a profession.

Positive group experiences contribute to student learning, retention and overall academic success.

Type here to search

11:14 AM 6/25/2020

Cisco Webex Meetings

File Edit Share View Audio Participant Meeting Help

Participants (22)

Search

staff2 Me

Department of Mathematics Host

ADMIN

arungobi

ASHIQ 19uma030

CHANDRU L

dhamans786

Dr.M.A. Rifayathali

JMAHADEEN MOHAMED

Janarthanan V

Kumaran M

Loganayaki

mohammedakeel343

mohammedimthiyas198

Activate Windows

Go to Settings to activate Windows.

BENEFITS OF GROUP WORK

Break complex tasks into parts and steps.

Plan and manage time.

Refine understanding through discussion and explanation.

Develop skills specific to collaborative efforts (work as team)

Pool knowledge and skills.

Give and receive feedback on performance.

Develop stronger communication skills.

Type here to search

11:13 AM 6/25/2020



Jamal Mohamed College in association with Tamilnadu Science Forum-College Students Branch jointly organized an online programme entitled “Guidance for Higher Education” to motivate Twelfth standard students on what to pursue in Higher education under DBT Star College Scheme. On 29/6/2020 a special lecture was delivered by Dr.G.Vellaithurai, Associate Professor, DIET, Virudhunagar. He addressed on the opportunities and qualification required to pursue Diploma in Teacher education. 141 students participated and got benefitted out of this online programme.



**கணிதத்துறை**  
(Under DBT Star College Scheme)

**ஜமால் முகமது கல்லூரி (தன்னாட்சி), திருச்சிராப்பள்ளி**  
மற்றும்  
தமிழ்நாடு அறிவியல் இயக்கம்  
கல்லூரி மாணவர்கள் கிளை - திருச்சிராப்பள்ளி  
கிளைத்து நடத்தும

**ஆம் வகுப்பு**

**மாணவ, மாணவிகளுக்கான**  
உணர்வு  
உயர்கல்வி வழிகாட்டுதல் நிகழ்ச்சி

**Teacher Training (D.T.Ed)**  
**படிப்பதற்கான**  
**தகுதிகள் என்ன?**  
**வாய்ப்புகள் என்ன?**

நாள் : 29.06.2020 திங்கட்கிழமை | நேரம் : காலை 10.30 மணி

<p>இந்திகழ்ச்சி Zoom வழியாக பார்க்க</p> <p>Meeting I'd : 85821532984 Password : Hary250@</p>	<p>YouTube வழியாக பார்க்க</p> <p>TNSF CSB Trichy</p>
--	--

**தொடர்புக்கு**

முனைவர். R. ஆகர் உசேன்,  
கணிதத் துறைத்தலைவர் (பொ),  
ஜமால் முகமது கல்லூரி.

திருமிகு. M. மணிகண்டன்,  
மாவட்டச் செயலாளர் TNSF,  
செல் : 97878 66135

திருமிகு. J. யாசர்,  
கிளைச் செயலாளர் (பொ) TNSF,  
செல் : 86080 73833

திருமிகு. S. ஹாரிஷ் விஸ்ஸடர்,  
நிகழ்ச்சி ஒருங்கிணைப்பாளர் TNSF,  
செல் : 73393 37185

திருமிகு. G. வெள்ளத்துரை,  
முதுநிலை விரிவுரையாளர் &  
பணிமுன் பயிற்சி துறைத்தலைவர் DIET,  
பாலையம்பட்டி,  
விருதுநகர் மாவட்டம்.

Jamal Mohamed College in association with Tamilnadu Science Forum-College Students Branch jointly organized an online programme entitled “Guidance for Higher Education” to motivate Twelfth standard students on what to pursue in Higher education under DBT Star College Scheme. On 30/6/2020 a special lecture was delivered by Dr.Y.Srinivasa Rao, Head, Department of History, Bharathidasan University, Tiruchirappalli. He addressed on the opportunities and qualification required to pursue undergraduate courses in History, Sociology and Anthropology. 50 students participated and got benefitted out of this online programme.



**கணிதத்துறை**  
(Under DBT Star College Scheme)

**ஜமால் முகமது கல்லூரி (தன்னாட்சி), திருச்சிராப்பள்ளி**  
மற்றும்  
**தமிழ்நாடு அறிவியல் இயக்கம்**  
**கல்லூரி மாணவர்கள் கிளை - திருச்சிராப்பள்ளி**  
கிளைநிலை நடத்துகிறது



**ஆம் வகுப்பு**  
**மாணவ, மாணவிகளுக்கான**  
**இலாபவதி**  
**உயர்கல்வி வழிகாட்டுதல் நிகழ்ச்சி**

**History, Sociology & Anthropology**  
**படிப்பதற்கான**  
**துருதிகள் என்ன?**  
**வாய்ப்புகள் என்ன?**

நாள் : 30.06.2020 செவ்வாய்க்கிழமை | நேரம் : காலை 10.30 மணி

 <b>Meeting ID : 81574092790</b>  <b>Password : CSB@TNSF</b>	 <b>YouTube நேரலை வழியாக பார்க்க</b>  <b>TNSF CSB Trichy</b>
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**தொடர்புக்கு**

முனைவர். R. ஜாகீர் உசேன்,  
கணிதத் துறைத்தலைவர் (பொ),  
ஜமால் முகமது கல்லூரி.

திருமிகு. M. மணிகண்டன்,  
மாவட்டச் செயலாளர் TNSF,  
செல் : 97878 66135

திருமிகு. J. யாசர்,  
கிளைச் செயலாளர் (பொ) TNSF,  
செல் : 86080 73833

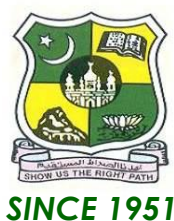
திருமிகு. S. ஹாரிஷ் விங்ஸ்டர்,  
நிகழ்ச்சி ஒருங்கிணைப்பாளர் TNSF,  
செல் : 73393 37185

முனைவர். Y. சீனிவாச ராவ்,  
துறைத் தலைவர்,  
வரலாற்றுத் துறை,  
பாரதிதாசன் பல்கலைக்கழகம்,  
திருச்சி மாவட்டம்.



S. No	DATE	NAME	SUBJECT	YOU TUBE LINK
1.	29.06.2020	<b>Mr. G. Vellatturai,</b> Masters Lecturer & Job Training, Head of Department DIET, Palaiyampatti, Virudhunagar District.	<b>DIET</b>	<a href="https://youtu.be/VlwKyjm1GFg">https://youtu.be/VlwKyjm1GFg</a>
2.	30.06.2020	<b>Dr. Y. Srinivasa Rao,</b> Assistant Professor & Head, Department of History, Bharathidasan University, Tiruchirappalli District.	History, Sociology & Anthropology	<a href="https://youtu.be/FygoIwZxDeI">https://youtu.be/FygoIwZxDeI</a>





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(Affiliated to Bharathidasan University)  
**TIRUCHIRAPPALLI – 620 020.**



## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

### **Faculty Improvement Programme**

**A Lecture on Advances in Linear Algebra and Differential Equations**  
(Under DBT Star College Scheme)

#### **Resource Person**

**Dr.M.Azhagappan**  
HOD of Mathematics &  
Controller of Examinations  
Yadava College  
Madurai - 625014



**Date:** 9<sup>th</sup> & 10<sup>th</sup> July 2020

**Time:** 10 a.m.

Delivery Platform: Zoom Cloud Meet  
Meeting ID: 896 4207 4762  
Password: 540315

For any clarification, please feel free to contact: 9976162422

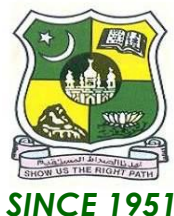
**Note:** There is no registration fee for the participants. Kindly fill the Feedback form for getting E-Certificates and the same will be shared at the end of the meeting in Chat Box on that day. **Participants are expected to join the Zoom meeting exactly at 10.00 a.m.**

**ALL ARE INVITED**

PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli organized a Faculty Improvement Programme on “A Lecture on Advances in Linear Algebra and Differential Equations” under the sponsorship of DBT Star College Scheme on 9<sup>th</sup> and 10<sup>th</sup> July 2020. Dr. **Dr.M.Azhagappan**, HOD of Mathematics & Controller of Examinations, Yadava College, Madurai delivered the special lecture for the enrichment of the faculty. 234 Faculty members including staff members of our Department participated in the programme and reaped the benefits of the programme.

This screenshot shows a Zoom meeting in progress. The main window displays a man in a pink shirt writing on a chalkboard. The chalkboard has the title "Grow and Decay" and text that reads: "Let  $N(t)$  denote the amount of substance (population) that is either growing or decaying.  $\frac{dN}{dt} = \dots$  The rate of change of  $N(t)$  is proportional to  $N(t)$ ." The Zoom interface includes a top bar with participant names (Mona visalakshi..., Jamal Moha..., Connecting to..., realme 5) and a right-hand sidebar showing a list of 172 participants and a chat window with messages from harshini and B.Rathnapriya.

This screenshot shows a Zoom meeting in progress. The main window displays the same man in a pink shirt, now smiling, with the chalkboard behind him. The chalkboard text reads: "This 'line rate of change of amount of substance is proportional to amount of substance present." followed by the differential equation  $\frac{dN}{dt} - kN = 0$ . The Zoom interface shows a top bar with participant names (Mona visalakshi..., Jamal Moha..., Monisha, Kalai Selvi) and a right-hand sidebar showing 173 participants and a chat window with messages from B.Rathnapriya and C.BABY.



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**TIRUCHIRAPPALLI – 620 020.**



## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

### **Hands on Training Programme on R** (Under DBT Star College Scheme)

#### **Resource Person**

**Dr. B. BALA GURU**  
Assistant Professor  
Department of Botany  
Jamal Mohamed College  
Tiruchy



**Date:** 11<sup>th</sup> & 12<sup>th</sup> July 2020

**Time:** 10 a.m.

**Target Audience:** Students of Jamal Mohamed College (Men Section)

- II & III B.Sc Mathematics (2020-21)
- III B.Sc Physics, Chemistry, Botany and Zoology (2020-21)

**Delivery Platform:** Zoom Cloud Meet

**Meeting ID:** 897 8261 0671

**Password:** 126974

For any clarification, please feel free to contact: 9976162422

**Note:** There is no registration fee for the participants. Kindly fill the Feedback form for getting E-Certificates and the same will be shared at the end of the meeting in Chat Box on that day. **Participants are expected to join the Zoom meeting exactly at 10.00 a.m.**

**ALL ARE INVITED**

**Enter!**

**Enjoy!**

**Enrich!**



Under the aegis of DBT Star College Scheme “A hands on Training Programme on R” was organized by PG and Research Department of Mathematics for the benefit of Under Graduate students of all DBT Star College Departments of Jamal Mohamed College, Tiruchirappalli on 11th and 12th July 2020. Altogether 65 students from the DBT Star College Scheme Departments attended this programme and got benefitted. Dr. B. Bala Guru, Assistant Professor, Department of Botany, Jamal Mohamed College, Tiruchy acted as the resource person and delivered the special lecture.

The screenshot displays an RStudio interface during a live training session. The console window shows the execution of the following R code:

```
> y=array(1:16,dim=c(4,2,2))
> y
, , 1
[1,] 1 5
[2,] 2 6
[3,] 3 7
[4,] 4 8
, , 2
[1,] 9 13
[2,] 10 14
[3,] 11 15
[4,] 12 16
> |
```

The Environment pane on the right shows the following variables:

Variable	Value
this.year	2020
x	1

A video call window on the right side of the screen shows two participants: Dr. B. Bala Guru (labeled 'Department of Math...') and Sandhiya.V. Below the video call, a 'Participants (33)' list is visible, showing the following participants:

- Department of Mathema... (Co-host, me)
- Jamal Mohamed College Trichy (Host)
- balakrishnan balaguru (Co-host)
- Yogesh M 2 B.Sc mathematics
- 19uma012-2.Bsc
- Arvind kumar

The list also includes an 'Invite' button and a 'Mute All' button.

An outreach programme under the patronage of DBT Star College scheme was organized an awareness programme for the Outgoing Students of Twelfth standard on “What to pursue after Twelfth?” by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli. A series of lectures for twenty two days was delivered by the experts of diverse fields who enlightened the students on the scope and opportunities available to them in the respective field. The list of Invited Speakers and Topics are as follows. 800 students participated and got benefitted out of this online programme.

S. No	DATE	NAME	SUBJECT	YOU TUBE LINK
1.	29.06.2020	<b>Mr. G. Vellatturai,</b> Masters Lecturer & Job Training, Head of Department DIET, Palaiyampatti, Virudhunagar District.	<b>DIET</b>	<a href="https://youtu.be/VlwKyjm1GFg">https://youtu.be/VlwKyjm1GFg</a>
2.	30.06.2020	<b>Dr. Y. Srinivasa Rao,</b> Assistant Professor & Head, Department of History, Bharathidasan University, Tiruchirappalli District.	History, Sociology & Anthropology	<a href="https://youtu.be/FygoIwZxDeI">https://youtu.be/FygoIwZxDeI</a>
3.	01.07.2020	<b>Dr. Thirunavukarasu,</b> Assistant Professor, Department of Microbiology, Government Mohan Kumaramangalam Medical College, Salem District.	Medical & Veterinary Science	<a href="https://youtu.be/xEdZJbCErNc">https://youtu.be/xEdZJbCErNc</a>
4.	02.07.2020	<b>Dr. P. Thiravidamani,</b> Assistant Professor, Department of Tamil, Kunthavai Naachiyar Govt. Arts College for Women, Thanjavur District.	Literature (Tamil & English)	<a href="https://youtu.be/uQ42-ejD5BU">https://youtu.be/uQ42-ejD5BU</a>
5.	03.07.2020	<b>Dr. P. Anbalagan,</b> Associate Professor, Department of Physical Education, Bharathiar University, Coimbatore District.	Physical Education	<a href="https://youtu.be/txnM0JOJucI">https://youtu.be/txnM0JOJucI</a>
6.	04.07.2020	<b>Mr. O. M. Abdus Sukkoor,</b> Maternal & Child Health Officer (MCHO), Department of Public Health, Government of Tamilnadu.	Paramedical Courses & Nursing	<a href="https://youtu.be/fFTH45h7UCM">https://youtu.be/fFTH45h7UCM</a>
7.	05.07.2020	<b>Dr. A. Puratchikody,</b> Professor & Head, Department of Pharmaceutical Technology, Anna University Chennai, BIT Campus, Tiruchirappalli District.	Engineering & Technology	<a href="https://youtu.be/9TTRaCI7p_8">https://youtu.be/9TTRaCI7p_8</a>

8.	06.07.2020	<b>Dr. M. Salahudeen,</b> Assistant Professor, Department of Zoology, Jamal Mohamed College, Tiruchirappalli District.	Biological Science	<a href="https://youtu.be/n53USQopNns">https://youtu.be/n53USQopNns</a>
9.	07.07.2020	<b>Mr. D. Bharathiraja,</b> Research Scientist, Baxter Global Research center, Syngene International limited Bangalore.	Pharmacy	<a href="https://youtu.be/bFohxK_Nh8Q">https://youtu.be/bFohxK_Nh8Q</a>
10.	08.07.2020	<b>Dr. Arun Viveke,</b> Assistant Professor, Department of Chemistry, St. Joseph's College, Tiruchirappalli District.	Chemistry	<a href="https://youtu.be/2uym5DdUU7s">https://youtu.be/2uym5DdUU7s</a>
11.	09.07.2020	<b>Mrs. M. Arulsubila,</b> Founder and Chief Psychologist, Abi's Psychological Counselling and Research Centre, Tiruchirappalli District.	Psychology	<a href="https://youtu.be/Xiq_VU0mWGE">https://youtu.be/Xiq_VU0mWGE</a>
12.	10.07.2020	<b>Mrs. J. Dhivya Dharshini,</b> Assistant Professor, Department of Nutrition & Dietetics, Bharath College of Science & Management, Thanjavur District.	Nutrition & Dietetics	<a href="https://youtu.be/3EWrBDIKrqU">https://youtu.be/3EWrBDIKrqU</a>
13.	11.07.2020	<b>Dr. N. Manimekalai,</b> Director & Head, Department of Women's Studies, Bharathidasan University, Tiruchirappalli District.	Economics & Social Studies	<a href="https://youtu.be/yzwQx-zII9I">https://youtu.be/yzwQx-zII9I</a>
14.	12.07.2020	<b>Dr. J. Diraviam,</b> Senior Scientist & Head, ICAR Krishi Vigyan Kendra, Karur District.	Agriculture	<a href="https://youtu.be/Sj6ulDJUJuM">https://youtu.be/Sj6ulDJUJuM</a>
15.	13.07.2020	<b>Mr. R. Shibi Nandan,</b> Asst. Professor, Department of Visual Communication Technology, St. Joseph's College, Tiruchirappalli District.	Visual Communication Technology	<a href="https://youtu.be/eheSR53YV1s">https://youtu.be/eheSR53YV1s</a>
16.	14.07.2020	<b>Dr. I. Jeyaraj,</b> Former Guest Lecture, Government College of Education, Orathanad, Thanjavur District.	Physics	<a href="https://youtu.be/JGP7ABuHrvQ">https://youtu.be/JGP7ABuHrvQ</a>
17.	15.07.2020	<b>Dr. S. R. Sethuraman,</b> Project Director, IIT Project, Krishnagiri District.	Polytechnic	<a href="https://youtu.be/Rm4gjtF_c0w">https://youtu.be/Rm4gjtF_c0w</a>
18.	17.07.2020	<b>Dr. S. Murugesan,</b> Assistant Professor, Government Law College, Tiruchirappalli District.	Law	<a href="https://youtu.be/3I74ex6sy0k">https://youtu.be/3I74ex6sy0k</a>



19.	18.07.2020	<b>Dr. R. Jahir Hussain,</b> Head of the Department (i/c), Department of Mathematics, Jamal Mohamed College, Tiruchirappalli District.	Mathematics, Statistics & Computer Science	<a href="https://youtu.be/FT3OcolFAUo">https://youtu.be/FT3OcolFAUo</a>
20.	19.07.2020	<b>Dr. D. Gunaseelan,</b> Assistant Professor, Research Department of Hotel Management, Jamal Mohamed college, Tiruchirappalli District.	Hotel Management	<a href="https://youtu.be/34UehOYqAQQ">https://youtu.be/34UehOYqAQQ</a>
21.	20.07.2020	<b>Dr. E. Mubarak Ali,</b> Head & Associate Professor, PG & Research Department of Commerce, Jamal Mohamed College, Tiruchirappalli District.	Commerce	<a href="https://youtu.be/h2_SgZlWjjg">https://youtu.be/h2_SgZlWjjg</a>
22.	21.07.2020	<b>A. G. Meera,</b> B.Voc, Apparel & Fashion Design, Department of Fashion Technology & Costume Design, Jamal Mohamed College, Tiruchirappalli District.	Fashion Technology & Costume Design	<a href="https://youtu.be/pNTCDebZK8k">https://youtu.be/pNTCDebZK8k</a>



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सत्यमेव जयते  
Department  
of Biotechnology  
Govt. of India

### PG & RESEARCH DEPARTMENT OF MATHEMATICS

welcomes you all to attend a Lecture

on

### Applications of SageMath Software

(Under the aegis of DBT Star College Scheme)



at 11.30 a.m. on 21<sup>st</sup> & 22<sup>nd</sup> September 2020 via Microsoft Teams

Target Audience : JMC Students from Mathematics discipline

#### Special Address

: Dr. P. S. Srinivasan  
Associate Professor  
Department of Mathematics  
Bharathidasan University  
Tiruchirappalli - 620 024



Under the Aegis of DBT Star College Scheme, Department of Mathematics Organized a Lecture Programme on Applications of SageMath Software at 11.30 a.m. on 21st & 22nd September 2020 via Microsoft Teams. 50 students of III UG class are benefitted from this Programme. Dr. P. S. Srinivasan, Associate Professor, Department of Mathematics, Bharathidasan University, Tiruchirappalli was the Resource Person and enlightened the audience. The lecture was uploaded in our Department You Tube Channel (Link: <https://youtu.be/AXXWGj2apik> and <https://youtu.be/av9FL2KFKYc> )

Zoom Meeting

Participants (59)

Find a participant

Department of M... (Co-host, me)

KAAHGO INFOTECH (Host)

Srinivasan P S (Co-host)

18UA5001

18ua5003

18UA5006

18UA5011

18UA5019

18ua5026

18UA5028

18UA5036

18UA5037

18UA5041

18UA5045

Invite Mute All

11:51 21-09-2020

Dr. R. JAHIR HU...

Department ...

Srinivasan P S

KAAHGO INF...

mohamed is...

localhost:8888/notebooks/Sage\_at\_Refresher\_Bdu (2) Last Checkpoint: 03/14/2020 (autosaved)

jupyter Sage\_at\_Refresher\_Bdu (2)

File Edit View Insert Cell Kernel Widgets Help Trusted | SageMath 9.0

**P.S. Srinivasan**  
**Bharathidasan University, Tiruchirappalli**

• What is SAGE?

- SAGE stands for "Software for Arithmetic Geometry and Experimentation"
- It is free, open-source math software that supports research and teaching in algebra, geometry, number theory, cryptography, numerical computation, and related areas.
- Sage uses the Python Programming language which provides procedural, functional and object-oriented constructs.
- It also provides a platform for many mathematical software (free/commercial) like R, GAP, MAXIMA, [SciLab](#), Singular, Octave, Mathematica, MatLab, Maple etc
- Mission

**Create a viable free open source alternative to Magma, Maple, Mathematica, and Matlab**

• A bit of History?

- Sage was mainly developed by William Stein who use to work for MAGMA. The 1st version was released in February 2005.
- In 2007, Sage won first prize in the scientific software division of Les Trophées du Livre

File Edit LIVE on Custom Live Streaming Service Help

Amazon.in: All Shoes | X Dropbox/Sage/depdes/ X Uniform Convergence - X Figurenew - Jupyter No X Sage\_at\_Refresher\_Bdu X Graphs - Jupyter Note X

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jupyter Graphs (unsaved changes)

File Edit View Insert Cell Kernel Widgets Help Trusted

`p=plot(g,-0.1,0.1,figsize=4,color='goldenrod',axes_labels=['x$ axis','y$ axis'],p.axes_label_color('purple');show(p)`

In [5]: `g(x)=sin(x)/x  
p=plot(g,-100,100,color='goldenrod')  
p.show(figsize=4)`

1  
0.8  
0.6  
0.4  
0.2  
-0.2

-100 -50 50 100

Department of Math...

Srinivasan P S

KAAHGO INF... (Host)

Sriniva... (Co-host)

18UA5001

18UA5003

18UA5006

Invite Mute All

# JAMAL MOHAMED COLLEGE (AUTONOMOUS)



SINCE 1951

College with Potential for Excellence  
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DBT Star Scheme & DST-FIST Funded  
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TIRUCHIRAPPALLI – 620 020



Department  
of Biotechnology  
Govt. of India

## PG & RESEARCH DEPARTMENT OF MATHEMATICS

invites you all to attend a Lecture Programme  
on

### Applications of Matrices

An outreach activity for School Teachers

(Under the aegis of DBT Star College Scheme)

at 11.00 a.m. on 03.10.2020 via Zoom Meet

Target Audience: Teachers of Mathematics handling +1 & +2 Classes

### Special Address

**Dr K. THIRUMURUGAN**

PGT- Mathematics  
Govt. Higher Secondary School  
Valuthavur, Villupuram (Dt)



Zoom ID: 853 7857 4875

Pass Code: 907201

Note: All are requested to join the meeting at 10.45 a.m.

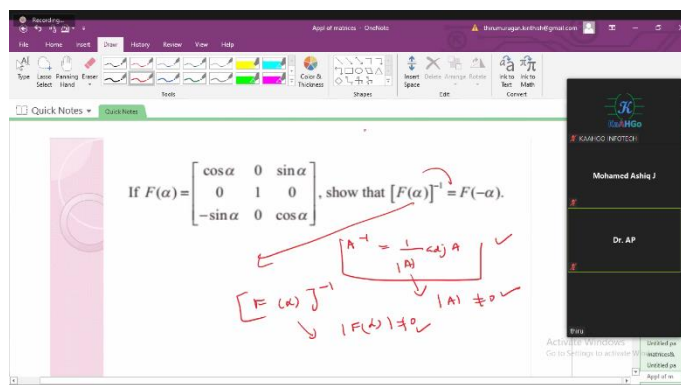
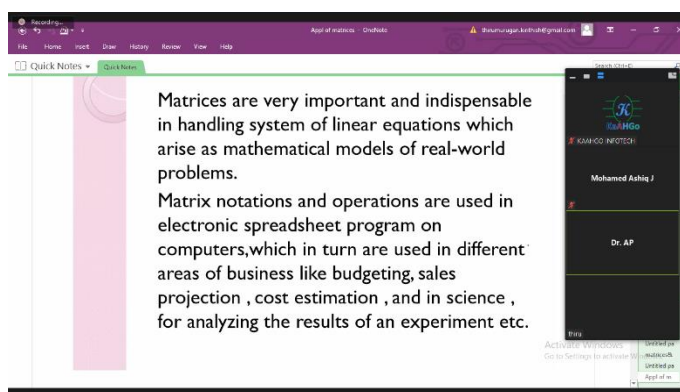
All are invited

For further clarification, please feel free to contact

7845729890 / 8668112707/ 8438123172/ 9976162422



An outreach programme under the patronage of DBT Star College scheme was organized Lecture Programme for the Teachers of Mathematics handling +1 & +2 Classes on Application of Matrices by PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli on 3rd October 2020. Dr. K.THIRUMURUGAN, PGT- Mathematics, Govt. Higher Secondary School, Valuthavur, Villupuram (Dt) was the Resource Person and enlightened the audience. The lecture was uploaded in our Department You Tube Channel (Link: <https://youtu.be/Os6ts4lQnRs> ). 150 teachers benefitted out of this online programme.





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Department  
of Biotechnology  
Govt. of India

## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend a Lecture

on

### **Application of Mathematics in Digital Era**

**(Under the aegis of DBT Star College Scheme)**

at 9.50 a.m. on 10<sup>th</sup> October 2020 via Microsoft Teams

**Target Audience** : Students of I B.Sc., Mathematics from JMC

#### **Special Address**

: Dr. D.I. George Amalarethinam  
Associate Professor & Director (MCA)  
Department of Computer Science  
Jamal Mohamed College (Autonomous)  
Tiruchirappalli - 620 020



Under the aegis of DBT Star College Scheme a Lecture on Application of Mathematics in Digital Era was organized by PG and Research Department of Mathematics for the benefit of first year Under Graduate students of Mathematics on 10.10. 2020. Dr. D.I. George Amalarethnam, Associate Professor & Director (MCA), Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli acted as the resource person and delivered the special lecture. 46 students benefitted out of this online programme.

The screenshot shows a Microsoft Teams meeting interface. The main slide is titled "Three Basic Areas Mathematics related with Computer programming for Experimental and Modeling". It lists three areas: Theory, Computation, and Experimentation, each with sub-points. The "People" panel on the right shows a list of attendees, including George Amalarethnam D I and several students. The bottom of the screen shows the Windows taskbar with various application icons.

**Three Basic Areas Mathematics related with Computer programming for Experimental and Modeling**

- Theory**
  - Mathematical modeling.
  - Physics, chemistry, engineering principles incorporated.
- Computation**
  - Provide input to what experiments to try.
  - Provide feedback to theoreticians.
- Experimentation**
  - Verifying theory.
  - Verifying computations. Once verified, computations need not be verified again in similar cases!

The screenshot shows a Microsoft Teams meeting interface. The main slide is titled "Junction of Mathematics and Computer Science". It features a Venn diagram with two overlapping circles labeled "Mathematics" and "Computer Science". The intersection of the two circles is labeled "Theory of computing". The "People" panel on the right shows a list of attendees, including George Amalarethnam D I and several students. The bottom of the screen shows the Windows taskbar with various application icons.

**Junction of Mathematics and Computer Science**

Mathematics      Theory of computing      Computer Science



# **JAMAL MOHAMED COLLEGE (AUTONOMOUS)**

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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend a Lecture

on

### **Use of Mathematics in detecting diseases**

**(Under the aegis of DBT Star College Scheme)**

at 9.50 a.m. on 18.11.2020 via Microsoft Teams

Target Audience : JMC Students from Mathematics discipline

**Special Address** : Dr. M.G. Fajlul Kareem  
Assistant Professor  
University of Technology and Applied Sciences  
AlMusanna  
Oman

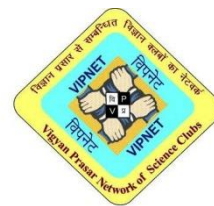
Under the aegis of DBT Star College Scheme a Lecture on **Use of Mathematics in detecting diseases** was organized by PG and Research Department of Mathematics for the benefit of Under Graduate students of Mathematics on 18.11.2020. Assistant Professor, University of Technology and Applied Sciences, Oman acted as the resource person and delivered the special lecture. 110 students benefitted out of this online programme.





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### PG & RESEARCH DEPARTMENT OF MATHEMATICS

#### MATHEMATICS ASSOCIATION

&

#### Dr. A.P.J. ABDUL KALAM CLUB

(Affiliated to Vigyan Prasar Network of Science Clubs)

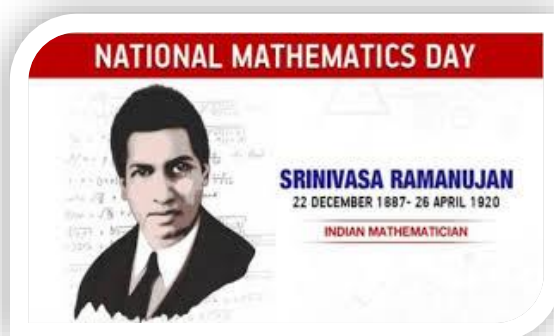
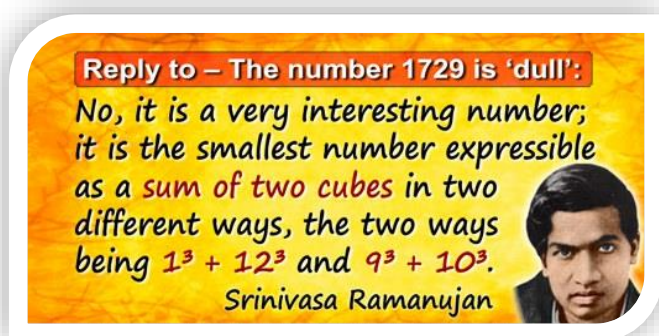
Club ID: VP-TN0056

## CELEBRATION OF NATIONAL MATHEMATICS DAY

22<sup>nd</sup> December 2020

(Under theegis of DBT Star College Scheme)

- Event : Online Aptitude Test
- Date : 22.12.2020
- Time : 10 a.m. to 10.30 a.m.
- Target Audience : Students from Mathematics discipline
- Link for Test : <https://forms.gle/3AagCdF5yBbAJCVd6>
- E-Certificates will be provided for those securing 50% and above.



To mark the great Mathematician, Srinivasa Ramnujam's Birthday, National Mathematics Day was observed and celebrated at Department of Mathematics on 22.12.2020.

The Department of Mathematics, Jamal Mohamed College, Tiruchirappalli conducted an online Aptitude Test under DBT Star College Scheme on 22.12.2020. 293 people took the online test E-Certificates were awarded to 166 candidates who have secured 50% and above in the online test.



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### PG & RESEARCH DEPARTMENT OF MATHEMATICS

welcomes you all to attend a Training Programme on  
on

### Basic Concepts in Real Analysis

(Under the aegis of DBT Star College Scheme)

on 6<sup>th</sup> & 7<sup>th</sup> January 2021

Target Audience: JMC III UG Students from Mathematics discipline

Venue: Room No.LH-18

#### Programme Schedule

Date	Forenoon 9.45 a.m. to 1.00 p.m.	Afternoon 2.00 p.m. -5.15 p.m.
06.01.2021	Dr. P. S. Srinivasan Associate Professor Department of Mathematics Bharathidasan University Tiruchirappalli	Mr.S.Masoothu Associate Professor Department of Mathematics Jamal Mohamed College Tiruchirappalli
Topic	Construction of R	Continuity
07.01.2021	Dr. P. S. Srinivasan Associate Professor Department of Mathematics Bharathidasan University Tiruchirappalli	Dr. D. Dhamodharan Assistant Professor Department of Mathematics Jamal Mohamed College Tiruchirappalli
Topic	LUB Axioms	Sequence & Series

Under the aegis of DBT Star College Scheme a Summer Training Programme on Basic Concepts in Real Analysis was organized by PG and Research Department of Mathematics for the benefit of Third Under Graduate students of Mathematics on 6<sup>th</sup> & 7<sup>th</sup> January 2021. 42 students benefitted out of this offline programme.











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Department  
of Biotechnology  
Govt. of India

## PG & RESEARCH DEPARTMENT OF MATHEMATICS

welcomes you all to attend a Training Programme on  
on

### Algebra and its applications

(Under the aegis of DBT Star College Scheme)

on 8<sup>th</sup> & 9<sup>th</sup> January 2021

Target Audience: JMC III UG Students from Mathematics discipline

Venue: Room No. LH-18

### Programme Schedule

Date	Forenoon 9.45 a.m. to 1.00 p.m.	Afternoon 2.00 p.m. -5.15 p.m.
08.01.2021	Dr. C. Durairajan Associate Professor Department of Mathematics Bharathidasan University Tiruchirappalli	Mr.N.Mohamed Thoiyab Assistant Professor Department of Mathematics Jamal Mohamed College Tiruchirappalli
Topic	Group Theory	Ring Theory
09.01.2021	Dr. C. Durairajan Associate Professor Department of Mathematics Bharathidasan University Tiruchirappalli	Dr. M.Mohamed Althaf Assistant Professor Department of Mathematics Jamal Mohamed College Tiruchirappalli
Topic	Vector Space	Linear Transformation

Under the aegis of DBT Star College Scheme a Summer Training Programme on Algebra and its Applications was organized by PG and Research Department of Mathematics for the benefit of Third Under Graduate students of Mathematics on on 8<sup>th</sup> & 9<sup>th</sup> January 2021. 45 students benefitted out of this offline programme.

8<sup>th</sup> & 9<sup>th</sup> January 2021





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Department  
of Biotechnology  
Govt. of India

## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend a

### **Hands on Training Programme**

on

### **Maple Software**

**(Under the aegis of DBT Star College Scheme)**

at 9.45 a.m. on 11.01.2021

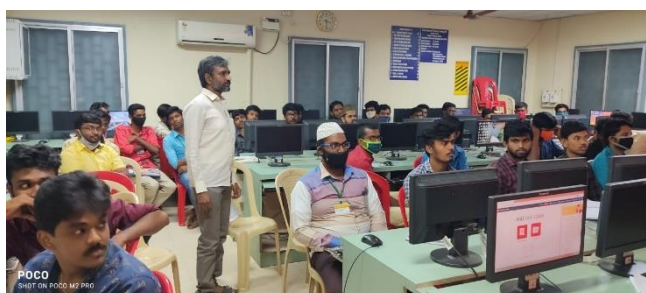
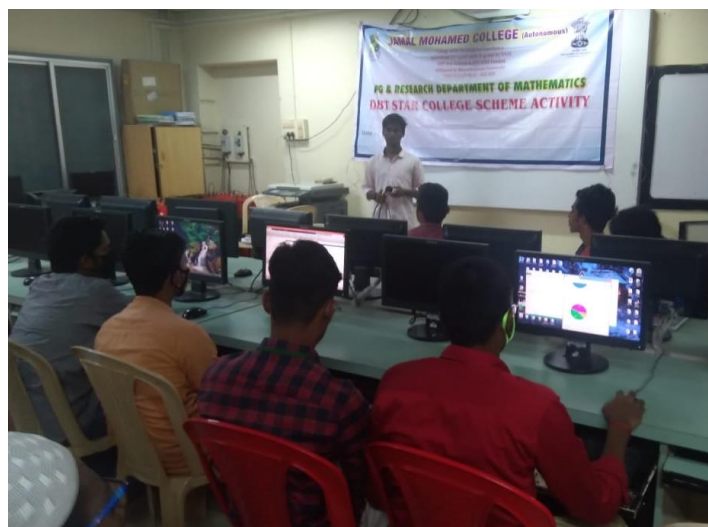
Target Audience: JMC III UG Students from Mathematics discipline

Venue: Department Lab

Resource Persons:

1. Mr. Mohamed Aslam Ameer Hamja  
Data Science Enthusiast  
Mindzcube  
Bangalore
2. Dr.S.Mohamed Yusuff Ansari  
Assistant Professor of Mathematics  
Jamal Mohamed College  
Tiruchirappalli

Under the aegis of DBT Star College Scheme Hands on Training Programme on Maple Software was organized by PG and Research Department of Mathematics for the benefit of Third Under Graduate students of Mathematics on 11<sup>th</sup> January 2021. 42 students benefitted out of this offline programme.







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of Biotechnology  
Govt. of India

## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend a

### **Hands on Training Programme**

on

### **Mathematica Software**

**(Under the aegis of DBT Star College Scheme)**

at 9.45 a.m. on 12.01.2021

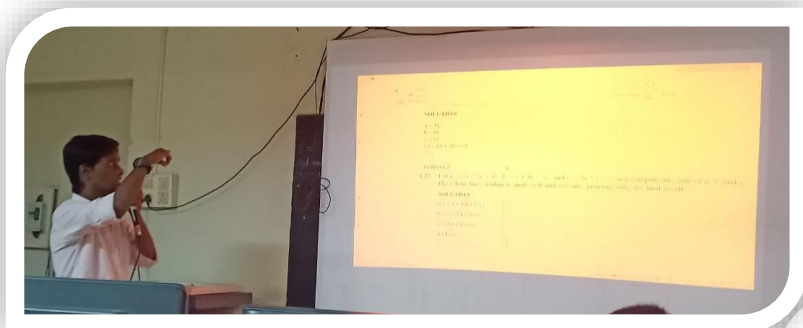
Target Audience: JMC III UG Students from Mathematics discipline

Venue: Department Lab

Resource Person:

1. Mr. Mohamed Aslam Ameer Hamja  
Data Science Enthusiast  
Mindzcube  
Bangalore
2. Dr.A.Mohamed Ismayil  
Associate Professor of Mathematics  
Jamal Mohamed College  
Tiruchirappalli

Under the aegis of DBT Star College Scheme Hands on Training Programme on Mathematica Software was organized by PG and Research Department of Mathematics for the benefit of Third Under Graduate students of Mathematics on 12<sup>th</sup> January 2021. 33 students benefitted out of this offline programme.





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Department  
of Biotechnology  
Govt. of India

## PG & RESEARCH DEPARTMENT OF MATHEMATICS

welcomes you all to attend a

### Workshop

on

### Basic Mathematics

(Under the aegis of DBT Star College Scheme)

From 02.02.2021 to 11.02.2021

Target Audience: JMC III UG Students from Botany and Zoology discipline

Venue: LH 13

Resource Person: Dr.A.Prasanna  
Assistant Professor of Mathematics  
Jamal Mohamed College  
Tiruchirappalli

Number of students benefitted: 23





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**PG & RESEARCH DEPARTMENT OF MATHEMATICS**

**THREE DAYS FACULTY DEVELOPMENT PROGRAMME ON  
 ALEGBRA AND ANALYSIS  
 (Under DBT Star College Scheme)**

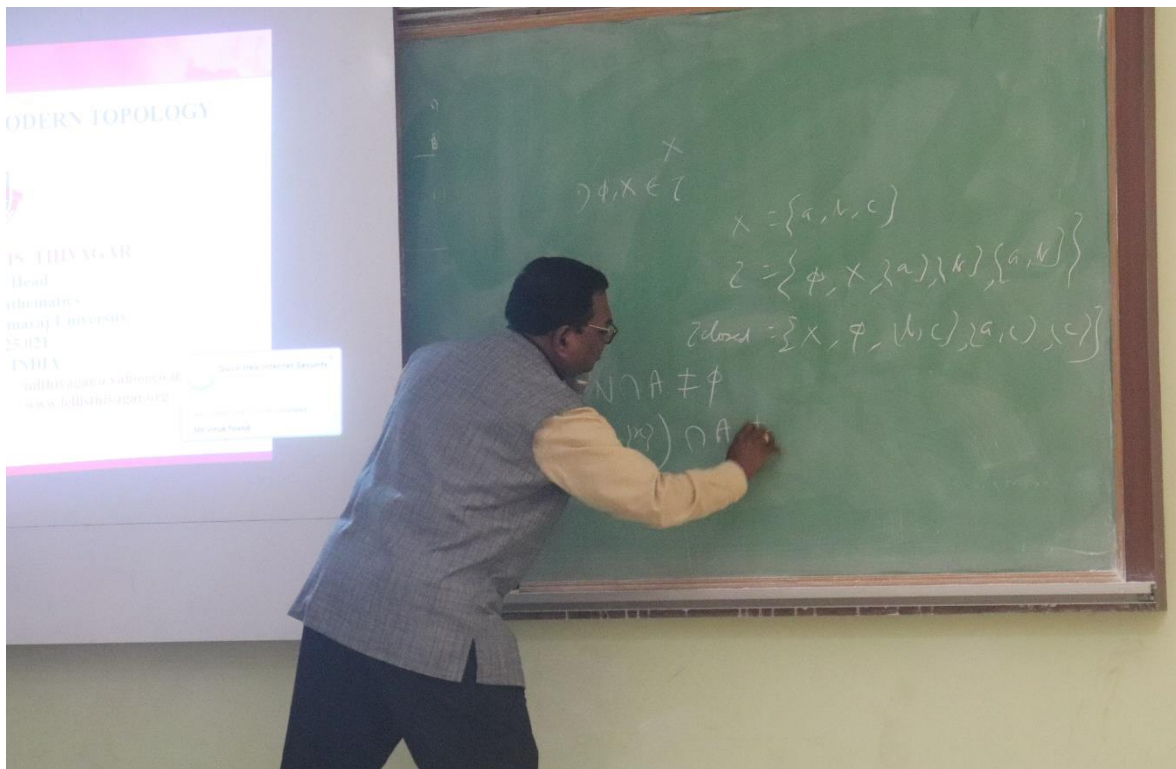
**09.02.2021 to 11.02.2021**

Date & Time	Forenoon	Afternoon
	09.30 a.m. – 11.00 a.m. 11.15 a.m. -12.45 p.m.	02.00 p.m. – 03.30 p.m. 03.45 p.m. -05.15 p.m.
09.02.2021	Dr. M. Lellis Thivagar Professor & Head School of Mathematics Madurai Kamaraj University Madurai	Dr.N.Anbazhagan Professor & Head Department of Mathematics Alagappa University Karaikudi
Topic	Topology and its applications	Markov chains and its applications
10.02.2021	Dr. M. Lellis Thivagar Professor & Head School of Mathematics Madurai Kamaraj University Madurai	Dr. T. Tamizh Chelvam CSIR Emeritus Scientist Professor of Mathematics Manonmaniam Sundaranar University Tirunelveli
Topic	Topology and its applications	Algebra and its applications
11.02.2021	Dr.N.Anbazhagan Professor & Head Department of Mathematics Alagappa University Karaikudi	Dr. T. Tamizh Chelvam CSIR Emeritus Scientist Department of Mathematics Manonmaniam Sundaranar University Tirunelveli
Topic	Markov chains and its applications	Algebra and its applications

Number of staff benefitted: 39

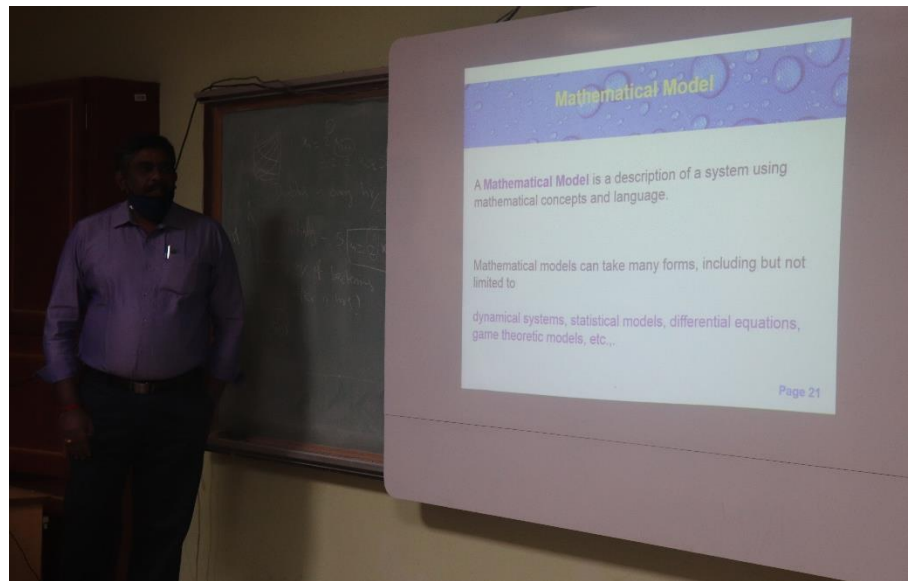


Dr. M. Lellis Thivagar delivered a lecture





Dr.N.Anbazhagan address the gathering







Dr. T. Tamizh Chelvam, CSIR Emeritus Scientist delivered the lecture



**Report of the Activities under the  
DBT Star College Scheme  
( March 2020 – February 2021 )**

***presented at the***

***Department Meeting with Mentor***

**Dr.N.Rajeswari**

**Associate Professor of Mathematics**

**Sri GVG Visalakshi College for Women**

**Udumalpet**

**Presented by**

**Dr. A. MOHAMED ISMAYIL**

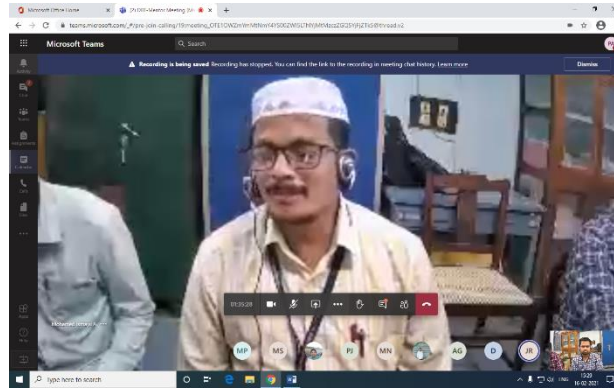
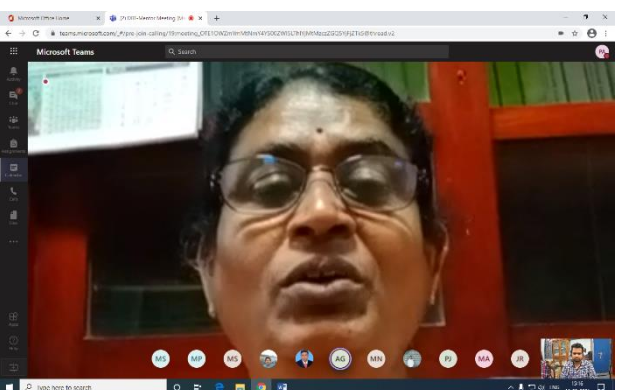
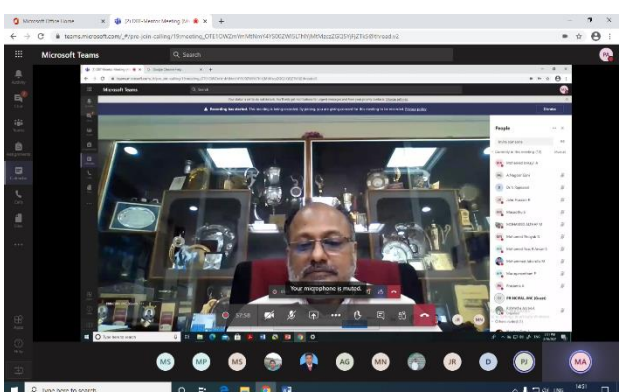
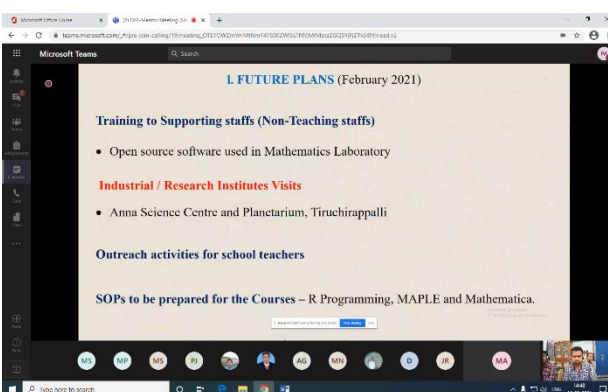
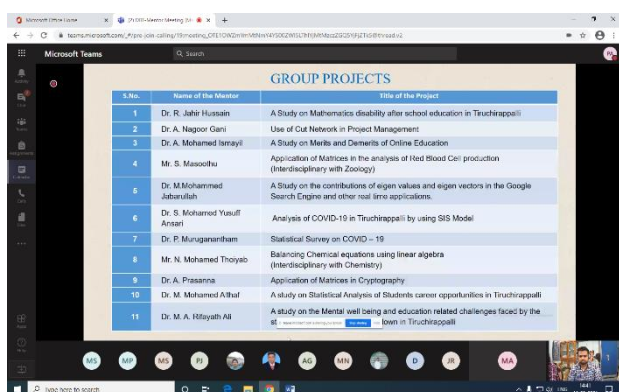
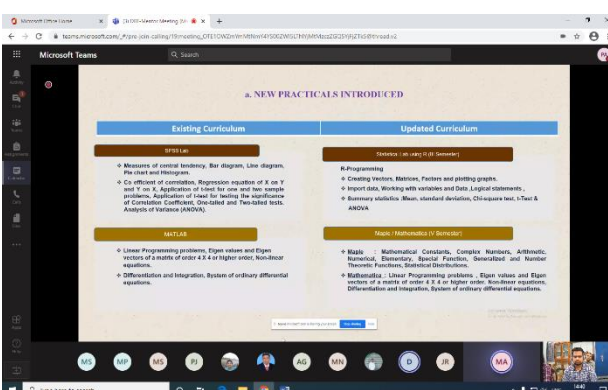
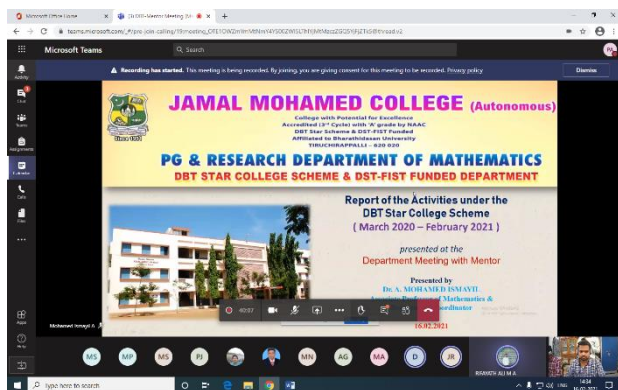
**Associate Professor of Mathematics &**

**Department Coordinator**

**16.02.2021**

**By Online Mode**







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## PG & RESEARCH DEPARTMENT OF MATHEMATICS

welcomes you all to attend a

### **Hands on Training**

on

### **SPSS**

(Under the aegis of DBT Star College Scheme)

On 17.02.2021 & 18.02.2021

Target Audience: III B.Sc. Mathematics

Venue: Computer Lab

Resource Person: Dr.M.Balasubramanian  
Assistant Professor of Statistics  
Periyar EVR College  
Tiruchirappalli

Under the aegis of DBT Star College Scheme Hands on Training Programme on SPSS was organized by PG and Research Department of Mathematics for the benefit of Third Under Graduate students of Mathematics on 17<sup>th</sup> & 18<sup>th</sup> February 2021. 44 students benefitted out of this offline programme.







தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம், தமிழ்நாடு அரசு, சென்னை  
நிதி நல்கையுடன்

**ஐமால் முகமது கல்லூரி (தன்னாட்சி), திருச்சிராப்பள்ளி  
கணிதத்துறை**

**(Under DBT Star College Scheme)**

மற்றும்

தமிழ்நாடு அறிவியல் இயக்கம்

ஐன்ஸ்டீன் கல்லூரி மாணவர்கள் கிளை, திருச்சிராப்பள்ளி

இணைந்து நடத்தும்

பிப்.28 தேசிய அறிவியல் தினத்தை முன்னிட்டு

மாநில அளவிலான பள்ளி மாணவர்களுக்கான வினாடி வினாப் போட்டி

**நாள் :** 25.02.2020, விபாழக்கிழமை  
**நேரம் :** காலை 9.00 மணி முதல் 1.00 மணி வரை  
**இடம் :** கணிதத்துறை - ஐமால் முகமது கல்லூரி, திருச்சி - 20.

**போட்டி விதிமுறைகள் :**

- ✓ 11, 12 பயிலும் மாணவ, மாணவியர்கள் மட்டுமே பங்கேற்க வேண்டும்.
- ✓ ஒரு குழு - 11ம் வகுப்பில் ஒருவர், 12ம் வகுப்பில் ஒருவர் (or) 11ம் வகுப்பில் (or) 12ம் வகுப்பில் என 2 மாணவர்கள் மட்டுமே பங்கேற்க வேண்டும்.
- ✓ ஒரு பள்ளியில் இருந்து இரண்டு குழுக்கள் பங்கேற்கலாம்.
- ✓ குழுவுடன் பொறுப்பு ஆசிரியர் அனுப்பி வைக்கலாம். ஆசிரியருக்கோ, மாணவர்களுக்கோ பயணப்படி ஏதும் வழங்கப்படமாட்டாது. முக்கவசம் கண்டிப்பாக அணிந்து வர வேண்டும்.
- ✓ பங்குபெறும் அனைவருக்கும் சான்றிதழ், தேநீர் மற்றும் சிற்றுண்டி வழங்கப்படும்.
- ✓ இப்போட்டியில், முதல் மூன்று இடங்களில் வெற்றி பெறும் மாணவர்களுக்கு பரிசுகளும், சான்றிதழ்களும் வழங்கப்படும்.
- ✓ நடுவரின் தீர்ப்பே இறுதியானது
- ✓ கல்வித்துறை (2020 - 21) - ஆண்டின் அடிப்படையில் அறிவியல் பாடத்தில் உயிரியல், வேதியியல், இயற்பியல் பிரிவுகளிலிருந்தும், கணிதம் பிரிவுகளிலிருந்தும் மற்றும் அன்றாட வாழ்வில் அறிவியல் வினாக்கள் இடம் பெறும்.
- ✓ பதிவு கடைசி தேதி : 22.02.2021, பதிவுக்கட்டணம் கிடையாது

**மேலும் (பதிவு)தொடர்புக்கு...** 9787866135, 6381942632, 9976162422, 7845729890





**தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்**

தமிழ்நாடு அரசு, சென்னை - 600 025.

**தேசிய அறிவியல் மற்றும் தொழில்நுட்ப தொடர்பு மன்றம், புது தில்லி**

-----♦ நிதி நல்கையுடன் ♦-----

**ஜமால் முகமது கல்லூரி (தன்னாட்சி), திருச்சிராப்பள்ளி**

**கணிதத்துறை (Under DBT Star College Scheme) &**

**தமிழ்நாடு அறிவியல் இயக்கம் - ஜன்ஸ்மீன் கல்லூரி மாணவர்கள் கிளை, திருச்சிராப்பள்ளி**

-----♦ இணைந்து நடத்தும் ♦-----

**பிப்ரவரி 28 தேசிய அறிவியல் தினத்தை முன்னிட்டு**

**மாநில அளவில் பள்ளி மாணவர்களுக்கான**

**வினாடி வினாப் போட்டி**

நாள் : 25.02.2021

இடம் : N.M.காஜாமியான் குளிர்மை அரங்கம்



தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்  
தமிழ்நாடு அரசு, சென்னை- 600 025

தேசிய அறிவியல் மற்றும் தொழில்நுட்ப தொடர்பு மன்றம், புது தில்லி  
நிதிநல்கையுடன்

ஜமால் முகமது கல்லூரி (தன்னாட்சி), திருச்சிராப்பள்ளி

**கணிதத்துறை**

(Under DBT Star College Scheme)

மற்றும்

தமிழ்நாடு அறிவியல் இயக்கம்

ஜன்ஸ்டன் கல்லூரி மாணவர்கள் கிளை இ திருச்சிராப்பள்ளி

இணைந்து நடத்தும்

பிப்.28 தேசிய அறிவியல் தினத்தை முன்னிட்டு

மாநில அளவிலான பள்ளி மாணவர்களுக்கான வினாடி வினாப் போட்டி

நாள் : 25.02.2021

நேரம் : பிற்பகல் 12.10 மணி

இடம் : N.M. காஜாமியான் குளிர்ப்பை அரங்கம்

பரிசளிப்பு விழா நிகழ்ச்சி நிரல்

இறைவாழ்த்து	:	
தமிழ்த்தாய் வாழ்த்து	:	
வரவேற்புரை	:	முனைவர். R. ஜாகீர் உசேன், துறைத்தலைவர் (பொ)
தலைமையுரை	:	முனைவர். S. இஸ்மாயில் முகைதீன், முதல்வர்
வாழ்த்துரை	:	முனைவர். A.K. காஜா நஜீமுதீன், செயலர் மற்றும் தாளாளர் ஹாஜி. M.J. ஜமால் முகமது, பொருளாளர் முனைவர். K. அப்துஸ் சமது, உதவிச் செயலர் திரு. M. அசோக், மாவட்டத் தலைவர், தமிழ்நாடு அறிவியல் இயக்கம்
விருந்தினரை கவுதவித்தல்	:	
சிறப்புரை	:	திரு. கோ.பாரதி விவேகானந்தன் மாவட்ட கல்வி அலுவலர், திருச்சி
பாராட்டுரை	:	திருமிகு. R. ஜெயலெச்சுமி வட்டாரக் கல்வி அலுவலர், திருச்சி மாநகரம்
பரிசளிப்பு	:	
நன்றியுரை	:	திரு. M. மணிகண்டன் மாவட்டச் செயலாளர், தமிழ்நாடு அறிவியல் இயக்கம்
நாட்டுப்பண்	:	



Department of Mathematics Lab Visit by Students







Department of Botany Lab Visit by Students



Department of Physics Lab Visit by Students







Department of Chemistry Lab Visit by Students



Department of Computer Science Lab Visit by Students



Final Quiz Competition held at N.M.Khajamian Auditorium  
Conducted by Mr. B.Praveen, I B.Sc. Mathematics



A snapshot of active participation







A section of Audience



Presidential Address by the College Principal







College Secretary and Correspondent felicitate the gathering



Address by Ms. R.Jayalakshmi, BDO, Trichy





Address by Mr. M.Ashok, District President TNSF, Trichy



Dignitaries honored



III Prize (Cash Award Rs.500/-) received by Mr. M.Kamalesh and C.K.Veerabathiran, National College Hr.Sec. School, Trichy



II Prize (Cash Award Rs.1000/-) received by Mr. C.Jacob Immanuvel and Mr. Rohit, SBIOA CBSE School, Trichy





I Prize (Cash Award Rs.1500/-) received by J. Keerthana and S. Chelsiya Suganthi,  
Govt. Syed Murthusa Hr.Sec. School, Trichy



Participants received certificates



## Vote of Thanks by Mr.M.Manikandan





## மாநில அளவில் பள்ளி மாணவர்களுக்கான வினாடி வினா போட்டி - அறிக்கை

25.02.2021 அன்று தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம், தமிழ்நாடு அரசு - சென்னை மற்றும் தேசிய அறிவியல் தொழில்நுட்ப தொடர்பு மன்றம், புது தில்லி ஆகியவற்றின் நிதி நல்கையுடன் ஜமால் முகமது கல்லூரி (தன்னாட்சி) கணிதத்துறையும், தமிழ்நாடு அறிவியல் இயக்கம் ஜன்ஸ்டின் கல்லூரி மாணவர்கள் கிளையும் இணைந்து பிப்ரவரி 28 தேசிய அறிவியல் தினத்தை முன்னிட்டு மாநில அளவில் பள்ளி மாணவர்களுக்கான வினாடி வினா போட்டி 25.02.2021 அன்று நடத்தப்பட்டது.

காலை 8.30 மணி முதல் 9.30 மணி வரை பதிவு நடைபெற்றது. இந்நிகழ்வை இளநிலை முதலாம் ஆண்டு மாணவர்களான திரு.அஸ்ரார் அஹமத் மற்றும் திரு.தியானேஷ்வர் ஆகியோர் ஒருங்கிணைத்தனர்.

காலை 9.30 மணி முதல் 10.00 மணி வரை எழுத்து தேர்வு நடத்தப்பட்டது. இந்நிகழ்வை கணிதத்துறை ஆய்வு மாணவர்களான திரு.மனோஜ், திரு.முஜீப்புரஹ்மான், திருமிகு.தீப ஸ்ரீ, திருமிகு. பிரியா ஆகியோர் ஒருங்கிணைத்தனர்.

பின்பு காலை 10.00 மணி 11.00 மணி வரை நிகழ்ச்சிக்கு வந்திருந்த மாணவர்களை கல்லூரி அறிவியல் ஆய்வகங்களுக்கு (கணிதவியல், தாவரவியல், இயற்பியல், வேதியியல், கணினி அறிவியல்) அழைத்துச் சென்று காண்பிக்கப்பட்டது. ஒவ்வொரு ஆய்வகங்களிலும் அந்தந்த துறை சார்ந்த பேராசிரியர்கள் ஆய்வகங்களில் உள்ள மாதிரிகள்

மற்றும் முக்கியத்துவம் ஆகியவற்றை விளக்கி பேசினார்கள். இந்நிகழ்வை கணிதத்துறையின் இணைப் பேராசிரியர் முனைவர்.A.முகமது இஸ்மாயில் அவர்களும், தமிழ்நாடு அறிவியல் இயக்கம் மாவட்டச் செயலாளர் திரு.M.மணிகண்டன் அவர்களும் ஒருங்கிணைத்தனர்.

எழுத்து தேர்வு முடிவுகள் அறிவிக்கப்பட்டு காலை 11.30 மணி பிற்பகல் 12.20 மணி வரை வினாடி வினா (Stage Event) நடத்தப்பட்டது. இந்நிகழ்ச்சியை கணிதத்துறை முதலாம் ஆண்டு மாணவரும், கிளையின் இணைச் செயலாளரும் ஆன திரு.பிரவீன் அவர்கள் ஒருங்கிணைத்தார். இந்நிகழ்விற்கு மதிப்பீட்டாளராக கணிதத்துறையின் உதவிப் பேராசிரியர்களான முனைவர்.A.பிரசன்னா, முனைவர்.M.A.ரிபாயத் அலி மற்றும் ஆய்வு மாணவரான திரு.K.மகேஸ்வரன் ஆகியோர் செயல்பட்டனர்.

பிற்பகல் 12.30 மணிக்கு கல்லூரியின் முதல்வர் முனைவர்.S.இஸ்மாயில் முகைதீன் அவர்கள் தலைமையில் பரிசளிப்பு விழா நடைபெற்றது.

கணிதத்துறையின் பொறுப்பு தலைவர் முனைவர்.R.ஜாகீர் உசேன் அவர்கள் வரவேற்புரை ஆற்றினார்.

கல்லூரியின் செயலாளர் மற்றும் தாளாளர் முனைவர்.A.K.காஜா நஜீமுதீன் அவர்களும், கல்லூரின் உதவிச் செயலாளர் முனைவர்.K.அப்துஸ் சமது அவர்களும், தமிழ்நாடு அறிவியல் இயக்கம்

மாவட்டத் தலைவர் திரு.M.அசோக் அவர்களும் மாணவர்களை வாழ்த்தி பேசினார்கள்.

வட்டாரக் கல்வி அலுவலர் திருமிகு.R.ஜெயலெச்சுமி அவர்கள் இந்நிகழ்ச்சியில் கலந்து கொண்டு அனைத்து பள்ளிகளுக்கும், மாணவர்களுக்கும் பரிசளித்து பாராட்டுரை வழங்கினார்.

முதல் இடம் - அரசு சையது முர்துஷா மேல்நிலைப் பள்ளி, திருச்சி

இரண்டாம் இடம் - எஸ்.பீ.ஐ.ஓ.ஏ சீ.பீ.எஸ்.இ பள்ளி, திருச்சி

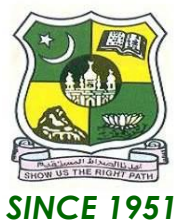
மூன்றாம் இடம் - தேசிய கல்லூரி மேல்நிலைப் பள்ளி, திருச்சி

இந்நிகழ்ச்சியில் 30-க்கும் மேற்பட்ட பள்ளிகளிலிருந்து 60-க்கும் மேற்பட்ட மாணவர்களும், 14 ஆசிரியர்களும் (அரசு பள்ளி, அரசு உதவி பெறும் பள்ளி, மெட்ரிக் பள்ளி, சீபீஎஸ்இ பள்ளி) 20-க்கும் மேற்பட்ட பெற்றோர்களும், துறைப் பேராசிரியர்களும், தமிழ்நாடு அறிவியல் இயக்கம் மாவட்ட, கிளை பொறுப்பாளர்களும் ஆகியோர் கலந்து கொண்டனர்.

நிறைவாக தமிழ்நாடு அறிவியல் இயக்கம் மாவட்டச் செயலாளர் திரு.M.மணிகண்டன் அவர்கள் நன்றியுரை வழங்கினார்.

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**JAMAL MOHAMED COLLEGE (Autonomous)**  
**College with Potential for Excellence**  
Accredited (3<sup>rd</sup> Cycle) with 'A' Grade by NAAC  
DBT Star College Scheme & DST-FIST Funded  
(Affiliated to Bharathidasan University)  
**TIRUCHIRAPPALLI – 620 020.**



## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

### **Student Enrichment Programme**

**A Lecture on Application of Operations Research in the real life situations**  
(Under DBT Star College Scheme)

#### **Resource Person**

##### **Dr. Vikas Saxena**

Associate Professor (Statistics & Operations Research)  
Department of Food Business Management and Entrepreneurship Development  
National Institute of Food Technology Entrepreneurship and Management  
(Under MoFPI, GoI)  
Haryana

**Date:** 10-03-2021

**Time:** 11 a.m.

Target Audience: I & II B.Sc. Mathematics Students

Delivery Platform: Microsoft Teams

**Note:** Participants are expected to join the meeting exactly at 11.00 a.m.

**ALL ARE INVITED**

Number of students benefitted: 95

I B.Sc. Mathematics Offline Mode: 35

II B.Sc. Mathematics Online Mode: 60

Special Lecture (Meeting) | 10-03-2021

teams.microsoft.com/\_?culture=en-in&country=IN&lm=deeplink&lmsrc=NeutralHomePageWeb&cmpid=WebSignIn#pre-join-calling/19:mee...

### Microsoft Teams

## OR Approach

7

Your microphone is muted.

Type here to search

Special Lecture (Meeting) | 10-03-2021

teams.microsoft.com/\_?culture=en-in&country=IN&lm=deeplink&lmsrc=NeutralHomePageWeb&cmpid=WebSignIn#pre-join-calling/19:mee...

### Microsoft Teams

## SCOPE OF OPERATIONS RESEARCH.

14

- Agriculture.
- Finance.
- Industry
- Marketing.
- Personnel Management.
- Production Management.
- Research and Development.

Your microphone is muted.

01:34:22

Dr Vikas Saxena (Guest)

People

Invite someone

Share invite

Currently in this meeting (60)

Mute all

DA DHAMEEM ANSARI (18UMA...

DS **Dr Vikas Saxena (Guest)**

IS Ismail Mohideen S

J janarthanan (18UMA019) (G...

KP king Ahmed Patel (18uma02...

MN Manikandan. N (Guest)

MA mohamed ashick (Guest)

Others invited (2)

Type here to search



Special Lecture (Meeting) | 10-03-2021

teams.microsoft.com/\_?culture=en-in&country=IN&lm=deeplink&lmsrc=NeutralHomePageWeb&cmpid=WebSignIn#pre-join-calling/19:mee...

### Microsoft Teams

People

Invite someone

Share invite

Currently in this meeting (60)

Mute all

DA DHAMEEM ANSARI (18UMA...

DS **Dr Vikas Saxena (Guest)**

IS Ismail Mohideen S

J janarthanan (18UMA019) (G...

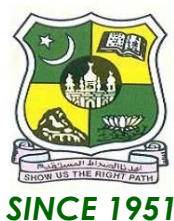
KP king Ahmed Patel (18uma02...

MN Manikandan. N (Guest)

MA mohamed ashick (Guest)

Others invited (2)

Type here to search



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Accredited (3<sup>rd</sup> Cycle) with 'A' Grade by NAAC  
DBT Star College Scheme & DST-FIST Funded  
(Affiliated to Bharathidasan University)  
**TIRUCHIRAPPALLI – 620 020.**



## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

### **Student Enrichment Programme**

**A Lecture on Soft Skills**  
(Under DBT Star College Scheme)

#### **Resource Person**

**Mr. G. Aravindan**  
Head, Department of Social Work  
Athma Hospitals  
Tiruchirappalli



**Date:** 12-03-2021

**Time:** 11 a.m.

Target Audience: I UG Students

Venue: LH 11

ALL ARE INVITED



Under the aegis of DBT Star College Scheme a Lecture on Soft Skills was organized by PG and Research Department of Mathematics for the benefit of students of Mathematics on 12.03.2021. 35 students benefitted out of this offline programme.





**DEPARTMENT OF STATISTICS**  
**BHARATHIAR UNIVERSITY, COIMBATORE -641 046**  
*in association with*  
**PG & RESEARCH DEPARTMENT OF MATHEMATICS**  
**JAMAL MOHAMED COLLEGE (Autonomous), TIRUCHIRAPPALLI – 620 020**  
***Under DBT Star College Scheme***

***Organizing***

***Virtual Short Term Training Program on Data Science and Statistical Applications***

***15.03.2021 to 22.03.2021***

***Inauguration***

***Date : 15.03.2021***

***Time: 10.30 A.M.***

***Platform : Microsoft Teams***

***Welcome Address***

***Dr. R. Vijayaraghavan***

*Professor and Head, Department of Statistics, Bharathiar University, CBE*

***Focus of STTP on DSSA***

***Dr. S .Gandhiya Vendhan***

*Organizing Secretary, Assistant Professor, Department of Statistics, Bharathiar University, CBE*

***Prof. Dr. P. KALIRAJ***

*Vice Chancellor, Bharathiar University, CBE*

***has kindly consented to give Presidential and Inaugural Address***

***Dr. SYED EJAZ AHMED***

*Dean, Brock University, Canada*

***has graciously agreed to deliver the special address***

***Felicitations***

***Dr. S. Ismail Mohideen***

*Principal, Jamal Mohamed College, Trichy*

***Vote of Thanks***

***Dr. R. Jahir Hussain***

*Organizing Secretary, Associate Professor, Department of Mathematics, Jamal Mohamed College*



DEPARTMENT OF STATISTICS  
BHARATHIAR UNIVERSITY, COIMBATORE -641 046

*in association with*

PG & RESEARCH DEPARTMENT OF MATHEMATICS  
JAMAL MOHAMED COLLEGE (Autonomous), TIRUCHIRAPPALLI – 620 020

*Under DBT Star College Scheme*

*Organizing*

*Virtual Short Term Training Program on Data Science and Statistical Applications*  
15.03.2021 to 22.03.2021

*Valediction*

*Date : 22. 03.2021*

*Time: 12.30 P.M.*

*Platform : Microsoft Teams*

*Welcome Address*

**Dr. R. Vijayaraghavan**

*Professor and Head, Department of Statistics, Bharathiar University, CBE*

*Report of STTP on DSSA*

**Dr. S .Gandhiya Vendhan**

*Organizing Secretary, Assistant Professor, Department of Statistics, Bharathiar University, CBE*

**Dr. K. MURUGAN**

*Registrar i/c, Bharathiar University, CBE*

*has kindly consented to give Valedictory Address*

**Prof. D.S.HOODA**

*(Former PVC Kurukshetra University)*

*Honorary Prof. in Mathematics, GJ University of Science and Technology,  
Hisar-125001 (INDIA)*

*has graciously agreed to deliver the special address*

*Special Invitee*

**Prof. Shishir Gupta**

*Professor Indian Institute of Technology, Dhanbad*

**Dr. Sharvari Shukla**

*Director and Professor*

*Symbiosis Statistical Institute (SSI), Pune*

**Dr. S. Ismail Mohideen**

*Principal, Jamal Mohamed College, Trichy*

*Vote of Thanks*

**Dr. R. Jahir Hussain**

*Organizing Secretary, Associate Professor, Department of Mathematics, Jamal Mohamed College*



A Short Term Training Programme (STTP) on “Data Science and Statistical Application” has been organized under the aegis of DBT Star College Scheme by Jamal Mohamed College (Autonomous) in association with Bharathiar University, Coimbatore from 15-03-2021 to 22-03-2021(seven days) via online mode.

Data Science is an emerging field of study and has a huge scope in this present scenario of technology. It deals with the collection of data, organization of data, analysis of data, creation and visualization of Mathematical Models. Data Science works in tandem with Mathematics, Statistics and supports programming like R, Tableau, BI, Charts, Python and SAS.

Resource persons deliberated on how data science operates on the basis of available data to encounter real life problems.

The programme has begun at 11.00 a.m on 15.03.2021 and Dr. P. Kaliraj, Vice - Chancellor, Bharathiyar University delivered the Presidential Address. Dr. S. Ismail Mohideen, Principal, Jamal Mohamed College (Autonomous) felicitated the gathering and Dr.J. Somasekar, Gopalan College of Engineering and Management, Bangalore delivered the Special address. Earlier Dr. R. Vijayaragavan, Head , Department of Statistics , Bharathiyar University welcomed the gathering and Dr. R. Jahir Hussain, Head(i/c), Department of Mathematics, Jamal Mohamed College(Autonomous) proposed the Vote of thanks.

Dr. S. Gandhiya Vendhan, Assistant Professor, Department of Statistics, Bharathiar University and Dr. R. Jahir Hussain, Associate Professor, Department of Mathematics, Jamal Mohamed College(Autonomous) organized the events from 15.03.2021 to 22-03-2021.

The list of Invited Speakers and Topics are as follows. 570 teaching faculty and students participated and got benefitted out of this online programme.

15.03.2021 (FN)	Dr. J. Somasekar Professor & Head Department of CSE Gopalan College of Engineering and Management Bangalore	Linear Regression Model In- depth Intuition in Data Science and Its Applications
15.03.2021 (AN)		Probabilistic Models in Data Science for Recommender System and Health Care
16.03.2021	Dr. N.Gnanasekaran Assistant Professor Department of Mechanical Engineering National Institute of Technology Karnataka, Surathkal, Managlore	Bayesian Statistics with Markov Chain Monte Carlo Algorithms for the Solution of Inverse Heat Transfer and Fluid flow problems
17.03.2021	Dr. W.G. Samanthi Konarasinghe Academic Director Institute of Mathematics and Management Srilanka	Data Science for Real Life
18.03.2021 (FN)	Dr. AKey Sungheetha Assistant Professor Department of CSE Adama Science and Technology University Ethiopia	Data Science and Statistical Application Using R
18.03.2021 (AN)	Ranjita Pandey Assistant Professor Department of Statistics University of Delhi Delhi	Scientific Evidence for Mathematical Reasoning
19.03.2021 (FN)	Dr.S.Suganthi Professor and Head Department of Data Science Coimbatore Institute of Technology Coimbatore	Data Science
20.03.2021 (FN)	Dr. Asadi Srinivasulu Head- Research & Professor of Information Technology Blue Crest University Liberia	Data Science Applications
22.03.2021	Dr. S. Saravanan Professor and Head Department of Mathematics Bharathiar University Coimbatore	Fluid Dynamical Modelling- Some Statistical Considerations
	Dr. Sakthivel Associate Professor Department of Statistics Bharathiar University Coimbatore	Statistical Linear Models

Microsoft Teams interface showing a video call in progress. The main window displays a participant's video feed. A notification at the bottom of the video feed states: "Your microphone is muted." The right sidebar shows the "People" list with 301 participants currently in the meeting. The list includes:

- Ishwarya (Guest)
- Ismail Mohideen S
- J Gopal Rao (Guest)
- janarthanan (18UMA019) (G...)
- JOTHI LAKSHMI (Guest)
- K. Soniya (Guest)

The bottom status bar shows the time as 10:28 on 15-03-2021.

Microsoft Teams interface showing a presentation slide. The slide content includes:

DEPARTMENT OF STATISTICS  
BHARATHIAR UNIVERSITY, COIMBATORE - 641 046  
In association with  
PG & RESEARCH DEPARTMENT OF MATHEMATICS  
JAMAL MOHAMED COLLEGE (Autonomous), TRICHYAPALLI - 639 030  
Under DBT Star College Scheme

Organizing  
Virtual Short Term Training Program on Data Science and Statistical Applications  
15.03.2021 to 22.03.2021

## Linear Regression Model In-depth Intuition in Data Science and Its Applications

**Dr. J. Somasekar** M.Tech., Ph.D.  
Professor & HOD  
Department of CSE  
Gopalan College of Engineering and Management  
Bangalore.

The right sidebar shows the "People" list with 258 participants currently in the meeting. The bottom status bar shows the time as 12:37 on 15-03-2021.

Microsoft Teams interface showing a presentation slide titled "Introduction...". The slide content includes:

DATA (INPUT) → Traditional Programming → Output

DATA (INPUT) → Machine Learning → Program

The right sidebar shows the "Meeting chat" with a list of participants who no longer have access to the chat. The bottom status bar shows the time as 12:47 on 15-03-2021.



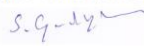



DEPARTMENT OF STATISTICS  
BHARATHIAR UNIVERSITY, COIMBATORE – 641 046  
&  
PG & RESEARCH DEPARTMENT OF MATHEMATICS  
JAMAL MOHAMED COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI  
*jointly Organized*

Department of Biotechnology, Ministry of Science & Technology, Govt. of India, New Delhi  
*Sponsored*

Virtual Short Term Training Program on Data Science and Statistical Applications

This is to certify that Dr. R. Jahir Hussain has served as Organising Secretary in the DBT Sponsored **Virtual Short Term Training Program on Data Science and Statistical Applications** jointly Organized by the Department of Statistics, Bharathiar University, Coimbatore – 641 046 and PG & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 (Under DBT Star College Scheme) for seven days from 15.03.2021 to 20.03.2021 and 22.03.2021.

  
Dr. S. Gandhiya Vendhan  
Organizing Secretary

  
Dr. R. Jahir Hussain  
Organizing Secretary

  
Dr. S. Ismail Mohideen  
Principal





DEPARTMENT OF STATISTICS  
BHARATHIAR UNIVERSITY, COIMBATORE – 641 046  
&  
PG & RESEARCH DEPARTMENT OF MATHEMATICS  
JAMAL MOHAMED COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI  
*jointly Organized*

Department of Biotechnology, Ministry of Science & Technology, Govt. of India, New Delhi  
*Sponsored*

Virtual Short Term Training Program on Data Science and Statistical Applications

This is to certify that Dr. S. Gandhiya Vendhan has served as Organising Secretary in the DBT Sponsored **Virtual Short Term Training Program on Data Science and Statistical Applications** jointly Organized by the Department of Statistics, Bharathiar University, Coimbatore – 641 046 and PG & Research Department of Mathematics, Jamal Mohamed

  
Dr. S. Gandhiya Vendhan  
Organizing Secretary

  
Dr. R. Jahir Hussain  
Organizing Secretary

  
Dr. S. Ismail Mohideen  
Principal



DEPARTMENT OF STATISTICS  
BHARATHIAR UNIVERSITY, COIMBATORE -641046  
and  
PG & RESEARCH DEPARTMENT OF MATHEMATICS  
JAMAL MOHAMED COLLEGE (Autonomous)  
TIRUCHIRAPPALLI – 620 020

*jointly Organized*

Department of Biotechnology, Ministry of Science & Technology, Govt. of India, New Delhi  
*Sponsored*

**Virtual Short Term Training Program on Data Science and Statistical Applications**

This is to certify that Sushanto Das has participated in the DBT Sponsored Virtual “Short Term Training Program (STTP) on Data Science and Statistical Applications” jointly Organized by the Department of Statistics, Bharathiar University, Coimbatore -641046 and PG & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 (Under DBT Star College Scheme) for seven days from 15.03.2021 to 20.03.2021 and 22.03.2021.

Dr. S. Gandhiya Vendhan  
Organizing Secretary

Dr. R. Jahir Hussain  
Organizing Secretary

Dr. R. Vijayaraghavan  
HOD of Statistics

Dr. S. Ismail Mohideen  
Principal



It is a system generated Certificate, therefore no signature is required



பாரதியார் பல்கலைக்கழகம்

**BHARATHIAR UNIVERSITY**

COIMBATORE - 641 046, TAMILNADU, INDIA.

State University | Re-accredited with "A" Grade by NAAC | Ranked 14<sup>th</sup> among Indian Universities by MHRD-NIRF

Dr. S. GANDHIYA VENDHAN  
M.Tech (IT), M.B.A., M.Sc., M.Phil., Ph.D., PDF  
International Six Sigma Master Black Belt – ISI  
Data Science, Big Data and IoT -- SAS  
Advanced Data Science – iNeuron

Assistant Professor  
Department of Statistics  
gandhiyavendhan@yahoo.com  
+91 8508858098

To

The Head

PG & Research Department of Mathematics

Jamal Mohamed College (Autonomous)

Tiruchirappalli – 620 020

Sir,

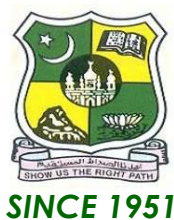
We thank the organizers for the cooperation lent towards the conduct of DBT Sponsored **Virtual Short Term Training Programme on Data Science and Statistical Applications** jointly organized by the Department of Statistics, Bharathiar University, Coimbatore – 641 046 and PG & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 (Under DBT Star College Scheme) for seven days from 15.03.2021 to 20.03.2021 and 22.03.2021.

Thanking you

Yours Sincerely

*S. Gandhiya Vendhan*  
22/03/2021  
(Dr.S.Gandhiya Vendhan)

Dr. S. Gandhiya Vendhan, Ph.D.  
Assistant Professor  
Department of Statistics  
Bharathiar University  
Coimbatore - 641 046



**JAMAL MOHAMED COLLEGE (Autonomous)**  
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**TIRUCHIRAPPALLI – 620 020.**



## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

### **An Outreach Activity**

### **A Lecture on Women's Psychology** (Under DBT Star College Scheme)

#### **Resource Person**

**Mrs. N. Shanmugapriya**  
Head, Department of Counselling  
Athma Hospitals & Reserach  
Tiruchirappalli



**Date:** 16-03-2021

**Time:** 4.30 p.m.

Target Audience: JMC -UG & PG Women Students & Staff

Venue: LH 169

**ALL ARE INVITED**

Number of students benefitted: 45





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TIRUCHIRAPPALLI – 620 020.



## PG & RESEARCH DEPARTMENT OF MATHEMATICS



### *cordially invite you to attend the* **One day Workshop on Astronomy**

(Under DBT Star College Scheme)

at 9.00 a.m. on Tuesday, 31<sup>st</sup> August 2021 at Mathematics Seminar Hall

Target Audience: Faculty Members, Dept. of Mathematics, JMC

In the presence of

**Janab. M. J. Jamal Mohamed Bilal**, President  
**Dr. A. K. Khaja Nazeemudeen**, Secretary & Correspondent  
**Hajee. M.J. Jamal Mohamed**, Treasurer  
**Dr.K.Abdus Samad**, Assistant Secretary

Welcome Address & Introduction of Chief Guest : **Dr. R.Jahir Hussain**, HOD (i/c) of Mathematics

Presidential Address : **Dr. S. Ismail Mohideen**  
Principal

Special Address : **Dr. S. Ruban Raj**  
Principal  
Vikas College of Arts & Science, Trichy

Felicitations :

**Dr. A. K. Khaja Nazeemudeen**  
Secretary & Correspondent

**Hajee. M.J. Jamal Mohamed**  
Treasurer

**Dr.K.Abdus Samad**  
Assistant Secretary

**Dr. K. N. Abdul Kader Nihal**  
Member & Hon. Director

**Dr. A. Mohamed Ibraheem**  
Vice Principal

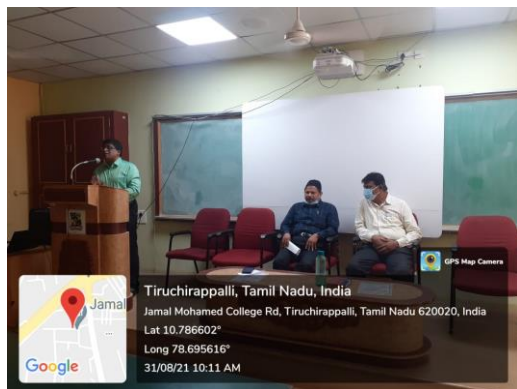
**Dr. M.Mohamed Sihabudeen**  
Additional Vice Principal

**Dr. K. N. Mohamed Fazil**  
Director-Hostel Administration

**Ms. J.Hajira Fathima**  
Director-Women Hostel

Vote of Thanks : **Dr.A. Nagoor Gani**, Associate Professor of Mathematics

Under the aegis of DBT Star College Scheme **One day Workshop on Astronomy** was organized by PG and Research Department of Mathematics for the benefit of Staff of Mathematics on 31<sup>st</sup> August 2021. 27 staff benefitted out of this offline programme.





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**TIRUCHIRAPPALLI – 620 020**



Department  
of Biotechnology  
Govt. of India

## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend a



### **Hands on Training Programme**

on

### **Mathematica Software**

**(Under the aegis of DBT Star College Scheme)**

at 9.45 a.m. from 06.09.2021 to 09.09.2021

Target Audience: JMC III UG Students from Mathematics discipline

Venue: Department Lab

Resource Person: Dr. D. Dhamodharan  
Assistant Professor of Mathematics  
Jamal Mohamed College  
Tiruchirappalli



Under the aegis of DBT Star College Scheme Hands on Training Programme on Mathematica Software was organized by PG and Research Department of Mathematics for the benefit of Third Under Graduate students of Mathematics from 06.09.2021 to 09.09.2021. 60 students benefitted out of this offline programme.





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TIRUCHIRAPPALLI – 620 020



Department  
of Biotechnology  
Govt. of India

## PG & RESEARCH DEPARTMENT OF MATHEMATICS

welcomes you all to attend a

### Hands on Training Programme

on

### Maple Software

(Under the aegis of DBT Star College Scheme)

at 9.45 a.m. on 11.09.2021

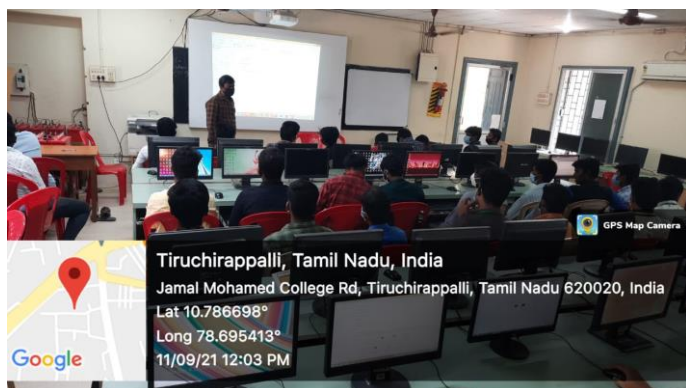
Target Audience: JMC III UG Students from Mathematics discipline

Venue: Department Lab

Resource Person: Dr. D. Dhamodharan  
Assistant Professor of Mathematics  
Jamal Mohamed College  
Tiruchirappalli



Under the aegis of DBT Star College Scheme Hands on Training Programme on Maple Software was organized by PG and Research Department of Mathematics for the benefit of Third Under Graduate students of Mathematics on 11.09.2021. 60 students benefitted out of this offline programme.







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Department  
of Biotechnology  
Govt. of India

## PG & RESEARCH DEPARTMENT OF MATHEMATICS

welcomes you all to attend a

### Special Lecture on LaTeX for Beginners

(Under the aegis of DBT Star College Scheme)



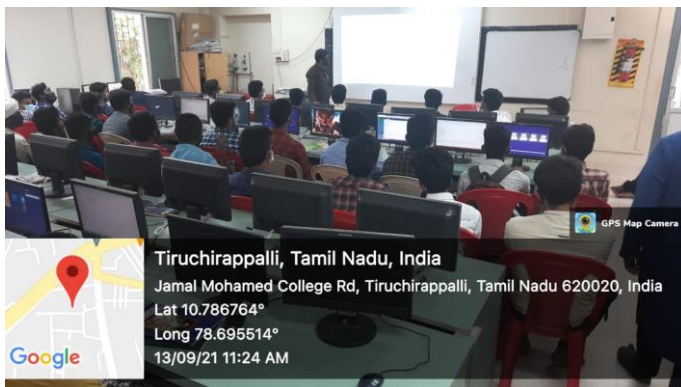
at 9.45 a.m. on 13.09.2021

Target Audience: JMC III UG Students from Mathematics discipline

Venue: Department Lab

Resource Person: Dr. D. Dhamodharan  
Assistant Professor of Mathematics  
Jamal Mohamed College  
Tiruchirappalli

Under the aegis of DBT Star College Scheme a Special Lecture on LaTeX for Beginners was organized by PG and Research Department of Mathematics for the benefit of Third Under Graduate students of Mathematics on 13.09.2021. 60 students benefitted out of this offline programme.



Department Staff meeting was held on 09.10.2021 at 12.30 p.m. alongwith the Dr.M.Mohamed Sihabudeen, Additional Vice Principal, Dr.A.Shajahan, Dean of Research, Dr. B.Padmanaban, Coordinator-Research and Dr.M.Jamal Mohamed Jaffar, HOD of Physics for the purpose of implementing DBT Star College Scheme II Year activities in the Department.







# JAMAL MOHAMED COLLEGE (Autonomous)

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Tiruchirappalli – 620 020

## DBT Star College Scheme – Department of Mathematics

### Mentor Meeting (Online Mode)

Date: 11.10.2021

Time: 02.30 p.m.

via Microsoft Teams Meeting

### PROGRAMME

- |                       |   |   |
|-----------------------|---|---|
| 2.30 p.m. – 2.35 p.m. | Prayer  | : Mr.N.Mohamed Thoiyab<br>Assistant Professor of Mathematics  |
| 2.35 p.m. – 2.40 p.m. | Welcome Address &<br>Introduction of Mentor   | : Dr. R.Jahir Hussain<br>HOD (i/c) of Mathematics   |
| 2.40 p.m.–2.55 p.m.   | Presentation of<br>Activities Proposed and<br>Done in the Department  | : Dr. A. Mohamed Ismayil, Associate Professor of<br>Mathematics<br>& Departmental Coordinator of DBT Star College Scheme. |
| 3.00 p.m. – 3.20 p.m. | Discussion by DBT Star College Scheme Department Mentors  |   |
|                       | Dr. N. Rajeswari<br>Principal &<br>Associate Professor of Mathematics<br>Sri GVG Visalakshi College For Women<br>Palani Road, Udumalpet, TamilNadu.<br>642 128        |   |
|                       | Dr.R.Uthayakumar<br>Professor of Mathematics<br>The Gandhigram Rural Institute<br>(Deemed to be University)<br>Gandhigram<br>Dindigul District, Tamil Nadu<br>624 302 |   |
| 3.20 p.m. – 3.30 p.m. | Minutes of Meeting and<br>Vote of Thanks  | : Dr. A.Nagoor Gani<br>Associate Professor of Mathematics   |

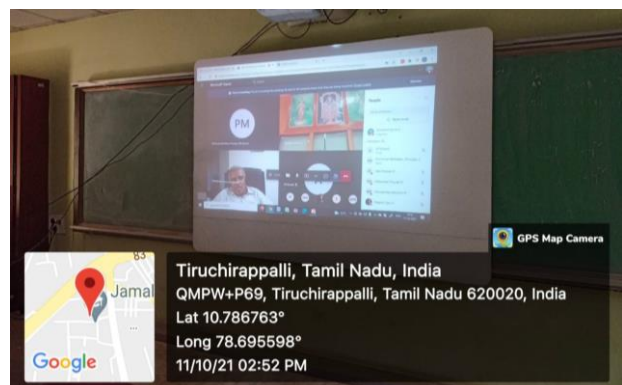
The Mentor's meeting, DBT Star College Scheme, Department of Mathematics was held on 11.10.2021 at 2.30 p.m. by blended mode.

- The Meeting was initiated with a prayer by Mr.N.Mohamed Thoiyab, Assistant Professor
- Dr.R.Jahir Hussain, HoD(i/c) welcomed the gathering and introduced the Mentors for DBT Star College Scheme.
- Dr.A.Mohamed Ismayil, the Coordinator for DBT Star College Scheme of Mathematics Department presented the activities carried out and proposed by the Department from 01.06.2021 to 31.03.2022.

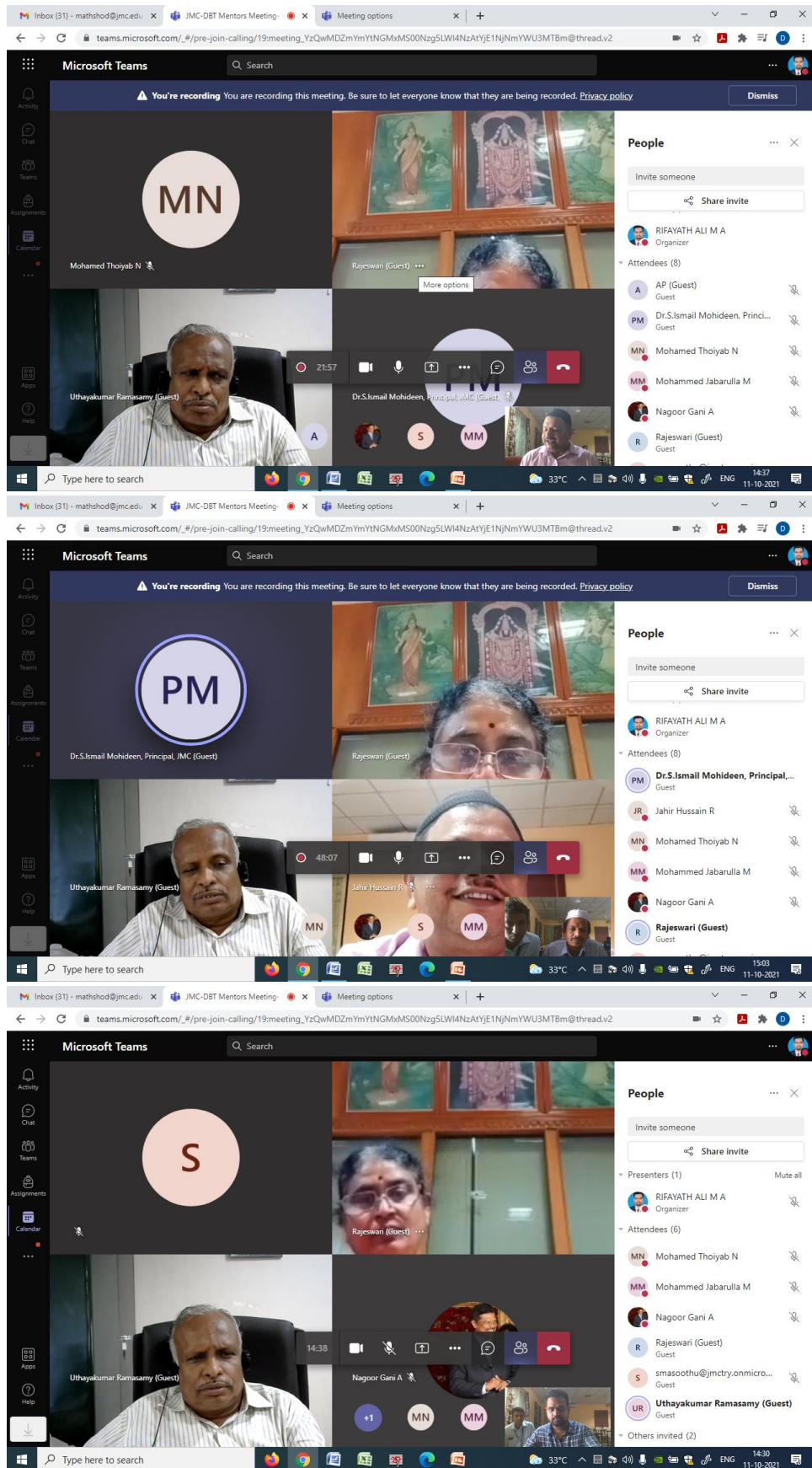
Dr.N.Rajeswari, Mentor, DBT Star College Scheme of Mathematics Department appreciated the efforts taken by the Department and offered her suggestion to improve the activities under this Scheme after the presentation. Dr.R.Uthayakumar, Mentor, DBT Star College Scheme of Mathematics Department offered his suggestion to improve the activities under this Scheme after the presentation.

- Dr. S. Ismail Mohideen, HOD and Principal requested Dr. N. Rajeswari and Dr.R.Uthayakumar to have collaborative activities between Jamal Mohamed College pet for the benefit of staff and students.
- Dr. A. Nagoor Gani, Associate Professor read out the Minutes of meeting and proposed a vote of thanks.

The Members Dr. R.Jahir Hussain, Dr. A.Mohamed Ismayil, Dr.S.Mohamed Yusuff Ansari, Dr.P. Murganantham, Dr.A.Prasanna, Dr. U.Abuthahir, Dr.M. A. Rifayath Ali and Dr.M.Mohamed Althaf attended the Meeting by Offline mode and other members attended the meeting by online mode.



## Snapshots of DBT Star College Scheme – Department of Mathematics Mentor Meeting (Blended Mode) on 11.10.2021





63 III B.Sc. Students are benefited from the Virtual Internship Programme.





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TIRUCHIRAPPALLI – 620 020



## PG & RESEARCH DEPARTMENT OF MATHEMATICS in association with DBT Star College Scheme



### *cordially invites you to the Inaugural Function of* **Major M.Aravandi Endowment Lecture**

at 10.30 a.m. on Thursday, 21<sup>st</sup> October 2021 at Mathematics Seminar Hall

Target Audience: Faculty Members, Students and Research Scholars of Dept. of Mathematics, JMC

In the presence of

**Janab. M. J. Jamal Mohamed Bilal**  
President

**Hajee. M.J. Jamal Mohamed**  
Treasurer

**Dr. A. K. Khaja Nazeemudeen**  
Secretary & Correspondent

**Dr.K.Abdus Samad**  
Assistant Secretary

Welcome Address & Introduction of Chief Guest : **Dr. R.Jahir Hussain**, HOD (i/c) of Mathematics

Presidential Address : **Dr. S. Ismail Mohideen**  
Principal

Inaugural Address : **Dr. M. Marudai**  
Honorary Professor of Mathematics  
Bharathidasan University, Trichy

Topic : **Continuity and Differentiability**

Presentation of DBT Star College Scheme - Student Excellence Award (2020-21)

#### Felicitations

**Dr. A. K. Khaja Nazeemudeen**  
Secretary & Correspondent

**Dr.K.Abdus Samad**  
Assistant Secretary

**Dr. A. Mohamed Ibraheem**  
Vice Principal

**Dr. K. N. Mohamed Fazil**  
Director-Hostel Administration

**Hajee. M.J. Jamal Mohamed**  
Treasurer

**Dr. K. N. Abdul Kader Nihal**  
Member & Hon. Director

**Dr. M.Mohamed Sihabudeen**  
Additional Vice Principal

**Ms. J.Hajira Fathima**  
Director-Women Hostel

Vote of Thanks : **Dr.A. Nagoor Gani**, Associate Professor of Mathematics

Your glorious presence will be our great pleasure

## Report

Major M.Aravandi Endowment Lecture was inaugurated at 10.30 a.m on 21.10.2021 in the Department of Mathematics, Jamal Mohamed College, Trichy. It is noteworthy that the Endowment Lecture was first established with a financial assistance sponsored by Major. M.Aravandi, a Former Professor of the College for the benefit of the students belonged to Mathematics discipline.

For this year Dr.M.Marudai, Honorary Professor of Mathematics, Bharathidasan University, Trichy was the Chief Guest for the Special Lecture Programme. He gave an interesting lecture on the topic "Continuity and Differentiability" for the benefit of the student to grasp the concepts and ideas.

Earlier Dr. R.Jahir Hussain, HOD (i/c) of Mathematics welcomed the gathering and Dr. S. Ismail Mohideen, Principal delivered the Presidential Address.

Dr. A. K. Khaja Nazeemudeen, Secretary & Correspondent, Dr.K.Abdus Samad, Assistant Secretary and Dr. K. N. Abdul Kader Nihal, Member & Hon. Director greeted the gathering.

The person who instituted this endowment lecture Major M.Aravandi himself graced the event by his august presence along with other retired Professors of Mathematics Department of the College. Around 80 student participants attended the lecture.

At the end of the programme Dr.A. Nagoor Gani, Associate Professor of Mathematics proposed the Vote of Thanks and the entire event was organized and looked after by the Professors of the Department of Mathematics.





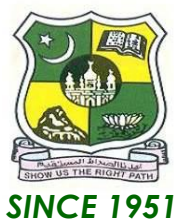












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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**



welcomes you all to attend a

### **Hands on Training on R Programming**

**(Under the aegis of DBT Star College Scheme)**

#### **Resource Person**

**Dr. G. Arockia Sahaya Sheela**  
Assistant Professor & Head  
Department of Data Science  
Holy Cross College (Autonomous)  
Tiruchirappalli -02



**Date:** 26.10.2021-28.10.2021

**Time:** 11.30 a.m.

**Target Audience:** JMC –II B.Sc Mathematics Students

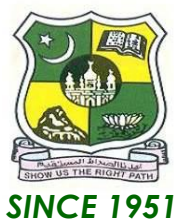
**Venue:** Maths Lab (I Floor)

**ALL ARE INVITED**



Under the aegis of DBT Star College Scheme Hands on Training on R Programming was organized by PG and Research Department of Mathematics for the benefit of Second Under Graduate students of Mathematics from 26.10.2021 to 28.10.2021. 54 students benefitted out of this offline programme.





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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend a

### **Workshop on Vedic Mathematics**



**(Under the aegis of DBT Star College Scheme- An Inter Department Activity)**

### **Resource Person**

#### **Mr. Ashwani Jain**

Assistant Professor of Mathematics  
Khalsa College for Women  
Sidhwan Khurd  
Ludhiana District  
Punjab

**Date:** 26.10.2021-30.10.2021

**Time:** 11.30 a.m.

**Target Audience:** JMC – All I UG Students (DBT Star College Scheme Depts.)

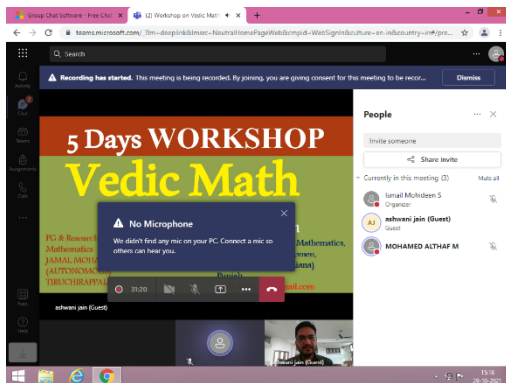
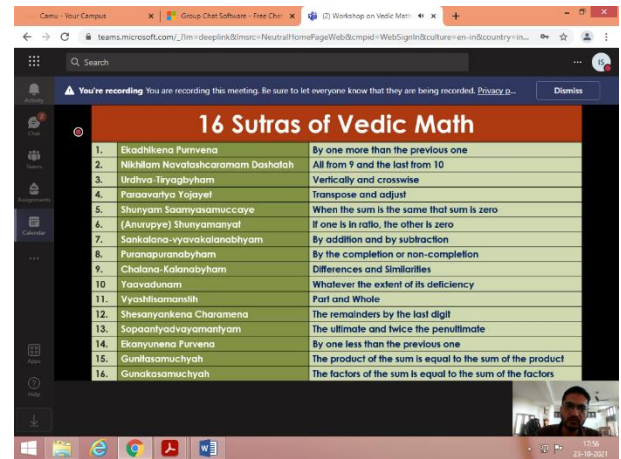
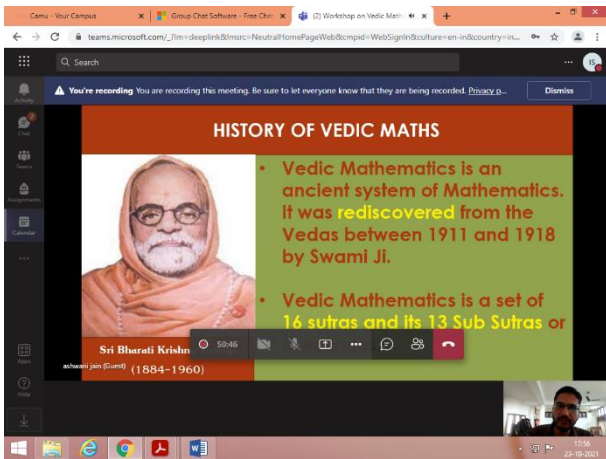
**Venue:** LH-11

**Mode:** Blended

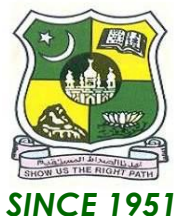
**ALL ARE INVITED**



Under the aegis of Under the aegis of DBT Star College Scheme (An Inter Department Activity) Workshop on Vedic Mathematics was organized by PG and Research Department of Mathematics for the benefit of First Under Graduate students from 26.10.2021 to 30.10.2021. 87 students (M-52, P-7, C-28) benefitted out of this offline programme.







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**PG & RESEARCH DEPARTMENT OF MATHEMATICS**

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**Hands on Training on Matlab and it's applications**

**(Under the aegis of DBT Star College Scheme)**

**Resource Persons**

Date	Name	Title of Lecture
01.11.2021	<b>Dr. T. N. Kavitha</b> Assistant Professor of Mathematics Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University Enathur Kanchipuram	<b>Introduction</b>
01.11.2021	<b>Dr. A. Dhanalakshmi</b> Assistant Professor of Mathematics Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University Enathur Kanchipuram	<b>Matrix</b>
02.11.2021	<b>Dr. K. Bharathi</b> Assistant Professor of Mathematics Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University Enathur Kanchipuram	<b>Linear Programming Problem</b>
02.11.2021	<b>Dr. J. Sengamalaselvi</b> Assistant Professor of Mathematics Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University Enathur Kanchipuram	<b>Differentiation</b>
03.11.2021	<b>Dr. D. Vijayalakshmi</b> Assistant Professor of Mathematics Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University Enathur Kanchipuram	<b>Integration</b>
03.11.2021	<b>Dr. T. N. Kavitha</b> Assistant Professor of Mathematics Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University Enathur Kanchipuram	<b>Ordinary Differential Equations</b>

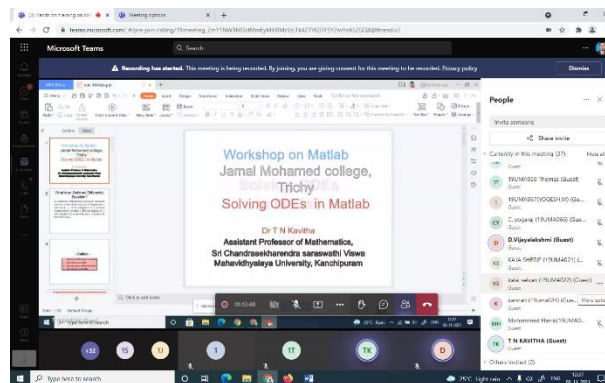
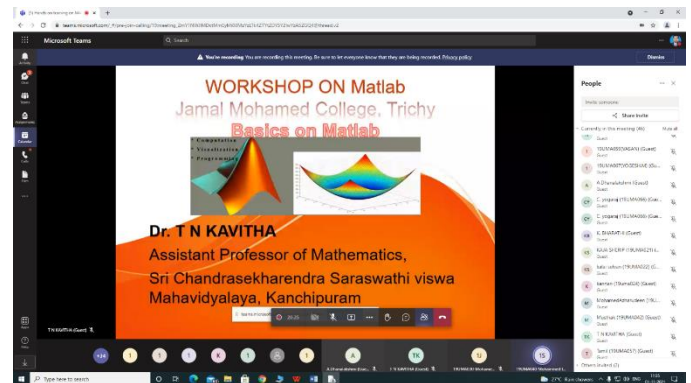
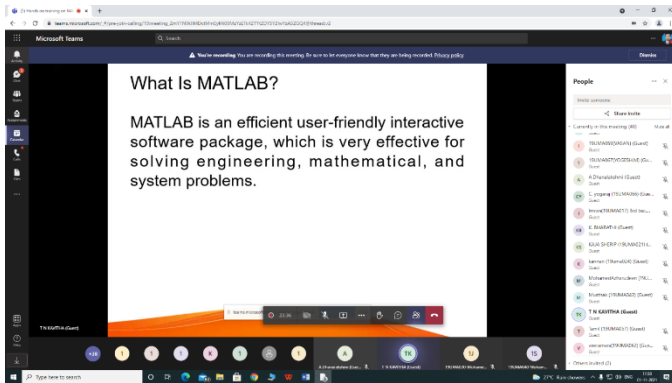
**Date:** 01.11.2021-03.11.2021

**Time:** 11.30 a.m.

**Target Audience:** JMC –III B.Sc. Mathematics

**Mode:** Online

Under the aegis of Under the aegis of DBT Star College Scheme Hands on Training on Matlab and it's applications (by online mode) was organized by PG and Research Department of Mathematics for the benefit of Third Under Graduate students from 01.11.2021 to 03.11.2021. 52 students benefitted out of this online programme.





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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

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### **Hands on Training on SPSS**

**(Under the aegis of DBT Star College Scheme)**

#### **Resource Person**

**Dr.M.BALASUBRAMANIAN**

Assistant Professor

Department of Statistics

Periyar EVR College (Autonomous)

Tiruchirappalli -23

*Date: 1<sup>st</sup> to 3<sup>rd</sup> November 2021*

*Time: 11.30 a.m.*

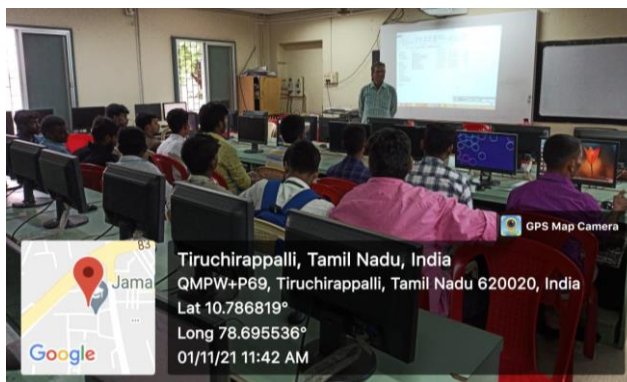
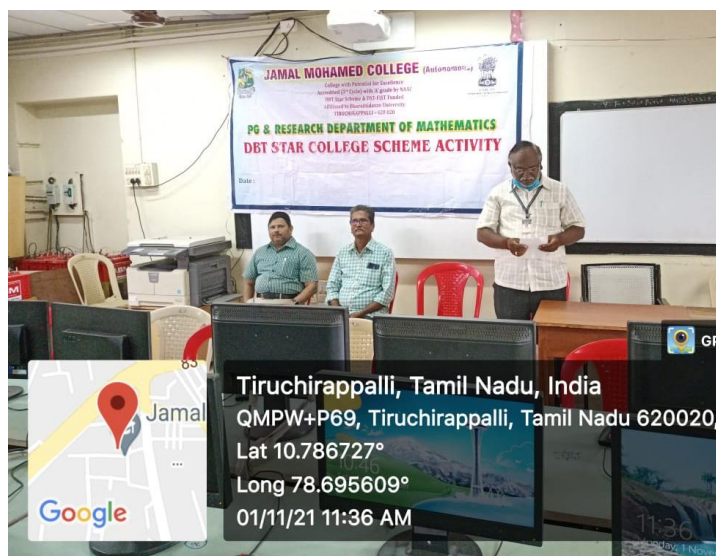
*Venue: Lab (I Floor)*

**Target Audience: II B.Sc. Mathematics Students**

**ALL ARE INVITED**



Under the aegis of DBT Star College Scheme Hands on Training on SPSS was organized by PG and Research Department of Mathematics for the benefit of Second Under Graduate students of Mathematics from 01.11.2021 to 03.11.2021. 60 students benefitted out of this offline programme.



All Staff members and UG students are attended the Launch DBT Star College Mentorship Programme on 08.11.2021 by online Mode. The staff members, I UG and II are gathered at LH-11 and LH-18 respectively. The III UG students attended through online.

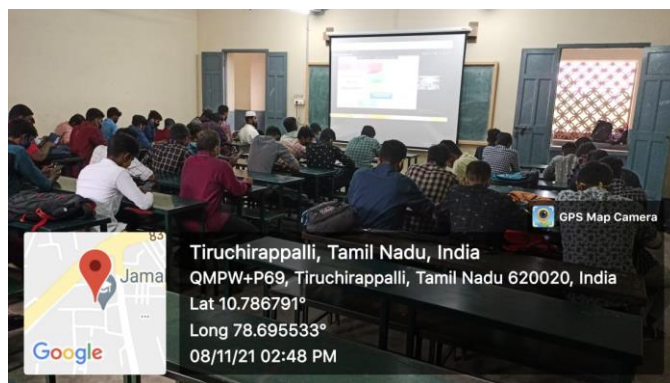
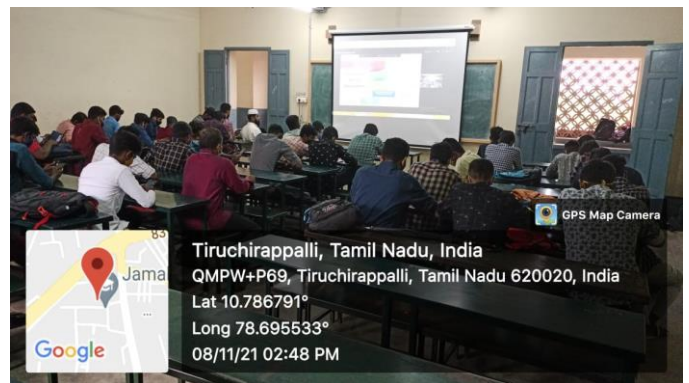


II B.Sc Mathematics and Staff at LH 11





## I B.Sc Mathematics at LH 18







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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**



cordially invite you all to celebrate

### **National Education Day**

**(Birth Anniversary of Maulana Abdul Kalam Azad)**

**&**

### **Special Lecture on Calculus**

**(Under the aegis of DBT Star College Scheme)**

#### **Resource Person**

Dr.Surinder Mohan Deep  
Associate Professor & Head  
Department of Mathematics  
Govind National College  
Narangwal District  
Ludhiana  
Punjab

*Date: 11.11.2021*

*Time: 11.30 a.m.*

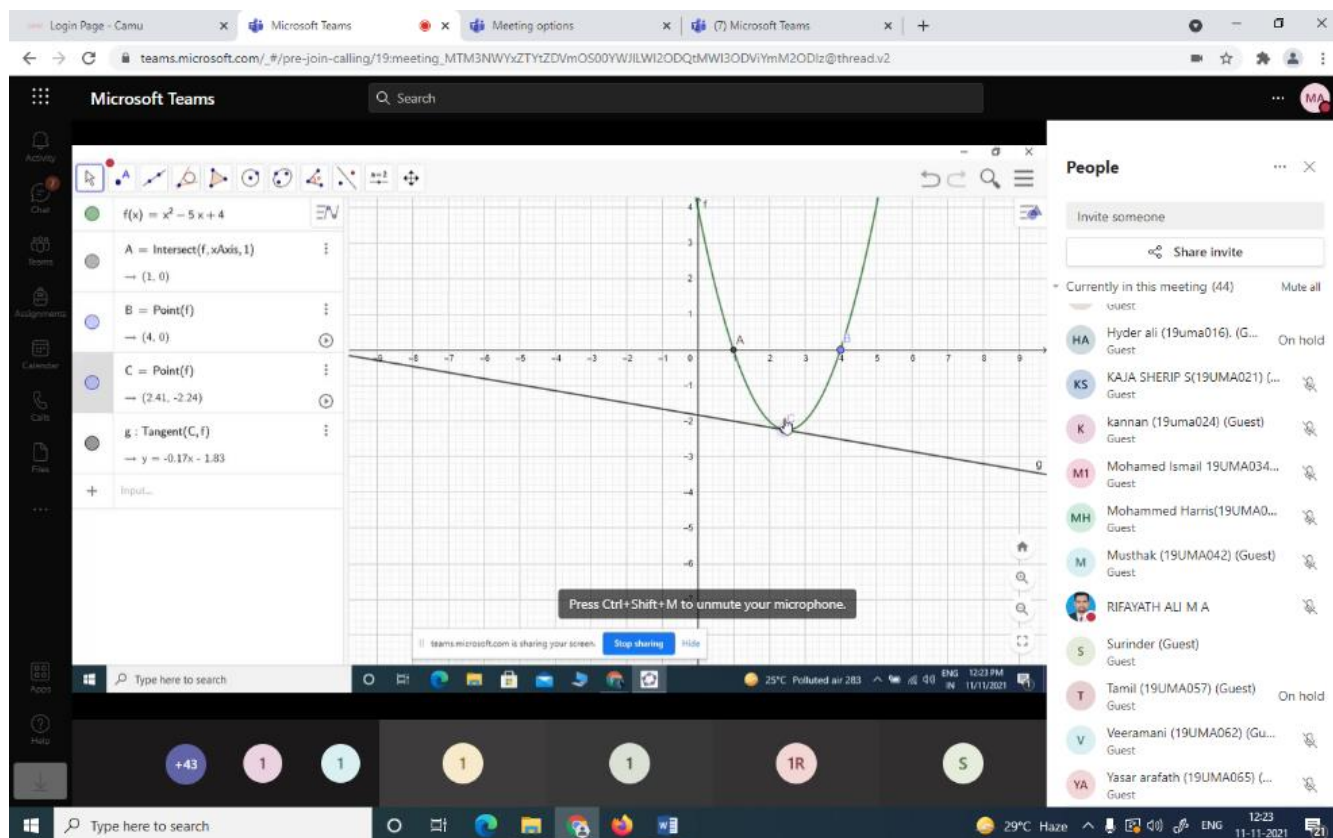
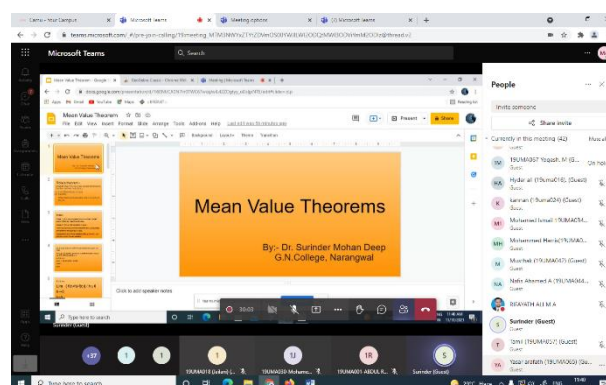
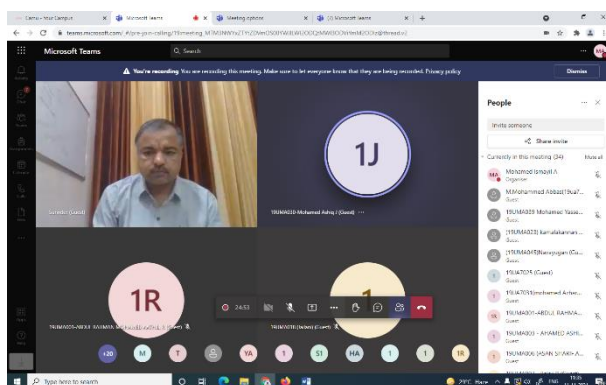
*Mode: Online*

*Target Audience: III B.Sc. Mathematics Students*

**ALL ARE INVITED**

National Education Day (Birth Anniversary of Maulana Abdul Kalam Azad) observed at Department of Mathematics, Jamal Mohamed College on 11.11.2021 at 11.30 a.m.

Dr. Surinder Mohan Deep, Associate Professor & Head, Department of Mathematics, Govind National College, Punjab delivered a Special Address by online Mode. No. of third year Students benefitted is 44 (by screen shot)





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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**



welcomes you all to attend a

Special Lecture on

### **Employment Prospects for Mathematics Aspirants**

**(Under the aegis of DBT Star College Scheme)**

#### **Resource Person**

Dr. Richa Brar  
Assistant Professor of Mathematics  
Sri Guru Granth Sahib World University  
Fatehgarh Sahib  
Punjab

*Date: 15<sup>th</sup> November 2021*

Time: 11.30 a.m.

Target Audience: III B.Sc. Mathematics Students

**ALL ARE INVITED**







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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend



## **Training Programme on Theory of Equations**

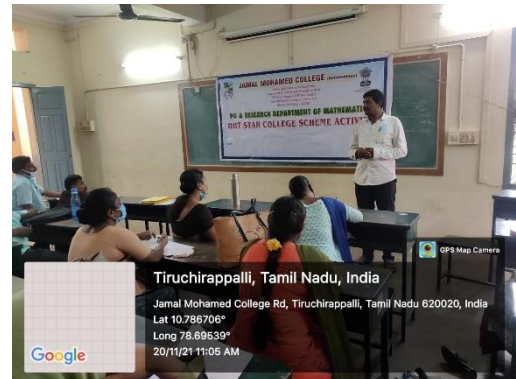
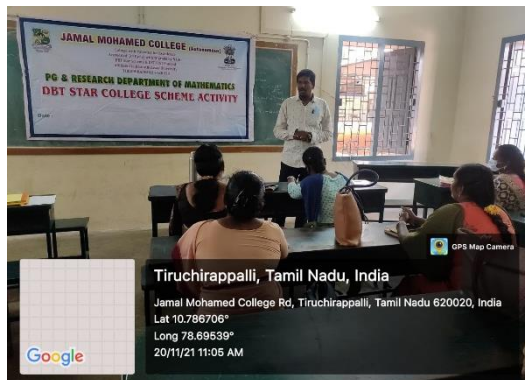
**(Under the aegis of DBT Star College Scheme- An Outreach Activity)**

at 10.00 a.m. on 20<sup>th</sup> November 2021 at LH 13

Target Audience : School Teachers

Special Address : Dr. M.Mohamed Althaf  
Assistant Professor  
Department of Mathematics  
Jamal Mohamed College  
Tiruchirappalli

Training Programme on Theory of Equations (Under the aegis of DBT Star College Scheme- An Outreach Activity) was organized by PG and Research Department of Mathematics for the benefit of School Teachers of Mathematics on 20.11.2021. 20 school teachers benefitted out of this offline programme. Dr. M.Mohamed Althaf Assistant Professor, Department of Mathematics, Jamal Mohamed College Tiruchirappalli was the resource person.







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## PG & RESEARCH DEPARTMENT OF MATHEMATICS

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## Hands on Training Programme on SageMath Software

(Under the aegis of DBT Star College Scheme)



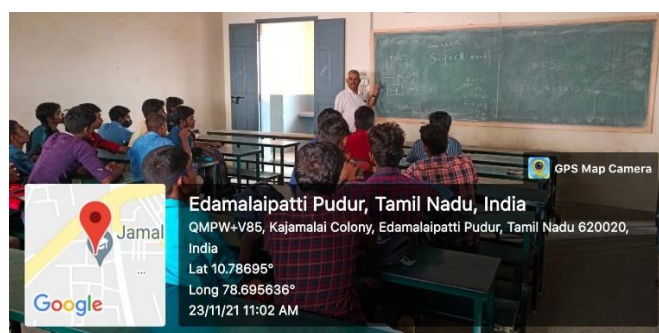
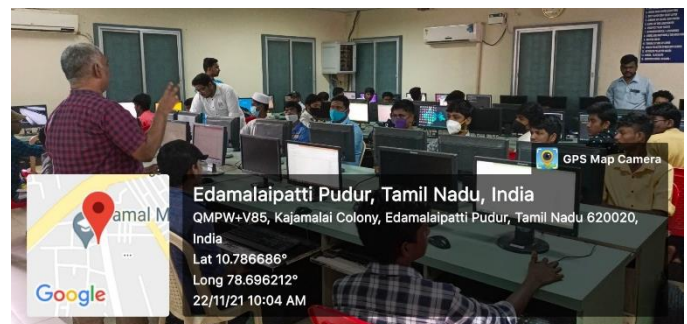
at 10.00 a.m. on 22<sup>nd</sup> & 23<sup>rd</sup> November 2021 at Lab

Target Audience : I B.Sc Mathematics students

Special Address : Dr. P. S. Srinivasan  
Associate Professor  
Department of Mathematics  
Bharathidasan University  
Tiruchirappalli - 620 024



Under the aegis of DBT Star College Scheme Hands on Training on SageMath Software was organized by PG and Research Department of Mathematics for the benefit of Second Under Graduate students of Mathematics on 22.11.2021 and 23.11.2021. 46 students benefitted out of this offline programme. Dr. P. S. Srinivasan Associate Professor, Department of Mathematics, Bharathidasan University Tiruchirappalli was the resource person.





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### **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

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### **Special Lecture on Maths & Magics**

**(An Outreach Activity- Under the aegis of DBT Star College Scheme)**



at 10.00 a.m. on 10.12.2021

**Target Audience** : VI Standard School Students

**Venue:** Corporation Middle School  
Subramaniapuram, Trichy-20

**Special Address** : Mr. M.Manikandan  
District Secretary  
Tamil Nadu Science Forum  
Tiruchirappalli



Under the aegis of DBT Star College Scheme – An Outreach Activity “A Special Lecture on Maths and Magics” was organized by PG and Research Department of Mathematics for the benefit of IV-VIII Standard School Students on 10.12.2021. Mr.Manikandan, District Secretary of Tamilnadu Science Forum, Tiruchirappalli was the Resource person of this program. 99 students participated and they were highly benefitted out of this offline programme.





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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend

### **Activity Based Mathematics Learning**

**(An Outreach Activity- Under the aegis of DBT Star College Scheme)**



at 11.30 a.m. on 10.12.2021

By UG Mathematics Students

Venue: Corporation Middle School  
Subramaniapuram, Trichy

Target Audience : VII Standard School Students



Under the aegis of DBT Star College Scheme- An Outreach Activity, a program was organized by PG and Research Department of Mathematics in the topic “Activity Based Mathematics Learning” on 10.12.2021 by the UG Mathematics Students for the benefit of VIII Standard School Students. Nearly, 40 students participated and benefitted out of this offline programme.





To

The Head of the Mathematics Department  
Jamal Mohamed College  
Tiruchirappalli-20

Sir,

We thank the staff and students of Department of Mathematics, Jamal Mohamed College for conducting a Program on Activity based Mathematics learning on 10/12/2021 (under DBT Star Star College Scheme). Our school VI-VIII Standard students attended actively. 40 students are benefited through this Programme.

2  
10/12/21

10/12/21  
Headmistress  
Corporation Middle School  
Subramanlyapuram  
Trichy - 20



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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

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## **Seminar on General Application of Mathematics**

**(Under the aegis of DBT Star College Scheme)**

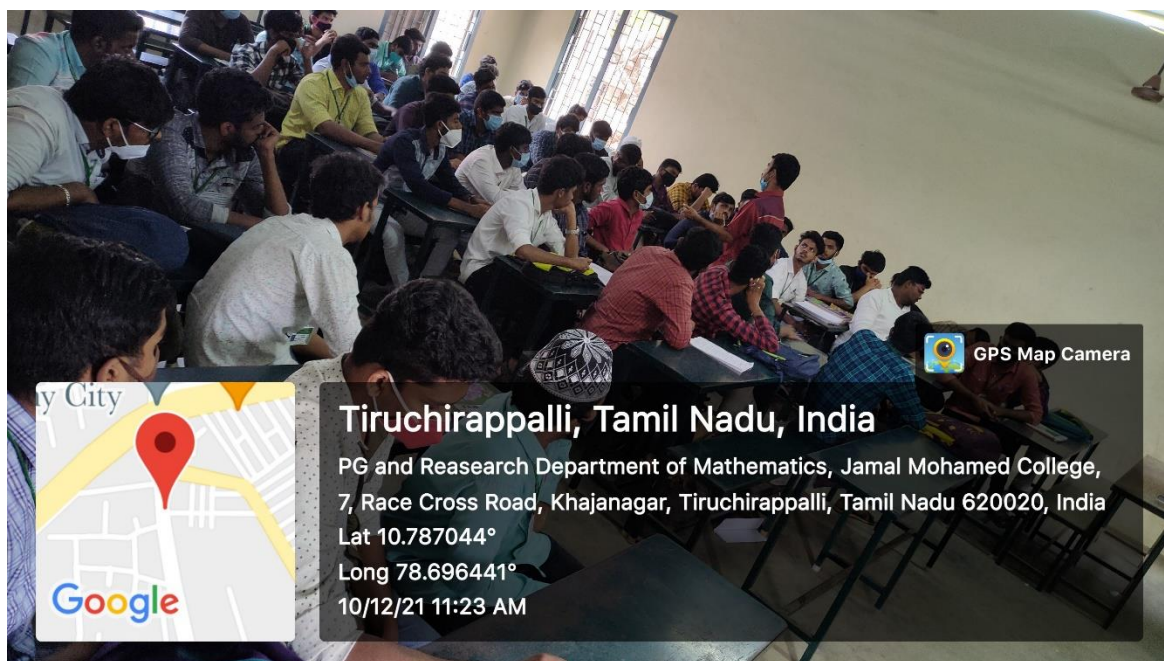
at 10.00 a.m. on 10.12.2021

**Target Audience** : III B.Sc. Mathematics Students

**Special Address** : Dr.B.Mohamed Harif  
Assistant Professor in Mathematics  
Rajah Serfoji Government College  
Thanjavur-5

**Venue:** LH- 18

Under the aegis of DBT Star College Scheme a seminar on “General Application of Mathematics” was organized by PG and Research Department of Mathematics on 10.12.2021 for the benefit of Third year Under Graduate students of Mathematics. Dr.B.Mohamed Harif, Assistant Professor in Mathematics Rajah Serfoji Government College,Thanjavur was the resource person. 46 students participated and they were highly benefitted out of this offline programme.







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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

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### **Seminar on Group Theory**

**(Under the aegis of DBT Star College Scheme)**

at 10.00 a.m. on 11.12.2021

**Target Audience** : III B.Sc. Mathematics Students

**Special Address** : Dr.B.Mohamed Harif  
Assistant Professor in Mathematics  
Rajah Serfoji Government College  
Thanjavur-5

**Venue:** LH- 18



Under the aegis of DBT Star College Scheme a seminar on “Group Theory” was organized by PG and Research Department of Mathematics on 11.12.2021 for the benefit of Third year Under Graduate students of Mathematics. Dr.B.Mohamed Harif Assistant Professor in Mathematics Rajah Serfoji Government College,Thanjavur-5 was the resource person. 39 students participated and they were highly benefitted out of this offline programme.





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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend

### **Special Lecture on Importance of Life Skills Education**



**(An outreach Activity- Under the aegis of DBT Star College Scheme)**

at 11.30 a.m. on 11.12.2021

**Target Audience** : School Teachers

**Special Address** : Dr. R.Jahir Hussain  
Associate Professor of Mathematics  
Jamal Mohamed College  
Trichy

**Venue:** LH- 11



Under the aegis of DBT Star College Scheme- outreach Activity a Special Lecture on Importance of Life Skills Education was organized by PG and Research Department of Mathematics on 11.12.2021 for the benefit of School Teachers. Dr. R.Jahir Hussain Associate Professor of Mathematics, Jamal Mohamed College, Trichy was the resource person. 15 school teachers participated and they were benefitted out of this offline programme.





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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend

### **Seminar on Present Trends in Mathematics**



**(Under the aegis of DBT Star College Scheme)**

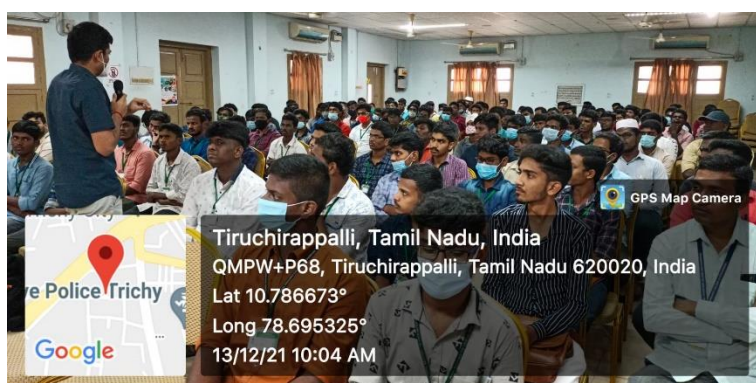
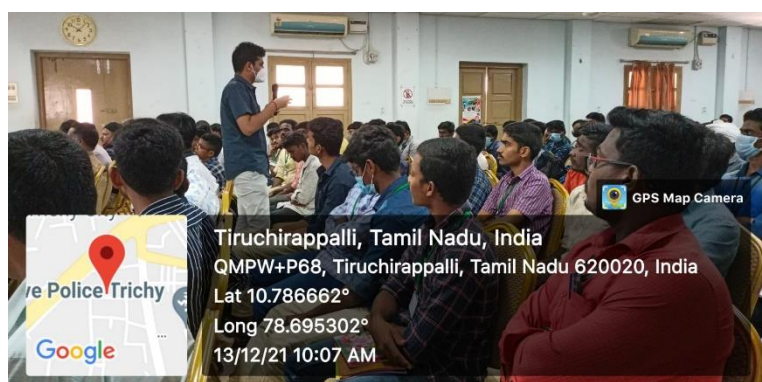
at 10.00 a.m. on 13.12.2021

**Target Audience** : I UG, II UG and III UG Mathematics Students

**Special Address** : R.S. Elancheeran  
PhD, PMRF Fellow  
Department of Mathematics  
IIT Madras, Chennai

**Venue:** Syed Hussainudeen Hall

Under the aegis of DBT Star College Scheme a seminar on “Present Trends in Mathematics” was organized by PG and Research Department of Mathematics on 13.12.2021 for the benefit of I,II and III year Under Graduate students of Mathematics. R.S.Elanchearan PhD,PMRF Fellow Department of Mathematics IIT Madras, Chennai was the Resource of person of this program. 176 students participated and they were highly benefitted out of this offline programme.







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# **JAMAL MOHAMED COLLEGE (AUTONOMOUS)**

**College with Potential for Excellence**  
**Accredited (3<sup>rd</sup> Cycle) with 'A' Grade by NAAC**  
**DBT Star College Scheme & DST-FIST Funded**  
**(Affiliated to Bharathidasan University)**  
**TIRUCHIRAPPALLI – 620 020**



Department  
of Biotechnology  
Govt. of India

## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend

### **Seminar on Applied Mathematics**

**(Under the aegis of DBT Star College Scheme)**

at 10.00 a.m. on 15.12.2021

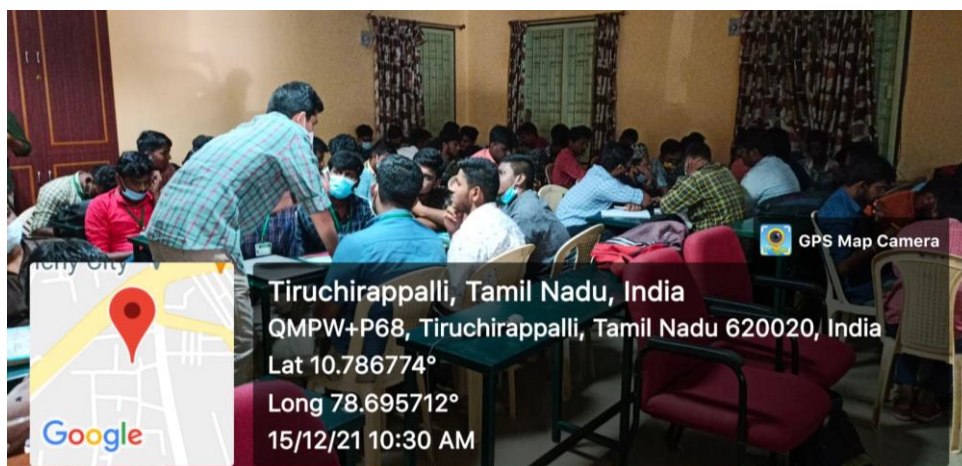
**Target Audience** : UG Mathematics Students

**Special Address** : R.S. Elancheeran  
PhD, PMRF Fellow  
Department of Mathematics  
IIT Madras, Chennai

**Venue:** LH- 11



Under the aegis of DBT Star College Scheme a seminar on “Applied Mathematics” was organized by PG and Research Department of Mathematics on 15.12.2021 for the benefit of I,II and III year Under Graduate students of Mathematics. R.S.Elancheeran PhD,PMRF Fellow Department of Mathematics IIT Madras, Chennai was the Resource of person of this program. 61 students participated and they were highly benefitted out of this offline programme.





## Field Visit

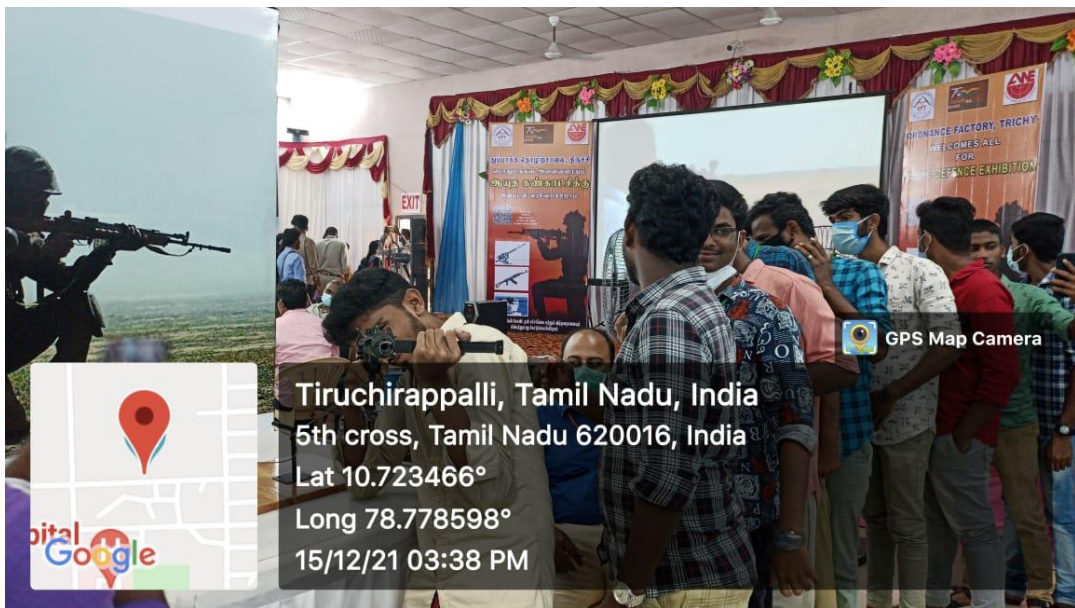
**Date:** 15/12/2021 **Time:** 3.00 pm

**Location:** Ordnance Factory Trichy, Tiruchirappalli.

Students (II- B.Sc. Mathematics, III-B.Sc. Mathematics) attended with Professors











# Field Visit Report

**Date:** 15/12/2021    **Time:** 3.00 pm

**Location:** Ordnance Factory Trichy, Tiruchirappalli.

**Report Completed by:** B Praveen, II-B.Sc. Mathematics

30 students (II- B.Sc. Mathematics, III-B.Sc. Mathematics) attended with Professors

## Introduction:

- Ordnance Factory Tricky is small arms factory operated by Advanced weapons and Equipment India Limited based in Trichy, which was previously part of OFB (Ordnance Factory Board) of Ministry of Defence, GOVT of India.

## History:

- It was inaugurated on 3rd July 1966 by Prime minister of India (Indira Gandhi) and Production began in 1967. It need for too felt after Indo-Pakistani war of 1965.

## Products:

- OFT started its Production with 9mm Carbines and now manufacturers arms ranging from 5.56 mm rifles to rocket launchers, shell launchers, grenade launchers, aviation armament etc..
- OFT mainly manufacturers for Indian Armed Forces, Central Armed Police Forces, State Armed Police Forces, special Forces of India, Paramilitary Forces of India.

## Observation collected by us:

- We Saw old and new model guns. Firstly, I would like tell about old Ancient guns . They Exhibited guns before 2000 (between 1900-2000). All are made with metals. May be & that bullets were made by with Cow skin.lot of guns we were seen using used 1900-1999.
- Next I would like to tell about new model gun, missile, etc....
- It's very Pleasure moment for us. Because we seen lots of modern weapons.
- We seen modern weapon Marine area, it's Totally automatic. it's was awesome.
- Then we seen missiles used in military tanks. it's was too large.
- Then we seen very rare modern missile. It's called Grenade mission. We can target upto 400m. If we aim and shoot, it will demolish that area. But the gun is too small.
- lot of gun's are exhibited for us.

## Conclusion:

- We were very excited to visit that place. It's very pleasure for us to Seen that place. C
- China are made / make weapons with Plastic, but our India we make / made weapons with metals.
- It is many very Pleasure for us, because modern weapons (2500 weapon Per Year Supplied by our Trichy, Tamil Nadu.

"Proud to be an Indian"

"Jai Hind"





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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend

### **Seminar on Fractal Analysis and its Applications**



**(Under the aegis of DBT Star College Scheme)**

at 10.00 a.m. on 16.12.2021

**Target Audience** : III UG Mathematics Students

**Special Address** : Dr.R.Uthayakumar  
Professor of Mathematics  
The Gandhigram Rural Institute  
(Deemed to be University)  
Gandhigram  
Dindigul District, 624 302

Venue: LH- 11

Under the aegis of DBT Star College Scheme a Seminar on “Fractal Analysis and its Applications” was organized by PG and Research Department of Mathematics on 16.12.2021 for the benefit III year Under Graduate students of Mathematics. Dr.R.Uthayakumar ,Professor of Mathematics, The Gandhigram Rural Institute (Deemed to be University) Gandhigram, Dindigul was the Resource of person of this program. 47 students participated and they were highly benefitted out of this offline programme.





Omicron awareness phamblents were distributed among the public on 16.12.2021 in the presence of DBT Department Mentor Dr.R.Uthayakumar, Head (i/c) and Faculty members of the Department of Mathematics. 300 pamphlets were distributed in the TVS Tollgate. 30 Students from I B.Sc and II B.Sc., Mathematics came to Volunteer themselves for the distribution of Pamphlets.





# OMICRON AWARENESS PHAMBLET



**முதுகலை சமூகப்பணித்துறை**

**&**

**உன்னத் பாரத் அபியான் திட்டம்  
ஜமால் முகமது கல்லூரி (குன்னாட்சி)**

ஆற்றல் வளத் தனித்தகுதி பெற்றது.

(தேசிய தர மதிப்பீடு மூன்றாம் சுற்றில் 'A' தரச்சான்று பெற்றது)

DBT - நட்சத்திரக் கல்லூரித்திட்டம் மற்றும் DST - FIST நிதிநல்கையும் பெற்றது

(பாரதிதாசன் பல்கலைக்கழக இணைவு பெற்றது)

திருச்சிராப்பள்ளி - 620020

**நல் உள்ளங்கள் அறக்கட்டளை**

(ஜமால் முகமது கல்லூரி முன்னாள் மாணவர்கள்)



## ஒமிக்கரான் தொற்று நோயிலிருந்து உங்களையும் பிறரையும் காத்திட உதவுங்கள்

### செய்ய வேண்டியவை



சோப்பை உபயோகித்து அடிக்கடி கை கழுவ வேண்டும் அல்லது ஆல்கஹால் கலந்த கிருமி நாசினி கொண்டும் கைகளை சுத்தப்படுத்தலாம்.



உபயோகித்த மெல்லிழைத்தாள் (Tissue Paper) உடனே குப்பைத் தொட்டியில் போட வேண்டும்.



மேற்கூறிய நோய் அறிகுறிகள் தென்பட்டால் 104 அல்லது 24x7 மாநில கட்டுப்பாட்டு மையத்தினை உடன் தொடர்பு கொண்டு தகவல் கொடுக்க வேண்டும்.



தும்மும்போதும் / இருமும் போதும் கை குட்டை அல்லது மெல்லிழைத்தாள் (Tissue Paper) உபயோகித்து மூக்கு மற்றும் வாயினை மூடிக் கொள்ளல் வேண்டும்.



காய்ச்சல், சளி, இருமல் மற்றும் மூச்சுத்திணறல் போன்றவைகளால் பாதிக்கப்பட்டால், உடன் அருகிலுள்ள மருத்துவரை அணுகவும்.



மருத்துவரிடம் செல்லும் போது வாய் மற்றும் மூக்கினை மறைக்க துணி அல்லது முக கவசம் அணிந்து செல்ல வேண்டும்.

### தவிர்க்க வேண்டியவை



இருமல், தும்மல், காய்ச்சல், மற்றும் மூச்சுத்திணறலால் பாதிப்புக்குள்ளானவர் பிறருடன் தொடர்பு கொள்ளாதல்.



மேற்கண்ட நோய் அறிகுறிகள் உள்ளவர்கள், மூக்கு மற்றும் வாயினை தொடுதல்.



பொது இடங்களில் எச்சில் துப்பதல்.



வெளியூர் பயணம்.

கூட்டமான பகுதிகளுக்கு செல்லாதல்.



**பொதுநலன் கருதி வெளியிடுவோர்**

**Department of Mathematics  
DBT Star College Scheme**

Omicron awareness phamblents were distributed among the public on 18.12.2021. 100 pamphlets were distributed in the Gandhinagar, Trichy and Middle School, Periyar Nagar. 40 Students from I B.Sc and II B.Sc., Mathematics came to Volunteer themselves for the distribution of Pamphlets.





Under the aegis of DBT Star College Scheme- An Outreach Activity, a program was organized by PG and Research Department of Mathematics in the topic “Activity Based Mathematics Learning” on 18.12.2021 by the UG Mathematics Students for the benefit of School Students at Panchayath Union Middle School, Gandhinagar, Trichy. Nearly, 30 students participated and benefitted out of this offline programme.







**PG & RESEARCH DEPARTMENT OF MATHEMATICS**  
**JAMAL MOHAMED COLLEGE (AUTONOMOUS)**

TIRUCHIRAPPALLI – 620 020

in association with



**Electronics & ICT Academy**  
Indian Institute of Technology Kanpur  
An initiative of Ministry of Electronics & Information Technology (MeitY)  
Ministry of Communications & IT, Govt. of India



Greetings from Department of Mathematics!

PG & Research Department of Mathematics (under DBT Star College Scheme), Jamal Mohamed College, Trichy in association with Electronics & ICT Academy, IIT Kanpur organize an Online Programming Quiz "SMART HACKS-2021-22" on 20.12.2021

**About SMART HACKS – 2021-22**

It's a 2 phases event.

- First Phase: An Online Programming Quiz Contest on C & C++. The scores of the same shall be shared with the student and college.
- Second Phase: Final phase will be Mega Finale at IIT Kanpur.

**Details of the Event:**

S.No	Event	Location	Who can participate	Duration	Dates
1	Online Quiz	College/ University	Students from all years	Online Quiz - 25 Mins No. of Questions - 35	College to finalize the dates
2	SMART HACKS-2021-22 – Mega Finals	IIT- Kanpur	Winners from all participating colleges	24 Hours Hackathon	As and when the conditions are favourable and IIT Kanpur administration permits to conduct of activities.

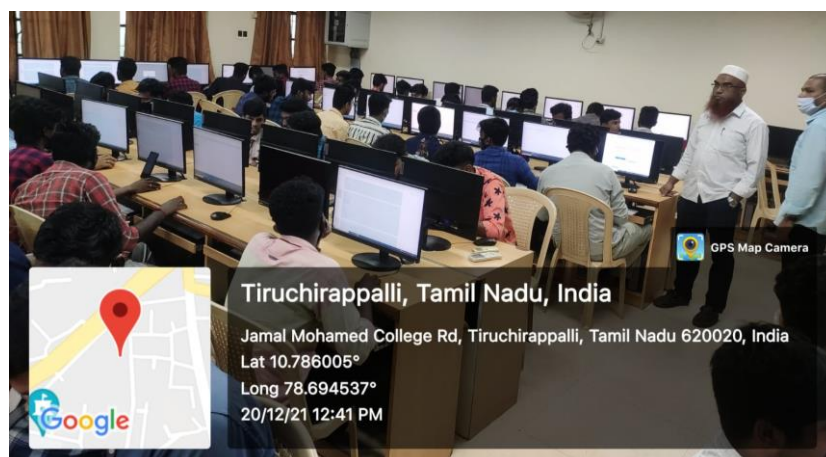
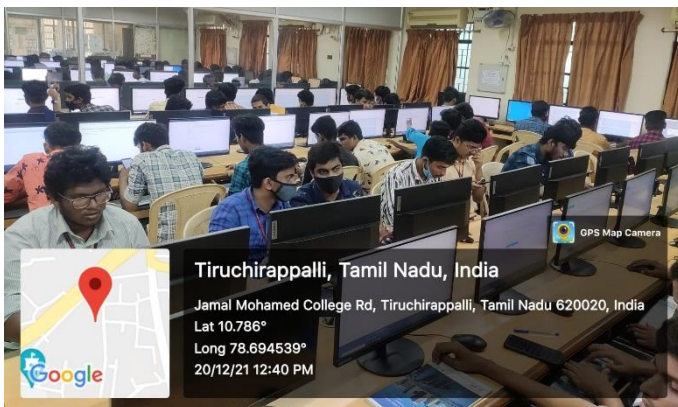
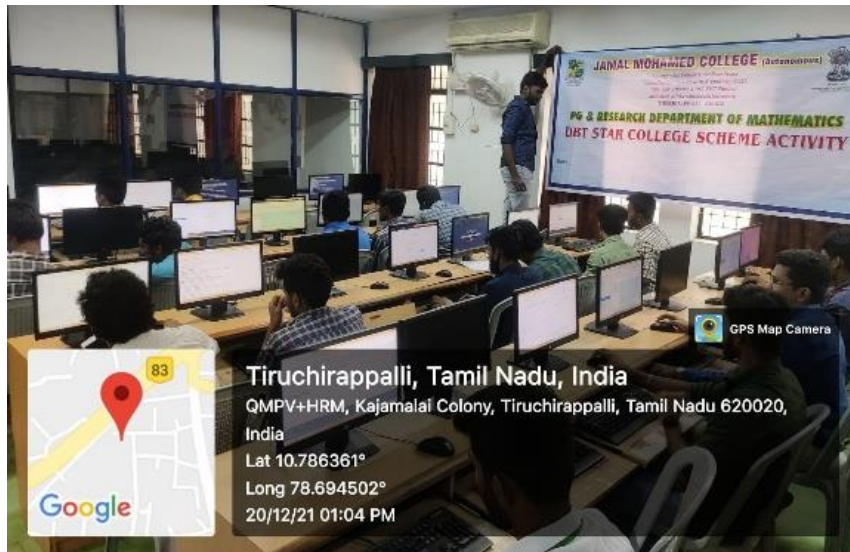
Interested students can register their names by clicking the link below:

<https://forms.gle/NXwZAzrctAJVd2gy5>

Last Date for registration: 17.12.2021 by 1.00 p.m.

Kindly check your registered email frequently for any update.

For further details please contact: 8438123172, 9976162422





# E & ICT Academy, IIT Kanpur

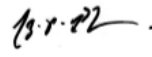
(A Joint Initiative of MeitY & IIT Kanpur)


## CERTIFICATE OF APPRECIATION

is awarded to

**JAMAL MOHAMED COLLEGE (AUTONOMOUS)**

We recognise your cooperation & sincere efforts to organise  
the first round of SMART HACKS 2021

  
Prof. B. V. Phani

  
Prof. Amey Karkare

Date of Issue: 24-12-2021

System Identification No.: 42145-479757-7e395ed137e2a317

Chief Investigators, E & ICT Academy, IIT Kanpur



# E & ICT Academy, IIT Kanpur

(A Joint Initiative of MeitY & IIT Kanpur)

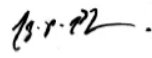
## CERTIFICATE OF APPRECIATION

is awarded to

**PRASANNA A**

We recognise your cooperation & sincere efforts for organising  
the first round of SMART HACKS 2021 at

**JAMAL MOHAMED COLLEGE (AUTONOMOUS)**

  
Prof. B. V. Phani

  
Prof. Amey Karkare

Date of Issue: 24-12-2021

System Identification No.: 42145-479732-c65e5d3e282d7794

Chief Investigators, E & ICT Academy, IIT Kanpur





**PG & RESEARCH DEPARTMENT OF MATHEMATICS  
JAMAL MOHAMED COLLEGE (AUTONOMOUS)**

TIRUCHIRAPPALLI – 620 020

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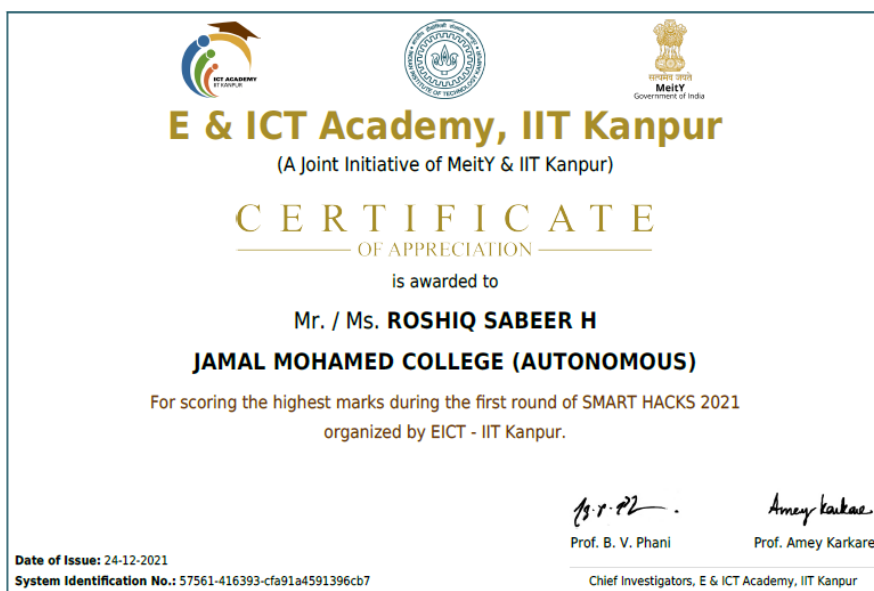


Greetings from Department of Mathematics!

PG & Research Department of Mathematics (under DBT Star College Scheme), Jamal Mohamed College, Trichy in association with Electronics & ICT Academy, IIT Kanpur organize an Online Programming Quiz "SMART HACKS-2021-22" on 20.12.2021

**NATIONAL LEVEL SMART HACKATHON SMART HACKS- 2021-  
PHASE 1-RESULT**

I am happy to inform you that, our College student Mr. H.Roshiq Sabeer (Reg No. 19US170), III B.Sc Computer Science- B is selected to participate in the final phase Quiz Programme, National Level Smart Hackathon Smart Hacks- 2021 which was organized by IIT Kanpur to be held at IIT Kanpur. Our hearty congratulations to Mr. H.Roshiq Sabeer.





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Department  
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Govt. of India

## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**



**Training Programme on Trouble Shooting in Computers**

(Under DBT Star College Scheme- An Inter Departmental Activity)

### **Resource Person**

**Mr. N. Mohamed Bayas**

System Administrator

Jamal Mohamed College

Tiruchirappalli

**Date: 20-12-2021**

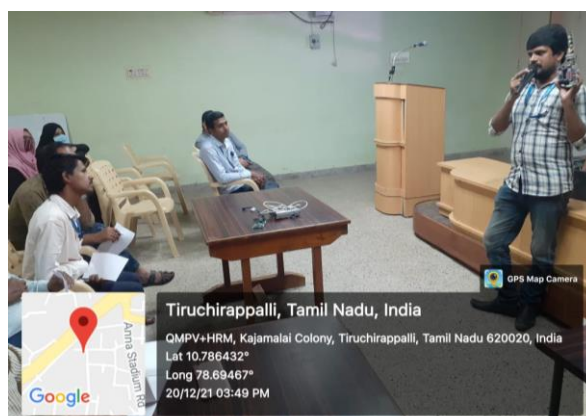
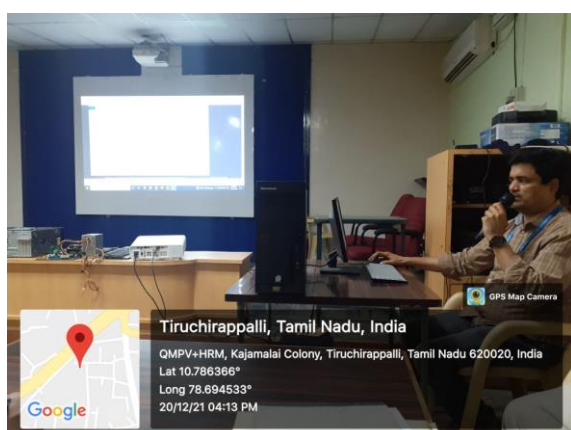
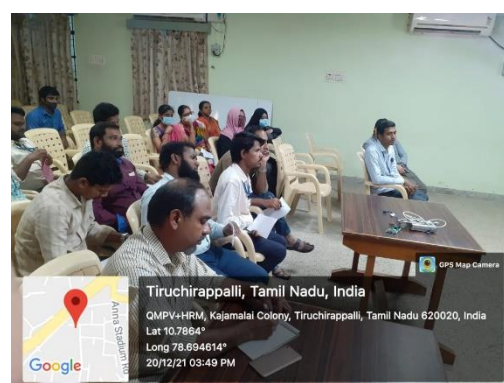
**Time: 2.45 p.m.**

Target Audience: JMC – All Department Computer Lab Programmers

Venue: CS Seminar Hall

**ALL ARE INVITED**

Under the aegis of DBT Star College Scheme (An inter Departmental Activity), Training Programme on Trouble Shooting in Computers was organized by PG and Research Department of Mathematics on 20.12.2021 for the benefit of Supporting Staff of Jamal Mohamed College. Mr. N. Mohamed Bayas, System Administrator, Jamal Mohamed College, Tiruchirappalli was the Resource of person of this program. 23 Computer Lab Programmers and System Admin. participated and they were benefitted out of this offline programme.







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### **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend

## **Special Lecture on Linearization Technique for nonlinear BVPs and Applications to Fluid flow problems**



**(Under the aegis of DBT Star College Scheme)**

at 10.35 a.m. on 21.12.2021

Special Address : Dr. Satyajit Roy, F.N.A.Sc  
Professor  
Department of Mathematics  
Indian Institute of Technology Madras  
Chennai-600036

Target Audience : UG Mathematics Students

Venue: Hussainudeen Hall (Blended Mode)

Under the aegis of DBT Star College Scheme a Special Lecture Programme was organized by PG and Research Department of Mathematics on 21.12.2021 for the benefit of Under Graduate students of Mathematics. Dr. Satyajit Roy, F.N.A.Sc, Professor, Department of Mathematics, Indian Institute of Technology Madras, Chennai-600036 gave a talk on Linearization Technique for nonlinear BVPs and Applications to Fluid flow problems. 125 students participated (class presentees) and they were highly benefitted out of this programme.





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## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

welcomes you all to attend

### **Special Lecture on Partial Differential Equations**

### **and their applications**



**(Under the aegis of DBT Star College Scheme)**

at 2.20 p.m. on 21.12.2021

#### **Special Address**

**: Prof. R. Sahadevan**

Former Director and Head

Former UGC Emeritus Fellow

Ramanujam Institute for Advanced Study in Mathematics

University of Ma

dras

Chepauk, Chennai – 600 005

Target Audience

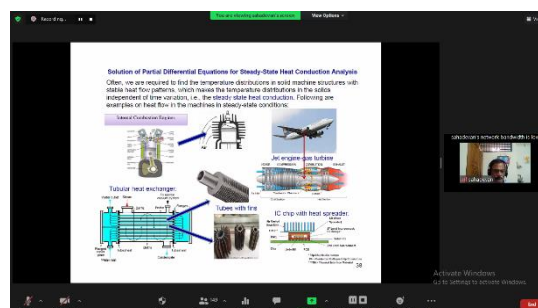
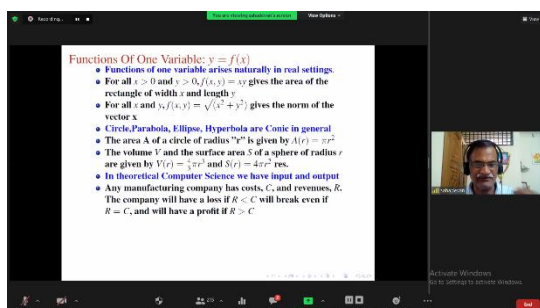
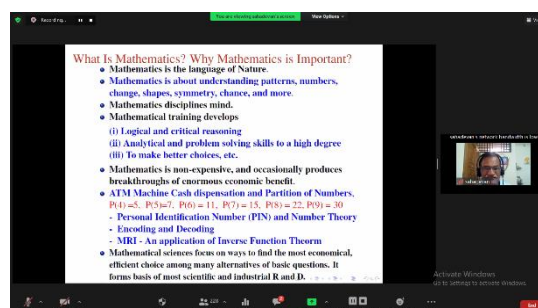
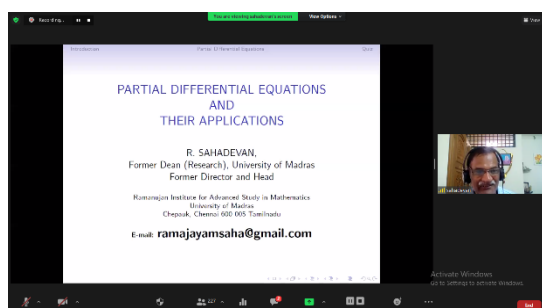
: UG Mathematics Students

Venue: Online



Under the aegis of DBT Star College Scheme a Special Lecture Programme was organized by PG and Research Department of Mathematics.

On 21.12.2021, session was taken by Prof. R. Sahadevan on “Partial Differential Equations and their applications” between 2.20 pm – 5.05 pm. Earlier Dr.U. Abuthahir, Assistant Professor in Mathematics welcomed the Resource person. Finally, Dr.M.A. Rifayathali, Assistant Professor in Mathematics proposed vote of thanks. 125 students participated (class presentees) and they were highly benefitted out of this online programme.





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### PG & RESEARCH DEPARTMENT OF MATHEMATICS



### To commemorate National Mathematics Day

welcomes you all to attend

### Special Lecture on Applications of Linear Differential Equations

(Under the aegis of DBT Star College Scheme)

at 10.30 a.m. on 22.12.2021

Special Address

: **Dr. P. Kandaswamy, F.N.A.Sc.,**  
Professor & Head (Rtd.)  
Bharathiar University  
Coimbatore – 641 046

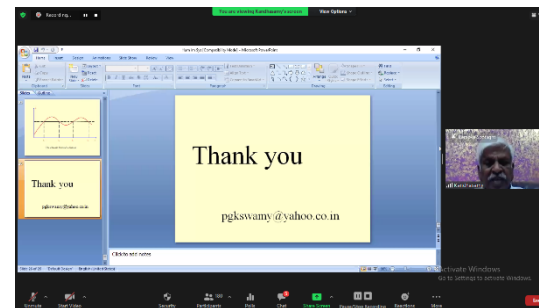
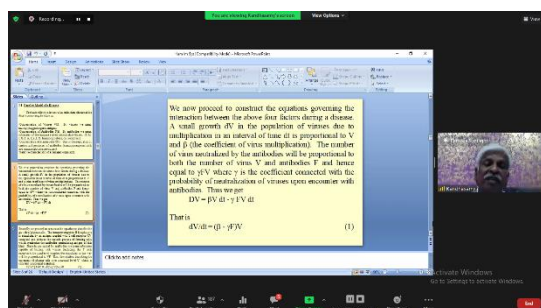
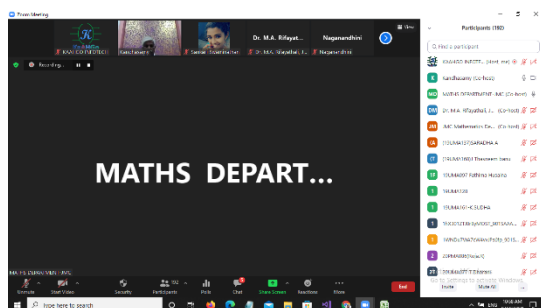
Target Audience

: II UG Mathematics Students

Venue: Online

Under the aegis of DBT Star College Scheme, To commemorate National Mathematics Day, a Special Lecture Programme was organized by PG and Research Department of Mathematics.

On 22.12.2021, lecture was given in the forenoon session by Dr. P. Kandaswamy on Applications of Linear Differential Equations between 10.30 am – 12.45 pm. Earlier Dr.M.Mohammed Jabarulla, Assistant Professor in Mathematics welcomed the Resource person. Finally, Dr.S.Mohamed Yusuff Ansari, Assistant Professor in Mathematics proposed vote of thanks. 53 II B.Sc. students participated (class presentees) and they were highly benefitted out of this online programme.







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Department  
of Biotechnology  
Govt. of India

## PG & RESEARCH DEPARTMENT OF MATHEMATICS



To commemorate National Mathematics Day

welcomes you all to attend

### Special Lecture on Nonlinear Differential Equations

(Under the aegis of DBT Star College Scheme)

at 2.00 p.m. on 22.12.2021

Special Address

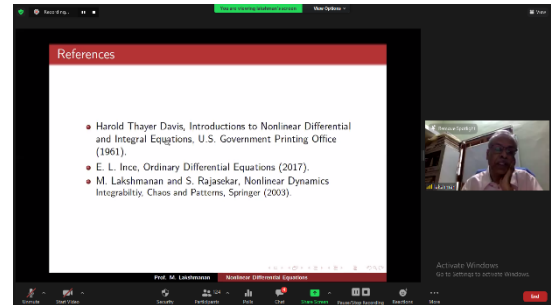
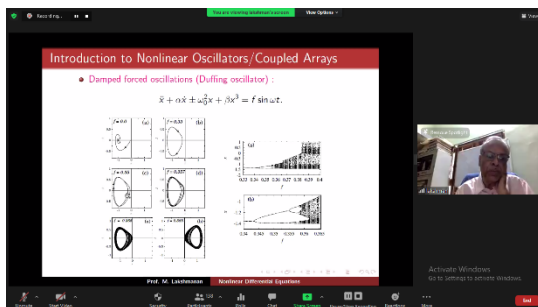
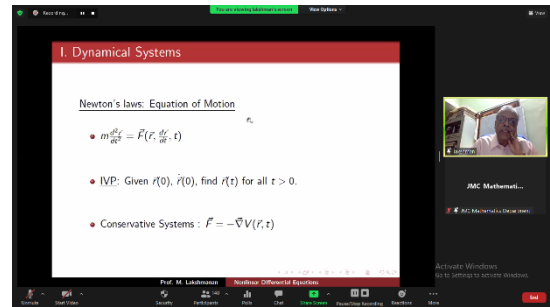
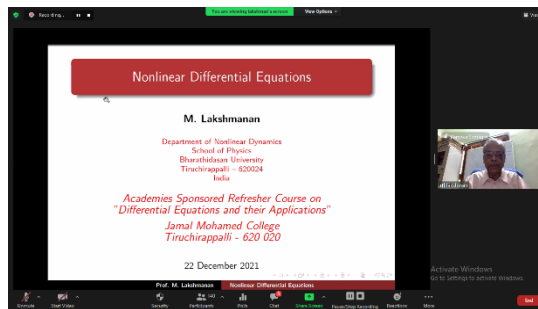
: **Prof. M. Lakshmanan**  
**F.N.A.Sc., F.A.Sc., F.N.A., FTWAS**  
Professor of Eminence &  
DST – SERB National Science Chair  
Department of Nonlinear Dynamics  
School of Physics  
Bharathidasan University  
Tiruchirappalli – 620024

Target Audience : II UG Mathematics Students

Venue: Online

Under the aegis of DBT Star College Scheme, To commemorate National Mathematics Day, a Special Lecture Programme was organized by PG and Research Department of Mathematics.

On 22.12.2021, Prof. M. Lakshmanan gave lecture ‘Nonlinear Differential Equations’ 2.00 pm to 4.45 pm. Earlier Dr.P. Murugannatham, Assistant Professor in Mathematics welcomed the Resource person. Finally, Mr.N.Mohamed Thoiyab, Assistant Professor in Mathematics proposed vote of thanks. 53 II B.Sc. students (class presentees) participated and they were highly benefitted out of this online programme.

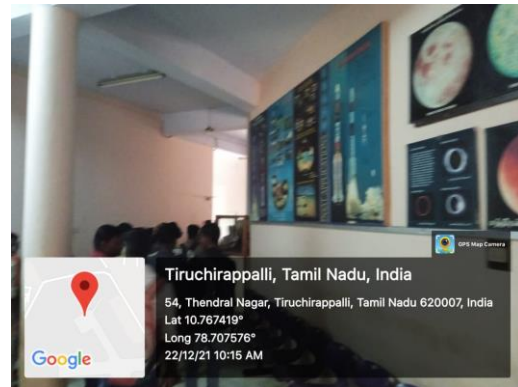
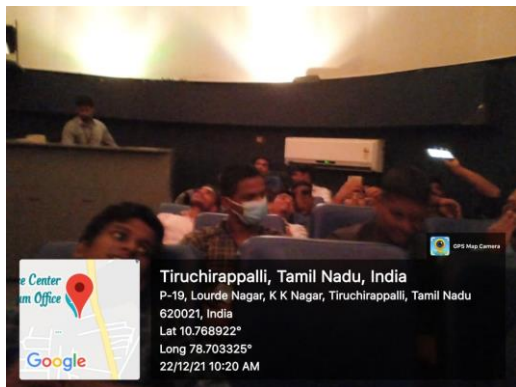


## Field Visit

**Date:** 22/12/2021 **Time:** 10 a.m.

**Location:** Anna Science Centre- Planetarium, Tiruchirappalli.

50 students (I- B.Sc. Mathematics) attended with a Professor







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TIRUCHIRAPPALLI – 620 020



सत्यमेव जयते  
Department  
of Biotechnology  
Govt. of India

## PG & RESEARCH DEPARTMENT OF MATHEMATICS

&

## INTERNAL QUALITY ASSURANCE CELL

Jointly organize



### One Week Faculty Development Programme on ICT Tools for E-content Development (Under DBT Star College Scheme)

**Date: 24.01.2022 to 29.01.2022**

**Time: 9.30 a.m. to 1.00 p.m.** The

Inauguration starts at 9.30 a.m.

on Monday, 24<sup>th</sup> January 2022 in I.T. Seminar Hall

In the presence of

**Janab. M. J. Jamal Mohamed Bilal**, President  
**Dr. A. K. Khaja Nazeemudeen**, Secretary & Correspondent  
**Hajee. M.J. Jamal Mohamed**, Treasurer  
**Dr.K.Abdus Samad**, Assistant Secretary

Welcome Address : **Dr.R.Jahir Hussain**, HOD (i/c) of Mathematics

Presidential Address : **Dr. S. Ismail Mohideen**  
Principal

Special Address : **Dr. A. Vimal Jerald**  
Assistant Professor of Computer Science  
St. Joseph's College (Autonomous)  
Tiruchirappalli

Felicitations :

**Dr. A. K. Khaja Nazeemudeen**  
Secretary & Correspondent

**Hajee. M.J. Jamal Mohamed**  
Treasurer

**Dr.K.Abdus Samad**  
Assistant Secretary

**Dr. K. N. Abdul Kader Nihal**  
Member & Hon. Director

**Dr. A. Mohamed Ibraheem**  
Vice Principal

**Dr. M.Mohamed Sihabudeen**  
Additional Vice Principal

**Dr. K. N. Mohamed Fazil**  
Director-Hostel Administration

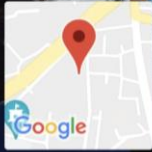
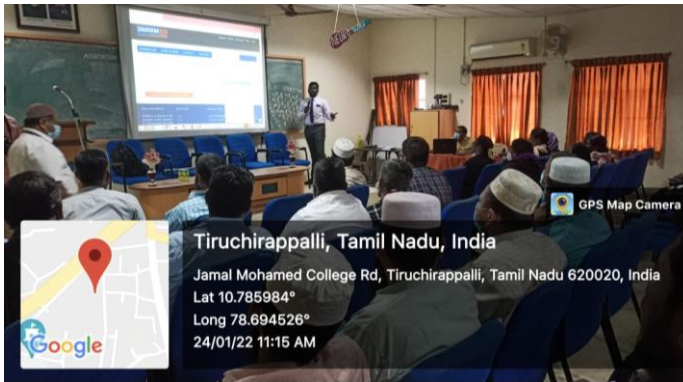
**Ms. J.Hajira Fathima**  
Director-Women Hostel

Vote of Thanks : **Dr. A. Nagoorgani**, Associate Professor of Mathematics

All are invited

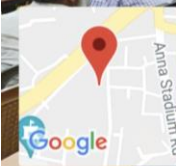
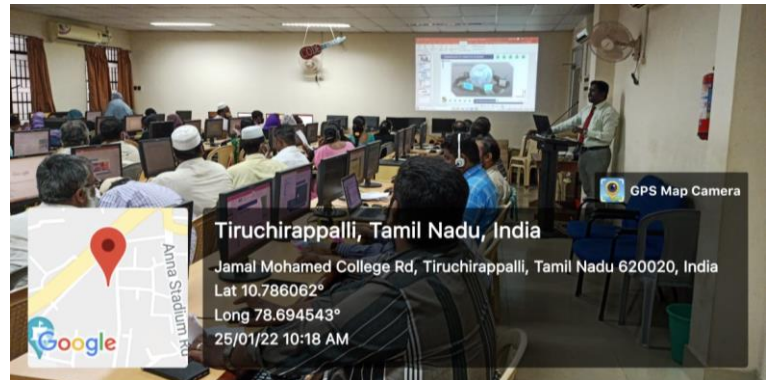






Tiruchirappalli, Tamil Nadu, India  
Jamal Mohamed College Rd, Tiruchirappalli, Tamil Nadu 620020, India  
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Long 78.694526°  
24/01/22 11:15 AM

GPS Map Camera



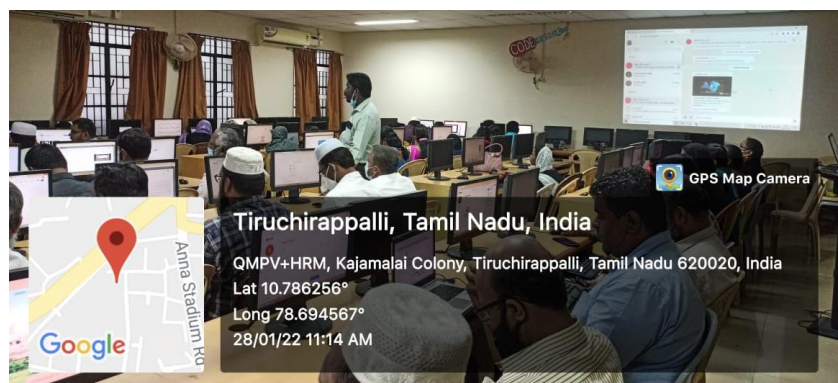
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GPS Map Camera



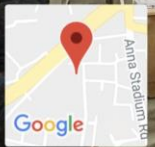
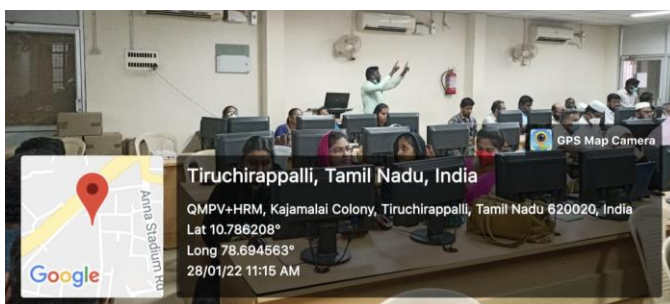
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27/01/22 10:22 AM

GPS Map Camera



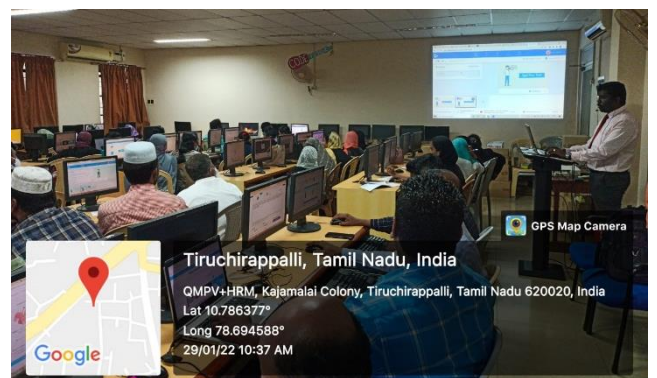
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QMPV+HRM, Kajamalai Colony, Tiruchirappalli, Tamil Nadu 620020, India  
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28/01/22 11:14 AM

GPS Map Camera



Tiruchirappalli, Tamil Nadu, India  
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Lat 10.786208°  
Long 78.694563°  
28/01/22 11:15 AM

GPS Map Camera



Tiruchirappalli, Tamil Nadu, India  
QMPV+HRM, Kajamalai Colony, Tiruchirappalli, Tamil Nadu 620020, India  
Lat 10.786377°  
Long 78.694588°  
29/01/22 10:37 AM

GPS Map Camera





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Department  
of Biotechnology  
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## PG & RESEARCH DEPARTMENT OF MATHEMATICS

&

## INTERNAL QUALITY ASSURANCE CELL

Jointly organize

### One Week Faculty Development Programme on ICT Tools for E-content Development (Under DBT Star College Scheme)



Date: 24.01.2022 to 29.01.2022

Time: 9.30 a.m. to 1.00 p.m.

Resource Person

: **Dr. A. Vimal Jerald**

Assistant Professor of Computer Science  
St. Joseph's College (Autonomous)  
Tiruchirappalli

The Valediction starts at 11.30 a.m.

on Saturday, 29<sup>th</sup> January 2022 in I.T. Seminar Hall

In the presence of

**Janab. M. J. Jamal Mohamed Bilal**, President  
**Dr. A. K. Khaja Nazeemudeen**, Secretary & Correspondent  
**Hajee. M.J. Jamal Mohamed**, Treasurer  
**Dr.K.Abdus Samad**, Assistant Secretary

Welcome Address

: **Dr.A.Mohamed Ismayil**

Associate Professor of Mathematics &  
Coordinator, DBT Star College Scheme

Feedback from the Participants

Special Address

: **Dr. A. Mohamed Ibraheem**

Vice Principal  
Jamal Mohamed College  
Tiruchirappalli

Felicitations

:

**Dr. A. K. Khaja Nazeemudeen**  
Secretary & Correspondent

**Hajee. M.J. Jamal Mohamed**  
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**Dr. K. N. Mohamed Fazil**  
Director-Hostel Administration

**Ms. J.Hajira Fathima**  
Director-Women Hostel

**Dr. R. Jahir Hussain**  
Head (i/c), Dept. of Mathematics

Vote of Thanks

: **Dr. A. Nagoorgani**, Associate Professor of Mathematics



PG & Research Department of Mathematics under the aegis of DBT Star College Scheme organized a one week Online Faculty Development Programme on ICT Tools for E-content Development from 24.01.2022 to 29.01.2022 at I.T Seminar Hall, Jamal Mohamed College. Dr. A. Vimal Jerald, Assistant Professor of Computer Science, St. Joseph's College (Autonomous), Tiruchirappalli acted as the Resource Person and deliberated on various topics in connection with the preparation of e- Content. In the sessions held over a week, the resource person covered the Fundamentals of e-Content preparation using PPT, Clock needle animation, Video creation using screen recorders, Screencast-o-matic, Freecam tool and OBS Software. Totally 74 faculty members from the Department of Mathematics and Computer Science were benefitted out of this programme.



Jamal Mohamed College, Trichy-20

PG & Research Department of Mathematics

Visit to PSGR Krishnammal College for Women, Coimbatore on 09.02.2022

We, the staff members from PG & Research Department of Mathematics (Dr.R.Jahir Hussain, Mr.N.Mohamed Thoiyab, Dr.A.Prasanna and Dr.M.Mohamed Althaf) were visited Department of Mathematics, PSGR Krishnammal College for Women, Coimbatore at 11.30 a.m. on 09.02.2022 to strengthen our Department DBT Star College Scheme Activities.

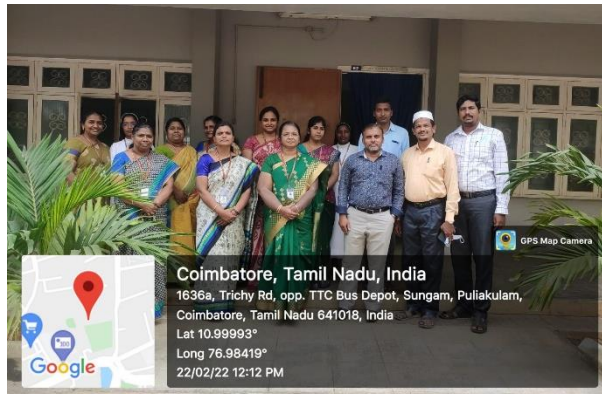
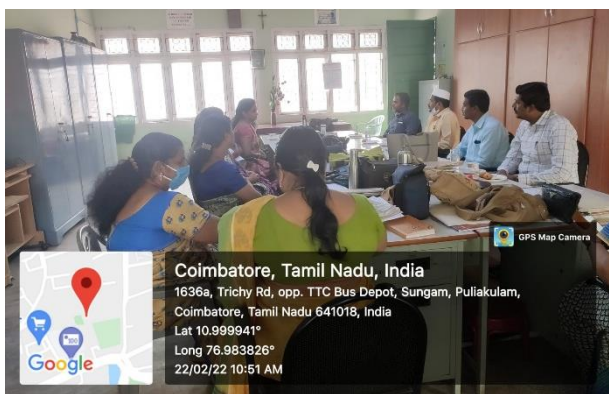


## Jamal Mohamed College, Trichy-20

### PG & Research Department of Mathematics

Visit to Nirmala College for Women, Coimbatore on 22.02.2022

We, the staff members from PG & Research Department of Mathematics (Dr.A.Mohamed Ismayil, Dr.A.Prasanna, Dr. U. Abuthahir and Dr.M.Mohamed Althaf) were visited Department of Mathematics, Nirmala College for Women, Coimbatore at 10.30 a.m. on 22.02.2022 to strengthen our Department DBT Star College Scheme Activities.







**TEACHING LEARNING CENTRE  
RAMANUJAN COLLEGE**  
(ACCREDITED GRADE 'A' BY NAAC)  
UNIVERSITY OF DELHI

in collaboration with

**PG & RESEARCH DEPARTMENT OF MATHEMATICS**  
(Under DBT Star College Scheme)  
**JAMAL MOHAMED COLLEGE (Autonomous)**  
TIRUCHIRAPPALLI, TAMIL NADU

under the aegis of  
**PANDIT MADAN MOHAN MALAVIYA NATIONAL  
MISSION ON TEACHERS AND TEACHING**  
Ministry of Education

are organizing

ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON  
**DATA ANALYTICS & MATHEMATICAL  
SOFTWARE TOOLS**  
**FEBRUARY 25 – MARCH 03, 2022**

**FOR  
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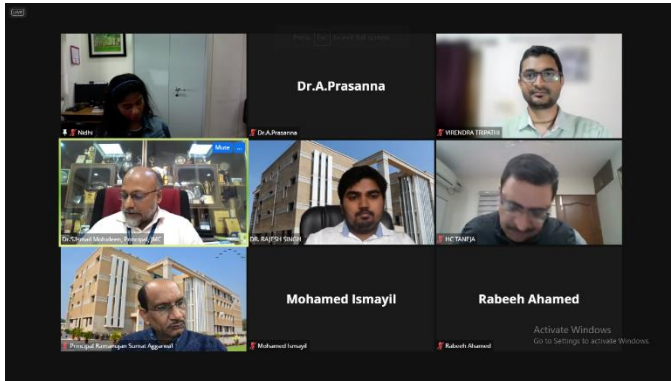
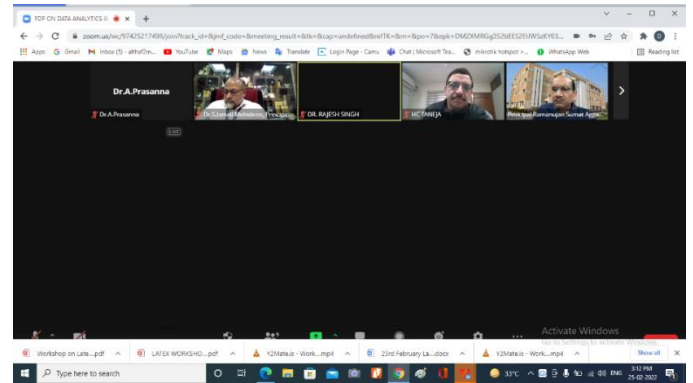
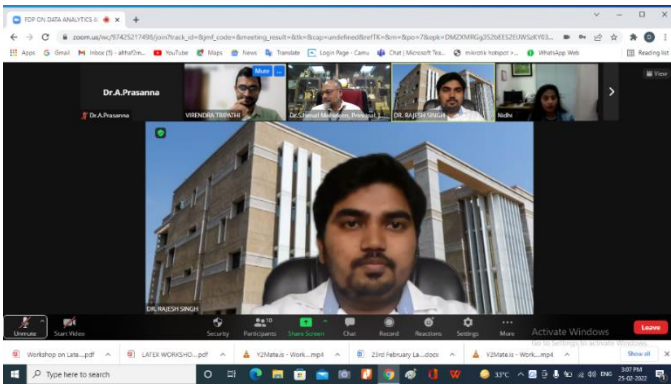




## SCHEDULE

### FACULTY DEVELOPMENT PROGRAMME ON **DATA ANALYTICS & MATHEMATICAL SOFTWARE TOOLS** February 25 - March 03, 2022

Day 1: February 25, 2022 (Friday)			
<b>INAUGURAL SESSION</b> LIVE : 3.00 PM ONWARDS  <b>CHIEF GUEST</b> Prof. H. C. Taneja Department of Applied Mathematics Delhi Technological University		<b>LIVE SESSION 04.00 PM – 05.00 PM</b>  Prof. H. C. Taneja Department of Applied Mathematics Delhi Technological University	PRE-RECORDED SESSION <b>MATHEMATICA</b>  <b>Prof. Suruchi Singh</b> Aditi Mahavidyalaya University of Delhi
Day 2: February 26, 2022 (Saturday)			
PRE-RECORDED SESSION <b>PYTHON</b>  <b>Prof. Bala Prakash Rao Killi</b> , National Institute of Technology, Warangal			
Day 3: February 28, 2022 (Monday)			
PRE-RECORDED SESSION <b>LATEX</b>  <b>Dr. Virendra Kumar</b> , Ramanujan College, University of Delhi			
Day 4: March 01, 2022 (Tuesday)			
PRE-RECORDED SESSION <b>MATLAB</b>  <b>Prof. Bala Prakash Rao Killi</b> , National Institute of Technology, Warangal			
Day 5: March 02, 2022 (Wednesday)			
PRE-RECORDED SESSION <b>R SOFTWARE : AN INTRODUCTION</b>  <b>Dr. Rajesh Singh</b> Ramanujan College, University of Delhi		PRE-RECORDED SESSION <b>MATHEMATICS USING EXCEL</b>  Prof. Satish Verma SGTB Khalsa College, University of Delhi	
Day 6: March 03, 2022 (Thursday)			
PRE-RECORDED SESSION <b>Web Tools for Mathematics</b>  <b>Dr. Rajesh Singh</b> Ramanujan College University of Delhi	PRE-RECORDED SESSION <b>Mathematical Software: Some Hidden Tools</b>  <b>Dr. Deepakshi Sharma</b> Ramanujan College University of Delhi	PRE-RECORDED SESSION <b>Research Tools</b>  <b>Dr. Rajesh Singh &amp; Dr. Virendra Kumar</b> Ramanujan College University of Delhi	<b>VALEDICTORY SESSION</b>



### **Inauguration**

Prof. H.C. Taneja, Department of Applied Mathematics, Delhi Technological University  
(Chief Guest)

Prof. S.P. Aggarwal, Principal, Ramanujan College, University of Delhi

Dr. S. Ismail Mohideen, Principal, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu

Dr. Rajesh Singh (Programme Convener)

Dr. R. Jahir Hussain (Programme Convener)

Dr. Virendra Tripathi (Programme Co-Convener)

All the faculty members of the Department of Mathematics of Ramanujan College, University of Delhi and Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu

Participants joined via YouTube streaming of the college.

### **Session 1: Link for the inaugural session:**

<https://www.youtube.com/watch?v=MEtXBWDyv5k>

### **Session 2: Markov Chain and its Applications**

**Abstract:** This live session started with the introduction to Stochastic Process. Then the concept of Markov chain explained. A Markov chain or Markov process is a stochastic model describing a sequence of possible events in which the probability of each event depends only on the state attained in the previous event. Markov Chain discuss in various distributions. Many examples like Gambling Problem, Golf Ball Problem, etc.

#### **Resource Person: Prof. H.C. Taneja,**

Professor in Applied Mathematics

Department of Applied Mathematics,

Delhi Technological University

Delhi – 110 042

#### **Link of the Lecture:**

<https://www.youtube.com/watch?v=MEtXBWDyv5k>

### **Session 3: MATHEMATICA**

#### **Abstract:**

This video lecture discussed the basics of the software MATHEMATICA. Using the free online version of MATHEMATICA, plotting of 2D, 3D, polar and parametric curves, manipulate command, finding limit, differentiation and integration of functions, solving differential equations, operations on matrices, vectors, simple programming skills and applications of these in writing simple programs in Numerical Analysis is discussed. Detailed explanations of various programs using MATHEMATICA like tables, manipulating commands, parametric curves, plotting polar coordinates, 3D Plots, etc. Finally the session ended after the discussion on use of MATHEMATICA in First order Differential Equations, Second order Differential Equations, Initial Value Problems, etc.



**Resource Person: Prof. Suruchi Singh**

Aditi Mahavidyalaya  
University of Delhi  
Delhi – 110 039

**Link of the Lecture:**

<https://www.youtube.com/watch?v=3WC07758IFo>  
<https://www.youtube.com/watch?v=GXB5wkQg0eM>  
<https://www.youtube.com/watch?v=DHImfNWGCrg>

DAY 2 (FEBRUARY 26, 2022)

**Session 1: PYTHON****Abstract:**

This video lecture is of 8 parts. In the first part of the video lecture describes how to start python coding and also provide the information about the various platforms where one can write and execute the python codes. In the video python Identifiers, Keywords, Variables, operations, few built-in functions for converting from one number system to other system are explained. The second part is of: Python has 4 built-in data structures that can be used to hold a collection of objects, they are list, tuple, set, and dictionary. They can be distinguished into mutable, immutable, set type, and mappings respectively. Lists are ordered mutable sequences that can be changed after they have been created by adding, removing, or changing objects. Lists can be declared by using square brackets “[ ]” following the variable name. It is one of the most used datatype in Python and is very flexible. The next part is as follows, A program’s control flow is the order in which the program’s code executes. The control flow of a Python program is regulated by conditional statements, loops, and function calls. In this video the Control flow statements: If, else, elif Loops: For, while are explained. A function is a set of statements that take inputs, do some specific computation and produce output. The idea is to put some commonly or repeatedly done tasks together and make a function so that instead of writing the same code again and again for different inputs, we can call the function. Functions that readily comes with Python are called built-in functions. Python provides built-in functions like print (), etc. but we can also create your own functions. These functions are known as user defines functions. In this video the lambda functions, map and filter functions with lambda function are explained. NumPy is an open-source numerical Python library. NumPy contains a multi-dimensional array and matrix data structures. It can be utilised to perform a number of mathematical operations on arrays such as trigonometric, statistical, and algebraic routines. NumPy is a Python library used for working with arrays. It also has functions for working in domain of linear algebra, fourier transform, and matrices. NumPy was created in 2005 by Travis Oliphant. NumPy stands for Numerical Python. In this video the Numpy library for efficient storage, loading, manipulation of numerical data is explained. SymPy is a Python library for symbolic mathematics. It aims to become a full-featured computer algebra system (CAS) while keeping the code as simple as possible in order to be comprehensible and easily extensible. SymPy is written entirely in Python. In this video the Sympy library for symbolic mathematics is explained. Pandas is a Python library used for working with data sets. It has functions for analyzing, cleaning, exploring, and manipulating data. The name "Pandas" has a reference to both "Panel Data", and "Python Data Analysis" and was created by Wes McKinney in 2008. Pandas allows us to analyze big data and make conclusions based on statistical theories. Pandas can clean messy data sets, and make

them readable and relevant. Relevant data is very important in data science. In this video the Pandas library for data pre-processing is explained.

**Resource Person: Prof. Bala Prakash Rao Killi**

Professor

Department of Computer Science & Engineering

National Institute of Technology Warangal

Telangana – 506 004

**Link of the Lecture:**

<https://youtu.be/hFmD-tCrYOo>

<https://youtu.be/CTUVsp4OBYg>

<https://youtu.be/0XUtUtKMDpI>

[https://youtu.be/eDR\\_OVFhRcs](https://youtu.be/eDR_OVFhRcs)

<https://youtu.be/80eZAFIp-7Q>

<https://youtu.be/HARDnirRilA>

<https://youtu.be/YX-ap-AT3EU>

<https://youtu.be/FEsgZMhseCw>

DAY 3 (FEBRUARY 28, 2022)

**Session 1: LATEX**

**Abstract:**

In session 1 of day 3 the video lecture of introduction to LaTeX in which the download and installation process are explained. How to use LaTeX both online and offline uses are also discussed in the first part of the video lecture. Producing/typesetting a simple document in LaTeX is explained. Typesetting a Scientific document is described. Adding title, author name, sections, equation numbers, references and their citation, acknowledgement, cross checking the citations, including graphics into document, geometry package and margin setting etc. are all explained. Use of online platform [www.overleaf.com](http://www.overleaf.com) is also shown.

**Resource Person: Dr. Virendra Kumar**

Assistant Professor

Department of Mathematics

Ramanujan College,

University of Delhi

Delhi – 110 019

**Link of the Lecture:**

<https://youtu.be/zrPLMjInudI>

<https://youtu.be/iWZZDRU8kQw>

<https://youtu.be/9FuPz9Mlhms>

[https://youtu.be/s3o\\_1Rj53Sg](https://youtu.be/s3o_1Rj53Sg)

<https://youtu.be/-LO3vgIgSOI>

DAY 4 (March 1, 2022)

## **Session 1: MATLAB**

### **Abstract:**

The lecture began with how to start using the trial version of MATLAB, download and installation in PC are explained. Creating various types of variables and their structures (size and types) are introduced. Different types of data types supported in MATLAB, saving values in variables and using them in computations, removing variables and commands from MATLAB windows, controlling output and basic operation, logical statements and operators in MATLAB are also explained. Creating matrices and matrix operations are also described.

### **Resource Person: Prof. Bala Prakash Rao Killi**

Professor

Department of Computer Science & Engineering

National Institute of Technology Warangal

Telangana – 506 004

### **Link of the Lecture:**

[https://youtu.be/xtAGseo\\_zBA](https://youtu.be/xtAGseo_zBA)

[https://youtu.be/ChIP\\_egjGHg](https://youtu.be/ChIP_egjGHg)

<https://youtu.be/BoEIaF715HA>

<https://youtu.be/biIev2hKGzI>

<https://youtu.be/mZYOpzpMff4>

<https://youtu.be/ruXp4QEeHgo>

<https://youtu.be/bDt8Kjvx4FU>

DAY 5 (March 2, 2022)

## **Session 1: R Software: An Introduction**

### **Abstract:**

In these three video lectures, we will learn about R, which is a programming language and software environment for statistical analysis, graphics representation and reporting. We will learn how to download and install both R Software and R Studio. We will see how we can use help command in R to keep learning while practicing R. We do some basic mathematical calculations using R. We will learn how to assign value or vector to some variable in R and then how to use the same for further purpose like plotting, finding statistical parameters etc. In the end we will learn how to use data frames to manage any given data in R and how to do analysis of that data using R.

### **Resource Person: Dr. Rajesh Singh**

Assistant Professor

Department of Mathematics

Ramanujan College

University of Delhi.

Delhi – 110 019



**Link of the Lecture:**

<https://youtu.be/TfZP4DNdCJk>

[https://youtu.be/Yw2tjU-g\\_oU](https://youtu.be/Yw2tjU-g_oU)

<https://youtu.be/Vadshtz79TA>

**Session 2: MATHEMATICS USING EXCEL****Abstract:**

Excel allows to work with data in a transparent manner, as the data is visible immediately and one can work with the data directly. Intermediate results are contained in the Excel spreadsheet containing 12 billion cells approx. with 255 such sheets in one excel workbook interlinked with each other. The above four lectures explain various techniques using examples in Excel. It starts with some necessary Excel skills including Math operations, trigonometric and logarithmic functions, and then introduces data table to analyse using IF, INDEX and MATCH, XLOOKUP functions in Excel. In second and third lecture 'What-if Analysis' and 'Excel Solver' tools are introduced as the process of changing the values in cells to see how those changes will affect the outcome of formulas on the worksheet using Goal Seek, and Data Tables. Also using Excel Solver, Linear programming problem with sensitivity report, travelling salesperson problem, shortest-path problem, transportation and assignment problems discussed in detail. In the final fourth lecture linear regression and multiple linear regression is introduced with real-life example data as predictive model to make predictions on the scoring data. At the end some in-built array functions of matrix operations discussed with examples.

**Resource Person: Dr. Satish Verma**

Associate Professor

Department of Mathematics

Sri Guru Tegh Bahadur Khalsa College

University of Delhi

Delhi 110007

**Link of the Lecture:**

[https://youtu.be/NTjrAtv\\_3y0](https://youtu.be/NTjrAtv_3y0)

<https://youtu.be/8TrG5cUyGDA>

<https://youtu.be/2OjgmWgaVEE>

<https://youtu.be/WyjX-V49IPo>

DAY 6 (March 3, 2022)

**Session 1: Web Tools for Mathematics****Abstract:**

We will learn about four incredibly effective web resources for mathematics in this video lecture. The main goal is to familiarise you with the capabilities of these tools and demonstrate their efficacy and utility in solving a variety of mathematical problems. To begin, we'll look at the Matrix Calculator, which can be used to conduct all of the basic matrix operations as well as methods for solving systems of simultaneous linear equations and matrix decomposition using various approaches. One of the most useful features of this application is that it provides a detailed answer to each problem for a better grasp of the issue.

Then there's Symbolab, which is a sophisticated math education tool. Users can utilise mathematical symbols and scientific notations, as well as text, to learn, practise, and find math topics. From middle school to college, Symbolab gives automatic step-by-step solutions to algebraic, trigonometric, and calculus topics. Equations, simultaneous equations, inequalities, integrals, derivatives, limits, tangent line, trigonometric equations, functions, and more are all available through Symbolab. The site's declared purpose is to make scientific knowledge more accessible to everyone by expanding the searchable data space to include scientific notations, expressions, equations, and formulas. This is accomplished through the use of proprietary machine learning algorithms to comprehend the content and context of the inquiries. Symbolab is a programme that simplifies math.

The second tool we'll look at is Graph Online, which may be used to manually generate graphs or to employ adjacency or incidence matrices. Some built-in algorithms, such as identify the shortest path, find adjacency matrix, find minimum spanning tree, discover eulerian path, and so on, aid in the deeper investigation of a graph or network.

Finally, we'll look into live.amcharts, which can be used to generate animated pie charts, bar graphs, line graphs, and other graphs based on any data. It also provides HTML coding for the same, which can be included in a webpage to attract visitors.

**Resource Person: Dr. Rajesh Singh**

Assistant Professor  
Department of Mathematics  
Ramanujan College  
University of Delhi.  
Delhi – 110 019

**Link of the Lecture:**

[https://youtu.be/Jh\\_RZL3okI0](https://youtu.be/Jh_RZL3okI0)

**Session 2: Mathematical Software: Some Hidden Tools**

**Abstract:**

In this lecture, we will explore a few pieces of software that are largely unknown to the general public but are quite important in mathematics. These programmes are referred to as CAS. A computer algebra system (CAS) or symbolic algebra system (SAS) is any mathematical programme that can handle mathematical expressions in a fashion that is akin to mathematicians' and scientists' traditional manual computations. All of the software mentioned is open source and free. A free software programme is one that can be used without cost. A piece of software that is open source is one whose source code is available to everyone. The following software is discussed: Microsoft Mathematics, Photo math, Geogebra, Sagemath, Cadabra, Maxima, Gap.

**Resource Person: Dr. Deepakshi Sharma**

Assistant Professor  
Department of Mathematics  
Ramanujan College  
University of Delhi.  
Delhi – 110 019

**Link of the Lecture:**

<https://youtu.be/-OZ111Q1Y4M>

**Session 3: Research Tools****Part 1: Google Scholar and ORCiD****Abstract:**

We'll learn about Google Scholar, a free web search engine and database for scholarly/academic documents developed by Google. Google Scholar indexes the full text or metadata of scholarly publications from a variety of publishers and subjects. Peer-reviewed online academic journals and books, conference papers, theses and dissertations, preprints, abstracts, technical reports, and other scholarly material, such as court judgements and patents, are all included in the Google Scholar index. Here we will learn how to build a Google Scholar profile, add contributions, search papers/profiles, and create references using Google Scholar.

Next, we'll learn about ORCiD, an open registry. Open Researcher and Contributor ID (ORCID) is an acronym for Open Researcher and Contributor ID. It assigns an ORCID iD, a unique 16-digit number that researchers can use to distinguish themselves from other researchers and connect to their own professional affiliations and accomplishments with confidence. We'll go over how to create an ORCID account and get a unique 16-digit identifier.

**Resource Person: Dr. Rajesh Singh**

Assistant Professor  
Department of Mathematics  
Ramanujan College  
University of Delhi.  
Delhi – 110 019

**Link of the Lecture:**

<https://youtu.be/ooM6efKydvY>

<https://youtu.be/S-eYEdLpYr0>

**Part 2: ResearchGate: A Social Networking Website for Researchers****Abstract:**

Receiving updates on latest research in the field is a key aspect in conducting high-quality research. ResearchGate provides a platform where one may acquire up-to-date information and even contact researchers all over the world to collaborate on research projects. In this video, we'll go over how to create a ResearchGate account and how to manage it.



**Resource Person: Dr. Virendra Kumar**

Assistant Professor  
Department of Mathematics  
Ramanujan College,  
University of Delhi  
Delhi – 110 019

**Link of the Lecture:**

[https://youtu.be/r\\_nkFOJ8gKs](https://youtu.be/r_nkFOJ8gKs)

**Session 4: Valediction**

Prof. Suresh M. Hegde, Department of Applied Mathematical and Computational Science,  
National Institute of Technology, Karnataka (Chief Guest)

Prof. S.P. Aggarwal, Principal, Ramanujan College, University of Delhi

Dr. S. Ismail Mohideen, Principal, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu

Dr. Rajesh Singh (Programme Convener)

Dr. R. Jahir Hussain (Programme Convener)

Dr. Virendra Tripathi (Programme Co-Convener)

All the faculty members of the Department of Mathematics of Ramanujan College, University of Delhi and Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu

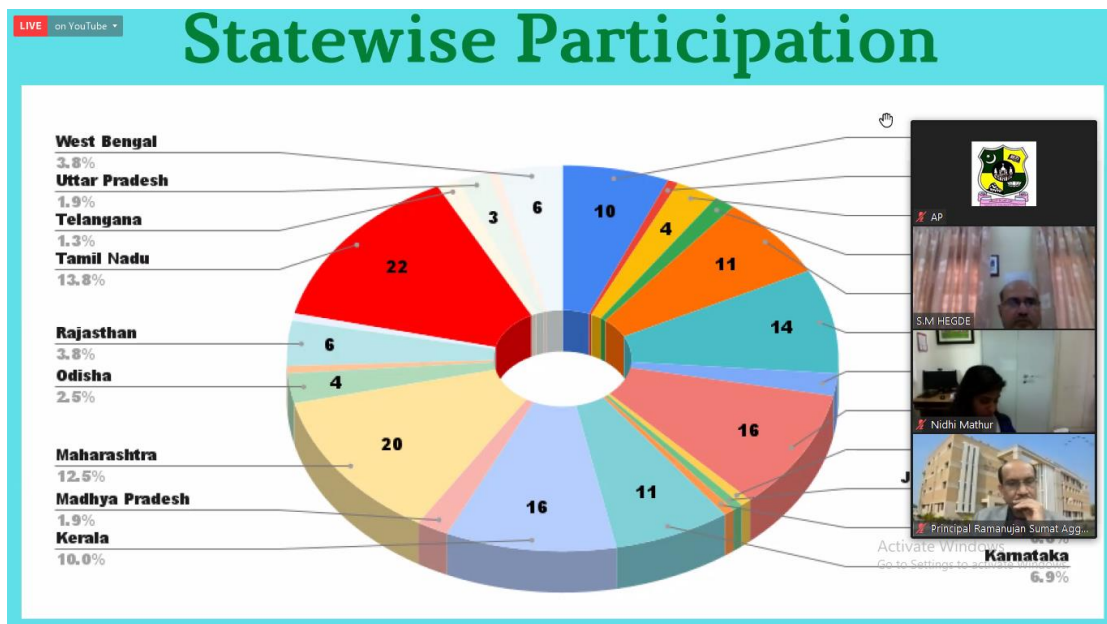
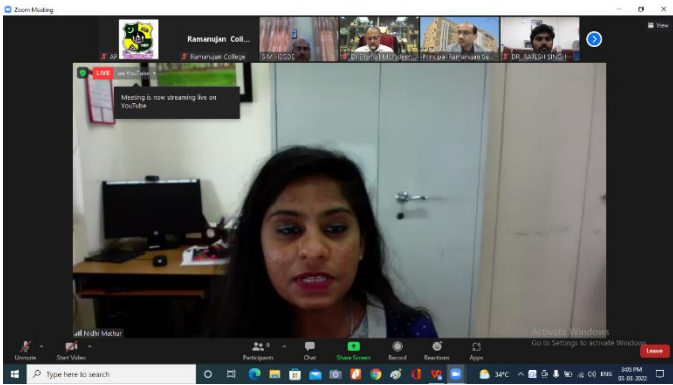
Participants joined via YouTube streaming of the college.

**Highlights of the Faculty Development Programmee**

- 160 participants
- 7 Resource Persons
- 6 Quizzes
- Total Duration: 22 Hours 32 Minutes 17 Seconds.

**Link for the valedictory session:**

<https://youtu.be/CPS08jE-u90>





கணித அறிவியல் நிறுவனம், சென்னை  
தமிழ்நாடு அறிவியல் இயக்கம் - ஜன்ஸ்டன் கல்லூரி மாணவர்கள் கிளை &  
ஜமால் முகமது கல்லூரி

Dr. A.P.J. ABDUL KALAM CLUB (Affiliated to Vignana Prasar Network of Science Clubs) Club ID: VP-TN0056

கணிதத்துறை  
(Under DBT Star College Scheme)

இணைந்து நடத்தும்

பிப்.28 தேசிய அறிவியல் தினத்தை முன்னிட்டு

## அறிவியல் திருவிழா

நாள் : 26.02.2022, சனிக்கிழமை நேரம் : மதியம் 2.00 மணி

இடம் : பி. ஹெச். எம். உயர்நிலைப் பள்ளி, மேலப்புதூர், திருச்சி.

தலைமை : திரு. டி. ஜோசுவா ஜெயக்குமார், பள்ளி தலைமை ஆசிரியர்

முன்னிலை : முனைவர். ஆர். ஜாகீர் உசேன், ஜமால் முகமது கல்லூரி

"அறிவியல் பார்வை ஏன் தேவை"

முனைவர். ந. சத்தியமூர்த்தி

உதவி தலைமை ஆசிரியர்

இ. ஆர். மேல்நிலைப்பள்ளி & மேனாள் மாவட்டத் தலைவர்  
தமிழ்நாடு அறிவியல் இயக்கம், திருச்சிராப்பள்ளி

"கணித செயல்பாடுகள்"

ஜமால் முகமது கல்லூரி கணிதத்துறை மாணவர்கள்

வாழ்த்துரை

முனைவர். து. சுகந்தி டெய்சி ராணி

தலைமை ஆசிரியர்

டி. இ. எல். சி. தொடக்கப்பள்ளி, பொன்மலைப்பட்டி &

ஸ்ரீரங்க கிளை செயற்குழு உறுப்பினர் - TNSF

திருச்சிராப்பள்ளி.

ஒருங்கிணைப்பு : திரு. என். அஸ்ரார் அஹமத்,

கிளை இணைச் செயலாளர், ஜன்ஸ்டன் கல்லூரி மாணவர்கள் கிளை, TNSF.

அனைவரும் வருக !!!



Institute of Mathematical Sciences, Chennai, Tamil Nadu Science Forum - Einstein College Students Branch & Jamal Mohammad College Dr. A.P.J. ABDUL KALAM CLUB (Affiliated to Vigyan Prasar Network of Science Clubs) in association with the Department of Mathematics (Under DBT Star College Scheme) had a Science Festival on the eve of National Science Day on 26.02.2022 held at B.H.M.High School, Trichy.

Mr. D. Joshua Jayakumar, Headmaster of the School accepted the leadership of the event, Dr. R. Jahir Hussain, Jamal Mohamed College took over for the occasion.

This program was led by the topic "Why Scientific Vision Needed". Dr.N.Sathyamoorthy, Assistant Head Master of E. R. Higher Secondary School & Ex. District President of Tamil Nadu Science forum, Tiruchirappalli delivered the Keynote address. Jamal Mohamed College Mathematics UG students explained mathematical functions to the students in a practical approach with experimental modules.

Dr.T. Sukanti Daisy Rani, Head Master of T. E. L. C. Elementary School, Ponmalaipatti & Srirangam Branch Executive Committee Member - TNSF, Tiruchirappalli gave greetings to the occasion.










### Certificate of Appreciation

We thank the Staff and Students of Department of Mathematics, Jamal Mohamed College, Trichy for Conducting Special Lecture and Activity Based Mathematics Learning on 26.02.2022 under DBT Star College Scheme in view of the National Science Day Celebrations 2022. Our school students from ~~VIII~~ <sup>IX</sup> Standard attended this programme. ~~110~~ students are benefitted through this offline programme.



  
HEAD MASTER  
**HEADMASTER**  
B.H.M. High School,  
Tranquebar House, Trichy-1.

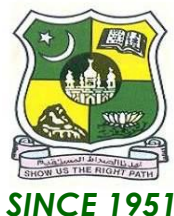
To

The Head

Department of Mathematics

Jamal Mohamed College

Trichy-20



**JAMAL MOHAMED COLLEGE (Autonomous)**  
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DBT Star College Scheme & DST-FIST Funded  
(Affiliated to Bharathidasan University)  
**TIRUCHIRAPPALLI – 620 020.**



## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**



cordially invite you all to celebrate

**National Science Day**

**&**



**Special Lecture on**  
**Computations of Molecular Descriptors**

**(Under the aegis of DBT Star College Scheme)**

### **Resource Person**

Dr. Sr. S. Kulandai Therese  
Assistant Professor in Mathematics &  
Deputy Principal  
St. Mary's College  
Thoothukudi

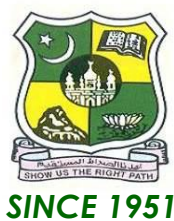
*Date: 28.02.2022*

*Time: 11.00 a.m.*

*Mode: Blended*

Target Audience: Mathematics & Chemistry Students

**ALL ARE INVITED**



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**TIRUCHIRAPPALLI – 620 020.**



## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**

cordially invite you all to celebrate

**National Science Day**

**&**



**Special Lecture on**

**Challenges in Computations of Molecular Descriptors**

**(Under the aegis of DBT Star College Scheme)**

### **Resource Person**

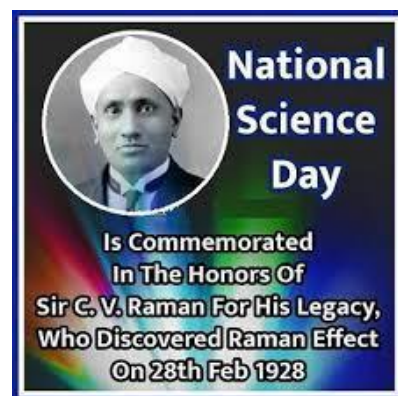
Dr. S.Prabhu  
Associate Professor of Mathematics  
Rajalakshmi Engineering College  
Chennai

*Date: 28.02.2022*

*Time: 12.00 noon.*

*Mode: Blended*

*Target Audience: Mathematics & Chemistry Students*

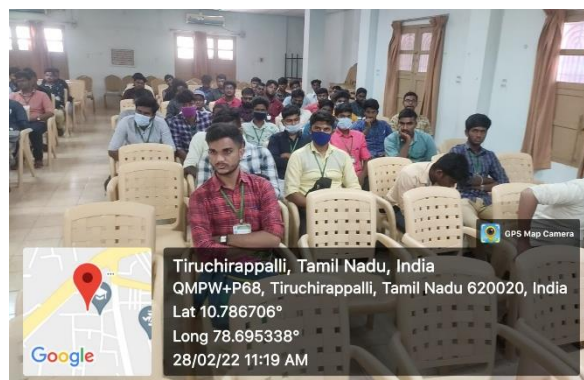
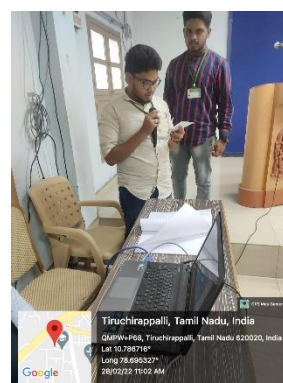
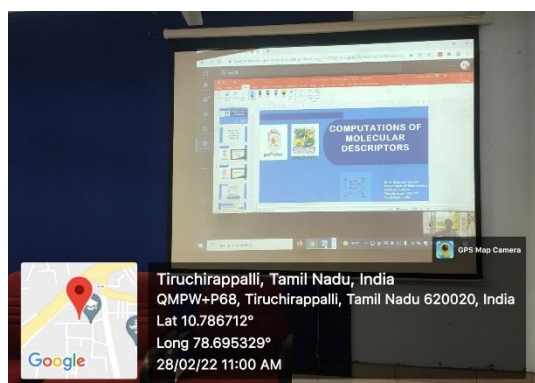


**ALL ARE INVITED**



Under the aegis of DBT Star College Scheme a Special Lecture was organized by PG and Research Department of Mathematics for the benefit of students of Mathematics, and Chemistry on 28.02.2022 in view of National Science Day.

Dr. Sr. S. Kulandai Therese, Assistant Professor in Mathematics & Deputy Principal St. Mary's College, Thoothukudi delivered a lecture on Computations of Molecular Descriptors and Dr. S.Prabhu, Associate Professor of Mathematics Rajalakshmi Engineering College, Chennai delivered a lecture on Challenges in Computations of Molecular Descriptors. 33 students benefitted from this blended mode programme.





75  
Azadi Ka  
Amrit Mahotsav



=====

**கணித அறிவியல் நிறுவனம், சென்னை**  
**தமிழ்நாடு அறிவியல் இயக்கம் - ஜன்ஸ்டன் கல்லூரி மாணவர்கள் கிளை &**  
**ஜமால் முகமது கல்லூரி**

Dr. A.P.J. ABDUL KALAM CLUB (Affiliated to Vigyan Prasara Network of Science Clubs) Club ID: VP-TN0056

**கணிதத்துறை**  
**(Under DBT Star College Scheme)**  
**இணைந்து நடத்தும்**

**பிப்.28 தேசிய அறிவியல் தினத்தை முன்னிட்டு**

## **அறிவியல் திருவிழா**

**நாள்** : 28.02.2022

**நேரம்** : மதியம் 2.00 மணி

**இடம்** : மாநகராட்சி தொடக்கப்பள்ளி, காமராஜ் நகர், விமான நிலையம், திருச்சி - 7

**தலைமை** : திருமிகு. பெ. மணிமேகலை, தலைமை ஆசிரியர்

**முன்னிலை** : முனைவர். ஆர். ஜாகீர் உசேன், ஜமால் முகமது கல்லூரி

**"அறிவியல் அறிவோம் "**

**முனைவர். தாமோதரன்**

உதவிப் பேராசிரியர்

கணிதத்துறை

ஜமால் முகமது கல்லூரி

திருச்சிராப்பள்ளி

**"கணித செயல்பாடுகள்"**

**ஜமால் முகமது கல்லூரி கணிதத்துறை மாணவர்கள்**

**நன்றியுரை**

**திருமிகு. வி. பிரமிளா கிறிஸ்டினா,**

**இடைநிலை ஆசிரியர்.**

**அனைவரும் வருக !!!**







Institute of Mathematical Sciences, Chennai, Tamil Nadu Science Forum-Einstein College Students Branch & Jamal Mohamed College Dr. A.P.J. ABDUL KALAM CLUB (Affiliated to Vigyan Prasar Network of Science Clubs) in association with the Department of Mathematics (Under DBT Star College Scheme) had a Science Festival on the eve of National Science Day on 28.02.2022 held at Corporation Middle School, Kamaraj Nagar, Airport, Trichy.

Jamal Mohammad College Mathematics Students explained mathematical functions to the students in a practical approach with experimental models.

Mrs.V.Pramila Christina, School Teacher proposed the vote of thanks for this occasion.

### Certificate of Appreciation

We thank the Staff and Students of Department of Mathematics, Jamal Mohamed College, Trichy for Conducting Special Lecture and Activity Based Mathematics Learning on 28.02.2022 under DBT Star College Scheme in view of the National Science Day Celebrations 2022. Our school students from IV, V Standard attended this programme. 65.. students are benefitted through this offline programme.

A. Annu (IC)  
HEAD MASTER 28/2/22  
Corporation Primary School  
Kamaraj Nagar, Sembattu

To

The Head

Department of Mathematics

Jamal Mohamed College

Trichy-20

Institute of Mathematical Sciences, Chennai, Tamil Nadu Science Forum-Einstein College Students Branch & Jamal Mohamed College Dr. A.P.J. ABDUL KALAM CLUB (Affiliated to Vigyan Prasar Network of Science Clubs) in association with the Department of Mathematics (Under DBT Star College Scheme) had a Science Festival on the eve of National Science Day on 28.02.2022 held at Corporation High School, Kamaraj Nagar, Airport, Trichy.

Dr. R. Jahir Hussain, Jamal Mohammad College took over for the occasion. This program was led by the topic of "Why Scientific Vision Needed". Dr.D. Dhamodharan, Assistant Professor of Mathematics, Jamal Mohamed College, Tiruchirappalli delivered the keynote address. Jamal Mohammad College Mathematics Students explained mathematical functions to the students in a practical approach with experimental models.





### Certificate of Appreciation

We thank the Staff and Students of Department of Mathematics, Jamal Mohamed College, Trichy for Conducting Special Lecture and Activity Based Mathematics Learning on 28.02.2022 under DBT Star College Scheme in view of the National Science Day Celebrations 2022. Our school students from 9<sup>th</sup> to 10<sup>th</sup> Standard attended this programme. 42... students are benefitted through this offline programme.

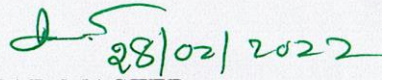
To

The Head

Department of Mathematics

Jamal Mohamed College

Trichy-20

  
28/02/2022  
HEAD MASTER  
தலைமையாசிரியை  
மாநகராட்சி உயர்நிலைப்பள்ளி  
காமராஜ் நகர், ஏன்போர்ட்  
திருச்சி-7



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TIRUCHIRAPPALLI – 620 020



## PG & RESEARCH DEPARTMENT OF MATHEMATICS

welcomes you all to attend

### Special Lecture on



### Cyber Security- the need of the hour-

### What is it for the common people?

(Under the aegis of DBT Star College Scheme)

at 9.30 a.m. on 02.03.2022

#### Special Address

: **Dr. G.Padmavathi**

Professor

Department of Computer Science

Dean, School of Physical Sciences & Computational Sciences

Avinashilingam Institute for Home Science and Higher

Education for Women

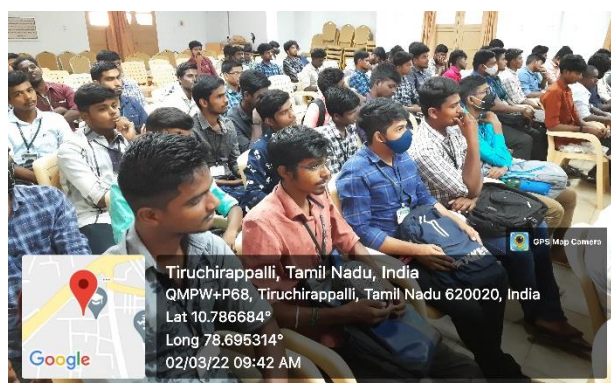
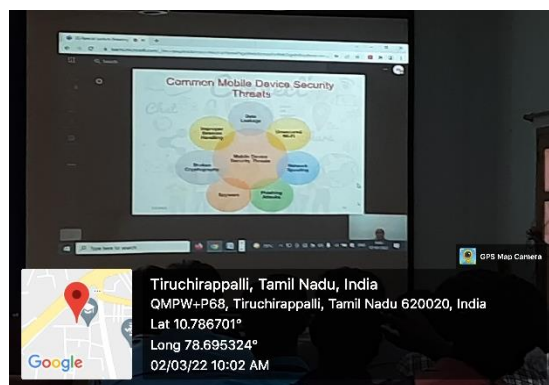
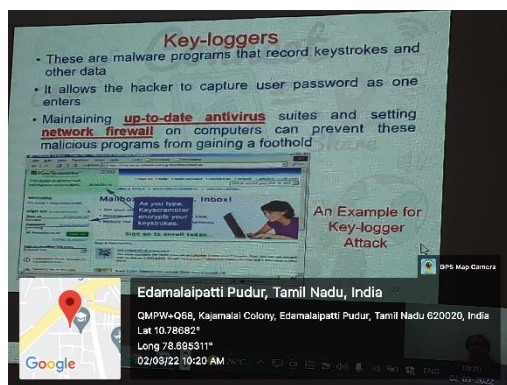
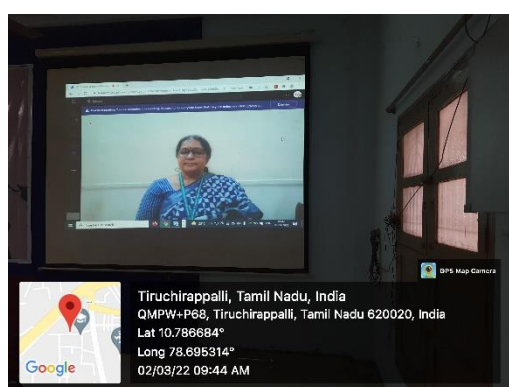
Coimbatore-641 043

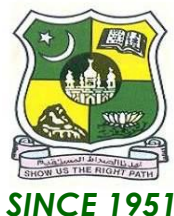
Target Audience : UG Students (All DBT Departments)

Venue: Blended



Under the aegis of DBT Star College Scheme a Special Lecture on Cyber Security- the need of the hour- What is it for the common people? was organized by PG and Research Department of Mathematics for the benefit of students of Mathematics, Botany and Chemistry on 02.03.2022. Dr. G.Padmavathi, Professor, Department of Computer Science, Dean, School of Physical Sciences & Computational Sciences Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore was the Resource Person of the Programme. 92 students benefitted out of this offline programme.





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**TIRUCHIRAPPALLI – 620 020.**



## **PG & RESEARCH DEPARTMENT OF MATHEMATICS**



cordially invite you all to celebrate

**International Day of Mathematics “PI” ( $\pi$ ) Day**

**&**

**Special Lecture on Carnal Mantras of Data Science**

**(Under the aegis of DBT Star College Scheme)**

at 10.30 a.m. on 14.03.2022

**Special Address**

**: Dr. Felix Bast**  
Professor and Head  
Department of Botany  
Central University of Punjab  
Ghudda, Bathinda, 151401  
Punjab, India



Target Audience : UG Students (Mathematics & Botany)

Venue : Husianudeen Hall

Venue: Blended