



GOVERNMENT DEGREE COLLEGE FOR MEN
SRIKAKULAM-532001.
(NAAC Accredited with 'B++' Grade (2.90 CGPA)
(Affiliated to Dr.B.R.Ambedkar University, Srikakulam)



DEPARTMENT OF MATHEMATICS

**REPORT ON
SEMINOR ON
"RECENT TRANDS TO MATHEMATICS
DATE: 16.09.2022.**

MATHS CLUB(2022-2023)

&

UNDER COLLABORATIVE ACTIVITY

BY

Smt. G. Vasanthi

Asst.Professor in Mathematics

AITAM ENGINEERING COLLEGE, TEKKALI

DATE: 16.09.2022

TIME: 2.30 PM to 5 PM.

TOPIC: "RECENT TRANDS TO MATHEMATICS"

VENUE: GOVT. DEGREE COLLEGE FOR MEN. ROOM NO: 11

No. of Students attended = 60

No. of Teaching Staff attended = 03



Government Degree College (M), Srikakulam



DEPARTMENT OF MATHEMATICS Minutes of the meeting

Department of mathematics meeting was organized on 12-09-2022 at Department under the chairpersonship of in charge to discuss the following agenda.

Agenda:

1. Introduction and Planning
2. Logistics and Technical Requirements
3. Promotion and Communication

After a brief discussion on the agenda the following resolutions have been passed by the committee.

1. To seek permission from the principal to organize on 16-09-2022. Room no 24 at GDC(MEN)
2. To prepare a circular and circulate it among all the classes.
3. To invite Dr. G. Vasanthi as the chief guest.

Signatures:-

1)

2)

3)

PRINCIPAL
Govt Degree College (M) SRIKAKULAM

Request Letter

From

Department of Mathematics,
Govt. Degree College (Men),
Srikakulam.

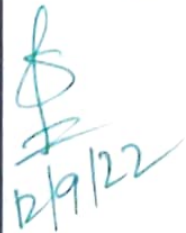
To

The principal,
Govt. Degree College (Men),
Srikakulam.

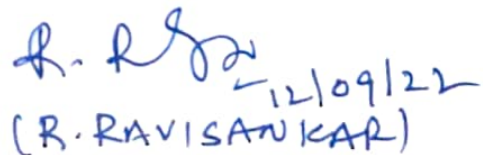
Madam,

The Department of Mathematics in its meeting held on 12-09-22 at Mathematics department passed a resolution to conduct Guest Lecture. Hence, we request you to kindly grant the permission to organize the programme.

Thanking you Madam,


12/9/22

Yours Sincerely,


12/09/22
(R. RAVISANUKAR)

INVITATION LETTER

To

The principal

AITAM Engineering College, Tekkali

Srikakulam.

Respected sir,

**Sub: - GDC(MEN), Srikakulam-Department of Mathematics-Guest Lecture-
Resource person from your college-Request-Reg.**

The Department of Mathematics of our college to conduct a Guest Lecture on 16-09-2022 for III-B.Sc. Mathematics students of our college. In this connection, I request you to kindly spare the service of Dr. G. Vasanthi, Associate Professor in Mathematics of AITAM Engineering College -Tekkali to deliver a Guest Lecture on "Recent Trends To Mathematics" and enlighten the students of our college. This is submitted for your kind consideration and necessary action.

Thanking you,

Date:

Place :




PRINCIPAL
Govt. Degree College (Men)
SRIKAKULAM

Yours faithfully

*O/o The Principal,
Government Degree College (M),
Srikakulam.*

Circular

This is to inform all the students & staff that the department of Mathematics is conducting a Guest Lecture on 16-09-22 at Room no:24. So, all the students & staff are informed to attend/participate and make the event successful.


Principal
PRINCIPAL
Govt. Degree College (Men)
SRIKAKULAM

Date:

Station: Srikakulam.

Signatures :

- 1) TH ADJ G C E I - 
- 2) TE ADJ G C E I - 
- 3) I ADJ G C E I - 



Government Degree College (M), Srikakulam



**Event Organized Report
2022-23**

Name of Department/ Cell	MATHEMATICS
Name of Event Organized	GUEST LECTURE
Title of the Event	Recent Trends To Mathematics
Date of Event Organized	16-09-2022
Name of the coordinator of the Event	R.Ravisankar
No. of Participant (Student +Staff)	60 +03
Name of the Expert with designation	Dr. G. Vasanthi
Contact number & Address of the Expert	AITAM ENGINEERING COLLEGE, TEKKALI-9440168865
Objective of the Event	Internal Exchanges, Network opportunities, educational outreach, Inspiration & Motivation...etc
Description of the Event	Overall, a Guest Lecture event is an enriching experience that contributes to the intellectual growth of the audience, fosters collaboration, and enhances the reputation of the hosting institution or organization.
Outcome of the Event	The success and impact of a guest lecture event can be measured by various outcomes that reflect the achievement of its objectives. Evaluating these outcomes collectively provides a comprehensive understanding of the guest lecture event's success and its broader impact on the academic or professional community it serves.


Event Coordinator


IQAC Coordinator


Principal
PRINCIPAL
Govt. Degree College
SRIKAKULAM

TOPIC SYNOPSIS

As of my last knowledge update in January 2022, I can provide information on some recent trends in mathematics up to that point. Please note that developments in the field may have occurred since then. Here are a few trends that were notable:

1. Artificial Intelligence and Machine Learning in Mathematics:

There has been a growing intersection between mathematics and artificial intelligence (AI) or machine learning (ML). Mathematicians are increasingly using these tools for solving complex problems, pattern recognition, and data analysis.

2. Topological Data Analysis (TDA):

TDA has gained attention for its applications in analyzing high-dimensional data sets. It uses techniques from algebraic topology to extract meaningful information from data and has been applied in various fields, including biology, neuroscience, and machine learning.

3. Quantum Computing and Quantum Information Theory:

With advancements in quantum computing, mathematicians are exploring new algorithms and mathematical structures that can harness the power of quantum computers. Quantum information theory is becoming an important area of study.

4. Homotopy Type Theory (HoTT):

HoTT is a relatively recent development that connects homotopy theory and type theory. It has applications in computer science, logic, and is seen as a foundation for a new approach to formalizing mathematics.

5. Mathematics of Climate Change:

The application of mathematical models to understand and predict climate change impacts has been an emerging trend. Mathematicians are working on models that integrate various aspects of climate science, from atmospheric dynamics to ocean circulation.

6. Data Science and Applied Mathematics:

The demand for mathematicians in the field of data science has increased. Applied mathematics is playing a crucial role in developing algorithms for data analysis, optimization, and decision-making in various industries.

7. Interdisciplinary Collaboration:

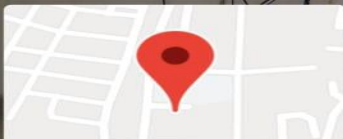
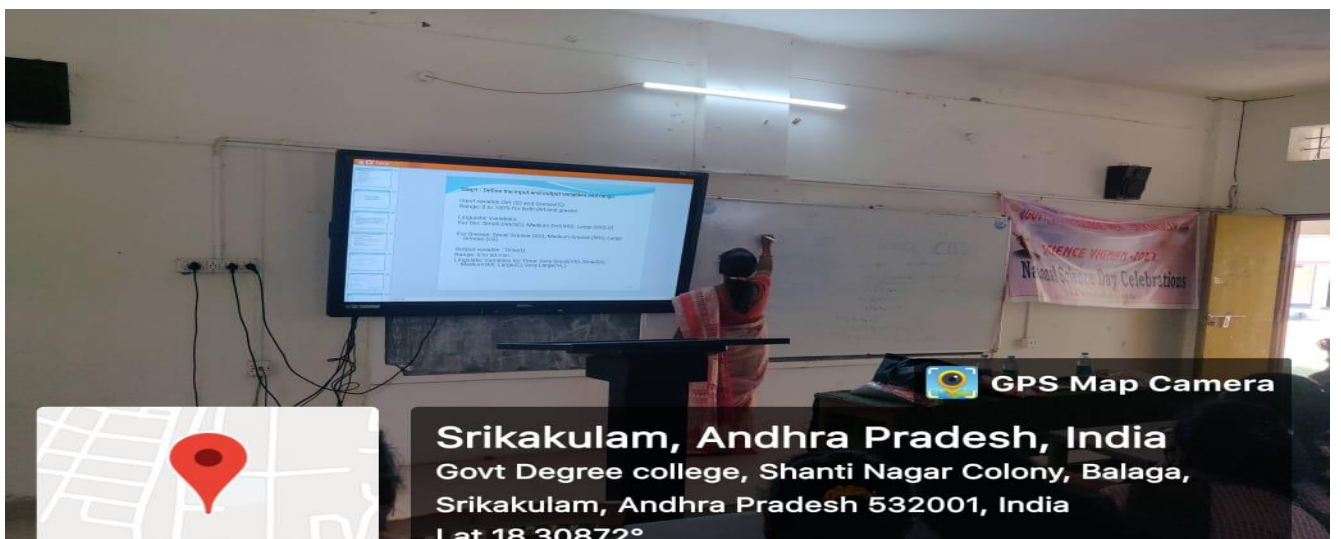
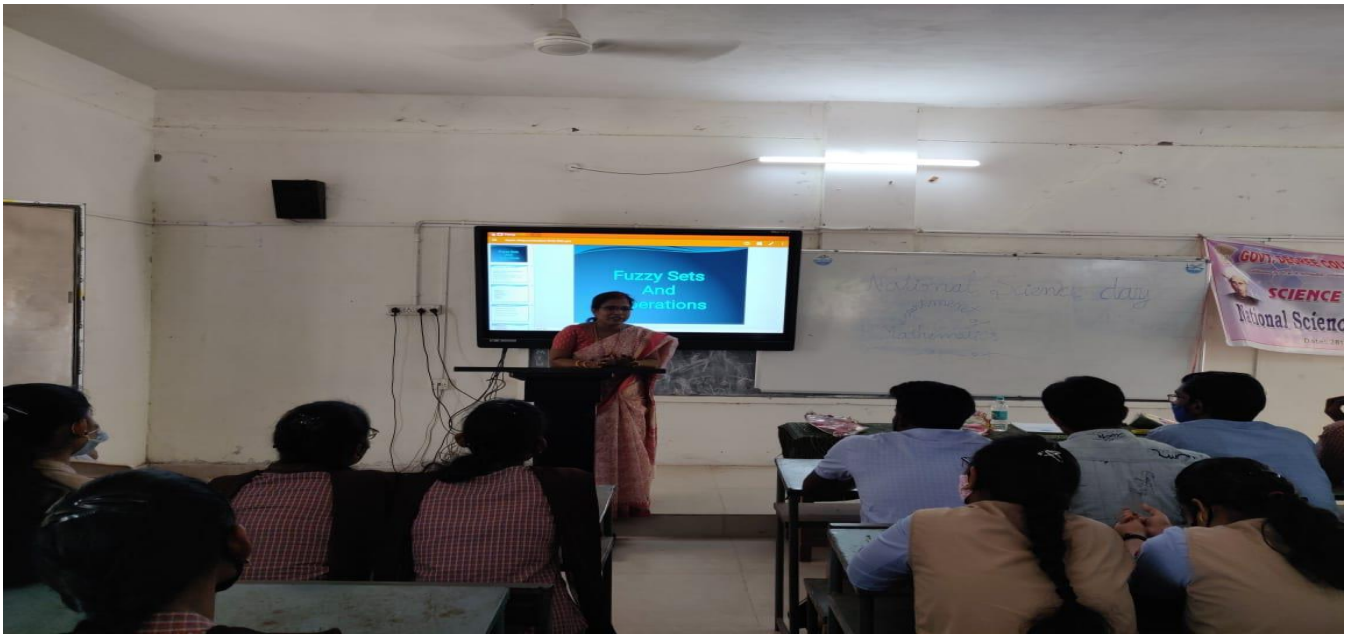
Mathematicians are increasingly collaborating with researchers from other disciplines, such as biology, physics, computer science, and economics, to address complex problems that require a multidisciplinary approach.

8. Open-Source Mathematics Software:

The development and use of open-source mathematical software have become more prevalent. Projects like Sage Math, Julia, and others provide collaborative platforms for mathematicians to work together and share their tools.

Keep in mind that the field of mathematics is vast and continuously evolving. To get the most up-to-date information on recent trends, it's recommended to refer to the latest research publications and conferences in mathematics.

PHOTO GALLERY



Srikakulam, Andhra Pradesh, India
Govt Degree college, Shanti Nagar Colony, Balaga,
Srikakulam, Andhra Pradesh 532001, India
Lat 18.30872°

GPS Map Camera



74
 Original date 15-07-21 to change
 Seminar 16-09-2022
 (Guest Lectures)
 "Math club" Department of Mathematics, ODC (MD)
 Sritakulam conducted a seminar on month of
 January.

Seminar topic :- 1) Recent trends in Mathematics.
 2) How to use Mathematics in daily life.
 3)

President:
Chief Guest:
 HOD :
 Lecturers : 1. Jp
 2. Wp

G. Vasanth
 R. M. S.

Signature of the students

- | | |
|---------------------------|-----------------------------|
| 1. P. Manasa | 31. J. Mohan |
| 2. B. Sirisha | 32. A. Manikanta |
| 3. P. Neeraja | 33. P. Naveen |
| 4. G. Ganisha | 34. B. Sri Chaitanya |
| 5. B. Hanitha | 35. Y. Yaswanth Kumar |
| 6. M. Geetha Dharani | 36. S. Bhanu Prasad |
| 7. S. Dhanu Kumar | 37. Y. Govinda Raju |
| 8. C. Sri Ram | 38. J. Mohan Rao |
| 9. G. Jyotsna | 39. A. Manikanta |
| 10. T. Saikalpam | 40. P. Dhanundaya Rao |
| 11. N. Sandhyarani | 41. Ch. Deltip Dileep Kumar |
| 12. B. Jhansi | 42. P. Sai Kumar |
| 13. Devika Padi | 43. A. Ram Prasad |
| 14. Ch. Sri Rajya Lakshmi | 44. L. Santosh Kumar |
| 15. B. Bhumiika | 45. L. Sai |
| 16. A. Tigmula Rao | 46. P. Mohana Rao |
| 17. G. Rajeswari | 47. M. Sai Virek |
| 18. V. Tharanga | 48. S. Vignha Surya |
| 19. N. Mamatha | 49. K. Yogeswara Rao |
| 20. J. Sravani | 50. T. Soma Sekhar |
| 21. M. Rakshra Kumar | 51. R. Rama Krishna |
| 22. Samchana Raju | 52. L. Dilliswar Rao |
| 23. S. Yashrayya | 53. M. Yogeswar Rao |
| 24. K. Ganesh | 54. G. Eswar Rao |
| 25. N. Neelachalam | 55. G. Mohana Rao |
| 26. M. Sanath Babu | 56. N. Mani |
| 27. G. Sudeep | 57. B. Dinesh |
| 28. U. Sahithi | 58. Ch. L. Bhadaraj |
| 29. P. Vivek | 59. H. Sarika |
| 30. K. Aditya | 60. K. Yamun |



Government Degree College (M), Srikakulam

Feedback



Name of the event	GUEST LECTURE
Department	MATHEMATICS
Date	16-09-2022
Name of student	N. MAMATHA
Class	III-MECS
Mobile no.	8309831490

1. Did the event fulfil it's objectives?

✓ Yes/ No

2. How useful was the event for you? (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
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3. Rate the overall success of the event (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
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4. List the key takeaway points from the events.

New Knowledge and Insights, Practical applications and inspiration and motivation

5. Suggestions if any : promote early and widely

N. Mamatha

Signature of the Student



Government Degree College (M), Srikakulam

Feedback



Name of the event	GUEST LECTURE
Department	MATHEMATICS
Date	16-09-2022
Name of student	M. SARTH BABU
Class	III-MPCS
Mobile no.	8500182485

1. Did the event fulfil its objectives?

✓ Yes/ No

2. How useful was the event for you? (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
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3. Rate the overall success of the event (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
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4. List the key takeaway points from the events.

Institutional or Organizational Values and reflection and application

5. Suggestions if any -NIL-

M. SARTH BABU
Signature of the Student



Government Degree College (M), Srikakulam

Feedback



Name of the event	GUEST LECTURE
Department	MATHEMATICS
Date	16-09-2022
Name of student	L. SAI
Class	III-MPC
Mobile no.	8919326541

1. Did the event fulfil it's objectives?

✓ Yes/ No

2. How useful was the event for you? (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
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3. Rate the overall success of the event (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
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4. List the key takeaway points from the events.

Impact on research or practice, positive feedback, and evolution

5. Suggestions if any: -nil-

L. Sai
Signature of the Student



Government Degree College (M), Srikakulam

Consolidated Feedback



Total no. of Participants = 60

No. of participants from whom feedback is collected = 60

S.No		No. of participants graded "Yes"		No. of participants graded "No"		
1	Did the event fulfil its objectives	60				
2		No. of participants graded - 1	No. of participants graded - 2	No. of participants graded - 3	No. of participants graded - 4	No. of participants graded - 5
3	How useful was the event for you	39	11	8	2	0
4	Rate the overall success of the event	47	9	4		
5	key takeaway points from the event	Continued Learning, Educational and Career Pathways, Increased Awareness of Opportunities and so on.				
6	Suggestions if any	Pre event survey and post event survey and diversity of Topics and so-on,				


Coordinator 16/09/22

Thank you

