Government Degree College (M), Srikakulam
Department of Mathematics
Minutes of the meeting
2022-23

Minutes of the meeting held on Feb 13, 2023, for the certificate course involving the faculty of mathematics show that discussions primarily revolved around curriculum updates, faculty allocations, and strategies for student engagement. The meeting also considered the scheduling of exams and the need for additional resources in the department. An action plan was formulated, with responsible individuals assigned to address the discussed topics, and a follow-up meeting was scheduled for further coordination.

Agenda:

1. To discuss course curriculum.

2. To discuss about Sharing the course schedule, including important dates such as classes, assignments, and assessments.

3. Schedule and Timelines: Sharing the course schedule, including important dates such as classes, assignments, and assessments.

4. To discuss introducing the instructors, teaching assistants, and support staff who will be involved in the course.

5.Explanation of the evaluation methods, grading criteria, and any required assessments.

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

"Resolved, that the certificate course "Solution of Linear Equations with Graphical Method" will be offered to students in the upcoming academic term, starting 13-02-2023 with the following key provisions:

1. The course curriculum, as outlined in the course proposal, is approved, and will be implemented as planned.

2. Faculty members R. Ravisankar, S.Aruna kumari & V.V.Ravikumar are assigned to teach the respective modules and are responsible for course delivery.

3. The course schedule, including class timings and assessment dates, is finalized, and will be communicated to enrolled students.

Signatures: -

1.

2.

3.

From
R. Ravisankar, In charge
Department of Mathematics,
Govt. Degree College (Men),
Srikakulam

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

Subject: Request to Introduce Certificate Course for UG -mathematics Students.

Respected sir,

The Department of Mathematics in its meeting held on 13-02-23 at Department of Mathematics passed a resolution to request the introduction of a certificate course for students at Govt. Degree College (M)-Srikakulam. This course will provide valuable additional skills and opportunities, enhancing our students' academic and career prospects. Your consideration of this request is greatly appreciated.

Thanking you Madam,

Yours Sincerely,

Lecturer in charge
Dept. of Mathamatics
Govt. Degree College (Men)
SRIKAKULAM

Circular

We are excited to announce a new Certificate Course that will provide you with an opportunity to enhance your skills and knowledge in **GRAPHICAL METHOD TO SOLUTION OF EQUATIONS.** This course has been designed to help you gain valuable expertise in Mathematics and boost your career prospects.

Course Details:

Course Name: **GRAPHICAL METHOD TO SOLUTION OF EQUATIONS**
Course Duration: 17-02-2023 to 28-03-2023 (30 days)
Timings: Every day of the week (except for the national holidays/festivals). Final examination will be conducted on 31/03/2023. (Friday). The class timings will be 4.30 – 5.30 hours IST (except for the day of the final examination).
Location: Room no :24
Course Fee: Nil
Eligibility: Mathematics Final year Students only

R. R̅ – III ADJ

– III CE I

– I ADJ

– II ADJ

Principal
PRINCIPAL I/C
Govt. Degree College (Men)
SRIKAKULAM

CERTIFICATE COURSE BROCHURE 2022-23

GRAPHICAL METHOD TO SOLUTION OF EQUATIONS

Offered by

Department of Mathematics, Govt. Degree College (Men), Srikakulam About the Course: Graph a system of two linear equations. Graph a system of two linear inequalities. Evaluate ordered pairs as solutions to systems. Determine whether an ordered pair is a solution to a system of linear equations. Determine whether an ordered pair is a solution to a system of linear inequalities. Classify solutions to systems. Identify what type of solution a system will have based on its graph. The instructor ensures to cover the concepts in depth along with numerous examples to showcase the usage and solution of linear and nonlinear inequality.

Number of Credits: Nil   **Mode of Teaching:** **Offline**

Course Contents: Basics & some algebraic expressions with graphs. inequalities & applications of inequalities with graphs. understanding basic polynomial graphs. exponential & logarithmic functions with graphs.

References: 1. Linear and Nonlinear Systems of Equations by **Alex Joujan.**
2.Elementry Equations by **L.Marecek & M.A.A.Smit.**

Eligibility Criteria: B.sc Final year Maths students only.   **Fee Structure: NIL**
Important Dates

- Registration start date: 13/02/2023
- Last date for registration: 17/02/2023
- Commencement of classes: 17/02/2023
- Last class work: 28/03/2023
- Date of final examination: 31/03/2023

Paper Code: GCMMATCC04

Admission Procedure: Interested participants can complete the registration process through the following registration forms for the above course is available at the department of Mathematics. Admission process for this course is on first-come-first- serve basis and the last date for registration to the courses 02/02/2023 (Thursday).

Class Duration: Classes will be held for every week starting from 17/02/2023. (except for the national holidays/festivals). Final examination will be conducted on 31/03/2023. (Friday). The class timings will be 4.30 – 5.30 hours IST (except for the day of the final examination).

Assessment: Assessment will be based on completion of assignments and performance in the test conducted at the end of the course. The participant must obtain at least 50% in the test to avail the course completion certificate.

Course Coordinator
Mr. R.Ravisankar,
Lecturer in Charge,
Department of mathematics

GOVT.DEGREE COLLEGE (MEN)-SRIKAKULAM

CERTIFICATE COURSE SYLLABUS

GRAPHICAL METHOD TO SOLUTION OF EQUATIONS

Hours-30

CHAPTER-1

BASICS & SOME ALGEBRIC EXPRESSIONS WITH GRAPHS   **(6 hours)**

Number systems, operators of mathematics, Graphing rational numbers on a Line, countable and uncountable. Algebraic expressions, Linear equations, intercepts, standard form and Graphing and slope of the line. Graphing undefined slope, Zero slope and more. Solving equations with infinite solutions or no solutions.

CHAPTER-2

INEQUALITIES & APPLICATIONS OF INEQUALITIES WITH GRAPHS   **(10 hours)**

One and Two variable inequalities. Compound Inequalities and systems of inequalities. The absolute value inequalities, Definitions & examples. Solving absolute value inequalities by using Graphical method. Definition of quadratic equations and applications. Graphing a system of Quadratic inequalities with example & Process. Standard form of Parabola, Hyperbola, Ellipse with graphs.

CHAPTER-3

UNDERSTANDING BASIC POLYNOMIAL GRAPHS   **(8 hours)**

Basic transformations of polynomial Graphs. Solving Non-Linear system of Equations. Compare Properties of Functions algebraically, Graphically and also numerically. Definition of a Function and types of a Functions and examples. Range and Domain. Inverse Functions, Identify the Range & Domain with Graphs. Even and Odd Functions. Trigonometry functions with graphs.

CHAPTER-4

EXPONENTIAL & LOGARITHMIC FUNCTIONS WITH GRAPHS   **(6 hours)**

Define Piecewise Functions. Domain and Range of Piecewise Functions. Graphing piecewise function. Exponential & Logarithmic functions with Graphs. Continuous Functions & Discontinuous Functions with Graphs.

REFERENCES:

1. Linear and Nonlinear Systems of Equations by **Alex Joujan.**
2. Elementry Equations by **L.Marecek & M.A.A.Smit.**

MODEL PAPER FOR CERTIFICATE COURSE
DEPARTMENT OF MATHEMATICS
COURSE CODE: GCMMATCC04
(GRAPHICAL METHOD TO SOLUTION OF EQUATIONS)

MAX.MARKS:75   **TIME: 03** HOURS

SECTION –I

Note: Answer any five of the following   5x5=25marks

(Eight questions from all the five units of the syllabus.)

1.
2.
3.
4.
5.
6.
7.
8.

SECTION –II

Answer all the five questions. Each Question carry 10 marks.   5x10=50 marks

9. (a)

   or

  (b)

10. (a)

   or

   (b)

11. (a)

   or

   (b)

12. (a)

   or

   (b)

13. (a)

   or

   (b)

GOVT.DEGREE COLLEGE (MEN)-SRIKAKULAM
CERTIFICATE COURSE EXAM PAPER
(Graphical Method to Solution of Equation)

MAX.MARKS:75   (2022-23)   TIME: 3 Hrs

SECTION –I
Note: Answer any five of the following   5x5=25 marks

1. Explain Graphical Method?
2. Draw the Graph of $y = x^2$?
3. Find the common points of $y = x^2$ and $y = x^3$?
4. Definition of quadratic equations and explain it?
5. Draw the graph of Ellipse?
6. Draw the graph of $y = e^x$?
7. Draw the Graph of $y = Tanx$?
8. Define Continuity and Discontinuity function?

SECTION –II
Answer all the five questions. Each Question carry 10 marks.   5x10=50 marks

9. (a) Find the Solution of the equations $y = ax^2$ and $y = x$ with graphical method?

(or)

   (b) Draw the Graph of $y = c^x$ where c is the constant?

10. (a) Explain how to solve the absolute inequalities by using Graphical method.

(or)

   (b) Explain Graphing a system of Quadratic inequalities with example & Process.

11. (a) Draw the Graph of $y = log\ x$?

(or)

   (b) Draw the Graph of $y = sin^{-1} x$

12. (a) Solve the inequalities $y \leq x^2 - 2x + 3$ and $y \geq x^2$ with graphical method.

(or)

   (b) Compare Properties of Functions algebraically, Graphically and also numerically

13. (a) Definition of a Function and types of a Functions and examples. Range and Domain.

(or)

   (b) Define Discontinuous Functions with Example.

STUDENTS ENROLLMENT OF CERTIFICATE COURSE 2022-23

32

S.NO	Name of the student	Group	Hall Ticket No	Signature
1	V. Hymavathi	M.P.C	2022001052028	V. Hymavathi
2.	V. Rajitha	MPCS	2022001050050	V. Rajitha
3.	V. Bharathi	MECS	2022001051051	V.Bf.
4.	S. Kavitha.	MECS	2022001051045	Kav.
5	K. Dilli Rao	MECS	2022001051026	K. Dilli Rao
6.	S. Mahendra	MPCS	2022001050045	S. Mahendra
7.	M. Saikiran	McIC	2022001566035	M. Saikiran
8.	G. Krishna Murty	McIC	2022001566023	G. Krishna murty
9.	B. Dillesh	McIC	2022001566005	B. Dillesh.
10.	K. Lavanya	MES	2022001051023	K. Lavanya.
11.	M. L. K. Bhuktha	MPCS	2022001050028	M.L.K. Bhukth
12.	K. Gunalaxmi	MPCS	2022001050023	K. Gunalaxmi
13.	Ch. Vasavi	MECS	2022001051011	Ch. Vasavi
14.	P. Pavani	MECS	2022001051039	P. Pavani
15.	R. Vimala	MECS	2022001051041	R. Vimala
16.	G. Gayathri	MPCS	2022001050014	Gayathri
17.	B. Ramya sri	MECS	2022001051006	Ramya
18.	K. vindhya	MPCS	2022001050026	K. vindhya
19.	K. Gayathri	MPCS	2022001050021	K. Gaff
20.	P. Amrutha	MPCs	2022001050038	A
21.	S. Bharathi	MPCS	2022001050048	AB
22.	P. Lakshmi	MPCs	2022001050035	P. Lakshmi
23.	Ch. Kiranthi kumar	mpcs	2022001050008	Ch. Qu.
24.	K. Dinesh.	MPCS	2022001050025	KPe
25.	J. Meghana	MPE	2022001053007	J. Meghana.
26	P. Sireesha	MPE	2022001053031	P. Sireesha.
27.	T. Divya	MPCS	2022001050049	Divya
28.	M. priyanka	M.P.E	2022001053024	M.priyanka
29	P. Saipurusham	MPCS	2022001050035	P. Sai
30	M. Mahesh Babu	MPCS	50030	M. MH
31	A. Rajesh kumar	MPCS	2022001050002	A. Rajkumar

S.No	Name of the Student	Group	Hall ticket no	Signature
32	M. Chaithanya	MPE	2022001053022	M. Chaithanya
33	K. Thavita Raju	MPE	12	K. Thavita Raju
34	B. Ravi Kumar	MPE	01	B. Ravi Kumar
35	K. Janardhna Rao	MPE	13	K. Jan—
36	K. Divakar	MPE	09	K. Divakar
37	K. Sivaji	MPE	10	K. Sivaji
38	D. Kalyan kumar	MPE	06	D. Kalyan
39	B. Bhargavi	MPE	03	B. Bhargavi
40	ch. Adinarayana	MPE	04	Ch. Adinarayan
41	ch. Gurunath	PPE	05	ch. Gurunath
42	J. Meghana	MPE	07	J. Meghana
43	K. Kalyan	MPE	14	K. Kalyan
44	S. Pavani	MPE	42	S. pavy
45	Y. Jhyothi	MPE	48	Y. Jhyothi
46	S. Rajesh	MPE	43	S. Rajesh
47	V. Sruthi Bharathi	MPE	46	V. sruthi charhth
48	M. Preeyanka	MPE	24	M. Preyanka
49	M. Anil kumar	MPE	27	M. Anil kum
50	P. Venkatesh	MPE.	33	P. Venkatesh
~~51~~	~~K. Dorra~~	~~MPE~~		
51	P. LAKSHMANA RAO	MPE	32	Lakshmanarao

STUDENT ATTENDENCE OF CERTIFICATE COURSE (2022-23)

ATTENDANCE REGISTER FOR THE MONTH OF Feb 2023 20

No.	NAME	Designation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Working Days	Days Present	Days absent	Leave Taken	Remarks
1	V. Hymavathi		P	P	a	P	P	P	a	P	P	P	a	P	P	P	a	P	P	P	a	P	P	a	P	P	P	a										
2	V. Rajitha		P	P	a	P	a	P	P	P	a	a	P	a	a	a	P	P	P	a	P	P	a	P	P	a	P	P	P									
3	V. Bharathi		P	P	P	a	P	P	P	P	a	a	P	P	P	P	P	P	P	P	P	P	a	P	a	P	P	P	P	a								
4	S. Kavitha		P	P	P	P	a	P	P	P	P	P	a	P	a	P	a	P	a	P	a	P	a	P	P	P	a	P	P	P	a	P						
★5	K. Dilli Rao		P	P	P	P	P	a	P	P	P	a	P	a	P	P	a	P	P	a	P	P	P	a	P	P	a	P	P	a	P	P						
6	G. Mahendra		P	P	a	a	P	P	P	P	P	a	P	a	P	a	P	P	P	a	P	P	P	P	a	a	a	a	P	a	P	P	P					
7	M. Sai Kiran		P	P	P	P	P	P	a	P	a	P	P	a	P	P	P	P	a	P	P	P	P	P	P	a	P	P	P	a	P	P	a					
8	G. Krishna murthy		P	a	P	P	P	P	a	P	P	P	P	a	P	P	a	P	a	P	P	P	a	a	a	P	a	P	a	P	P							
9	B. Mllesh		P	P	a	a	P	P	P	P	P	P	a	P	P	a	P	P	P	a	P	a	P	P	a	P	a	P	P	a	a	P	P					
10	M.L.k. Bhuktha		P	P	a	P	P	P	P	P	P	P	P	a	P	a	P	a	a	P	a	P	P	P	a	P	P	P	P	a								
11	K. Lavanya		P	P	P	a	P	P	P	P	P	P	P	P	a	P	P	P	P	a	P	P	P	P	a	a	a	a	P	P								
12	K. Guna Laxmi		P	P	a	P	a	P	a	P	P	P	P	P	a	P	P	P	P	a	P	a	a	P	a	P	a	P	a	P								
13	Ch. Vasavi		P	P	P	a	P	P	a	a	P	a	a	P	a	P	a	P	a	P	P	P	P	P	P	a	P	a										
14	P. Pavani		P	a	a	P	P	a	P	P	P	P	a	P	P	a	P	P	a	P	P	P	P	P	P	P	a	a	P									
15	R. Vimala		P	a	P	P	a	P	P	a	P	u	P	P	P	P	a	P	P	P	P	a	P	a	P	P	a	a	P	P								
16	G. Gayathri		P	a	P	P	P	P	a	P	a	P	P	a	a	P	a	P	P	P	a	P	P	P	P	P	P	a	a	a								
17	B. Ramya Sri		P	P	a	P	P	a	P	a	P	P	P	a	a	a	P	a	P	P	P	P	a	P	P	P	P	P	P									
18	K. Vindhya		P	P	P	P	a	a	P	P	a	P	P	P	a	P	P	P	P	a	a	a	P	a	P	P	a	P	P	P								
19	K. Gayathri		P	P	P	a	P	P	a	P	P	P	a	a	P	P	a	P	a	P	P	P	P	P	P	P	P	P	P	P								
20	D. Amrutha		P	a	P	P	a	P	P	a	a	P	a	P	a	P	P	P	P	P	a	P	a	P	P	a	P	P	P	a								
21	S. Bharathi		P	P	P	P	a	P	P	P	P	a	P	P	a	P	P	a	a	a	P	P	P	a	a	P	P	P	a	P								
22	P. Lakshmi		P	P	a	P	P	P	P	P	P	P	P	P	u	a	P	P	P	a	a	P	P	P	P	P	P	P	a	P								
23	Ch. Kranthi kumar		P	P	P	P	P	a	P	P	a	P	P	a	P	a	P	P	a	P	P	P	a	a	a	P	a	P	P	a								
24	K. Dinesh		P	P	a	a	P	P	P	P	P	P	a	a	P	P	a	P	P	P	a	P	P	a	a	P	P	P	P									
25	J. Meghana		P	P	a	P	P	P	a	P	a	P	P	P	P	a	P	P	P	a	P	P	P	P	P	P	P	P	P									
26	P. Sireesha		P	P	P	P	P	a	P	a	P	P	P	a	a	P	a	P	P	P	P	a	P	P	P	P	P	P	a	P								
27	T. Divya		P	P	a	P	P	a	P	P	a	P	P	a	P	a	P	P	P	P	a	P	a	a	P	P	P	P	P	a								
28	M. Priyanka		P	P	P	a	P	P	P	a	P	P	P	a	P	a	P	P	a	P	P	P	P	P	P	P	P	P	P	a								
29	P. Sai Neetham		P	P	P	P	a	a	P	P	P	P	P	P	P	P	P	P	a	P	P	P	P	P	a	P	P	P	P									
30	M. Mahesh Babu		P	a	P	P	P	a	P	a	P	a	P	a	P	a	P	P	P	a	P	a	a	P	P	P	P	P	a	P								
31	A. Rajesh kumar		P	a	P	P	P	a	P	P	a	P	P	a	P	a	P	P	a	P	a	a	P	P	P	a	a	a	P									
32	M. Chaitnya		P	P	a	P	P	P	P	P	P	P	P	P	P	a	P	P	P	P	a	P	P	a	P	P	a	a	P									
33	K. Thavith Raju		P	P	a	P	P	a	P	a	P	a	a	P	P	a	a	P	P	P	P	P	a	P	P	P	P	a	P	P	P							
34	B. Ravi kumar		P	a	P	P	P	a	P	P	P	P	a	a	P	P	P	a	P	P	P	P	P	a	a	a	P	P	P	a	P							
★35	K. Janardhana Rao		P	a	P	a	P	P	P	a	P	P	P	P	a	P	P	P	P	P	P	P	P	P	a	P	P	a	P	a	a	P						
★	K. Sivakar		P	P	P	a	P	P	P	a	a	P	P	P	a	a	P	P	P	P	P	P	a	a	P	a	a	P	a	a	P							

ATTENDANCE REGISTER FOR THE MONTH OF 20

No.	NAME	Designation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Working Days	Days Present	Days absent	Leave Taken	Rem
37	K. Sivaji		P	P	P	a	a	P	P	P	P	P	P	P	P	a	a	P	P	P	a	P	P	P	a	P	P	P	a	P	P								
38	D. Kalyan kumar		P	P	P	P	a	a	P	a	a	P	P	P	a	P	a	a	P	P	a	P	P	P	P	P	P	P	a	P	P								
39	B. Bhargavi		P	P	a	P	P	P	P	a	P	a	P	P	P	P	a	P	P	P	a	P	P	a	a	a	P	a	P	P	P								
40	Ch. Adinnayana		P	P	P	P	a	P	P	a	P	P	P	P	a	P	a	P	P	P	P	a	P	P	P	a	a	P	P	a									
41	Ch. Gurunth		P	a	a	P	P	P	a	P	P	P	P	P	a	P	P	a	P	P	P	a	P	P	P	P	P	P	a	P	P								
42	J. Meghana		P	P	P	P	a	P	a	P	P	P	a	P	P	a	P	P	P	P	a	P	P	P	a	P	a	P	P	P	P								
43	K. Kalyan		P	P	a	P	a	P	P	P	P	a	P	P	P	P	P	a	P	P	P	P	a	P	P	P	P	P	P	P	P								
44	S. Pavani		a	P	P	P	P	P	P	P	P	P	P	P	a	P	P	P	P	P	P	a	a	a	P	P	a	a	P	P									
45	Y. Jhyathi		P	a	P	P	P	P	a	P	P	P	P	P	P	a	P	P	P	a	P	P	P	a	P	P	P	P	P	P	P								
47	S. Rajesh		P	a	P	P	a	P	P	P	P	a	a	P	P	a	P	a	a	a	P	a	a	P	P	a	a	a	P	P									
47	V. Sruthi Bharathi		P	a	a	a	P	P	P	P	P	a	a	P	P	P	a	P	P	P	a	a	P	P	a	P	P	P	a										
48	M. Priyanka		P	a	P	P	P	P	e	P	P	a	P	a	P	a	a	P	P	a	P	P	P	a	P	a	P	a	P	P									
50	M. Anil kumar		P	P	a	P	a	P	P	P	P	a	P	P	a	P	P	P	a	P	P	P	a	a	P	P	a	P	P	a									
50	P. Venkatesh		a	P	P	P	a	P	P	P	P	P	P	a	a	P	P	P	P	a	a	a	P	a	a	P	P	P	P	P									
51	P. Lakeshmana Rao		P	P	a	P	P	P	P	a	P	P	P	P	a	P	P	P	a	P	P	P	a	P	P	P	P	a	a	P	P								

STUDENTS CERTIFICATE ISSUES WITH SIGNATURES 2022-23

Certificate Issue for certificate course

2022-23

S.No	Name of the student	group	grade	Signature
1.	V. Hymavathi	mpc	A	V. Hymavathi
2	V. Ravitha	mpcs	A	V. Rajitha
3.	V. Bharathi	mecs	O	V. Bharathi
4.	S. kavitha	mecs	A	S Kavitha
5.	K. Dilli Rao	mecs	B	Dilli Rao
6.	S. mahendra	mpcs	A	Mahendra
7.	M. Saikiran	mcbc	A	M. Sai Kiran
8.	G. Krishna murthy	mcbc	B	G. Krishnamurthy
9.	B. Dillesh	mcbc	B	B. D.
10.	K. Lavanya	mecs	A	K. Lavanya
11.	M.L.K. Bhuktha	mpcs.	A	M.L.K. Bhuktha
12.	K. Gunalaxmi	mpcs	A+	K. Gunalaxmi
13.	Ch. vasavi	mecs	A+	Ch. vasavi
14.	P. pavani	mecs	O	P. Pavani
15.	R. vimala	mecs	A+	R. vimala
16.	G. Gayathri	mpcs	A+	G. Gayathri
17.	B. Ramya sri	mecs	A	B. Ramya sri
18.	K. Vindhiya	mpcs	B	K. vindhiya
19.	K. Gayathri	mpcs	A	K. Gayathri
20	P. Amrutha	mpcs	A	P. Amrutha
21	S. Bharathi	mpcs	A	S. Bharathi
22.	P. Lakshmi	mpcs	A	Lakshmi. P
23.	Ch. Kranthi kumar	mpcs	O	Ch. Kranthi Kumar
24.	K. Dinesh	mpcs	O	K. Dinesh
25	J. meghana	mpe	A	J. Meghana.
26.	P. sireesha	mpe	O	P. Sireesha
27.	T. Divya	mpcs	A+	T. Divya.
28.	M. priyanka	mpe	A	M. Priyanka
29.	P. saipreetha	mpcs	A+	P. Sai pranectha
30.	M. mahesh babu	mpcs	B	M. Mahesh

S.NO	Name of the student	group	grade	Signature
31.	A. Rajesh kumar	mpcs	A+	A Rajkumar.
32.	M. Chaithanya	mpE	A	Mchaitanya
33.	K. Thavita Raju	mpE	A	k. Jhavit Raju
34.	B. Ravi kumar	mpE	B	B. Ravi kumar
35.	K. Janardhana Rao	mpE	C	k. Janardhana Rao
36.	K. Divakar	mpE	A	k. Divakar
37.	K. Sivaji	mpE	A	k. Sivaji
38.	D. Kalyan kumar	mpE	C	D. Kalyan kumar
39.	B. Bhargavi	mpE	D	B. Bhargavi
40.	Ch. Adinarayana	mpE	A	ch das
41.	Ch. Gurunth	mpE	A	Ch. Guru
42.	J. meghana	mpE	B	J. Meghana
43.	K. Kalyan	mpE	B	k. kalyan
44.	S. pavani	mpE	A	S. pavani
45.	Y. Jhyothi	mpE	A	Y. Jyothi
46.	S. Rajesh	mpE	B	S. Rajesh
47.	V. Sruthi Bharathi	mpE	B	V. Sruthi Bharat
48.	M. preeyanka	mpE	A	M. Priyanka
49.	M. Anil kumar	mpE	A+	M. Anil kumar.
50.	P. Venkatesh	mpE	A	P. Venktesh
51.	P. Lakshamana Rao	mpE	B	P. Lakshmana.

CERTIFICATE COURSE PHOTOS 2022-23

Government Degree College (M), Srikakulam
Feedback

Name of the event	CERTIFICATE COURSE
Department	Mathematics
Date	17-03-2023
Name of student	Ch. Kranthi kumar
Class	B.Sc. (M.P.Cs)
Mobile no.	9494163989

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 ✓

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

0	1	2	3	4	5 ✓

4. List the key takeaway points from the events.

Learn how to graphically solve single linear equations in one or two variables to find their solutions or roots.

5. Suggestions if any

You'll explore different methods for graphing linear equations, including the slope-intercept form, point-slope form, and standard form.

Signature of the Student

Government Degree College (M), Srikakulam
Feedback

Name of the event	CERTIFICATE COURSE
Department	Mathematics
Date	17-03-2023
Name of student	P. Pavani
Class	B.Sc. (M.P.Cs)
Mobile no.	9515992054

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 ✓

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

0	1	2	3	4	5 ✓

4. List the key takeaway points from the events.
   Understand how to graphically represent linear equations on the Cartesian plane and how this representation relates to the equation's coefficients and constants.

5. **Suggestions if any**

   You'll learn about linear equations in two variables (usually represented as $y = mx + b$) and how to interpret them graphically.

P. Pavani

Signature of the Student

Government Degree College (M), Srikakulam
Feedback

Name of the event	CERTIFICATE COURSE
Department	Mathematics
Date	17-03-2023
Name of student	K. DINESH
Class	B.Sc. (M.P. Cs)
Mobile no.	9701941579

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 ✓

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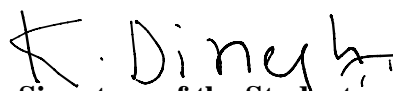
0	1	2	3	4 ✓	5

4. List the key takeaway points from the events.
   Gain proficiency in finding and interpreting the slopes and y-intercepts of linear equations, as well as the x-intercepts if applicable.

5. **Suggestions if any**

   You'll start with the fundamentals of graphing, including plotting points, using coordinate systems, and understanding the Cartesian plane.

Signature of the Student

Government Degree College (M), Srikakulam

Consolidated Feedback

Total no. of Participants =   51

No.of participants from whom feedback is collected = 51

S.No		No. of participants graded "Yes"		No. of participants graded "No"		
1	Did the event fulfil its objectives	51		0		
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	0	0	0	8	43
4	Rate the overall success of the event	-	-	-	15%	84%
5	key takeaway points from the event	Graphing Systems of Equations, Inequalities, Applications, Graphing Tools, Problem-Solving Skills, Critical Thinking, Accuracy and Precision, Visualization Skills and etc.				
6	Suggestions if any	Some courses might introduce you to graphing software or tools that can help you visualize linear equations more effectively.				

Coordinator

Lecturer in charge
Dept. of Mathamatics
Govt. Degree College (Men)
SRIKAKULAM

Govt. Degree College (Men), Srikakulam, A.P.

(Affiliated to Dr. B. R. Ambedkar University, Srikakulam, Andhra Pradesh)

Reaccredited by NAAC With B^{++} (2.90 CGPA)

CERTIFICATE

This is to certify that

V.HYMAVATHI

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from Feb to March - 2023 and secured with "A" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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V.BHARATHI

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R. Ravi Sankar
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R. Ravi Sankar
Course Coordinator

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K. DILLI RAO

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from Feb to March - 2023 and secured with "B" grade.

R. Ravi Sankar
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G. KRISHNA MURTHY

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B. Dillesh

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "B" grade,

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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Course Coordinator

Dr. P. Surekha
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M.L.K. BHUKTHA

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G. GUNALAXMI

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A$^+$" grade.

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CH. VASAVI

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A⁺" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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P. PAVANI

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "O" grade.

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Course Coordinator

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R. Ravi Sankar

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B. RAMAYASRI

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K. VINDHIYA

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations s" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "B" grade.

R. Ravi Sankar
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CERTIFICATE

This is to certify that

CH. KRANTHI KUMARI

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "O" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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K. DINESH

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R. Ravi Sankar

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Dr. P. Surekha

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CERTIFICATE

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J.MEGHANA

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A" grade.

R. Ravi Sankar

Course Coordinator

Dr. P. Surekha

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CERTIFICATE

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P. SIREESHA

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R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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Reaccredited by NAAC With B[++] (2.90 CGPA)

CERTIFICATE

This is to certify that

T. DIVYA

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A+" **grade.**

R. Ravi Shankar
Course Coordinator

Dr. P. Surekha
Principal

Govt. Degree College (Men), Srikakulam, A.P.

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M.PRIYANKA

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Course Coordinator

Dr. P. Surekha
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This is to certify that

P. SAIPREETHAM

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R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
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M.MAHESH BABU

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "B" grade.

R. Ravi Sankar

Course Coordinator

Dr. P. Surekha

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A. RAJESH KUMAR

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M.CHAITHAYA

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R. Ravi Sankar
Course Coordinator

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K. THAVITA RAJU

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This is to certify that

K. JANANARDHANA RAO

has successfully completed Certificate Course in "S Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "C" grade.

R. Ravi Sankar

Course Coordinator

Dr. P. Surekha

Principal

Govt. Degree College (Men), Srikakulam, A.P.

(Affiliated to Dr. B. R. Ambedkar University, Srikakulam, Andhra Pradesh)

Reaccredited by NAAC With B^{++} (2.90 CGPA)

CERTIFICATE

This is to certify that

K. DIVAKAR

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
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Govt. Degree College (Men), Srikakulam, A.P.

(Affiliated to Dr. B. R. Ambedkar University, Srikakulam, Andhra Pradesh)

Reaccredited by NAAC With B^{++} (2.90 CGPA)

CERTIFICATE

This is to certify that

K. SIVAJI

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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CERTIFICATE

This is to certify that

D.KALYAN KUMAR

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "C" grade.

R. Ravi Sankar

Course Coordinator

Dr. P. Surekha

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CERTIFICATE

This is to certify that

B. BHARGAVI

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "D" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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CERTIFICATE

This is to certify that

CH. ADINARAYANA

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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CERTIFICATE

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CH. GURUNATH

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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CERTIFICATE

This is to certify that

J. MEGANA

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "B" grade.

R. Ravi Sankar	**Dr. P. Surekha**
Course Coordinator	**Principal**

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CERTIFICATE

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K. KALYAN

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "B" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

CERTIFICATE

This is to certify that

S. PAVANI

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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Reaccredited by NAAC With B^{++} (2.90 CGPA)

CERTIFICATE

This is to certify that

Y. JYOTHI

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
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CERTIFICATE

This is to certify that

S. RAJESH

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "B" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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CERTIFICATE

This is to certify that

V.SRUTHI BHARATHI

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "B" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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CERTIFICATE

This is to certify that

M.PREEYANKA

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A" grade.

R. Ravi Sankar

Course Coordinator

Dr. P. Surekha

Principal

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CERTIFICATE

This is to certify that

M.ANIL KUMAR

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A$^+$" grade.

R. Ravi Sankar

Course Coordinator

Dr. P. Surekha

Principal

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CERTIFICATE

This is to certify that

P. VENKATESH

has successfully completed Certificate Course in "Graphical Method to Solutions of Equations" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "A" grade.

R. Ravi Shankar
Course Coordinator

Dr. P. Surekha
Principal

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CERTIFICATE

This is to certify that

P. LAKSHMANARAO

has successfully completed Certificate Course in "**Graphical Method to Solutions of Equations**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from February to March - 2023 and secured with "B" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

THE END