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

Minutes of the meeting held on December 20, 20219, 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 **"Graphs: Solving Equations with Graphical Methods"** will be offered to students in the upcoming academic term, starting 20/01/2020 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 Ch. Vijay Kumar, L.V. Ramana and Y.Prasanthi 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. (ch.viJaykumar)

2. L.V. Ramana

3. Y.prasanthi

From
Ch. Vijay kumar, 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 Madam,

The Department of Mathematics in its meeting held on 20-12-2019 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 Mathematics
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 **Graphs: Solving Equations with Graphical Method**. This course has been designed to help you gain valuable expertise in Mathematics and boost your career prospects.

Course Details:
Course Name: Graphs: Solving Equations with Graphical Method
Course Duration: 31-01-2020 to 13-04-2020 (30 days)
 Timings: Every week classes will be held on Monday, Thurs day and Friday (except for the national holidays/festivals). Final examination will be conducted on 18/04/2020(Saturday). The class timings will be 5.00 – 5.45 hours IST (except for the day of the final examination).
 Location: Room no :24
 Course Fee: Nil
Eligibility: Mathematics Final year Students only

Principal

PRINCIPAL
Govt. Degree College (Men)
SRIKAKULAM.

Signatures:

_ॱ III C E I

_ I AD5

_ II AD5
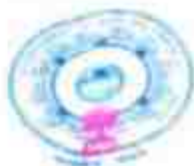
CERTIFICATE COURSE(2019-20)

GRAPHS, SOLVING EQUATIONS WITH GRAPHICAL METHODS

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: 1.Introduction to algebra. Linear equations. Functions. System of Linear Equations and Inequalities and Exponential and Logarithmic Functions.2.Graphing of Linear Equation in Two Variables With some examples.3. Graphing of linear inequalities with examples.4.Trigonometry identities with graphs.5. Linear models with graphs. Quadratic models. Exponential growth and decay models.

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

Eligibility Criteria: Graduates   **Fee Structure   -Nil-**

Important Dates
- Registration start date: 20/01/2020
- Last date for registration 31/01/2020
- Commencement of classes: 31/01/2020
- Last date of the class work: 13/04/2020
- Date of final examination: 18/04/2020

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.
- External candidates: GCMMAT01

Admission process for this course is on first-come-first- serve basis and the last date for registration to the courseis 31/01/2020 (Friday)

Class Duration: Classes will be held for 10 weeksstarting from 31/01/2020 (Friday). Every week classeswill be held on Monday, Wednesday, and Friday (exceptfor the national holidays/festivals). Final examination willbe conducted on 18/04/2020 (Sunday). The class timingswill 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

General Instructions
1 Admission to the course can be obtained only through the offline mode. Personal requests to Admission Section or to the Department of Mathematics will not be considered.
2 For internal and external candidates, admission will be confirmed only after the scrutiny of the application
3 A minimum of 75% attendance is compulsory to take the examination. Attendance will be reviewed and notified.
4 Batch change will not be permitted. Participants enrolled to a batch have to complete the course in thesame batch
5 Those who are not able to clear the final examination we will not given certificate. A candidate has to clear the examination within three attempts

Course Coordinator
Mr. Ch.Vijay kumar, Lecturer in Mathematics,
Department of Mathematics.
chvijaykumarmaths@gcmsklm.ac.in
+91 8179780929, +91 8919942897

Certificate Course

2019-2.6

Signature

	Name of the student	Group	Hall Ticket	Signature
1	K. Harikrishna	mcIC	1700138013	k.Harikrishna
2	L. Grangayya	MCIC	1700138015	L Gaupayya
3	P. Sai krishna	mc Ic	1700138023	P Jogeshwara Rao
4	P. Yogeshwara Rao	mcIC	1700138024	P.Yogeshwara Rao
5	S. Srinivasa Rao	mc Ic	1700138027	S. Srinivasa Rao
6	A. Srinu	mECS	1700140002	A Srinu
7	A. Amitha Sree	mECS	1700140003	
8	A. Lilly prasad	mECS	1700140005	A Lilly Prasad
9	V. Sriharsi	mECS	1700140008	V.Sriharsi
10	B. Sonia	mECS	1700140009	B. Sonia
11	ch. Venkata Sai Kiran	mECS	1700140011	ch.Venkata sai
12	G. kumar Swami	mECS	1700140020	G.Kumar Swamy
13	G. Taviti Naidu	mECS	1700140026	G. Taviti Naidu
14	G. Veerraju	mECS	1700140027	G. Veerraju
15	k. chakradhar	mECS	1700140028	k.Chakradhar
16	K. kesava Rao	mECS	1700140029	k.kesava Rao
17	k. Sri Latha	mECS	1700140030	k.srilatha
18	P. Noelaveni	mECS	1700140048	P.Noelaveni
19	R. Nagaraju	mECS	1700140050	R.Nagaraju
20	S. Raja Ratnam	mECS	1700140052	S.Raja Ratnam
21	T. Bhagya Lakshmi	mECS	1700140053	T.Bhagya Lakshmi
22	T. Pavani	mECS	1700140054	T. Pavani
23	T. Ramji	mECS	1700140055	
24	T. Vineetha	mECS	1700140056	T Vineetha
25	A. BhagyaSri	mPCS	1700142006	A Bhagyasri
26	B. Venkatesh	mPCS	1700142009	B. Venkatesh
27	D. Jyothi	mPCS	1700142013	D Jyothi
28	D. Jagadeesh	mPCS	1700142015	D.Jagadeesh
29	G. Jagadeesh	mPCS	1700142019	G. Jagadeesh
30	G. laxman Naidu	MPCS	1700142020	

31	J. Rani	MPCS	1700142022	J. Rani
32	J. Shanthi	MPCS	1700142023	J. Shanthi
33	K. Vijaya Laxmi	MPCS	1700142026	M. Jaya Kri
34	M. Jaya Krishna	MPCS	1700142035	M. Jayakrish
35	M. Hari prasad	MPCS	1700142036	M. Hari prasad
36	M. Shamše shameen	MPCS	1700142038	M. Shameer
37	N. Koteswara Rao	MPCS	1700142040	N. Koteswara
38	P. Keerthana	MPCS	1700142041	P. Keerthana
39	P. Divya Bharathi	MPCS	1700142046	P. Divyabhara
40	S. Chalapathi Rao	MPCS	1700142050	S. Chalapathi Rao
41	S. Jyothi	MPCS	1700142051	S. Jyothi
42	T. Bharathi	MPCS	1700142054	T. Bharathi
43	Y. Govinda Rao	MPCS	1700142062	Y. Govindarao
44	D. Suresh Kumar Reddy	MPE	1700143019	D. Suresh Kumar R
45	M. Kalyan	MPE	1700143032	M. Kalyan
46	N. Hari Krishna	MPE	1700143033	N. Harikrishna
47	P. Praveen	MPE	1700143038	P. Praveen
48	R. Jagadeeshwara Rao	MPE	1700143039	R. Jagadeeshwara
49	T. Deepak Singh	MPE	1700143050	T. Deepak
50	B. Tripurosundaro	MPE	1700143051	B. Tripurasundari Rao

Syllabus

1. Introduction to algebraic - Definitions
   Some Basic concepts of algebraic Equations
   Types of Functions with graphs

2. System of Linear Equations
   types of graphs of Linear Equations with
   graphs. Exponential and Logarithmic functions

3. System of Linear Inequalities
   . Graphing of Linear Equations in two
   Variables with Some Examples.

4. Trigonometry - Identities with graphs
   1) Sine, 2) Cose 3) Tan 4) Cot 5) hyperbolic
   functions.

5. Linear models with graphs, Quadratic
   models, Exponential growth, and decay models.

References:.
   1) Linear and non-Linear Systems
      of Equations - Alex JorJan

   2) Elementary Equations - L. Marcak
                             M.A.A. Smit.

Model Question Paper

Max-Marks — 50.   TIME : 02 hours

Section-A

Answer any five of the following
Eight Questions, each Question
Carrying 10 Marks. $5 \times 10 = 50$.

grading

1). Attendence — 75% — 10 points (Max)

2) Assignments —   20 Points "

3) Seminas   —   20 points "

4) Exam   —   50 Points "
                              _____
                              100   Marks.

1) Exam must be attented otherwise
no Certificate Issue.

2) who got less than 75% no issue
certificate.

3) Minimum Exam Pass Marks 50%.

ATTENDANCE REGISTER FOR THE MONTH OF 20

No.	NAME	Designation Group	Working Days	Days Present	Remarks
1	h-Hinithishna	MCIC	30	30	0
2	L-Giargayya	MCIL	30	19	
3	P. Satradhra	MCIC	30		
4	P. Yogeswara Rao	MCIC	30	19	
5	S. Srinivasa Rao	MCIC	30	30	
6	A. Srinu	MECS	30	31	
7	A. Amitha Sree	MECS	31	23	
8	A. Lilly Prasad	MECS	30	25	
9	V. Saihani	MECS	30	25	
10	V. Jona	MECC	30	30	
11	Ch. Venkata Saikiran	MECS	30	23	
12	G. Kumar Swami	MECS	30	26	
13	Gu. Javith Naidu	MECS	30	25	
14	G. Veeraaju	MECS	30	25	
15	K. Chakradhar	MECS	30	26	
16	K. Kesava Rao	MECS	30	29	
17	K. Esi Latha	MECS	30	25	
18	D. Neelavani	MECS	30	25	
19	B. Nagaraju	MECS	30	24	
20	S. Raja Ratnam	MECS	30	25	
21	T. Bhagyalakshmi	MECS	30	25	
22	T. Pavani	MECS	30	26	
23	T. Ramji	MECS	30	25	
24	T. Vineetha	MECS	30	26	
25	A. Bhagyasri	MPCS	30	29	
26	B. Venkatesh	MPCS	30	25	
27	D. Jyothi	MPCS	30	29	
28	D. Jagadeesh	MPCS	30	26	
29	Gn. Jagadeesh	MPCS	30	25	
30	G. Laxman Naidu	MPCS	30	25	
31	J. Ravi	MPCS	30	24	
32	J. Shanthi	MPCS	30	23	
33	K. Vijaya Laxmi	MPCS	30	26	
34	M. Jaya Krishna	MPCS	30	25	
35	M. Hari Prasad	MPCS	30	29	
36	M. Shameer	MPCS	30	29	

ATTENDANCE REGISTER FOR THE MONTH OF 20

No.	NAME	Designation	Days...		Remarks
37	M. Satyaveni Rao	MEG	P C P A P A P P P P P P P P A P P P P A P A P A P P F I P I I T		
38	P. Keerthana	MEG	P P A P A P P C P P P P A P A P A P A P A P P P F P I P I		
39	F. Divya Bharathi	MEG	P P P P P P P P P P A P P P P P P P P P P P		
40	S. Chilapathy Rao	MEG	P P P P P P P P P P P A P P P P P P P I A I A P P P		
41	S. Jyothi	MEG	P P P P P P P P P P A P P P P P P P P A P A P P P P		
42	K. Bharathi	MEG	P P P P P P P P A P P P P P P P P P P P P P P F P P		
43	Y. Gouthan Rao	MRL	P A P P P P P A P P P P P P P P P P P P P P A P A		
44	E. Suresh Kumar Reddy	MEG	A P A P P P A P P P P P A P P P P P P P P P P A P		
45	M. Kalyan	MEG	P P P A P A P P P P P P P P A P P P P A P P P P P P		
46	M. Hariharan	MEG	P P P P A P P P P P P P P A P P P P A P P A P P P		
47	D. Praveen	MEG	P P P P P P P P P P P P P P P A P P P P P A A P A P P		
48	R. Jagadeeswar Rao	MEG	A P A P P P P P P P P P P P P A P P P P P A P P A P A		
49	T. Deepak Singh	MEG	P P P P P P P P P P P P P P P P P A P A A P P P P A P		
50	G. Tripurasundari	MEG	P A P P P P P P P P P P P P P P P P P A P A P P P P F		
51					

GCMM01

GOVT.DEGREE COLLEGE(MEN),SRIKAKULAM

CERTIFICATE COURSE

GRAPHS:SOLVING LINEAR EQUATIONS WITH GRAPHICAL METHODS

MAX.MARKS:50   2019-20

TIME:02 HOURS

SECTION A

. Answer any FIVE of the following questions. $(5 \times 10 = 50)$

(1) SKETCH THE GRAPH OF THIS FUNCTION $f(x) = |x - 1|$

(2) USE GEOMETRY TO FIND THE AREA OF THE REGIONS $y = x$ AND $y = 2x^2 - x$ BY USING GRAPHICAL METHOD.

(3) NOW SKETCH THE REGION BELOW THE LINE $y = 2x - 2$, ABOVE THE x-AXIS, AND BETWEEN THE LINES $x = 1$ AND $x = t$. FOR SOME $t > 1$.

(4) IF R IS THE REGION BOUNDED ABOVE BY THE GRAPH OF THE FUNCTION $f(x) = 9 - (\frac{x}{2})^2$ AND BELOW BY THE GRAPH OF THE FUNCTION $g(x) = 6 - x$. FIND THE AREA OF REGION R.

(5) DRAW THE GRAPH OF THE FUNCTION $f(x) = \sin 2x$ IN $x \in [0, \pi]$.

(6) DRAW THE GRAPH OF THE FUNCTION $f(x) = x^2 - 2x + 1$ AND FIND ITS ZEROS FROM THE GRAPH.

(7) EXPLAIN TYPES OF THE POLYNOMIAL.

(8) DRAW THE GRAPH OF THE FUNCTION $f(x) = \frac{2}{x-1}$.

	Name of the student	Group	Grade	Signature
1.	K. Harikrishna	MCIC	A	K. Hari krishna
2.	L. Gangayya	MCIC	A+	L. Gangayya
3.	P. Saikrishna	MCIC	A	P. sai krishna
4.	P. Yogeswara Rao	MCIC	B	P. Yogeswararao.
5.	S. Srinivasa Rao	MCIC	A	S. srinivasa Rao
6.	A. Srinu	MECs	A+	A. Srinu
7.	A. Amitha Sree	MECs	A+ A+	
8.	A. Lilly Prasad	MECs	A	A. Lilly Prasad
9.	V. Srihari	MECs	B	V. ssihari
10.	V. Sonia	MECs	A	V. sonia
11.	Ch. Venkata Sai Kiran	MECs	A	Ch. Venkata saikiran
12.	G. Kumar Swami	MECs	B	G. Kumar Swami
13.	G. Taviti Naidu	MECs	A+	G. taviti naidu
14.	G. Veeraraju	MECs	A+	G. veeraraju
15.	K. Chakradhar	MECs	A	K. Chakradhar
16.	K. Kesava Rao	MECs	B	K. Kesava Rao
17.	K. Srilatha	MECs	A	K Srilatha
18.	P. Neelaveni	MECs	A	P. Neelaveni
19.	R. Nagaraju	MECs	A	R. nagaraju
20.	S. RajaRatnam	MECs	B	s. RajaRatnam
21.	T. Bhagya lakshmi	MECs	B	T. Bhagya lakshmi
22.	T. pavani	MECs	A	T. Pavani
23.	T. Ramji	MECs	A+5	
24.	T. Vineetha	MECs	A+	T. Vineetha
25.	A. Bhagyasri	MPCs	A+	A. Bhagyasri
26.	B. Venkatesh	MPCs	A	B. venkatesh
27.	D. Jyothi	MPCs	B	D. Jyothi
28.	D. Jagadeesh	MPCs	A	D. Jagadeesh
29.	G. Jagadeesh	MPCs	A	G. Jagadeesh
30	G. Laxman Naidu	MPCs	A	

	Name of the student	Group	Grade	Signature
31	J. Rani	MPCs	At	J. Rani
32	J. Shanthi	MPCs	AB	
33	K. Vijaya laxmi	MPCs	A	K. Vi Jayalakshmi
34	M. Jaya krishna	MPCs	D	M. Jaya Krishna
35	M. Hari prasad	MPCs	A	M. Hari prasad
36	m. shameer	MPCs	A	m. Hari prasad
37	N. koteswara Rao	MPCs	B	N. Koteswara
38	P. Keerthana	MPCs	A	P. keerthana
39	P. Divya Bharathi	MPCs	A	P. Divya Bharthi
40	S. Chalapathi Rao	MPCs	A	S. chalapathi rao
41	S. Jyothi	MPCs	A	S. Jyothi
42	K. Bharathi	MPCs	B	K. Bharathi
43	Y. Govinda Rao	MPCs	B	Y. Govindarao
44	B. sunesh kumar Reddy	MPE	AB	
45	M. Kalyan	MPE	At	M. Kalyani
46	M. Hari krishna	MPE	AT	M. Hari krishna
47	P. Praveen	MPE	A	P. Praveen
48	R. Jagadeeshwar Rao	MPE	AB	
49	T. Deepak singh	MPE	AB	
50	B. Tripura Sundari	MPE	AB	

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

GOVERNMENT DEGREE & P.G. COLLEGE (MEN), SRIKAKULAM
DEPARTMENT OF MATHEMATICS

Certificate Course

on

SOLVING EQUATIONS BY GRAPHICAL METHODS

This is certify that Mr./Kum. ....D.Krupakar........................ of **Govt.Degree College(Men),Srikakulam**
got registered himself/herself for the Certificate Course on "*Solving Equations by Graphical Methods*",
organized by the Department of mathematics and completed the course programme during
from....Sep.20....to Nov.20 his/her performance is credited with ...A........... Grade.

Head of the Department of Mathematics
Lecturer in charge
Dept. of Mathamatics
Govt. Degree College (Men)
SRIKANJLAM

principal
PRINCIPAL
Govt. Degree College (Men)
SRIKAKULAM

GOVERNMENT DEGREE & P.G. COLLEGE (MEN), SRIKAKULAM
DEPARTMENT OF MATHEMATICS

Certificate Course

on

SOLVING EQUATIONS BY GRAPHICAL METHODS

This is certify that Mr./Kum. ...D. Raju.. of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on **"Solving Equations by Graphical Methods"**, organized by the Department of mathematics and completed the course programme during from...Sep'20...to...Nov'20...his/her performance is credited with .... Grade.

Head of the Department of Mathematics
Lecturer in charge
Dept. of Mathematics
Govt. Degree College (Men)
SRIKAKULAM

principal
PRINCIPAL
Govt. Degree College (Men)
SRIKAKULAM

GOVERNMENT DEGREE & P.G. COLLEGE (MEN), SRIKAKULAM
DEPARTMENT OF MATHEMATICS

Certificate Course

on

SOLVING EQUATIONS BY GRAPHICAL METHODS

This is certify that Mr./Kum. ..D. Sai kumar......................... of **Govt. Degree College(Men),Srikakulam**

got registered himself/herself for the Certificate Course on *"Solving Equations by Graphical Methods"*,

organized by the Department of mathematics and completed the course programme during

from Sep 20 ...to Nov 28 his/her performance is credited with ...A........... Grade.

Head of the Department of Mathematics
Lecturer in charge
Dept. of Mathamatics
Govt. Degree College (Men)
SRIKAKULAM

Principal
PRINCIPAL
Govt. Degree College (Men)
SRIKAKULAM

GOVERNMENT DEGREE & P.G. COLLEGE (MEN), SRIKAKULAM
DEPARTMENT OF MATHEMATICS

Certificate Course

on

SOLVING EQUATIONS BY GRAPHICAL METHODS

This is certify that Mr./Kum. ...P. Ramakrishna............... of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on *"Solving Equations by Graphical Methods"*, organized by the Department of mathematics and completed the course programme during from Sep.20...to Nov.20 his/her performance is credited with .... Grade.

Head of the Department of Mathematics
Lecturer in charge
Dept. of Mathamatics
Govt. Degree College (Men)
SRIKAKULAM

principal
PRINCIPAL
Govt. Degree College (Men)
SRIKAKULAM

GOVERNMENT DEGREE & P.G. COLLEGE (MEN), SRIKAKULAM
DEPARTMENT OF MATHEMATICS

Certificate Course

on

SOLVING EQUATIONS BY GRAPHICAL METHODS

*This is certify that Mr./Kum. ...M. Rajashekar..................... of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on "**Solving Equations by Graphical Methods**", organized by the Department of mathematics and completed the course programme during from Sep 20...to Nov 20 his/her performance is credited with ...A+...... Grade.*

Head of the Department of Mathematics
Lecturer in charge
Dept. of Mathematics
Govt. Degree College (Men)
SRIKAKULAM

Principal
PRINCIPAL
Govt. Degree College (Men)
SRIKAKULAM

GOVERNMENT DEGREE & P.G. COLLEGE (MEN), SRIKAKULAM
DEPARTMENT OF MATHEMATICS

Certificate Course

on

SOLVING EQUATIONS BY GRAPHICAL METHODS

This is certify that Mr./Kum. ....M. Bhargav............................ of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on "*Solving Equations by Graphical Methods*", organized by the Department of mathematics and completed the course programme during from.....Sep 20....to....Nov 20.his/her performance is credited with .....A......... Grade.

Head of the Department of Mathematics
Lecturer in charge
Dept. of Mathamatics
Govt. Degree College (Men)
SRIKAKULAM

principal
PRINCIPAL
Govt. Degree College (Men)
SRIKAKULAM

GOVERNMENT DEGREE & P.G. COLLEGE (MEN), SRIKAKULAM
DEPARTMENT OF MATHEMATICS

Certificate Course

on

SOLVING EQUATIONS BY GRAPHICAL METHODS

This is certify that Mr./Kum. ...M. Divya jyothi............... of **Govt.Degree College(Men),Srikakulam**

got registered himself/herself for the Certificate Course on **"_Solving Equations by Graphical Methods_"**,

organized by the Department of mathematics and completed the course programme during

from..Sep 20..to..Nov'20..his/her performance is credited with .....B........ Grade.

Head of the Department of Mathematics
Lecturer in charge
Dept. of Mathamatics
Govt. Degree College (Men)
SRIKAKULAM

principal
PRINCIPAL
Govt. Degree College (Men)
SRIKAKULAM

GOVERNMENT DEGREE & P.G. COLLEGE (MEN), SRIKAKULAM
DEPARTMENT OF MATHEMATICS

Certificate Course

on

SOLVING EQUATIONS BY GRAPHICAL METHODS

This is certify that Mr./Kum. ....K. Dhilleswari................... of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on **"Solving Equations by Graphical Methods"**, organized by the Department of mathematics and completed the course programme during from Sep.20 to Nov 20 his/her performance is credited with ....B........ Grade.

Head of the Department of Mathematics
Lecturer in charge
Dept. of Mathamatics
Govt. Degree College (Men)
SRIKAKULAM

principal
PRINCIPAL
Govt. Degree College (Men)
SRIKAKULAM

GOVERNMENT DEGREE & P.G. COLLEGE (MEN), SRIKAKULAM
DEPARTMENT OF MATHEMATICS

Certificate Course

on

SOLVING EQUATIONS BY GRAPHICAL METHODS

This is certify that Mr./Kum. ....K.praveen..kumar............ of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on **"Solving Equations by Graphical Methods"**, organized by the Department of mathematics and completed the course programme during from...Sep.20...to....Nov.20.his/her performance is credited with ...A............. Grade.

Head of the Department of Mathematics
Lecturer in charge
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SOLVING EQUATIONS BY GRAPHICAL METHODS

This is certify that Mr./Kum. ..L. Kreethi Kumar............... of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on *"**Solving Equations by Graphical Methods**"*, organized by the Department of mathematics and completed the course programme during from..Sep.20..to..Nov'20.his/her performance is credited with .....A.......... Grade.

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Lecturer in charge
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*This is certify that Mr./Kum. ...K.Madhu............................ of Govt.Degree College(Men),Srikakulam got registered himself/herself for the Certificate Course on "**Solving Equations by Graphical Methods**", organized by the Department of mathematics and completed the course programme during from...Sep.20...to.Nov.2.this/her performance is credited with ....A......... Grade.*

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This is certify that Mr./Kum. ....K. Harshini........................ of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on "**Solving Equations by Graphical Methods**", organized by the Department of mathematics and completed the course programme during from Sep 20 to Nov 20 his/her performance is credited with ....B.......... Grade.

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This is certify that Mr./Kum. ......*K. Nagamani*.................. of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on *"Solving Equations by Graphical Methods"*, organized by the Department of mathematics and completed the course programme during from....*Sep 20*....to....*Nov 20*....his/her performance is credited with ....*A*.......... Grade.

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This is certify that Mr./Kum. ....K. Bhavani Shankar........ of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on *"Solving Equations by Graphical Methods"*, organized by the Department of mathematics and completed the course programme during from...Sep'20...to..Nov'20.his/her performance is credited with .... Grade.

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This is certify that Mr./Kum. ....T.Dhamodhara rao....... of **Govt.Degree College(Men),Srikakulam**

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organized by the Department of mathematics and completed the course programme during

from....Sep'20....to....Nov'20....his/her performance is credited with ..A.T......... Grade.

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This is certify that Mr./Kum. ....G. Satyanarayana........ of **Govt. Degree College(Men), Srikakulam**

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organized by the Department of mathematics and completed the course programme during

from....Sep'20....to....Nov 20....his/her performance is credited with ...A⁺......... Grade.

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This is certify that Mr./Kum. ....G.Anuradha................... of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on **"Solving Equations by Graphical Methods"**, organized by the Department of mathematics and completed the course programme during from...Sep'20...to...Nov'20...his/her performance is credited with .....A⁺......... Grade.

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This is certify that Mr./Kum. ...G. Gowrinaidu.................... of **Govt. Degree College(Men),Srikakulam**

got registered himself/herself for the Certificate Course on *"Solving Equations by Graphical Methods"*,

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from...Sep'20....to...Nov'20....his/her performance is credited with .....A......... Grade.

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This is certify that Mr./Kum. ......G. Tarun............................ of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on _"Solving Equations by Graphical Methods"_, organized by the Department of mathematics and completed the course programme during from....Sep'20....to....Nov'20..his/her performance is credited with ...B.......... Grade.

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This is certify that Mr./Kum. ......G.Rohit........................... of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on "**Solving Equations by Graphical Methods**", organized by the Department of mathematics and completed the course programme during from....Sep'20....to..Nov'20..his/her performance is credited with ....A......... Grade.

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This is certify that Mr./Kum. ……… D. upendra ……………… of **Govt.Degree College(Men),Srikakulam**

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organized by the Department of mathematics and completed the course programme during

from …… Sep'20 …… to …… Nov'20 …… his/her performance is credited with …… A …… Grade.

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from.........Sep'20.......to........Nov'20.......his/her performance is credited with ....B.......... Grade.

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*This is certify that Mr./Kum. ......C. Gayatri.......................... of **Govt.Degree College(Men),Srikakulam***

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organized by the Department of mathematics and completed the course programme during

from......Sep'20......to............Nov'20 his/her performance is credited with ......A+......... Grade.

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from....Sep'20....to....Nov'20....his/her performance is credited with .....A......... Grade.

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This is certify that Mr./Kum. .B. Tejeswani........................ of **Govt.Degree College(Men),Srikakulam**

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from........Sep'20........to......Nov'20......his/her performance is credited with ....B......... Grade.

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This is certify that Mr./Kum. ....B..Satyapavan................ of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on _"Solving Equations by Graphical Methods"_, organized by the Department of mathematics and completed the course programme during from....Sep'20....to....Nov 20....his/her performance is credited with ....A.......... Grade.

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This is certify that Mr./Kum. ..B.Durgabhavani............... *of **Govt.Degree College(Men),Srikakulam***

*got registered himself/herself for the Certificate Course on **"Solving Equations by Graphical Methods",***

organized by the Department of mathematics and completed the course programme during

from...........Sep'20.......*to*.......Nov'20........*his/her performance is credited with* ...A.T......... *Grade.*

Head of the Department of Mathematics
Lecturer in charge
Dept. of Mathamatics
Govt. Degree College (Men)
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SOLVING EQUATIONS BY GRAPHICAL METHODS

This is certify that Mr./Kum. A. Saleem raj .... *of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on **"Solving Equations by Graphical Methods"**, organized by the Department of mathematics and completed the course programme during from* Sep'20 *to* Nov'20 *his/her performance is credited with* A+ *Grade.*

Head of the Department of Mathematics

principal

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This is certify that Mr./Kum. ...A. Ramanamma............ of **Govt.Degree College(Men),Srikakulam** got registered himself/herself for the Certificate Course on *"Solving Equations by Graphical Methods"*, organized by the Department of mathematics and completed the course programme during from...Sep 20...to...Nov 20...his/her performance is credited with ...A........... Grade.

Head of the Department of Mathematics
Lecturer in charge
Dept. of Mathamatics
Govt. Degree College (Men)
SRIKAKULAM

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Govt. Degree College (Men)
SRIKAKULAM

Government Degree College (M), Srikakulam
Feedback

Name of the event	CERTIFICATE COURSE
Department	Mathematics
Date	18-04-2020
Name of student	G. Tavitinaidu
Class	MECS
Mobile no.	-

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.

5. **Suggestions if any**   We need more graphs

G. Taviti Naidu

Signature of the Student

Government Degree College (M), Srikakulam
Feedback

Name of the event	CERTIFICATE COURSE
Department	Mathematics
Date	18-04-2020
Name of student	S. JYOTHI
Class	MPCS
Mobile no.	-

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.

5. **Suggestions if any :**

   Explain Some basic Concepts

   S. Jyothi
   Signature of the Student

Government Degree College (M), Srikakulam
Feedback

Name of the event	CERTIFICATE COURSE
Department	Mathematics
Date	18-04-2020
Name of student	P.PRAVEEN
Class	MPE
Mobile no.	

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.

5. **Suggestions if any** ___ Nil ~

P. Pravan

Signature of the Student

Government Degree College (M), Srikakulam

Consolidated Feedback

Total no. of Participants = 50
No. of participants from whom feedback is collected = 46

S.No		No. of participants graded "Yes"		No. of participants graded "No"		
1	Did the event fulfil its objectives	46		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	13	33
4	Rate the overall success of the event	-	-	-	28%	72%
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 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 Mathematics
Govt. Degree College (Men)
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2019-20

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