Government Degree College (M), Srikakulam

Department of Mathematics

Minutes of the meeting

Minutes of the meeting held on October 18, 2021, 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:

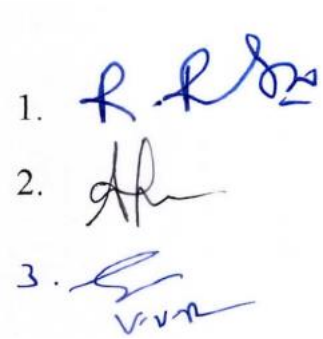
1. To discuss course curriculum.
2. To discuss about Sharing the course schedule, including important dates such as classes, assignments, and assessments.
3. Schedule and Timelines: Sharing the course schedule, including important dates such as classes, assignments, and assessments.
4. To discuss introducing 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 "**Graphical Equation Analysis**" will be offered to students in the upcoming academic term, starting 21-10-2021 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: -



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 Madam,

The Department of Mathematics in its meeting held on 18-10-21 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

O/o The Principal,

Government Degree College (M),

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 Equation Analysis**. This course has been designed to help you gain valuable expertise in Mathematics and boost your career prospects.

Course Details:
Course Name: Solution of the Linear Equation with Graphical Methods
Course Duration: 21-10-2021 to 31-12-2021 (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 03/01/2022. (Wednesday). 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

Principal

PRINCIPAL
Govt. Degree College (Men)
SRIKAKULAM

1.
2.
3.

Government Degree College (M), Srikakulam
Feedback

Name of the event	CERTIFICATE COURSE
Department	Mathematics
Date	03-01-2022
Name of student	K. MADHU
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** — NIL —

K. Madhu

Signature of the Student

Government Degree College (M), Srikakulam
Feedback

Name of the event	CERTIFICATE COURSE
Department	Mathematics
Date	03-01-2022
Name of student	P. RAJU
Class	MPCS
Mobile no.	9346666844

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 how to draw some basic figures

P. Raju

Signature of the Student

Government Degree College (M), Srikakulam
Feedback

Name of the event	CERTIFICATE COURSE
Department	Mathematics
Date	03-01-2022
Name of student	G. Anuradha
Class	MPCS
Mobile no.	8500182485

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 —

G. Anuradha

Signature of the Student

Government Degree College (M), Srikakulam

Consolidated Feedback

Total no. of Participants = 30
No.of participants from whom feedback is collected = 30

S.No		No. of participants graded "Yes"		No. of participants graded "No"		
1	Did the event fulfil its objectives	30		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	7	23
4	Rate the overall success of the event	-	-	-	23%	77%
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

CERTIFICATE COURSE BROCHURE 2020-21

GOVERNMENT DEGREE COLLEGE (MEN)
ACCREDITED BY NAAC WITH B++ (CGPA 2.90)
Srikakulam - 532001, Andhra Pradesh, India
ph: 08942 222383 e-mail: info@gdcmsklm.ac.in website: https://www.gdcmsklm.ac.in

Graphical Equation Analysis

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 pairsas 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 systemwill 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 Math's students only.** **Fee Structure:** **NIL**

Important Dates

- Registration start date: 18/10/2021
- Last date for registration: 21/10/2021
- Commencement of classes: 21/10/2021
- Last class work: 31/12/2021
- Date of final examination: 03/01/2022

Paper Code: GCMMATCC04

Admission Procedure: Interested participants can complete the registration process through the following registration forms forthe 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 18/10/2021 (Mon Day).

Class Duration: Classes will be held for 10 weeks starting from 21/10/2021 (Thurs day). Every week classes will be held onMonday, Thursday, and Friday (except for the national holidays/festivals). Final examination will be conducted on 03/01/2022. (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 thecourse. 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 EQUATION ANALYSIS

Course Description:

Graphical Equation Analysis is a course designed to provide students with a comprehensive understanding of how to analyze and interpret equations graphically. Equations are fundamental tools used across various disciplines such as mathematics, physics, engineering, economics, and more. This course will focus on techniques for representing equations graphically, understanding the graphical interpretation of equations, and utilizing graphical methods to solve problems and analyze data.

Course Objectives:

1. To understand the fundamental principles of graphing equations.
2. To learn various graphical techniques for analyzing equations.
3. To apply graphical methods to solve equations and systems of equations.
4. To interpret graphical representations of equations and their solutions.
5. To explore real-world applications of graphical equation analysis.

Course Topics:

1. Introduction to Graphical Equation Analysis. Overview of graphical methods. Importance of graphical representation in equation analysis.
2. Basic Graphing Techniques. Plotting points and curves. Understanding Cartesian coordinates Graphing linear equations Graphing quadratic equations.
3. Analyzing Functions Graphically. Identifying domain and range. Finding intercepts and asymptotes Analyzing symmetry and periodicity
4. Graphical Solutions of Equations. Finding solutions graphically. Intersection points and their significance. Using graphical methods to solve systems of equations.
5. Advanced Graphical Techniques. Graphical analysis of inequalities. Graphical interpretation of derivatives and integrals. Utilizing graphs to understand transformation

Reference book: Graphical Analysis of Equations" Author: William E. Boyce Publisher: John Wiley & Sons ISBN: 978-0471130455.

GRAPHICAL EQUATION ANALYSIS

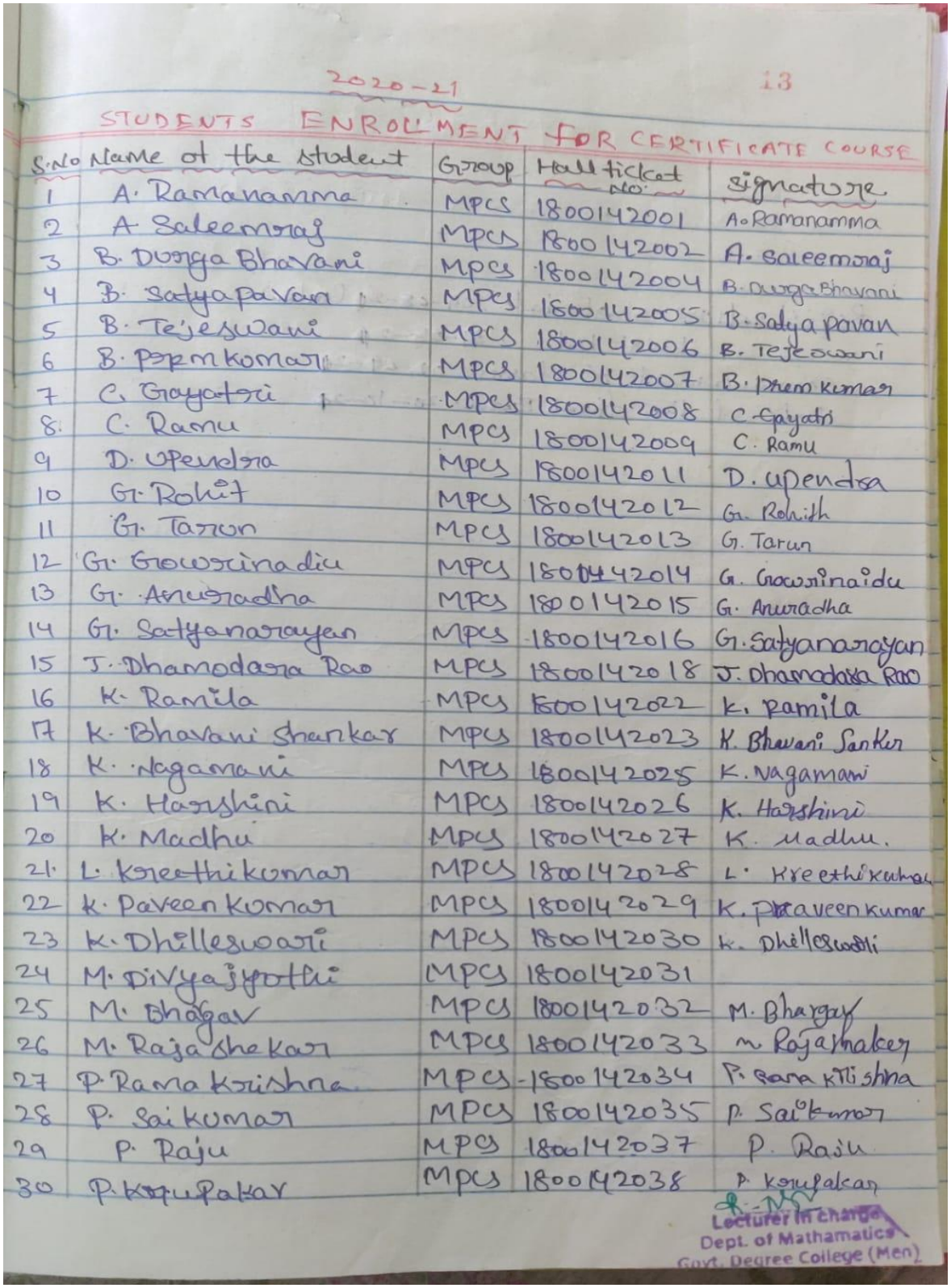
Brief Note:
The Graphical Equation Solving Activity aims to provide participants with hands-on experience in solving linear and non-linear equations using graphical methods. By engaging in this activity, participants will deepen their understanding of how to plot equations, identify solution points, and interpret graphical representations of equations.

Aims:
1. To familiarize participants with graphical methods for solving linear and non-linear equations.
2. To provide participants with practical experience in plotting equations and analyzing their solutions graphically.
3. To enhance participants' problem-solving skills by applying graphical techniques to solve equations.

Objectives:
1. Participants will learn how to plot linear and non-linear equations on a coordinate plane.
2. Participants will practice identifying solution points and interpreting graphical representations of equations.
3. Participants will gain proficiency in using graphical methods to solve single-variable and multivariable equations.
4. Participants will apply graphical techniques to analyze real-world problems and interpret their solutions.

Procedure:
Introduction (10 minutes): Brief overview of graphical equation solving and its importance. Explanation of the activity objectives and expected outcomes.
Theoretical Background (15 minutes): Review of key concepts in graphing linear and non-linear equations. Explanation of plotting techniques and interpretation of graphs.
Hands-on Activity (45 minutes): Participants will be provided with equations (both linear and non-linear) and graph paper. They will plot the equations on the graph paper and identify solution points. Participants will analyze the graphs to determine characteristics such as intercepts, slopes, and behaviors near solutions.
Discussion and Analysis (20 minutes): Participants will discuss their findings and interpretations with the instructor and peers. Key observations and insights will be highlighted, addressing any misconceptions or challenges encountered during the activity.
Conclusion and Reflection (10 minutes): Recapitulation of the main concepts learned during the activity. Participants will reflect on the relevance of graphical equation solving in real-world contexts and its implications for problem-solving.
Outcomes:
1. Improved understanding of graphical methods for solving equations.
2. Enhanced problem-solving skills through hands-on experience.
3. Increased ability to interpret graphical representations of equations.
4. Application of graphical techniques to analyze and solve real-world problems.
5. Development of critical thinking and analytical skills in equation solving.

STUDENTS ENROLMENT FOR CERTIFICATE COURSE 2020-21



2020-21 13

STUDENTS ENROLLMENT FOR CERTIFICATE COURSE

S.No	Name of the Student	Group	Hall ticket No:	Signature
1	A. Ramanamma	MPCS	1800142001	A. Ramanamma
2	A. Saleemraj	MPCS	1800142002	A. Saleemraj
3	B. Durga Bhavani	MPCS	1800142004	B. Durga Bhavani
4	B. Satyapavan	MPCS	1800142005	B. Satya pavan
5	B. Tejeswani	MPCS	1800142006	B. Tejeswani
6	B. Prem kumar	MPCS	1800142007	B. Prem kumar
7	C. Gayatri	MPCS	1800142008	C. Gayatri
8	C. Ramu	MPCS	1800142009	C. Ramu
9	D. Upendra	MPCS	1800142011	D. upendra
10	G. Rohit	MPCS	1800142012	G. Rohith
11	G. Tarun	MPCS	1800142013	G. Tarun
12	G. Gowrinaidu	MPCS	1800142014	G. Gowrinaidu
13	G. Anuradha	MPCS	1800142015	G. Anuradha
14	G. Satyanarayan	MPCS	1800142016	G. Satyanarayan
15	J. Dhamodara Rao	MPCS	1800142018	J. Dhamodara Rao
16	K. Ramila	MPCS	1800142022	K. Ramila
17	K. Bhavani Shankar	MPCS	1800142023	K. Bhavani Sankar
18	K. Nagamani	MPCS	1800142025	K. Nagamani
19	K. Harshini	MPCS	1800142026	K. Harshini
20	K. Madhu	MPCS	1800142027	K. Madhu.
21	L. Kreethikumar	MPCS	1800142028	L. Kreethikumar
22	K. Paveen kumar	MPCS	1800142029	K. Praveen kumar
23	K. Dhilleswari	MPCS	1800142030	K. Dhilleswari
24	M. Divyajyothi	MPCS	1800142031	
25	M. Bhagav	MPCS	1800142032	M. Bhagav
26	M. Rajashekar	MPCS	1800142033	M. Rajashekar
27	P. Rama Krishna	MPCS	1800142034	P. Rama Krishna
28	P. Saikumar	MPCS	1800142035	P. Saikumar
29	P. Raju	MPCS	1800142037	P. Raju
30	P. Koyupakar	MPCS	1800142038	P. Koyupakar

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

STUDENTS ATTENDANCE OF CERTIFICATE COURSE 2020-21

MODEL PAPER FOR CERTIFICATE COURSE 2020-21

21

Model Paper

Max. Marks = 50 Time - 2 Hours

Section - A

Answer any 5 (Five) of Eight (08) questions. each question carrying 10 Marks. 5×10 = 50 Marks

Grading

1) Attendance - 75% - 10 marks
2) Assignment - 20 marks
3) Seminars - 20 marks
4) Exams - 50 marks

100 marks

Remarks :-

minimum Attendance must be 75% for students and who got less than 75% no Issue certificate and also exam pass marks - 50%.

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

ASSIGNMENT OF CERTIFICATE COURSE

2020-21

(GRAPHICAL EQUATION ANALYSIS)

MAX. MARKS: 20

---

1. Explain Graphical Methods for inequalities?
2. Draw the Graph of $y = x^2$?
3. Draw the graph of $y = e^x$?
4. Draw the Graph of $y = Tanx$?
5. Draw the combined Graph of $y = x$ and $y = x^3$?

QUESTION PAPER OF CERTIFICATE COURSE

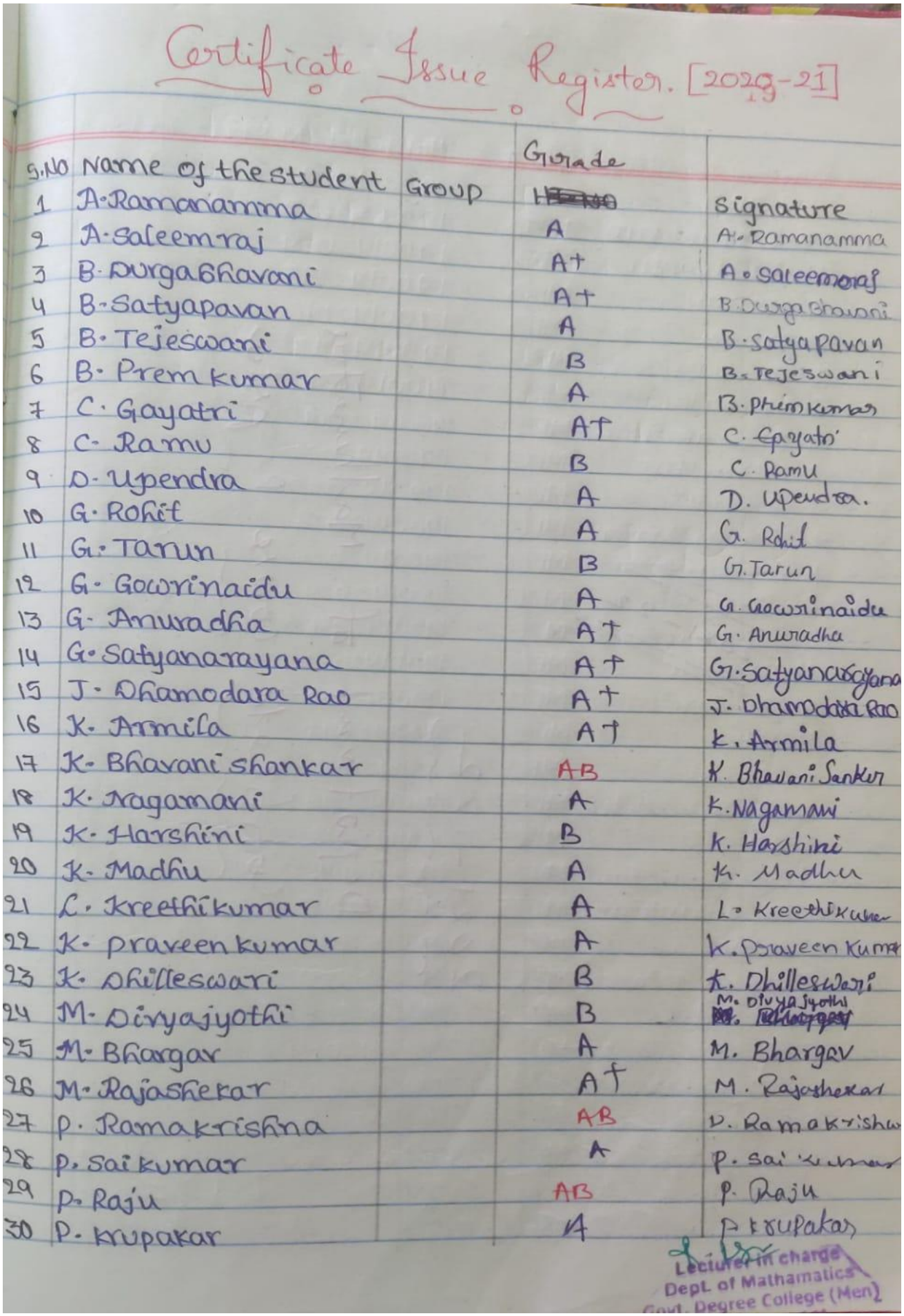
GOVT.DEGREE COLLEGE (MEN)-SRIKAKULAM
CERTIFICATE COURSE EXAM PAPER
(GRAPHICAL EQUATION ANALYSIS)

MAX.MARKS:50 **TIME: 2Hrs**

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

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?

CERTIFICATE ISSUE DETAILS 2020-21

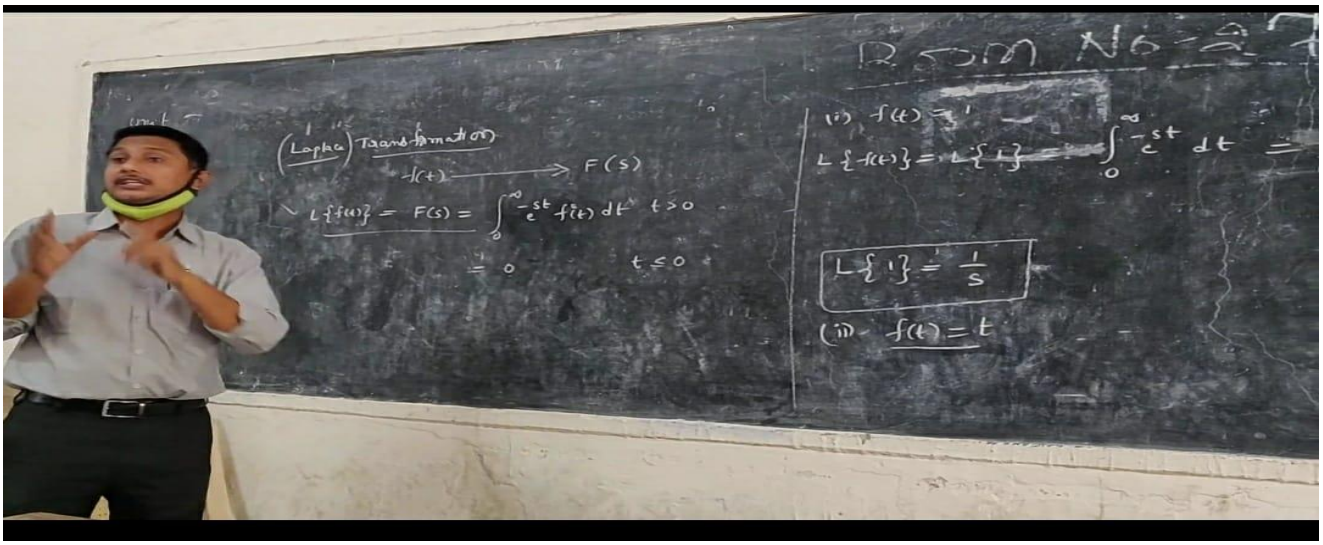


Certificate Issue Register. [2020-21]

S.NO	Name of the student	Group	Grade	Signature
1	A. Ramanamma		A	A. Ramanamma
2	A. Saleemraj		A+	A. Saleemraj
3	B. Durgabhavani		A+	B. Durgabhavani
4	B. Satyapavan		A	B. Satyapavan
5	B. Tejeswani		B	B. Tejeswani
6	B. Premkumar		A	B. Premkumar
7	C. Gayatri		A+	C. Gayatri
8	C. Ramu		B	C. Ramu
9	D. Upendra		A	D. Upendra.
10	G. Rohit		A	G. Rohit
11	G. Tarun		B	G. Tarun
12	G. Gowrinaidu		A	G. Gowrinaidu
13	G. Anuradha		A+	G. Anuradha
14	G. Satyanarayana		A+	G. Satyanarayana
15	J. Dhamodara Rao		A+	J. Dhamodara Rao
16	K. Armila		A+	K. Armila
17	K. Bhavanishankar		AB	K. Bhavani Sankar
18	K. Nagamani		A	K. Nagamani
19	K. Harshini		B	K. Harshini
20	K. Madhu		A	K. Madhu
21	L. Kreethikumar		A	L. Kreethikumar
22	K. praveenkumar		A	K. praveen kumar
23	K. Dhilleswari		B	K. Dhilleswari
24	M. Divyajyothi		B	M. Divya Jyothi
25	M. Bhargar		A	M. Bhargav
26	M. Rajashekar		A+	M. Rajashekar
27	P. Ramakrishna		AB	P. Ramakrishna
28	P. Saikumar		A	P. Sai kumar
29	P. Raju		AB	P. Raju
30	P. Krupakar		A	P. Krupakar

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

PHOTO GALLERY



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

A. RAMANAMMA

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A" 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

A. SALEEMRAJ

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A^{+}" 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

B. DURGA BHAVANI

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A^{+}" 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

B. SATYA PAVAN

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A" 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

B. TEJESWANI

has successfully completed Certificate Course in "Graphical Equation Analysis" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "B" 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

B. PREM KUMAR

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A" 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

C.GAYATRI

has successfully completed Certificate Course in "Graphical Equation Analysis" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A^{+}" 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

C.RAMU

has successfully completed Certificate Course in "Graphical Equation Analysis" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A" 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

D. UPENDRA

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A" 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

G. ROHIT

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A" 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

G. TARUN

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "B" 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

G. GOWRINAIDU

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A" 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

G. ANURADHA

has successfully completed Certificate Course in "Graphical Equation Analysis" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A^{+}" 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

G. SATYANARAYANA

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A^{+}" 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. ARMILA

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Course Coordinator

Dr. P. Surekha
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This is to certify that

J. DHAMODHARA RAO

has successfully completed Certificate Course in "Graphical Equation Analysis" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A^{+}" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
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This is to certify that

K. NAGAMANI

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R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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This is to certify that

K. HARSHINI

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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This is to certify that

K. MADHU

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A" grade.

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Course Coordinator

Dr. P. Surekha
Principal

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L.KREETHI KUMAR

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R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
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This is to certify that

K. PRAVEEN KUMAR

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R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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CERTIFICATE

This is to certify that

K. DILLESWARI

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 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.DIVYA JYOTHI

has successfully completed Certificate Course in "Graphical Equation Analysis" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "B" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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This is to certify that

M. BHRGAV

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R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
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This is to certify that

M.RAJASHEKAR

has successfully completed Certificate Course in "**Graphical Equation Analysis**" conducted by Department of Mathematics Govt. Degree College (Men), Srikakulam, A.P. during from October to December - 2021 and secured with "A^{+}" grade.

R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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P. SAIKUMAR

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R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal

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D.KRUPAKAR

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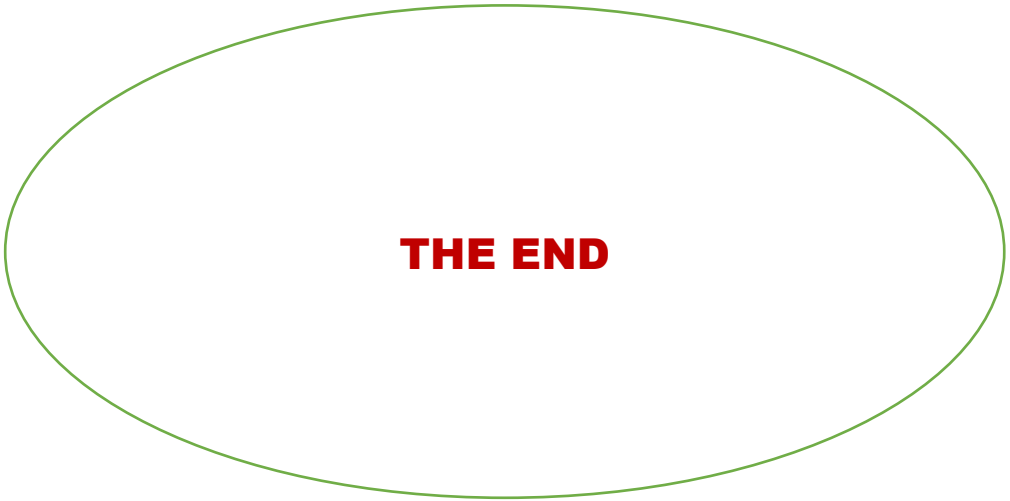
R. Ravi Sankar
Course Coordinator

Dr. P. Surekha
Principal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