GOVERNMENT DEGREECOLLEGE(MEN)
SRIKAKULAM

(NAAC Accredited with 'B++' Grade (2.90 CGPA)
(Affiliated to Dr. B. R. Ambedkar University, Srikakulam)

DEPARTMENT OF MATHEMATICS

REPORT ON
INVITED LECTURE
"MEAN VALUE THEOREMS"

UNDER COLLABORATIVE ACTIVITY

BY

Sri R.Ravisankar

Lecturer in Mathematics, HOD of Mathematics

GOVERNMENT DEGREE COLLEGE, TEKKALI

MODE OF TALK: ONLINE MODE THROUGH GOOGLE MEET.

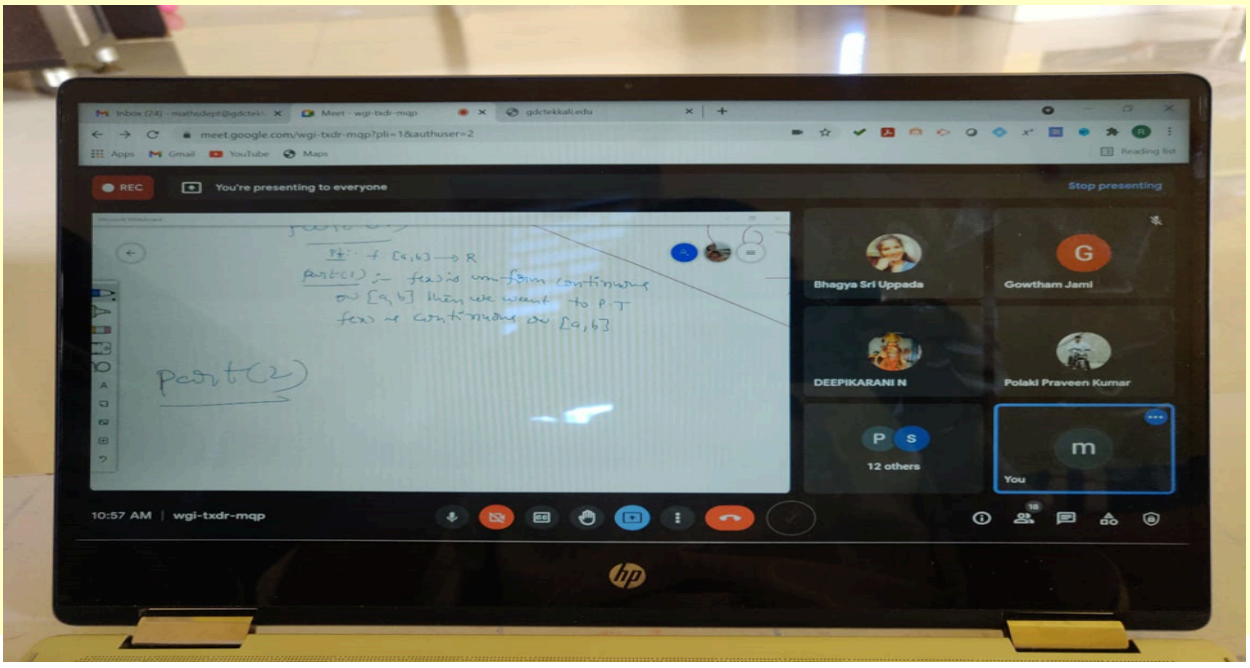
DATE: 08.07.2021 **TIME: 11:00 AM to 12:00 PM.**

TOPIC : " MEAN VALUE THEOREMS "

VENUE: GOVERNMENT DEGREE COLLEGE FOR MEN.

No.of Students attended = 31

No.of Teaching Staff attended = 02



EVENT ORGANIZED REPORT
(2021 -2022)

UNDER COLLABORATIVE ACTIVITY

Name of Department	MATHEMATICS
Name of Event Organized	Guest Lecture
Title of the Event	Mean value theorems
Date of Event Organized	08-07-2021
Name of the coordinator of the Event	Ch. Vijay Kumar
Class of the Participant	All Final year B.Sc. Mathematics Students
No. of Participant (Student +Staff)	31
Name of the Expert with designation	R. Ravisankar Lecturer in Mathematics Govt. Degree College, Tekkali
Contact number & Address of the Expert	R. Ravisankar Lecturer in Mathematics Govt. Degree College, Tekkali , 9010161319
Objective of the Event	The guest lecture contributed to the overall academic culture of the institution by providing a platform for intellectual discourse. It aimed to create an environment where students and faculty could engage with challenging mathematical concepts, thereby contributing to the institution's commitment to scholarly pursuits. In summary, the guest lecture on Mean Value Theorems sought to educate, inspire, and create an interactive learning experience that transcended traditional classroom settings, enriching the academic journey of the participants.

TOPIC SYNOPSIS

Report on Guest Lecture: Mean Value Theorems

Objective:

The guest lecture on Mean Value Theorems was organized with the objective of providing a comprehensive understanding of these fundamental theorems in calculus. The aim was to enhance the participants' knowledge, demonstrate practical applications, and foster critical thinking across various academic levels.

Program Overview:

The event began with a warm welcome to all attendees, followed by an introduction to the guest speaker, R.Ravisankar, a renowned expert in the field of mathematics. The agenda outlined the key focus areas: Rolle's Theorem, the Mean Value Theorem, and Cauchy's Mean Value Theorem.

Lecture Highlights:

1. Introduction to Mean Value Theorems: Ravisankar initiated the lecture by providing a concise overview of Mean Value Theorems, emphasizing their significance in calculus. The audience gained insights into the foundational role these theorems play in mathematical analysis.

2. Rolle's Theorem:

The speaker delved into Rolle's Theorem, explaining its conditions and implications. Real-world examples were presented to illustrate situations where Rolle's Theorem is applicable, connecting theoretical concepts to practical scenarios.

3. Mean Value Theorem:

The lecture seamlessly transitioned into a detailed discussion on the Mean Value Theorem. R.Ravisankar elucidated the conditions and consequences of this theorem, using visual aids and mathematical derivations to facilitate comprehension.

4. Cauchy's Mean Value Theorem:

The final segment of the lecture focused on Cauchy's Mean Value Theorem, offering a more generalized perspective. The speaker demonstrated how this theorem extends the concepts presented earlier, showcasing its applications in diverse mathematical contexts.

5. Interactive Session:

An engaging Q&A session followed the lecture, enabling participants to seek clarification and engage in meaningful discussions with R.Ravisankar. The interactive nature of the session encouraged a dynamic exchange of ideas and perspectives.

Conclusion:

The guest lecture on Mean Value Theorems proved to be a resounding success. Participants gained a deeper understanding of these theorems, appreciated their practical applications, and actively participated in the learning process. The event succeeded in achieving its objective of promoting critical thinking and academic excellence.

Acknowledgments:

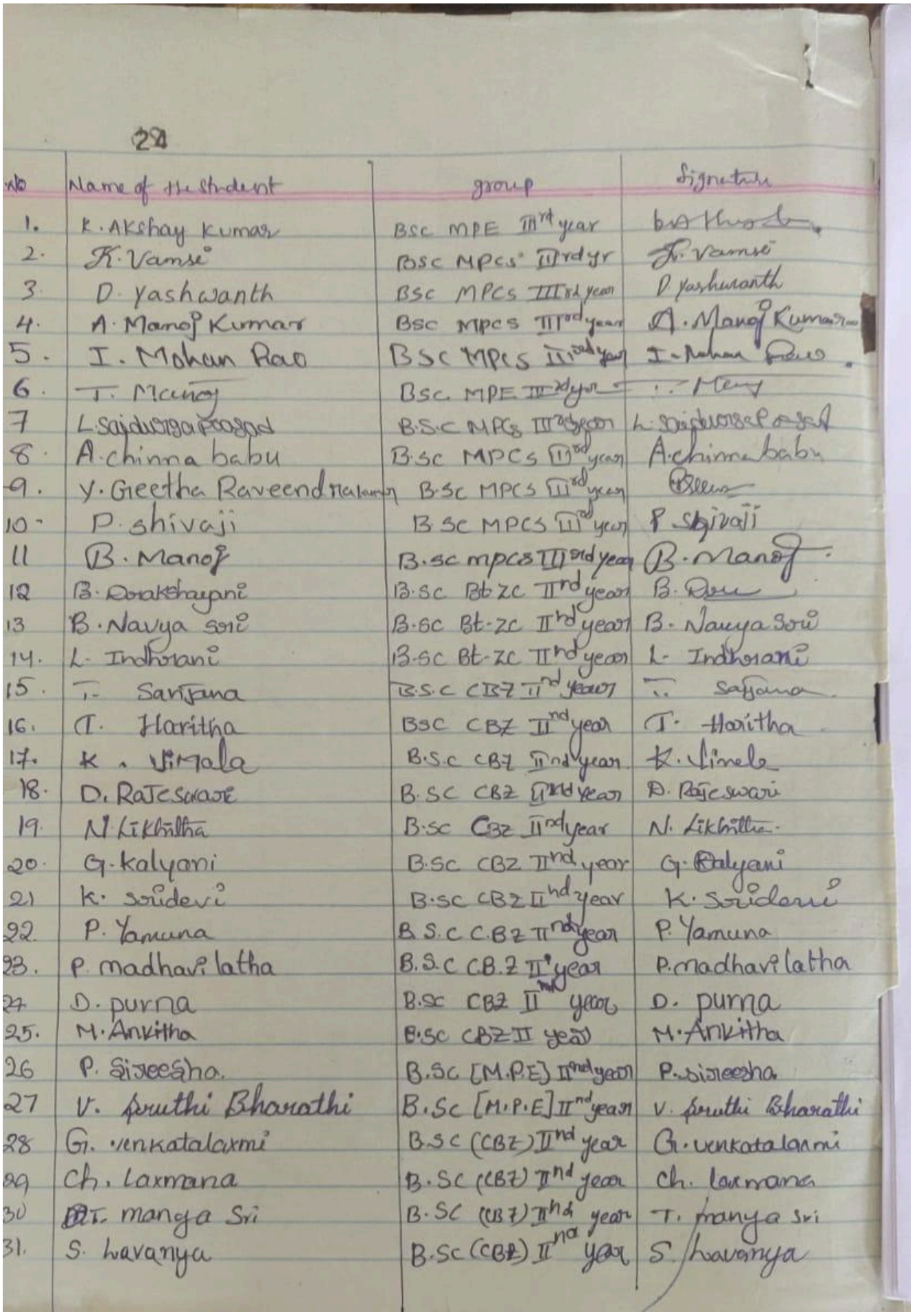
The organizing committee expresses sincere gratitude to R.Ravisankar for their invaluable contribution to the success of the event. Special thanks to all participants and committee members for their active involvement and support.

Future Initiatives:

Building on the success of this lecture, [Organizing Committee or Institution Name] looks forward to organizing more such events that promote academic enrichment and foster a culture of intellectual curiosity within the institution.

In conclusion, the guest lecture on Mean Value Theorems was an enriching experience for all attendees, contributing significantly to the academic atmosphere of our institution.

SIGNATURE OF THE STUDENTS



No	Name of the student	group	Signature
1.	K. Akshay kumar	BSc MPE III rd year	
2.	K. Vamsi	BSc MPCs III rd yr	K. Vamsi
3.	D. yashwanth	BSc MPCs III rd year	D yashwanth
4.	A. Manoj Kumar	Bsc MPCs III rd year	A. Manoj Kumar
5.	I. Mohan Rao	BSc MPCs III rd year	I. Mohan Rao
6.	T. Manoj	Bsc. MPE III rd yr	T. Manoj
7	L. saidurgaprasad	B.Sc MPCs III rd year	L. saidurgaprasad
8.	A. chinna babu	B.Sc MPCs III rd year	A. chinna babu
9.	Y. Geetha Raveendra	B.Sc MPCs III rd year	
10.	P. shivaji	B.Sc MPCs III rd year	P. shivaji
11	B. Manoj	B.Sc mpcs III rd year	B. Manoj
12	B. Arakshayani	B.Sc Bt zc II nd year	B.
13	B. Navya sri	B.Sc Bt-zc II nd year	B. Navya sri
14.	L. Indhorani	B.Sc Bt-zc II nd year	L. Indhorani
15.	T. Sanjana	B.S.c CBZ II nd year	T. sanjana
16.	T. Haritha	BSc CBZ II nd year	T. Haritha
17.	K. Vimala	B.S.c CBZ II nd year	K. Vimala
18.	D. Rajeswari	B.SC CBZ II nd year	D. Rajeswari
19.	N. Likhitha	B.Sc CBZ II nd year	N. Likhitha
20.	G. kalyani	B.Sc CBZ II nd year	G. Kalyani
21	K. sridevi	B.Sc CBZ II nd year	K. Sridevi
22.	P. Yamuna	B.S.c C.BZ II nd year	P. Yamuna
23.	P. madhavi latha	B.S.C CB.Z II nd year	P. madhavi latha
24.	D. purna	B.Sc CBZ II nd year	D. purna
25.	M. Ankitha	B.Sc CBZ II year	M. Ankitha
26	P. Sireesha.	B.Sc [M.P.E] II nd year	P. sireesha
27	V. Pruthi Bharathi	B.Sc [M.P.E] II nd year	V. Pruthi Bharathi
28	G. venkatalaxmi	B.S.C (CBZ) II nd year	G. venkatalaxmi
29	Ch. Laxmana	B.Sc (CBZ) II nd year	Ch. laxmana
30	T. manya Sri	B.Sc (CBZ) II nd year	T. manya sri
31.	S. havanya	B.Sc (CBZ) II nd year	S. havanya

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