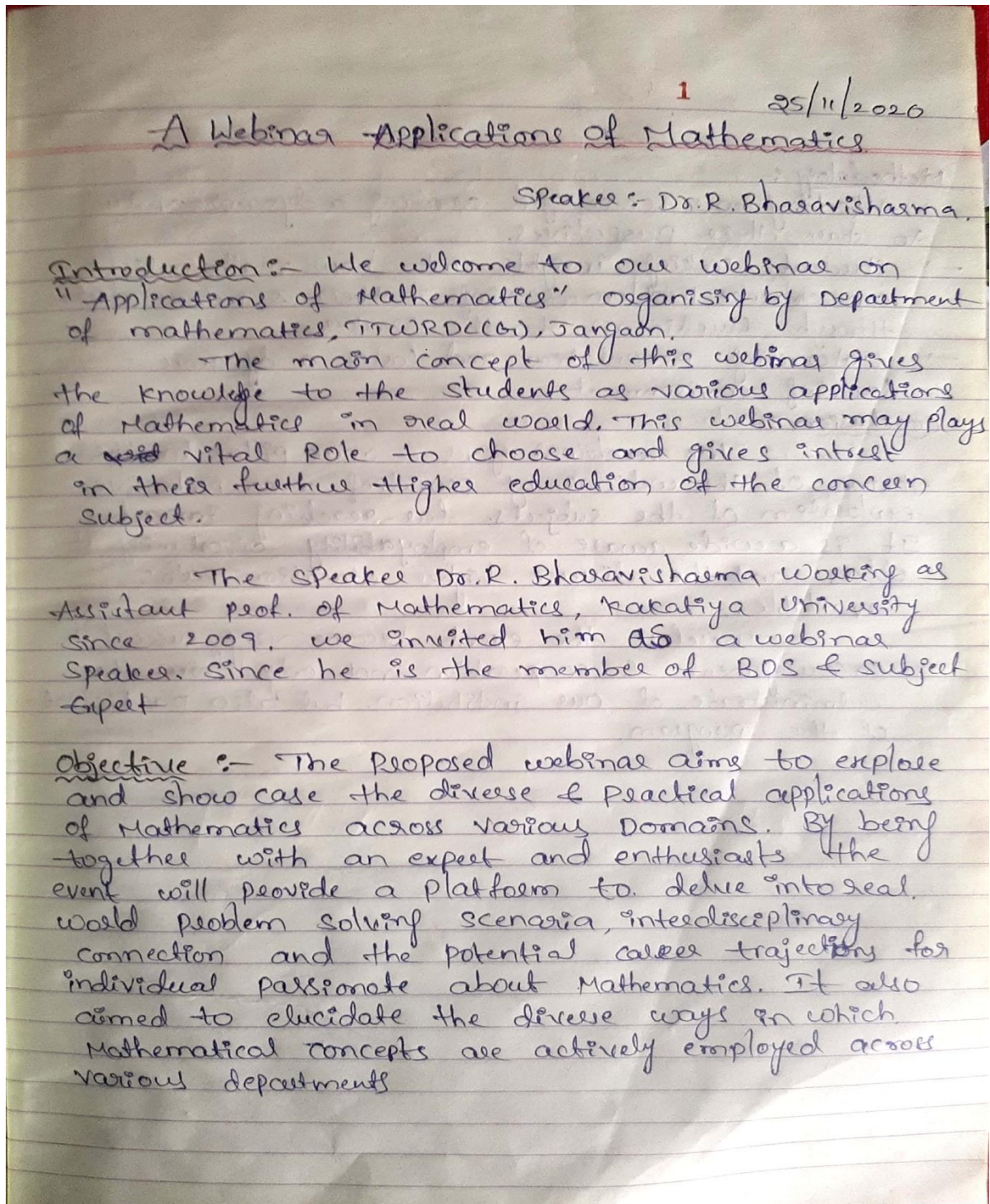


**GOVERNMENT OF TELANGANA STATE**

**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE  
COLLEGE (G) Janagaon, Janagaon-DIST.  
EmailId:ttwrdcgirls.janagaon@gmail.com**

**Webinar on  
"APPLICATIONS ON MATHEMATICS"**

**ACADEMIC YEAR: 2019-20**



### Methodology:-

- > Attendings were encouraged creating a dynamic virtual to share their perspectives.
- > Student seeking insights into how mathematics can enhance problem-solving in their respective fields through Questionair to the speaker.
- > Interacting presentation and foster a dynamic learning environment.

### Conclusion:-

The webinar gives a man pillar to the theme of the webinar by providing a comprehensive exploration of the subjects. far-reaching impact. It is a wide aware of employability opportunity it offers, and the diverse higher education paths available.

Therefore the event become very successful encouragement & cooperation not only from the administrate of our institution, but also participate of the program.

## Report on the webinar "Applications of Mathematics"

AS the session started on \_\_\_\_\_ with the inaugural session through online under zoom link.

AS the coordinator of this <sup>webinar</sup> from the department of Mathematics Ch. Veinelaiveena, given a brief introduction about the speaker Dr. R. Bhavisharma, Asst. Prof. of Mathematics, Kakatiya University. AS he is an esteemed expert in delivering an enlightened lecture focuses on the fundamental aspects, employability opportunities and higher education paths in various fields that incorporate Mathematics.

Later, the convenor of the webinar Dr. M. Haripriya, Principal of our institution has addressed the event and shared the views of conducting this webinar being a potential career trajectory path for every student.

The session was continued by handing over to the speaker. He was interacted with the participants and analyzed the knowledge regarding future aspects. He has given insights on

- Foundational aspects - A solid understand of mathematical principles serve as a catalyst for critical thinking and problem-solving.
- Employability opportunity
- The lecture showcased examples of how individual with mathematical expertise contribute significant to industries & organization.
- Higher education opportunity - lecture provided an

The lecture explored how pursuing higher education in Mathematics open diverse to advanced career trajectories from academic and research to industry leadership roles, individually with advanced degree in Mathematics are well-positioned for impactful contributions.

### Feedback :-

Participants were assessed through by sharing ideas for research oriented projects. Their feedback was very positive.

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Head of the Department  
Dept. of Mathematics  
TTWRDC (Girls) JANGAON

M. P. Singh

Principal  
TTW Residential Degree College (Girls)  
JANGAON

1. A. Nandini
2. B. Mounika
3. B. Anitha
4. B. Bhoomika
5. B. Mamatha
6. B. Mounika
7. B. Sandhya
8. Ch. laxmiprasana
9. G. Mamatha
10. G. Amulya
11. G. chaitanya
12. G. Reja
13. G. Kavyassri
14. K. Divya
15. A. Rajini
16. A. shishisha
17. B. Akhila
18. B. Vasantha
19. B. Manjula
20. B. majuna
21. J. Maheshwari
22. K. Mamatha
23. M. sumalatha.
24. M. Mounika
25. M. Nismala

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M. H. ...  
**Principal**  
 ITW Residential Degree College (Girls)  
 JANGAON

Workshop on  
Introduction To MATLAB for Apply Science Students

Academic Year : 2020-21



**TWO DAYS WORKSHOP  
ON  
"INTRODUCTION TO MATLAB FOR APPLIED  
SCIENCE STUDENTS"  
TTRWDC(W) JANGAON  
Department of mathematics  
30/03/2021 TO 31/03/2021**

  
Dr .R.S.Praveen Kumar  
Secretary TSWREIS/  
TTWREIS

  
Dr. Adigoppula Raju,  
Assistant Professor,  
Dept. Of Mathematics,  
Malla Reddy University,  
Hyderabad.

  
Dr.Pravin Kashyap Kambhatla,  
Lecturer in Mathematics,  
VIT,Vellore.

**PROGRAM COORDINATOR CUM  
ORGANIZER:**  
Dr. Hari Priya Principal  
Dr. A. Manjuvani Vice Principal  
CH. Vennela Veena  
P.Sharadha

For Registration go to this link:  
[https://docs.google.com/forms/d/e/1FAIpQLScOUt-Rm42J6pHCqYx7W\\_Y1hFyVDwtQRbuvy0TD7-IXKg4V6A/vie](https://docs.google.com/forms/d/e/1FAIpQLScOUt-Rm42J6pHCqYx7W_Y1hFyVDwtQRbuvy0TD7-IXKg4V6A/vie)

ON 30/03/2021      ON 31/03/2021  
Time:11:00AM TO 1:00PM

## Programme Details

### Introduction:

We proposed to organizing a MATLAB workshop tailored for graduates of our institution. MATLAB, a widely used Programming language and environment in engineering and scientific fields, offers a valuable skill set that can enhance the graduates academic foundation and employability in various industries.

### Objective:

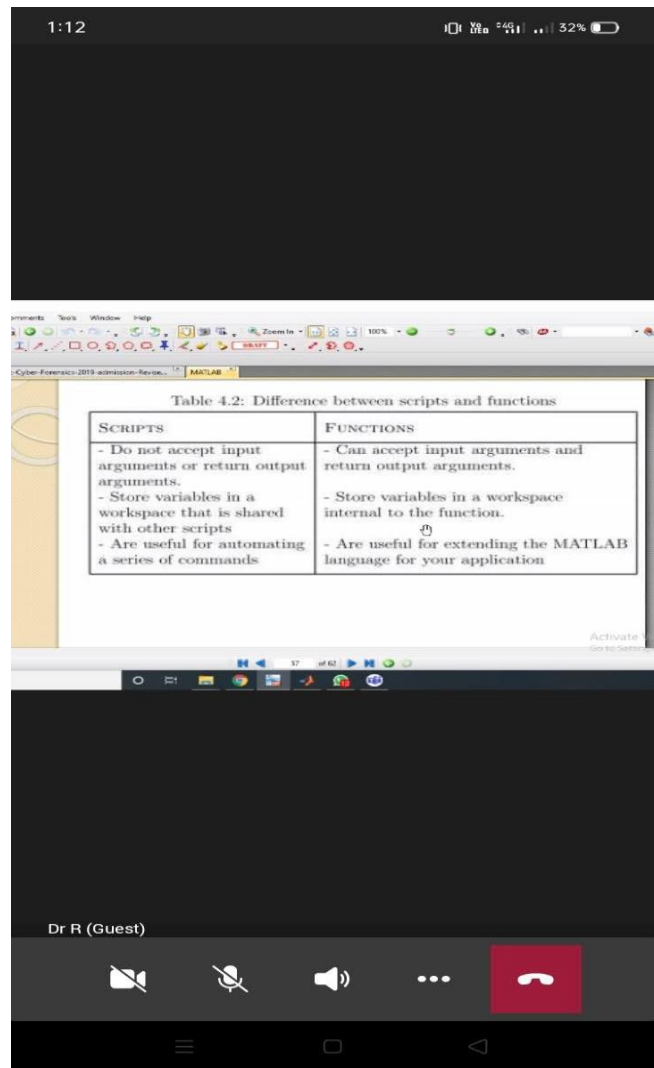
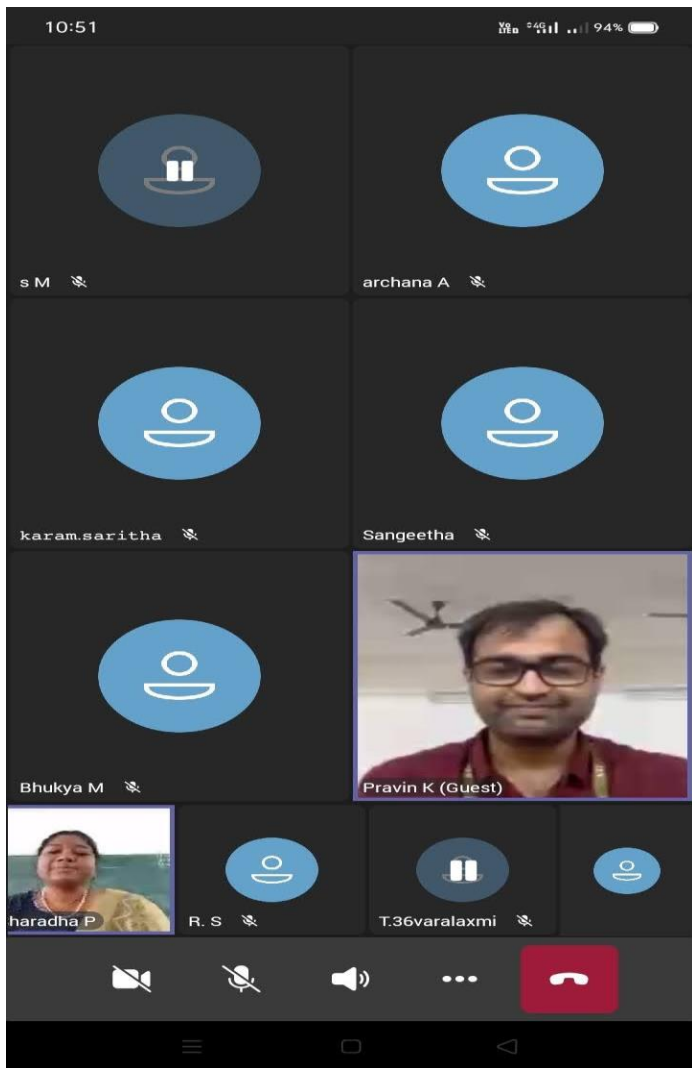
The primary objective of the workshop is to equip graduates with practical MATLAB skills, empowering them to apply computational methods to real world problems-solving. The program focuses on hands on learning to gain proficiency in MATLAB programming.

### Components of Workshop:

- Basic Concepts and Syntax
- Mathematical function and plotting
- Matrix Generation
- Operation on Matrices
- Algorithm Development
- File functions

Type of Activity	Seminar
Date of Programme	30 <sup>th</sup> and 31 <sup>st</sup> March 2021
Name of the Department Organized	Department of Mathematics
Name of the Organizer	Dr. M.Hari Priya, Principal(FAC)
Name of the Coordinators	Ch. Vennela Veena and P.Sharada
Names of the Resource Persons	Dr. Adigoppula Raju and Dr.Pravin Kashyap Kambhala
No. of Participants	80

- Debugging Process
- Project based learning



## Programme Benefits:

The equip graduates with a valuable skill set sought after by employers across various industries. Strengthen their resumes, provide a foundation for graduates for pursuing higher education or engaging in research projects create a platform for our students to connect with professional. Foster a supportive community for continued learning and collaboration.

## Conclusion:

Organizing a MATLAB workshop for our students aligns with our commitment to providing practical industry-relevant skills. This initiative aims to empower graduates with the proficiency to tackle complex problems using MATLAB fostering their professional development and success in diverse career paths.



## Report on MATLAB Workshop

<b>Date:</b>	30 <sup>th</sup> and 31 <sup>st</sup> March 2021
<b>Mode</b>	Online through Zoom
<b>Speakers</b>	<b>1. Dr. Adigoppula Raju</b> Assistant Professor Department of Mathematics Malla Reddy University Hyderabad
	<b>2. Dr. Pravin Kashyap Kambhala</b> Assistant Professor in Mathematics VIT Vellore Vellore Tamilnadu
<b>Guest of Honour:</b>	Dr. M. Hari Priya Principal(FAC) TTWRDC(W), Janagaon
<b>Coordinators</b>	1. Smt. Ch. Vennela Veena Lecturer in Mathematics 2.Smt.P.Sharada Lecturer in Mathematics
<b>Participants</b>	Staff and All Students

The Department of Mathematics organized a two day workshop on “Introduction to MATLAB for Science students on through online by Zoom link from 30/03/2021 to 31/03/2021. Two resource persons has been act as speakers from reputed organizations. This workshop aimed to introduce students to know the fundamentals of MATLAB Programming as this providing them with essential skills to use MATLAB for numerical computing, Data Analysis and Visualization.

The workshop spanned for two days with each session lasting 3 hours a day allowing for a comprehensive exploration of key MATLAB concepts. As the programme was conducted through online in Zoom and provided a registration link and programme link.

On the first day, one of the coordinator Smt.P.Sharada, Has given a brief introduction and introduced the speaker of the first day as the Later as Guest of Honour Dr.M.Hari Priya, Principal of College emphasized and embark on a journey of numerical computing. As MATLAB stands for matrix laboratory, with its powerful capabilities has revolutionized the way we approach complex problems. Lets collaborate to learn and unlock the potential of this incredible tool together. The session handed over to the speaker of the first day.

### Session I (on DAY-I)

The first speaker **Dr. Adigopula Raju** demonstrated and interacted the students with the following concepts

- Introduction to MATLAB

- Overview of MATLAB and its applications
- Discussed Basic Commands and Syntax
- Creating 2D and 3D plots with Mathematical Functions
- Matrix Generation and examples.

On the next day I.e. 31/03/2021, the other coordinator of the programme Smt.Vennela Veena, has introduced the second speaker, as he is an eminent speaker in emphasizing software tools.

### **Session II** (on DAY-II)

The Speaker **Dr.Pravin Kashyap Kambhala** deliberated a lot of information regarding logics in Array operations and Linear Equations.

- Array operations
- Solving Linear equations by some examples solving
- Introduction o M-File functions
- Control flow
- Debugging Process

### **Methodology:**

- ✧ Interactive lectures with real-time coding examples
- ✧ Question and Answer session to address participants queries

### **Feed back:**

Participants were assessed through by sharing ideas for research oriented projects. Their feedback was very positive. They have been trying to solve simple problems using MATLAB by showcasing their understanding of the concepts covered.

### **Outcome:**


Participants demonstrated improved proficiency in MATLAB programming with positive feedback indicating the confidence in utilizing MATLAB programming for academic and research needs in further.

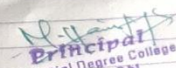
Overall, the MATLAB programming workshop proved to be a success equipping students with basic skills for their professional endeavors.



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1. A. prameela
2. B. Bhuvaneshwari
3. B. Nirosha
4. B. Sravani
5. B. Anusha
6. B. Radhika
7. B. Sujatha
8. B. Susapna.
9. B. Vijaya.
10. A. Soujanya
11. P. Moumika
12. R. Manasa
13. S. Jasmine.
14. Ch. Shaathi.
15. V. Rashmita.
16. V. Nikitha
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