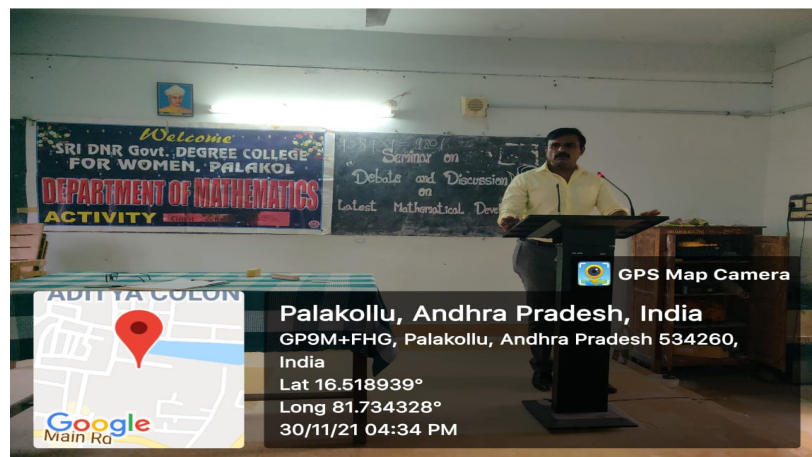


# Department of Mathematics

Date:30/11/2021

**Description:** The department of Mathematics organized a student seminar on “Debate and discussion on latest Mathematical Developments”. All B.Sc. students nearly 73 have attended and 9 members have given a talk on this topic.



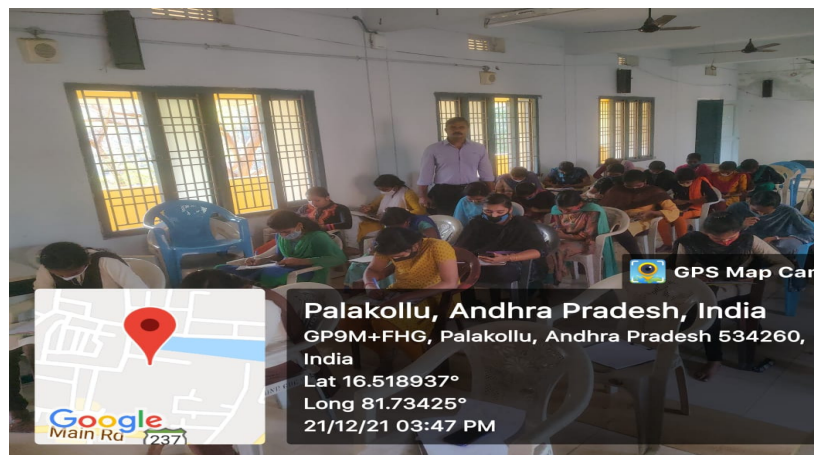
**Objective:** The benefit of such disclosure include clarifying understanding ,constructive convincing arguments developing latest mathematical ideas. In recent years some of the most noteworthy finding have been in topology, number theory and geometry.

**Outcome:** After successful completion of this debate students able to learn Mathematics has significantly helped the development of science and technology for thousands of years and will continue to do so now. It allows students to produce systematic, reproducible and transmittable knowledge.

# Department of Mathematics

Date:21/12/2021

**Description:** The department of Mathematics conducted a National level Quiz competition on Mathematics held at seminar hall on 21/12/2021, 3 P.M. Nearly 340 students registered for this event. E-Certificate provided the students who has qualified the test. And cash prizes announced the students who got highest mark.



**Objective:** The objective behind to organize the Quiz competition is to evaluate the knowledge of the student within the academic as well as beyond the academic and to make them familiar with the prospect of quizzes and the objectivity of the questions.

**Outcome:** The quiz helped students identify what they know and what they don't know. The students then have a better idea of how well they are grasping the material, hopefully motivating them to study more and helping them allocate their study time effectively by focusing on the information that still needs more practice.

# Department of Mathematics

Date:22/12/2021

**Description:** The department of Mathematics conducted a National Mathematics day to memorize the birthday of generous Mathematician Srinivasa Ramanujan. And also 12 students have given a speech on Ramanujan. In this program all B.Sc. students participated. Cash prizes were given to students who got highest mark in online quiz.

I prize : S.Deenamani RS.3,000

II Prize : B.Suchitra Naga durga, k.chaitanya Rs.2,000

III Prize: B.Eswari Rs.1,000



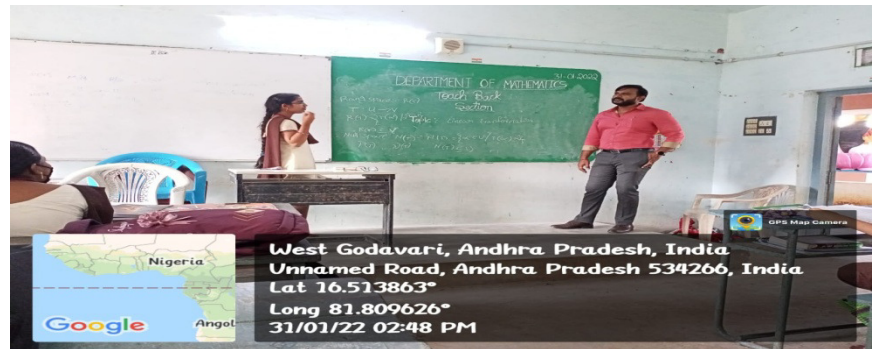
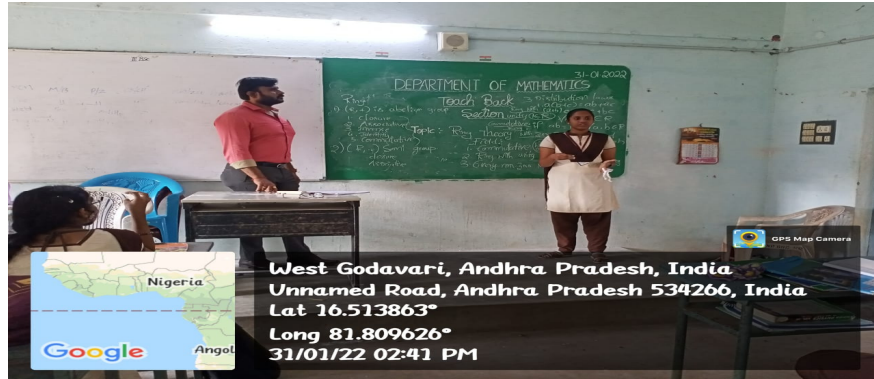
**Objective:** December 22 was designated as National Mathematics day of Government of India 2012. The celebration aim at spreading awareness about the importance of mathematics and contribution made by Srinivasa Ramanujan in the field of Mathematics

**Outcome:** The day aims to spread awareness about importance of Mathematics and remove the fear associated with maths in minds of students.

# Department of Mathematics

Date:31/01/2022

**Description:** The department of Mathematics organized teach back session on topic “Ring Theory and Liner Algebra” for III B.Sc. students on 31/01/2022 held at class room. Total 18 students were participated and 4 given a teach back on the above topic.



**Objective:** Teach back is a practice where the teacher asks students to explain a concept from the lesson by taking on the role of teacher. This practice allows the teacher to gauge the students understanding of a topic or concept as well as determine how effectively the topic was explained.

**Outcome:** Teach-back encourages the students to check for understanding the topic. To check the understanding by asking the students to state in their own words what they need to know of do about the topic.

## Department of Mathematics

Date:31/01/2022

**Description:** The department of Mathematics conducted Clean& Green program done by III B.Sc. students on 31/01/2022 held at campus. Total 18 students were participated in this program.



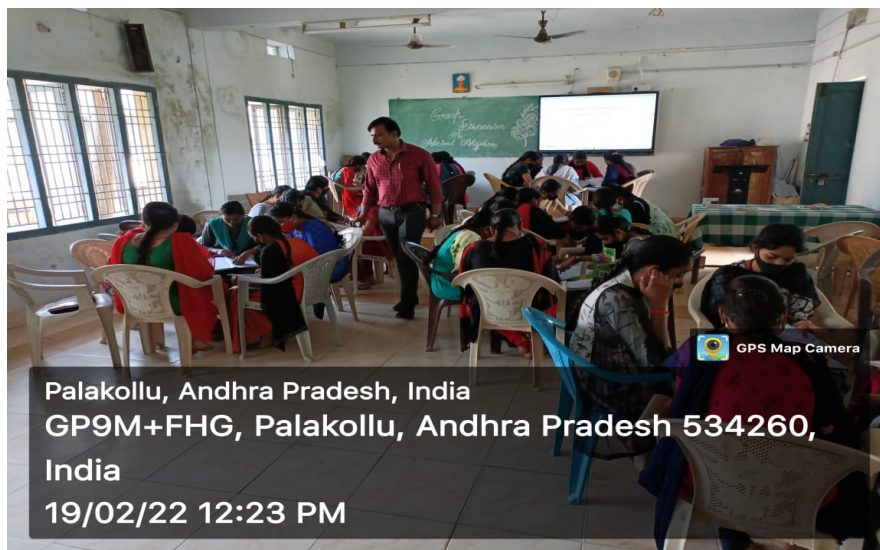
**Objective:** Our college has initiated the green campus program in order to support a sustainable and climate – friendly environment. The main objective of this program are environment awareness and education, green land scape in the campus.

**Outcome:** This program encourages the students and responsibility to keep our college and common areas safe and clean. The main focus behind this program is to ensure the sustainability of sufficient water, materials and other resources for our future generation.

## Department of Mathematics

Date:19/02/2022

**Description:** The department of Mathematics organized a group discussion on “Abstract Algebra “ for II B.Sc., III semester students at seminar hall on 19/02/2022. In this event 37 students participated and split into 7 groups.



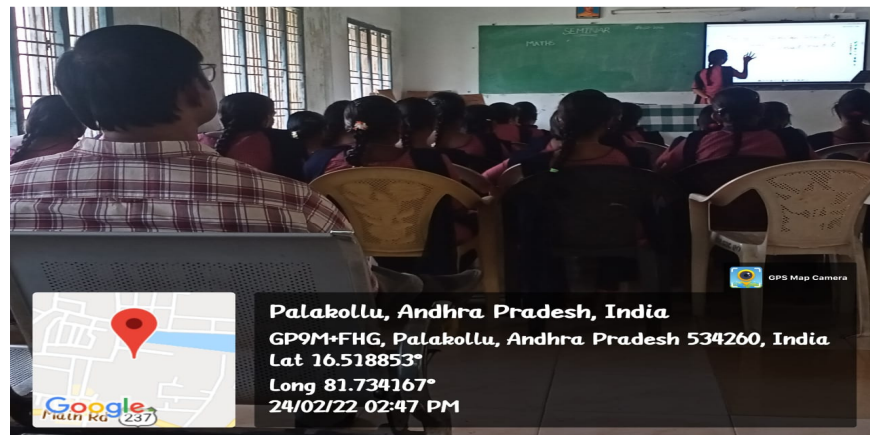
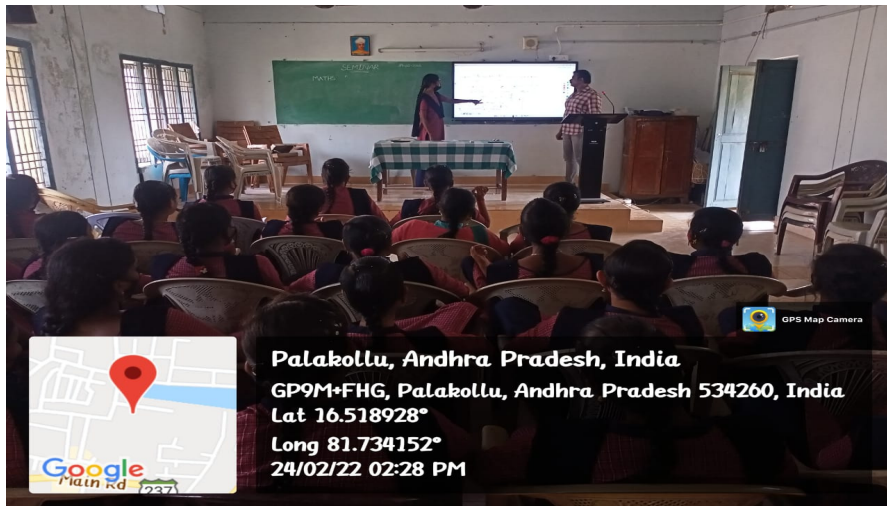
**Objective:** The purpose of this discussion is to help each group member explore and discover personal meaning of the definitions, Theorems, problems on this topic through interaction with other students.

**Outcome:** After completion of this discussion they got mutual knowledge gaining, improving thinking, listening and speaking skills

## Department of Mathematics

Date:24/02/2022

**Description:** The department of Mathematics conducted a seminar on “Differential Equations “ for I B.Sc., I semester students at seminar hall on 24/02/2022. In this event 52 students participated and 10 students have given a talk on this topic with different models



**Objective:** This seminar assists inductive reasoning when solving problems and students to exchange ideas to communicate and discuss several models in this topic.

**Outcome:** Upon successful completion this seminar students will be able to describe several diverse examples and also engage in analyzing, solving and computing applications with breeding fresh ideas

## Department of Mathematics

Date:25/02/2022 & 26/02/2022

**Description:** Sri DNR GDC(W) organized a Science exhibition to commemorate the National Science Day celebrated to mark the discovery of the Raman effect by Sir C.V.Raman (28<sup>th</sup> February 1928) on 25/02/2022 & 26/02/2022. Nearly 26 Mathematics students exhibited 10 project models in this event. Teachers and students from different schools and colleges visited to this exhibition



**Objective:** The main objective of Mathematics exhibition is to inculcate interest in Mathematics among the students .To build different mathematical skills and concepts with visualization.

**Outcome:** This exhibition creates awareness to people about the importance of Mathematics. It also motivates the students who want to do something unique in the field of Science and Technology.

# Department of Mathematics

Date:14/03/2022

**Description:** The department of Mathematics organized International Mathematics day on 14 th March 2022. Some students given a talk on why March-14 is Pi day and also given relation between March-14 and the value of Pi is 3.14. In this event all B.S.c. students participated.



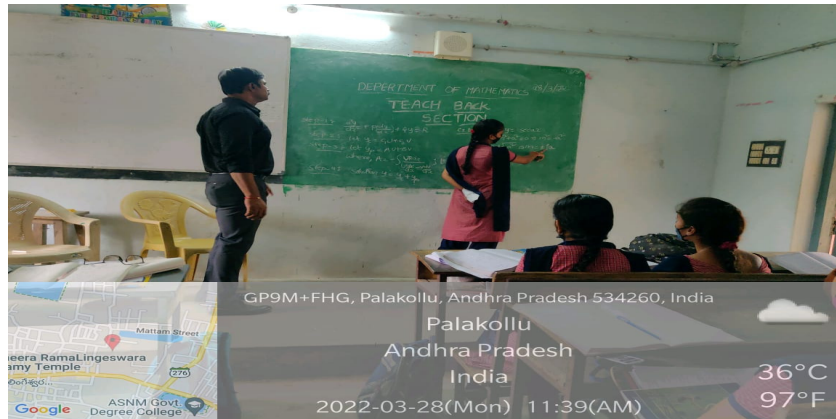
**Objective:** The International day of Mathematics is the opportunity to explain and celebrate the essential role that Mathematics and Mathematics education play in breakthrough in science and technology, improving the quality of life, empowering women and girls, and contributing to the achievements of sustainable development.

**Outcome:** After completion of this it is a great day to remember the importance of March and how it is all around us. Pi day observed on March 14 (3rd month 14th day format) since 3,1,4 are the first three significant digits of PI.

# Department of Mathematics

Date:28/03/2022

**Description:** The department of Mathematics conducted a teach back session to the I B.Sc students on “Method of variation of parameters” in differential equations on 28/03/2022 held at class room. Total 50 students were participated and 3 have given a tlak on this topic.



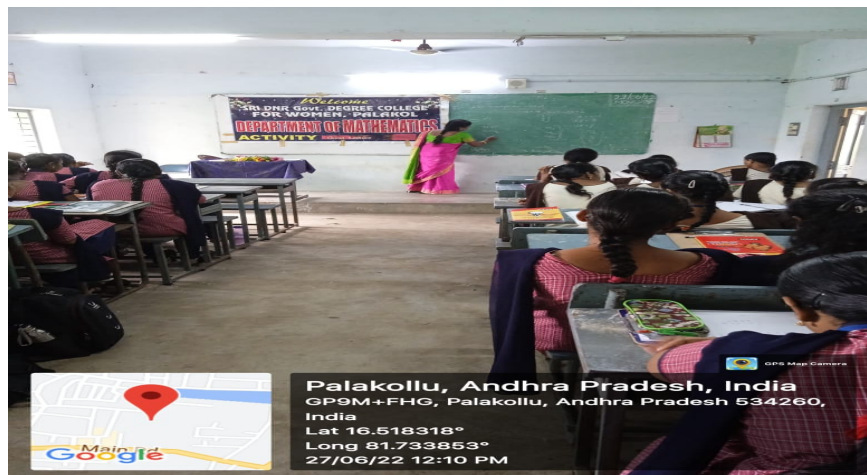
**Objective:** This is an evidence based communication technique used to help students remember and understand important information. Asking the students to teach to the topic in their own words what the need to know or do in a non-sharing way

**Outcome:** To check the understanding by asking the students to state in their own words what they need to know or do about the topic.

# Department of Mathematics

Date:27/06/2022

**Description :**On 27/06/2022 the department of Mathematics organized a guest lecture for III B.Sc. students given by Dr.B.Jyothi, Lecturer in Mathematics DNR(A) College, Bhimavaram a talk on “Numerical Analysis &Advanced Numerical Analysis” at class room. In this event total 40 students participated(including III & I B.Sc. )



**Objective:** The purpose of this guest lecture is to apply numerical methods to obtain approximate solutions to Mathematical problems also to derive numerical methods for various mathematical operations and tasks such as interpolation, differentiation, integration, the solution of linear and non-linear equations and the solution of differential equations.

**Outcome:** Up on successful completion of the Guest lecture the student will analyze and evaluate the accuracy of common numerical methods. Student get new perspectives and opinions that are often missed in a regular class. Students can also a new interest in a topic where previously they had little interest.

## Department of Mathematics

Date:21/07/2022

**Description:** The Government of India is organizing the series of events in the names of Azad Ka Amrit Mahostav commemorating the 75<sup>th</sup> anniversary of Indians Independence. In this regard we are conducting a seminar on “Indian Freedom Fighters” on 21/07/2022 at 11 AM, Seminar Hall. Freedom fighters were people who sacrificed their lives selflessly for the freedom of their country. Every country has fair share of freedom fighters. In this event 95 students participated and 4 students have given a talk on it.



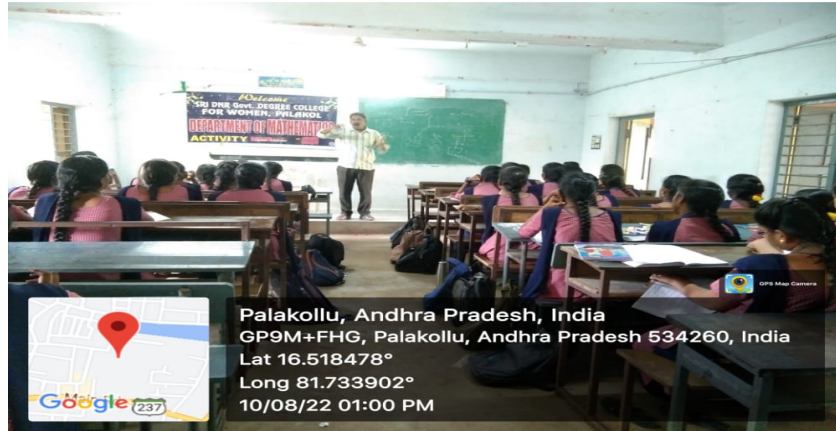
**Objective:** Create an awareness among younger generation about freedom fighters and their relevance and information about the role of freedom fighters, great personalities, writers, literacy persons and journalists.

**Outcome:** Students learnt how the freedom fighters struggle gave a new color of India. This program creates the students about freedom fighters, most importantly how the freedom fighters inspired and motivated others to fight injustice, they were pillars behind the freedom moment.

# Department of Mathematics

Date:10/08/2022

**Description :**On 10/08/2022 the department of Mathematics organized a guest lecture for I B.Sc. students given M.siva, Lecturer in Mathematics, B.V.Raju College, Bhimavaram a talk on “Analytical three dimensional solid geometry” at class room. In this event total 53 students participated.



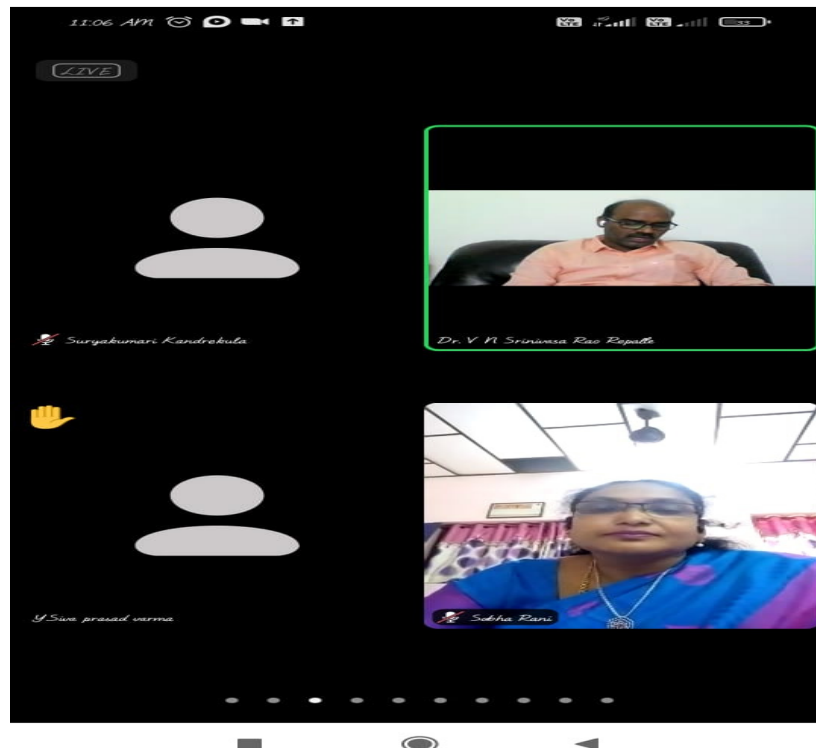
**Objective:** The purpose of this guest lecture is learning shapes help the students learn to differentiate between objects. In order to memorize how shapes are different from one another, they will learn to pay attention to the little details that distinguish shapes.

**Outcome:** This guest lecture gives the students to able the concept clarity, properties of 3D shapes and recognize shapes in the environment.

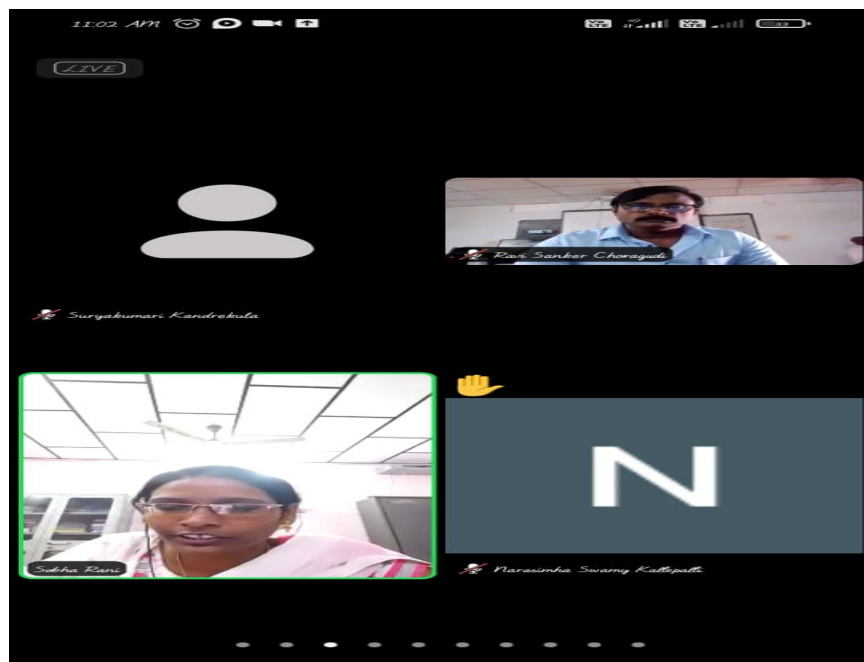
## Department of Mathematics

Date:20/10/2022

**Description :** Department of Mathematics and Computer science jointly organized and International Webinar on” Mat-Lab- An Over View “ (Matrix laboratory) on 20/10/2022 from 11 AM to 1 PM. We had amazing response and got 708 people across the globe have registered for this webinar. We received registrations from African countries like Ethiopia and Kenya etc. and prestigious Indian institutions like IIT Bombay/Delhi/Madras, NIT Calicut(Kerala) and Indian Institute of Engineering Science and Technology, Shibpur (West Bengal) and from many top ranked engineering colleges from Andhra Pradesh and Tamil Nadu. Also we received forms from different universities and their affiliated GDCs, aided colleges, private unaided colleges in the state. Prof.R.V.N.Srinivas Rao, Department of Mathematics, Wollega University, Ethiopia acted as a resource person.



**Objective:** To introduce how to use MAT LAB software for teaching & learning , conducting research.MAT LAB is high performance language for technical computing .It integrates computation ,visualization and programming in an easy- to-use environment where problems and solutions are expressed in familiar Mathematical notation. Typical uses include Math and computation, Algorithm development and to enhance knowledge and skills.



**Outcome:** The faculty and students are familiarized with appropriate use of powerful Mathematical software MATLAB. It enhances the teaching, learning skills of participants and at the end of this webinar they are able to understand the basics of MATLAB.

**Webinar Brochure:**

**Registered Participants List:** [https://docs.google.com/spreadsheets/d/1vvGwQozSHW\\_1R-eEplvhLhdwJHiE\\_H8-0iXIYsF8844/edit#gid=67519686](https://docs.google.com/spreadsheets/d/1vvGwQozSHW_1R-eEplvhLhdwJHiE_H8-0iXIYsF8844/edit#gid=67519686)

**Zoom Link:** <https://somaiya-edu.zoom.us/j/93415320613?pwd=ZnBMRU9hcDRRNjVDK3BWTUZTeFhIzZ09#success>

**YouTube Link:** <https://www.youtube.com/watch?v=WvoaLFwTmcU>

**Feedback Response List:**  
[https://docs.google.com/spreadsheets/d/1G1e8LvX0KwiILGHKtb4eu3kEphZ\\_WqxUHpcUvJBFjo/edit#gid=1951596085](https://docs.google.com/spreadsheets/d/1G1e8LvX0KwiILGHKtb4eu3kEphZ_WqxUHpcUvJBFjo/edit#gid=1951596085)