



**Y.A.GOV'T DEGREE COLLEGE FOR WOMEN::CHIRALA**

**DEPARTMENT OF MATHEMATICS**

**ACTIVITIES**

**(2024-2025)**

## Department of Mathematics Activities :: 2024-2025

<b>S.NO</b>	<b>NAME OF THE ACTIVITY</b>	<b>DATE</b>
1.	Students Seminar	08/09/2024
2.	Field Visit To Ksr Handlooms	27/11/2024
3.	Elocution Competition	10/12/2024
4.	Essay Writing Competition On Indian Mathematicians	11/12/2024
5.	National Mathematics Day Celebrations	22/12/2024
6.	Painting Competition ( Judge )	27/11/2022
7.	Rangolocompetition ( JUDGE )	29/11/2024
8.	Aids Day Rally	30/12/2024
9.	Guest Lecture	28/01/2025
10.	Voters Day Awareness Rally	25/01/2025
11.	Maths Exhibition	28/02/2025
12.	Memory test	13/03/2025
13.	Pi-Day celebratins	14/03/2025

**Student Seminars**

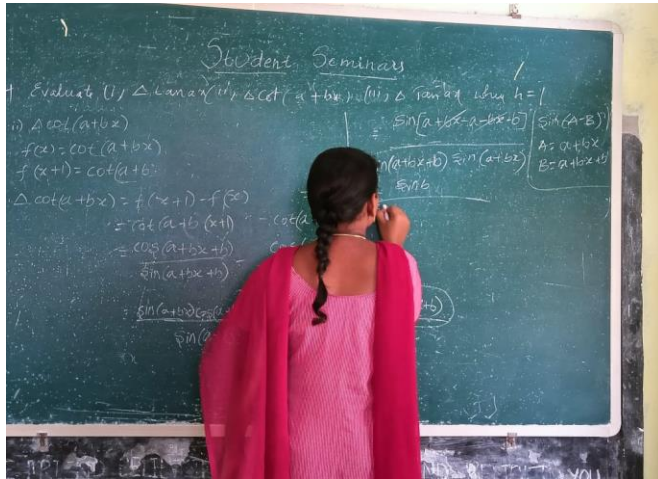
08-09-2024

**Aim and Objectives of the Programme:**The purpose of Student seminars is to make the students Enhance their Self learning ability , to develop their Speaking Skills, to learn the Concepts in depth, to learn the art of public speaking that gives the students self boost and confidence to speak in front of large number of audience. Virtual seminar helps the students to know the usage of ICT. It also helps the students to develop their self Expression and Confidence

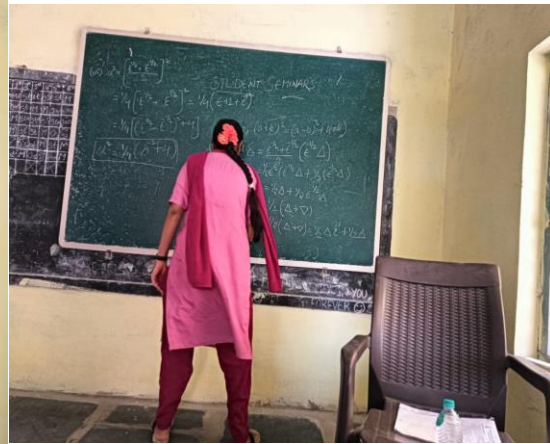
**Report:**

Faculty of Department of Mathematics arranged Student seminars for III BSC students in “FINITE DIFFERENCES”

**No of students participated : 20**



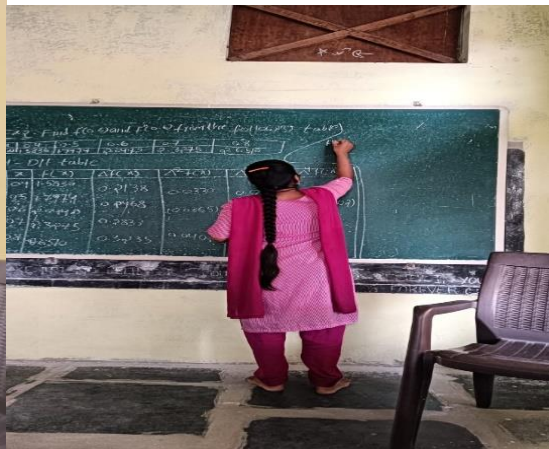
Annapurna's presentation



Geethanjali's Presentation



Harini's presentati



Prasanth's

## **FIELD VISIT TO KSR HANDLOOMS**

**DATE: 27.11.2024**

### **OBJECTIVE:**

The objective of the field visit is to provide students with a broader perspective on the intersection of **traditional industries** and **modern technology**.

Below are the primary objectives of the visit:

1. Understanding the Role of Technology in Traditional Industries.
2. Hands-On Experience with Production Systems.
3. Inspiring Creativity and Innovation in Students.

### **DESCRIPTION:**

**A field visit to KSR Handlooms, located in Chirala, was organized by the Department of Mathematics in Collaboration with Computer Science Department, Y.A. Government College, Chirala for the III year B.Sc Mathematics & IB. sc Computer science Honours students. This visit aimed to provide students with a practical insight into the traditional handloom industry and its integration with modern technology and importance of weavers in today's mechanized world.**

KSR HANDLOOMS PVT.LTD is a one of the largest single located In- house manufacturing unit like Warping, Dyeing, Weaving, Printing, Embroidery, Garments, Finishing and "R&D" design studio in the country. Founding in the year 1990 out of the Entrepreneurial spirit of Mr. Kouthavarapu Srinivasa Rao Garu Chairman & Managing Director and his wife Mrs. K. Bala Prabhavathi is the Director of "KSR HANDLOOMS PVT.LTD" located in Chirala Andhra Pradesh. He started his career as a master weaver after the successful entrepreneurship in the year 2010 with the employees of 200 weavers incorporated a company in the name of KSR handlooms Pvt.ltd. He has been introduced a Chirala Unique brand of "Kuppadam sarees" and business values.

**While visiting the Handloom industry the students are divided into 2 batches and each batch consists of 15 members and the manager P. Venkat Swami explains the company profile briefly to the students and staff of Y.A Government college, Chirala. The handloom industry can be broadly divided into sections like yarn production, dyeing and printing, weaving on different types of looms, finishing and embellishment, and product design and marketing. In each Section Weavers demonstrated their techniques, and students got to observe the manual and semi-automated weaving processes.**

A session was held to discuss the potential for digital technologies in revamping the handloom sector, such as using machine learning for pattern prediction and design, or incorporating e-commerce to reach global markets. The successful field visit was well coordinated by the Manager P. Venkat Swami, and the staff Members of KSR Handlooms, Chirala.

## OUTCOME:

Overall, the field visit to **KSR Handlooms** aimed to give **computer science students** a deeper understanding of how their discipline can influence and transform traditional industries. It highlighted the role of **technology in improving productivity**, preserving cultural heritage, and fostering innovation in the handloom sector.

**NUMBER OF STUDENTS PARTICIPATED: 14**

## EVIDENCES:



*The Manager P.Venkat Swami Explain about profile of KSR Handlooms*



*The handloom weaver explains Weaving process to the staff and students*

**Different Sections in andloom Industry**



## Tailoring session



Dye and Tie Scion



Deptment of Mathematics staff & students at KSR Handlooms,Chirala



Deptment of Mathematics & Computer science staff & students at KSR Handlooms,Chirala

**Activity :** PAINTING COMPETITION ( JUDGE )

**Date :** 27/11/20214

**Objectives of the Programme :** To Creat Awareness to students about ‘WORLD FISHERIES DAY’.

**Report :** On the occasion of ‘WORLD FISHERIES DAY’, a painting competition was organized by dept of Zoology and as per the request received from the In-charge of dept of Zoology smt.N.Jayasree,lecturer in mathgematics & Smt.Sai Prasanna lecturer inpolitical science acted as judges for this even. Dr.N.Murali, principal was invited as Chief guest for this programme.

**Outcome :**Students of Zoology stream presented different paintings in anexcellent way.



No of students participated :20

Activity : RANGOLI COMPETITION ( JUDGE )

Date : 29/11/20214

Objectives of the Programme : To Creat Awareness to students about ‘WORLD AIDS DAY’

Report : On the occasion of ‘NATIONAL AIDS DAY’”, Rangoli Competition was organized by WOMEN EMPOWERMENT CELL and as per the Instructions received from the Principal Dr.n.Murali, smt.N.Jayasree,lecturer in mathgematics , Smt.A.Ankamma lecturer in Zoology & Smt.p.ratna papa lecturer in English,sacted as judges for this even. Dr.N.Murali,

Outcome :Students presented different Rangolis connecting AIDS DAY Captions in anexcellent way.

No of students participated :15



**ACTIVITY : AIDS DAY RALLY**

Date : 30/11/20214

Objectives of the Programme : To Creat Awareness to students about ‘WORLD AIDS DAY’

Report : On the occasion of ‘NATIONAL AIDS DAY”, a rally was organized by NSS &RRC Committies from our college primises to ambedkar statue near railway station.All the staff members along with their students participated in the rally.

Outcomes : Students & staff created awareness among the public about the prevension arymethods of controlling AIDS in our country using CAPTIONS & SLOGANS.

No of students participated :25



## Elocution Competition

10-12-2024

**Aim and Objectives of the Programme :** The purpose of elocution competition is to make the students to learn the art of public speaking that gives the students self boost and confidence to speak in front of large Audience. To make the students to know the formation, articulation ,and pronunciation of speech. To motivate the students to develop their self expression and confidence.

**Report:** Faculty of Department of Mathematics conducted Elocution Competition on the Life history and contributions of the great Indian Mathematicians on the occasion of NATIONAL MATHEMATICS DAY celebrations. Five Compitents participated in this competition.

**No of Contestents : 06**

**Programme Outcomes:** Students improve the skills of public speaking. Students to develop their self expression and confidence. Students transform their inner Skill



Lekhan's presentation

Navya's Sultana's presentation



WincySatwikasPresentation

Sony Sultana's presentatio

## Essay Writing Competition in Indian Mathematicians

11-12-2024

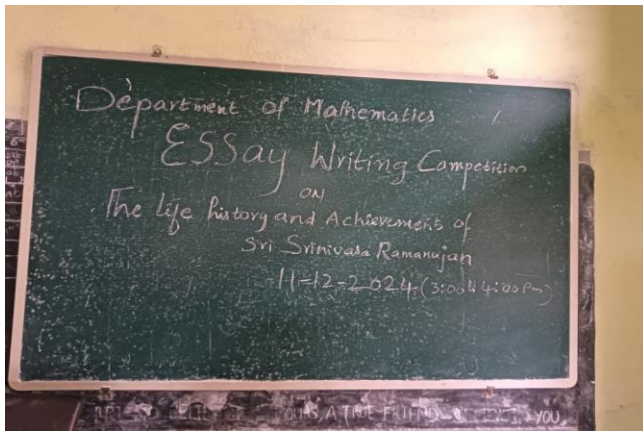
### Aim and Objectives of the Programme:

To Create Awareness to the students about the great Indian Mathematician Sri.Srinivasa Ramanujan to be remembered for his unique mathematical brilliance which he had largely developed by himself and for his self taught

**Report :** Faculty of Department of Mathematics conducted Elocution Competition on the Life history and contributions of the great Indian Mathematician Sri.Srinivasa Ramanujan on the occasion of **NATIONAL MATHEMATICS DAY** Celebrations. To create awareness to the students about the great Indian Mathematician Sri.Srinivasa Ramanujan to be remembered for his unique mathematical brilliance which he had largely Developed by himself and for his self taught

**Programme outcomes:** After the completion of the competition the students learn about the greatness of the Indian Mathematician Sri.Srinivasa Ramanujan to be remembered for his unique mathematical brilliance which he had highly developed by himself and for his self - taught.

No of students Participated :20



## National Mathematics day celebrations

21-12-2024

**Aim and Objectives of the Programme:** To Create Awareness to the Students about the great Indian Mathematician Sri. Srinivasa Ramanujan to be remembered for his unique mathematical brilliance which he had largely developed by himself and for his self-taught. To encourage the students by conducting various competitions like Quiz, Essay & Elocution competitions and to distribute prizes for the winners of the competition.

**Brief Description of the Programme:** On 21 December on the Occasion of the Day all the students gathered at Virtual Class Room. Celebrations started with the patriotic song "Vandamatharam" with all the students and Dr. N. Murali, Principal is invited as the Chief guest and guest of this programme. Principal of the College gave a brief message on the importance of the Celebrations. Later Smt. N. Jayasree, in charge of the department of Mathematics explained about the greatness of the mathematical genius Ramanujan sir. Prizes and certificates were distributed to the winners of Essay Writing and Elocution Competitions. Smt. Ratna Papa and Dr. Suresh sir and Students participated in this Programme and made it a success. Finally the programme was ended with "National Anthem".

**No. of students participated: 50**

**Programme outcomes:** Students got awareness about the National Mathematics Day. They came to know the greatness of the Indian mathematician Sri. Srinivasa Ramanujan.



Principal Dr. N. Murali addressing the students and Smt. N. Jayasree speaking on this occasion



Elocution (I prize) Sk.Rabeena (II Bsc)Essay Writing (II prize) O.WincySatwika (II Bsc)



Elocution (III prize) Sk.Sony Sultana (II Bsc)Honour to our Principal Sir Dr.N.Murali



Essay Writing (III prize) rAMYA (II Bsc) Appreciation to our Judge Smt .Ratna Pap

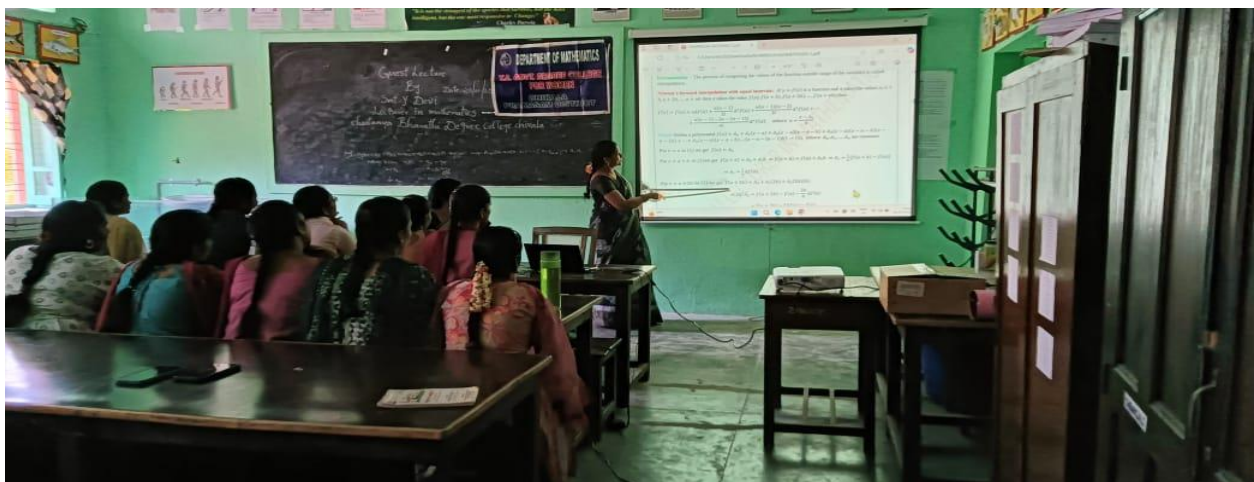
## Activity : Guest Lecture

28-01-2025

**Guest Lecture** In “NUMERICAL METHODS” was arranged with M/s Y.DEVI, lecturer in Mathematics, CHAITANYA BHARATHI DEGREE COLLEGE, CHIRALA on 28-01-20225 from 4:00 to 5:30 pm. Second year Mathematics students of COMPUTERS MAJOR (nearly 15 students) participated in this programme. M/s M/s Y.DEVI Enlighten the students with his lecture by explain the theorems of Newton Gragery Forward & Backward difference interpolation with examples and extend her lecture up to Central differences with PPT..

**Programme outcomes :** After completion of this lecture students learned to know about interpolation

**No .of Students attended: 15**



**M/s Y.DEVI explaining the topic with PPT**

**Activity : Maths Exhibition (Science Day Celebrations) 28-02-2025**

Maths Exhibition was in connection with National Science Day Celebrations was organized in Seminar Hall along with all Science Departments. All the depts. Exhibited various Exhibits from 10:30am to 1:30pm. Our Maths dept Exhibited Puzzles, magic matrices, Candy Crush Machine, Women Mathematicians Charts Games in mathematics.

**Programme outcomes :** Students & Staff enjoyed solving the puzzles and feel happy on visiting the exhibition.

**No .of Students Participated : 15**





## 11. Memory test on the number of values of Pi

13-03-2025

**Aims and Objectives of the Programme :** To create awareness among the mathematics students about the symbol pi and to determine whether students have learned what they were expected. To know the value of Pi as decimal fraction containing many digits. To make the students to know the importance of celebrating Pi day every year

**Brief Report :** March is the third month. If we express "March 14" as a decimal, we get 3.14. To make the students to know about the importance of the mathematical symbol Pi, a memory test on the digits of Pi was conducted for II BSC mathematics students. 6-members participated in this contest and K. SyamalaDevi presented highest no of digits **130**

**Outcomes of the programme:** students came to know the importance of the value of Pi and also learn the digits of Pi`

**No of students participated:** 25

## 12.PI-DAY CELEBRATIONS

14-03-2025

**Aims and Objectives of the Programme :** To create awareness among the mathematics students about the symbol pi and to know its value as decimal. Every year the day is celebrated on 14-march to recognize the constant pi.

**Brief Report :** March is the third month. If we express "March 14" as a decimal, we get 3.14

Which is an approximation to the number pi. The day is celebrated with second year students by poster presentation by Divya ,Lavanya and with few more students.

**Outcomes of the programme:** students came to know the importance of the value of Pi and also the reason for the celebration.

**No of students participated:** 25