

GOVERNMENT COLLEGE FOR WOMEN(A),SRIKAKULAM
DEPARTMENT OF MATHEMATICS
BEST PRACTICES FOR ACADEMIC YEAR 2023-24

Title of the Best practice: Coaching for APPGCET and APEDCET

Objective of the practice: To increase the academic progression of the students.

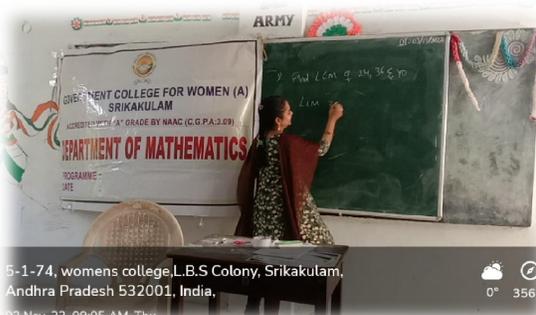
Context: The students joining into B.Sc Mathematics group are mostly first-generation learners coming from rural background. Many students don't have awareness regarding higher education and how to prepare for entrance examinations. Hence, a month coaching for APPGCET and APEDCET was conducted by the faculty of the Department of Mathematics.

The Practice: Students were given awareness regarding the job opportunities available after pursuing higher education in Mathematics. Students were motivated to appear for APPGCET and APEDCET examinations on the basis of the interests of the students. Classes for APPGCET and APEDCET were taken by Mrs Y.Prasanthi, U.Keerthika and K.Naga Chandrika.

Evidence of success: In 2020-21 Academic year M.P.Cs 1 student secured rank in CUCET. 10 students secured ranks in APPGCET and joined PG.

In 2021-22 Academic M.P.Cs student secured rank in APEDCET.

Photos:





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BEST PRACTICES FOR ACADEMIC YEAR 2024-25

Title of the Best practice: Celebration of Birth Anniversary of Sri. Srinivasa Ramanujan

Objective of the practice: To inspire young students and budding mathematicians to pursue mathematics with passion, curiosity, and perseverance, as Ramanujan did despite limited formal education and resources.

Context: The students of B.Sc Mathematics should know the theory and work of prominent mathematicians to succeed in various competitive examinations . The students get to know about a few Mathematicians through their prescribed textbook of academics . Hence, celebrating the birth anniversary of prominent authors will help students to have special focus on biographies of the writers and their works. Through this activity students can be introduced to other prominent Mathematicians who are not prescribed in their textbooks.

The Practice: An action plan was prepared listing out the birthdays of important Mathematicians every month was prepared. Each time a group of students to present the biography and theorems of important works of Mathematicians are selected. These students are made to practice the given topics and present to the gathering. Each time new group of students are selected and it's made sure that all the students get chance to present at least once.

Evidence of Success: Students have expressed that they are being benefited by this activity. This activity is helping students to not only improve their knowledge regarding the Mathematician but also increasing their confidence to present on the stage.

Photos



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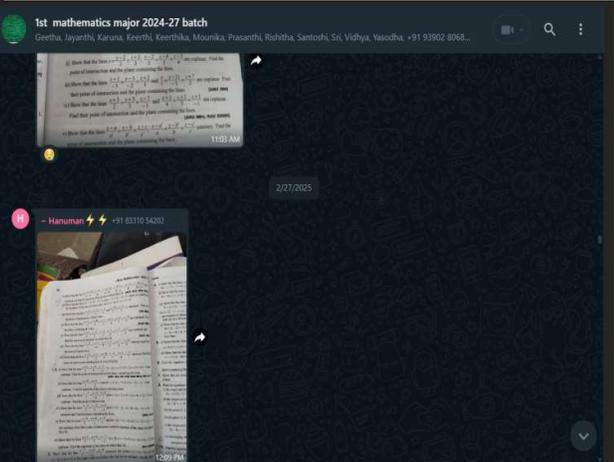
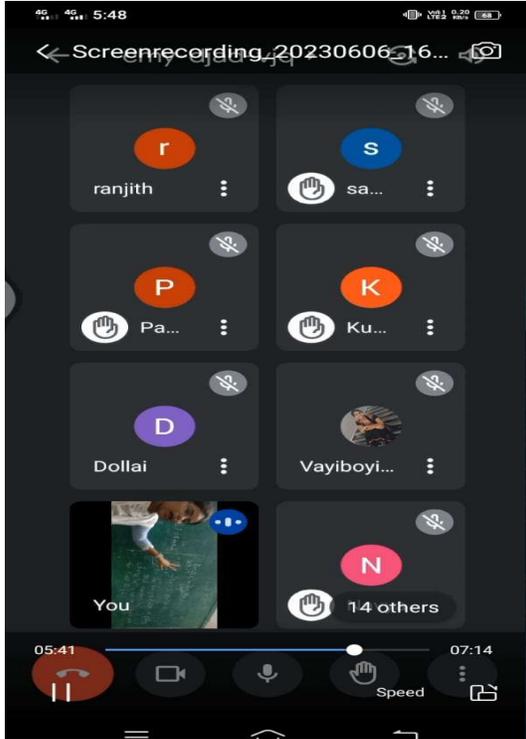
Title of the Best practice: WhatsApp Educators

Objective of the practice: To encourage students to practice Reasoning and Arithmetic improve and gain knowledge of Tricks of students. **Context:** The faculty of Department of Mathematics send files consisting of MCQs on Reasoning & Arithmetic given in SET exams conducted by various states and UGC NET previous question papers in students' WhatsApp groups.

The Practice: In order to encourage students to practice Reasoning & Arithmetic improve the knowledge of the students, the faculty of Department of Mathematics send files consisting of Reasoning & Arithmetic downloaded from various online sources to students of all courses through WhatsApp groups. MCQs on Reasoning and arithmetic given in SET exams conducted by various states and UGC NET previous question papers are sent to WhatsApp groups of students of BSc Mathematics. Every day these bits are discussed during the last 15 minutes before ending the class and additional explanation is provided to the questions.

Evidence of Success: Even though the students' response was tepid in the beginning, more students started reading the files sent with continuous discussions and quizzes conducted in the classes. The students have found the materials sent to be extremely useful.

Photos:



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Title of the Best practice: Critical Analysis of Arithmetic and Reasoning for PG students

Objective of the practice: Arithmetic and Reasoning note-taking encourages active participation during learning sessions, promoting better understanding and recall of material.

Context:: The faculty of Department of Mathematics send a material on Reasoning & Arithmetic. By actively engaging with our material, students can better understand the concepts and ideas. Encourages students to interact with the content, fostering a deeper connection to the subject matter. Organizing information systematically aids in memory retention, making it easier to recall during assessments. Structured notes provide a clear and concise resource for effective review sessions.

The Practice: Combine visual elements with traditional note-taking by integrating illustrations, symbols, and structures. This method can enhance memory retention and make the learning process more engaging. Discussing notes with classmates can provide new perspectives, clarify doubts, and deepen understanding through shared insights.

Evidence of Success: Even though the students' response was tepid in the beginning, more students started reading the Notes sent with continuous discussions and tests conducted in the class room. The students have found the materials sent to be extremely useful.

Photos:

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Title of the Best practice: Analytical Note Preparation for UG students

Objective of the practice: B.A ; B.COM ;Life Science and maths background students structuring notes systematically, students can identify relationships between concepts , making it easier to recall and apply information during assessments or practical applications.

Context::The faculty of Department of Mathematics sent a material to all the groups like B.Sc ,B.COM and B.A on Analytical Skills .By actively engaging with our material, students can better understood the concepts and tricks. Encourages students to interact with the content, fostering a deeper connection to the subject matter. Organizing information systematically aids in memory retention, making it easier to recall during assessments. Structured notes provide a clear and concise resource for effective review sessions.

The Practice:Combine visual elements with traditional note-taking by integrating illustrations, symbols, and structures. This method can enhance memory retention and make the learning process more engaging. Discussing notes with classmates can provide new perspectives, clarify doubts, and deepen understanding through shared insights.

Evidence of Success:Even though the students' response was slightly warmin the beginning, more students started reading the Notes sent with continuous discussions and tests conductedinthe class room.The students have found the materials sent to be extremely useful.

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