

Report of Mathematics Department

(2020-21)



**Mehr Chand Mahajan DAV
College for Women**

Sector-36, Chandigarh

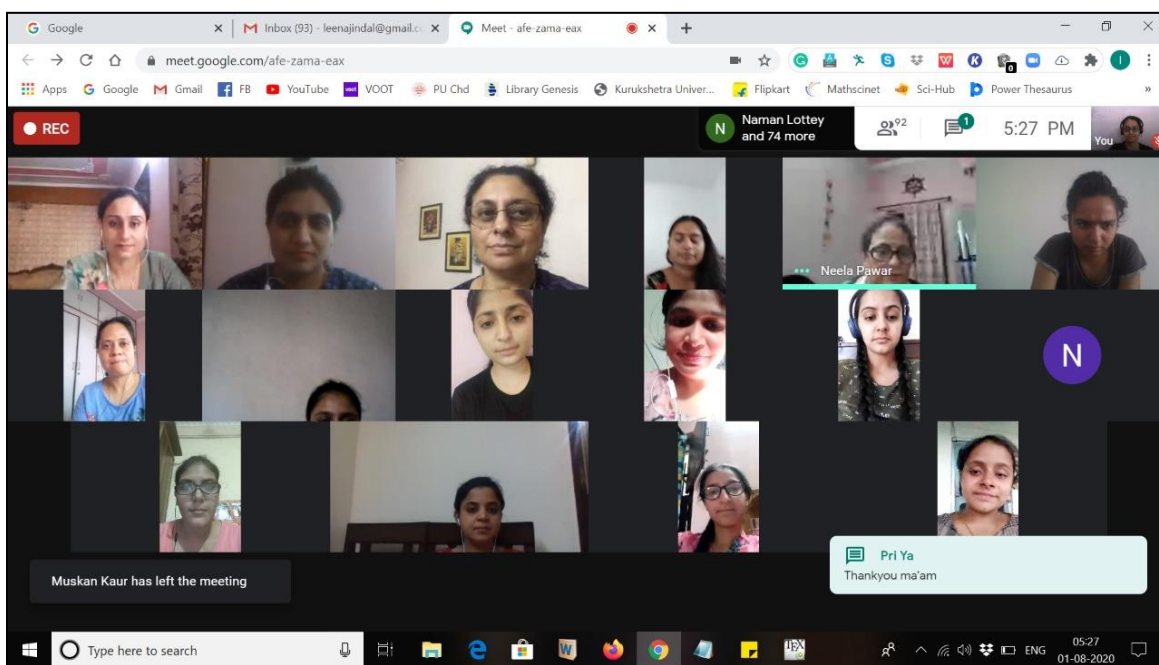
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PG DEPARTMENT OF MATHEMATICS ACTIVITY REPORT 2020-21

1. “Academic Progression” an online activity

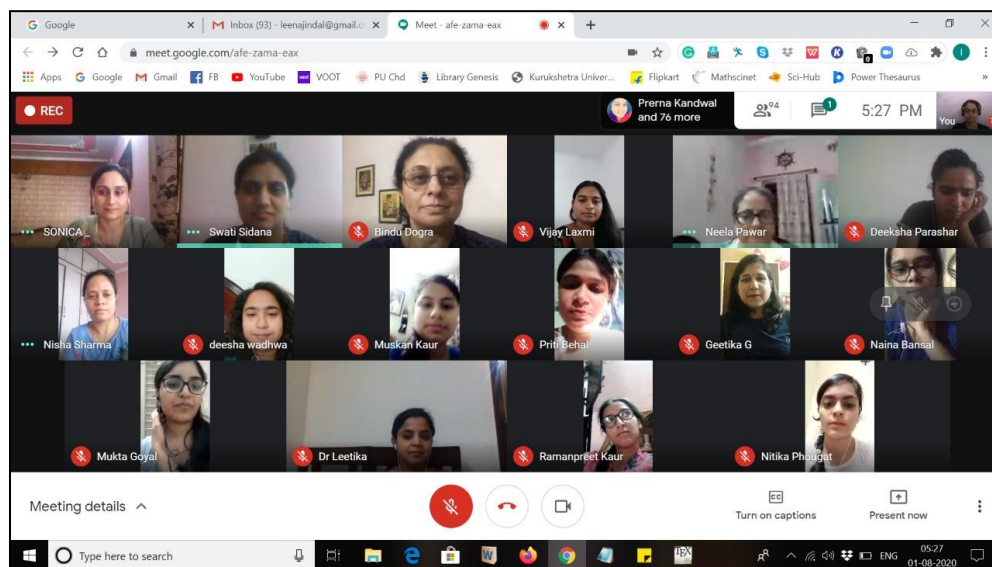
The PG Department of Mathematics organized two day online webinar series “Academic Profession “on 31st July and 1st August, 2020 for the enrichment and professional development of UG and PG students. The series of interactive sessions based on “Careers with Mathematical Skills” by Dr Neela Pawar and “Workshop on Microsoft Excel” by Dr Swati Sidana were conducted. Around 180 students, research scholars and faculty members from various institutions of Chandigarh registered for this webinar and the active participation was around 125.

On 31st July, 2020, Dr Neela Pawar in her talk based on “Careers with Mathematical Skills” created awareness among students about the career opportunities in mathematics. The talk was focused on creating awareness about the options available to students, to harness their mathematical talent and tips on how to prepare themselves for the same. It has been an effective demonstration covering the aspects related to the dependency of advanced science and technology including mathematical modeling, space science, coding, terminal ballistics, engineering on mathematics course. The webinar was highly appreciated by the participants for the valuable information.



Dr Swati Sidana was a resource person on 1st July, 2020 for the “Workshop on Microsoft Excel.” The main objective of this workshop was to expose the students to the names and functions of the Excel interface components and their usage in day-to-day mathematics. It also aimed at exposing the students to construct formulas, including the use of built-in functions and to create awareness about safeguarding the excel worksheets. This was an enriching session imparting MS Excel skill to the participants.

It was overall a very successful event from students’ point of view and the participants have given their positive feedback about the program organized by the dept. The certificates were provided to all the participants.

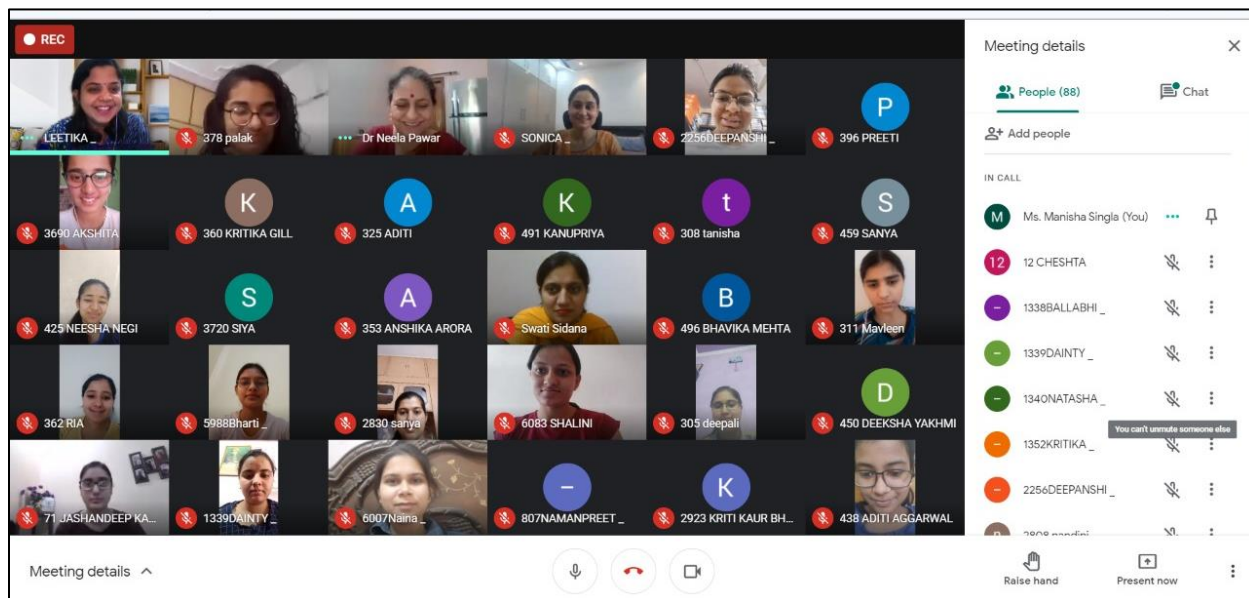
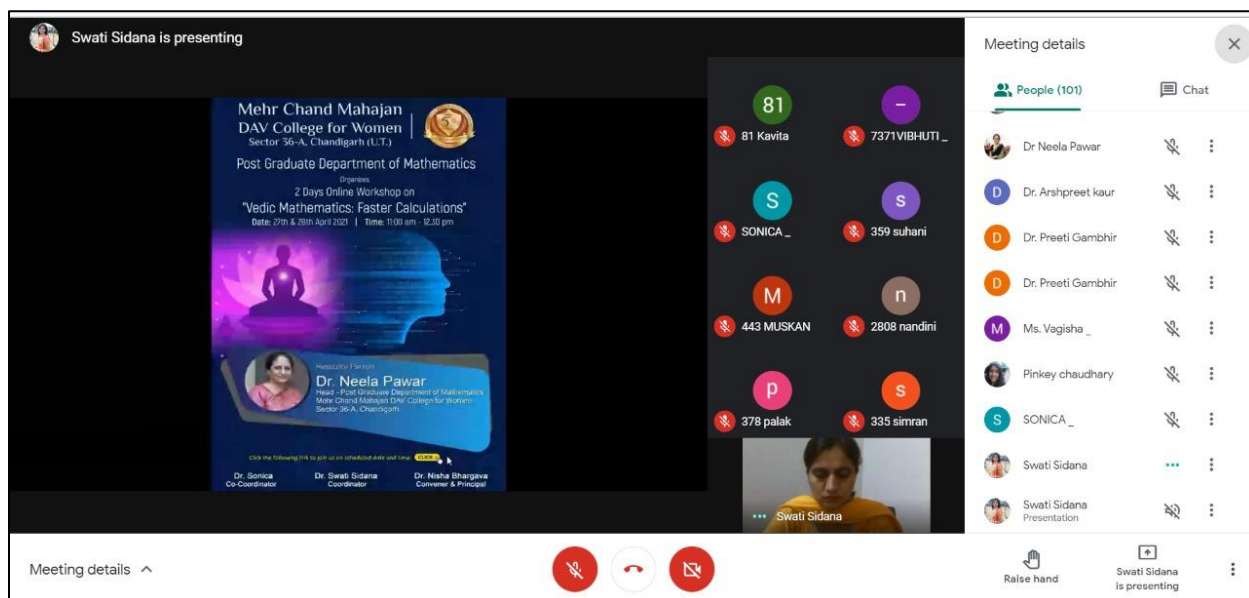


2. 2 days online Workshop on “Vedic Mathematics: Faster Calculations”

The Post Graduate Department of Mathematics organized two days online workshop on “Vedic Mathematics: Faster Calculations” on 27th April to 28th April 2021 to enlighten the UG and PG students. Dr Neela Pawar, Head, PG Department of Mathematics, Mehr Chand Mahajan DAV College for Women, Chandigarh was the resource person for the workshop. Around 231 students, research scholars and faculty members from various institutions of Chandigarh and other states attended the workshop. One participant from Philippines was also there.

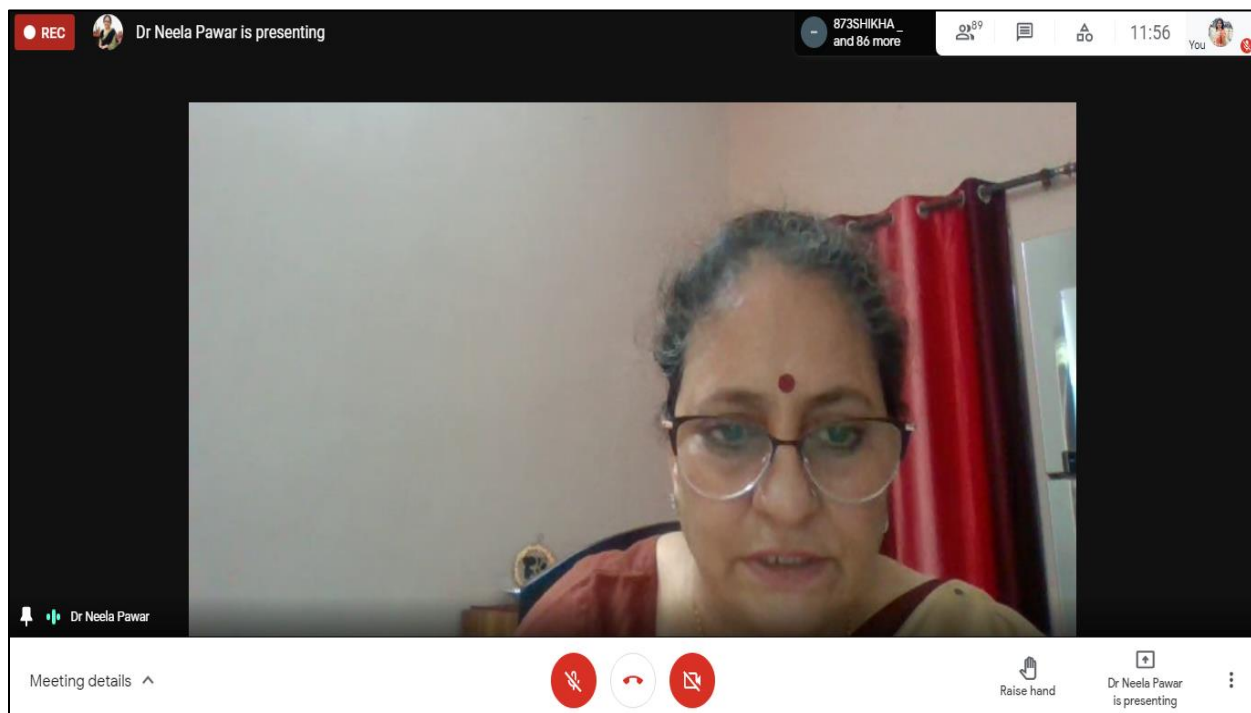
On Day1: 27th April 2021, Dr Neela Pawar started the talk with some tricky questions with the involvement of the audience to show the lighter side of Mathematics. The audience was made aware of Vedic Mathematics and what importance does it have in the solution of problems by easier calculations. She described methods of multiplication

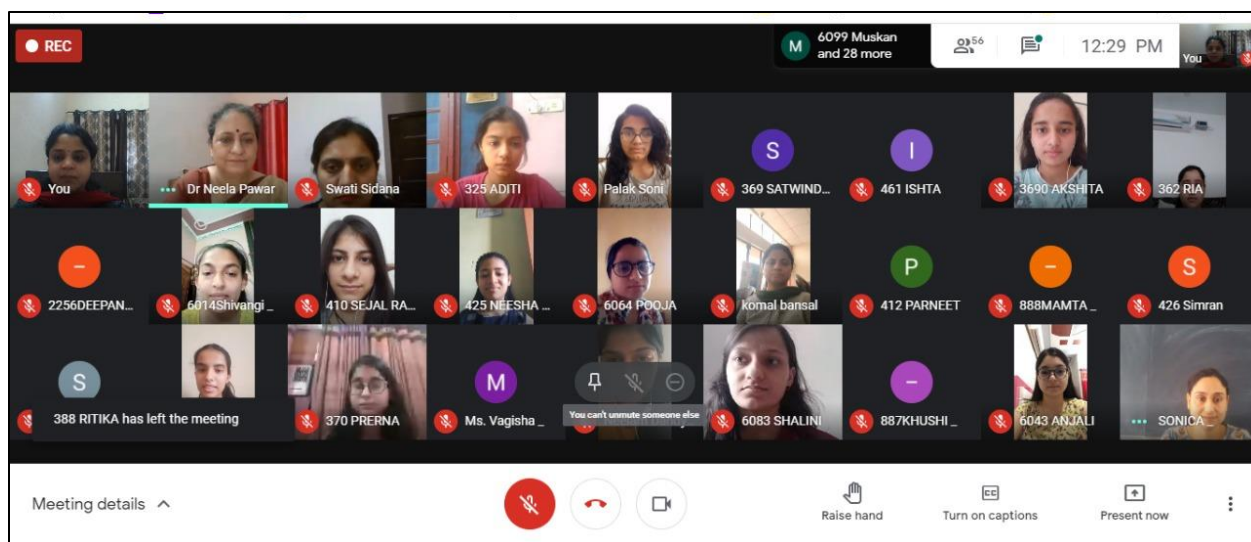
using sutras of Vedic Mathematics. She also explained how to find the square and cube of a number in an easy and faster way of calculations. Dr Pawar also told audience how to find out the square root and the cube root of various numbers using Vedic Math techniques and Sutras. The lecture was highly appreciated by the participants for the valuable information and easy methods of calculations.



On Day 2, Dr Pawar started the talk by giving students to solve a few questions of the type which she explained on Day 1. Then various techniques of division were explained by her in a very simple and impressive way. She also gave methods to solve simultaneous linear equations in a much needed faster way. The participants learnt a lot of new techniques to be used in the calculations and simplification of various

mathematical problems. Dr Pawar finished her talk by asking the audience again a few few tricky and fun questions based on mathematics.





Overall the workshop was very informative and up to the expectations of the audience. It was a successful event from students' point of view and the participants have given their positive feedback about the program organized by the department.