



R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY

RSM NAGAR, PUDUVOYAL – 601 206

Department of Science and Humanities

Report on the National Webinar

The Department of Science and Humanities -Mathematics division organized a Two days National webinar on **Mathematical Modelling and applications** from 27.07.2021 to 28.07.2021 virtually through Google meet.

Date & Time: | 28th July 2021, 11:00 AM

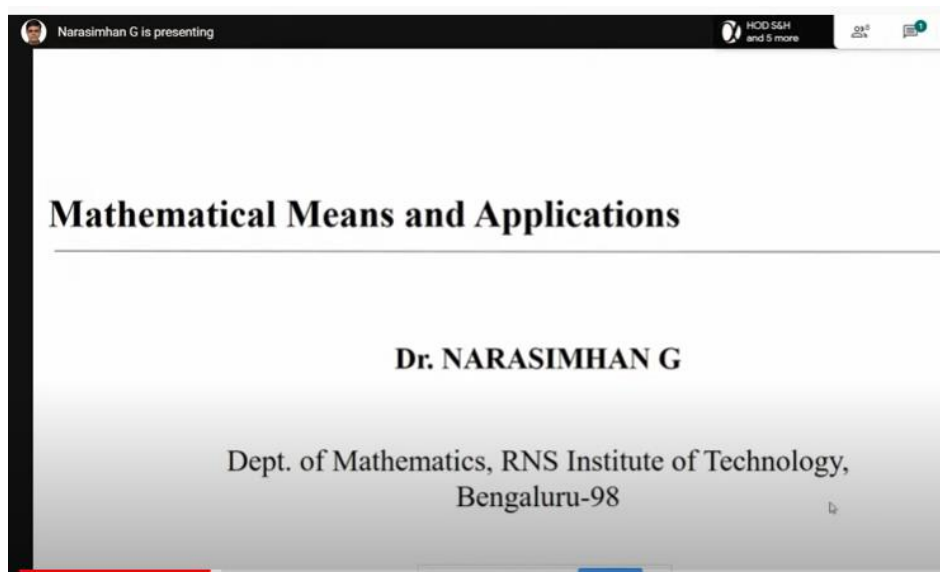
Speaker : Dr.Narasimhan .G

“Mathematical Means and their applications”

The Webinar started at 11.00 am with a welcome speech by Dr. Geetha Balachandar, Associate professor, Department of S&H. She welcomed the speaker of the webinar Dr.Narasimhan, Associate professor, RNS Institute of Technology, Bengaluru. Mr.R.Jayamani, Assistant professor, Department of mathematics delivered the brief introduction about the chief guest.

The webinar witnessed an active participation from Research scholars and faculty members across the country.

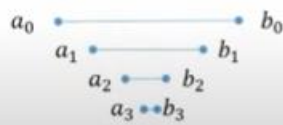
The total of 400 participants registered for the Webinar. Nearly 210 participants (Faculty & Research Scholars) from various colleges joined the webinar virtually.





Application of double sequences

- ❖ Heron used the iteration of arithmetic and harmonic means of two numbers to compute their geometric mean.
- ❖ To find $\sqrt{2}$, choose two numbers $a_0 = 1$ and $b_0 = 2$.
- ❖ Define $a_n = H(a_{n-1}, b_{n-1})$ and $b_n = A(a_{n-1}, b_{n-1})$



n	a_n	b_n
0	1.00000...	2.00000...
1	1.33333...	1.50000...
2	1.41176...	1.41666...
3	1.41420...	1.41421...

$$\sqrt{2} = 1.4142$$

$$a_0 < a_1 < a_2 < \dots \leq \sqrt{2} \leq \dots < b_2 < b_1 < b_0$$

Feedback form collected from all the participants, Dr.P.Hema delivered vote of thanks.