



IEEE - MVSR STUDENT BRANCH
Student Branch Code: 12161, School Code: 41329276



PI Day Celebrations

On the occasion of Pi Day, Department of Mathematics of MVSR Engineering College has conducted a guest lecture on 20th March 2021 in association with the IEEE MVSR SB and celebrated this significant day. The main motto of the event is to celebrate the mathematical constant Pi and to let the students know the importance and history of the value Pi.

Student Branch Mentor:

Dr. Atul Negi,
Professor, School of CIS,
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Student Branch Advisor:

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Principal and Professor,
MVSR Engineering College.

Student Branch Counsellor:

Dr. D. Hari Krishna,
Associate Professor, EEE Dept.,
MVSR Engineering College.

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PES Student Chapter Advisor:

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CS Student Chapter advisor:

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CASS Student Chapter Advisor:

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Session details:

Date: 20th March 2021.

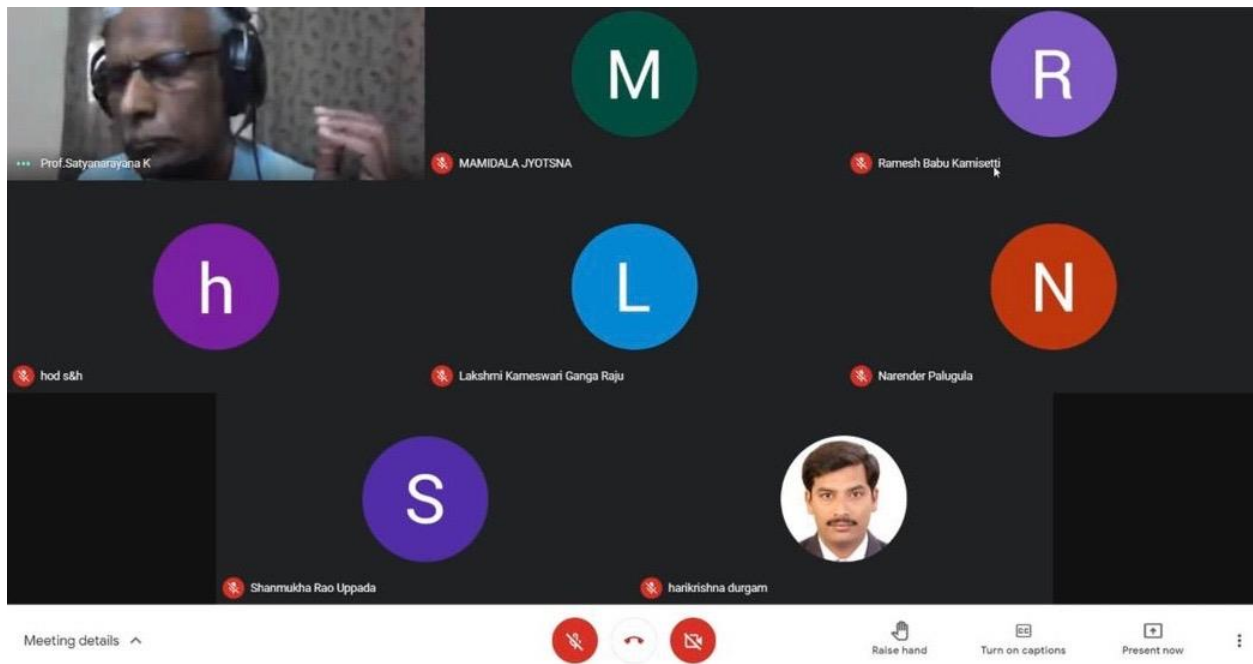
Time: 10:00 am – 12:00 pm

No. of participants: 310

Speakers for the session:

Speaker 1: Professor K. Satyanarayana, Retired Professor of Mathematics, Osmania University,

Speaker 2: Dr. C. Govardhan, Associate Professor, Department of Mathematics, University College of Science, Osmania University.



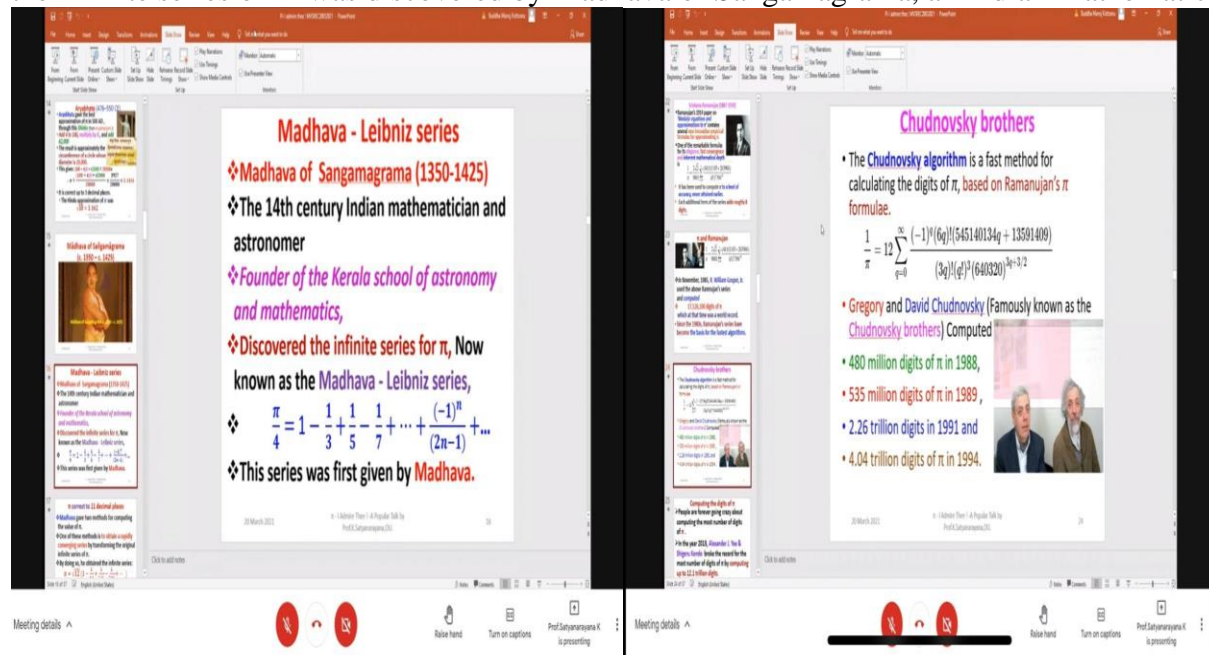
Attendees in the session

Dr. Lakshmi Kameshwari, Assistant Professor of Mathematics, MVSREC has commenced the session by welcoming the speakers Professor K. Satyanarayana, Retired Professor of Mathematics, Osmania University and Dr. C. Govardhan, Associate Professor, Department of Mathematics, University College of Science, Osmania University and all the attendees and spoke about the importance of PI.

Then, Dr. D. Hari Krishna, Student Branch Counsellor, IEEE MVSR SB thanked the Department of Mathematics of MVSREC for collaborating with IEEE MVSR SB spoke a few words about IEEE MVSR SB and its achievements and the importance of PI. Later, Dr. A.R. Subrahmanyam, HOD of Science and Humanities Department, MVSREC had talked about how PI is useful and its role in various calculations. He appreciated IEEE MVSR SB and Dr. Lakshmi Kameshwari, Assistant Professor of Mathematics, MVSREC for organizing this guest lecture.

Then, Mrs. Mamidala Jyotsna, Assistant Professor of Mathematics, MVSREC introduced the speaker and handed over the session to him.

Later, the speaker has started the session by briefing the history of Pi. He stated that the symbol Pi was introduced by William Jones and has been in use for over 300 years. He briefly explained why we take Pi as 22/7 through the Polygon Method of Computing Pi by Archimedes. He then illustrated how Aryabhata gave the best approximation of Pi through a Shloka as 3.162 and how the infinite series of Pi was discovered by Madhava of Sangamagrama, an Indian Mathematician.



Speaker describing various methods used by Mathematicians to compute the value of Pi

Further, he mentioned the first electronic computer ENIAC which was used to compute 2037 decimal places of Pi, and many other mathematicians who computed the value of Pi. He added to it about the highest number of computations of Pi, which was given by Timothy Mullican who calculated 50 trillion digits of Pi using the Chudnovsky Algorithm.

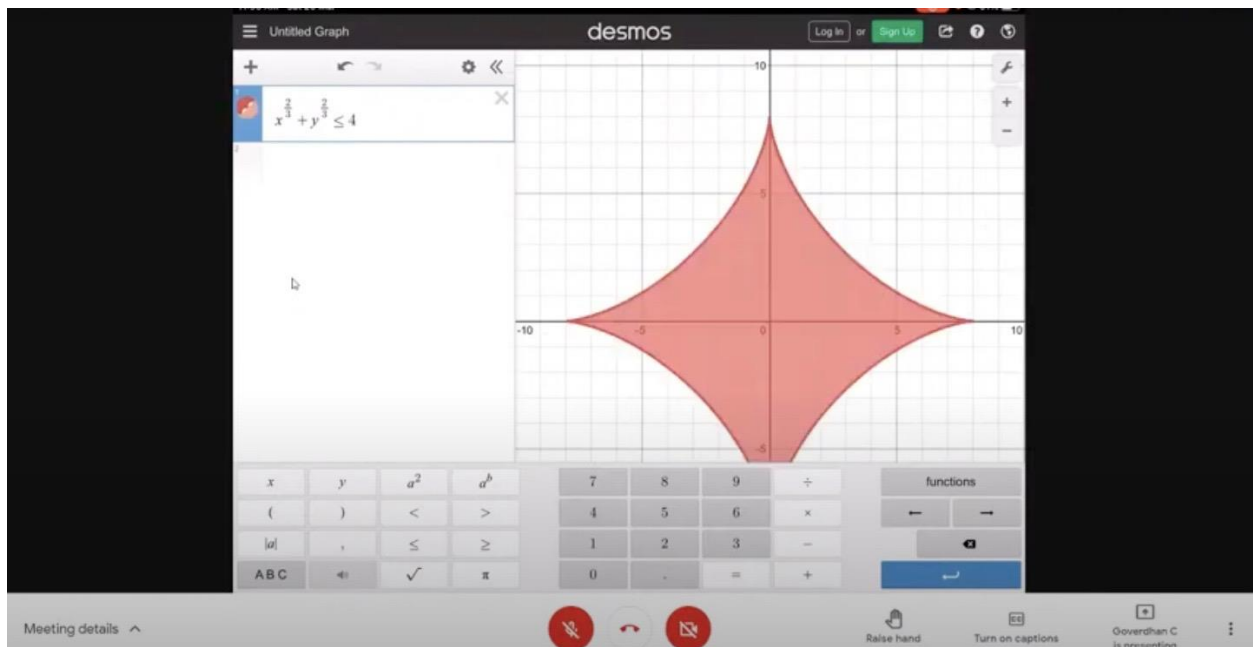
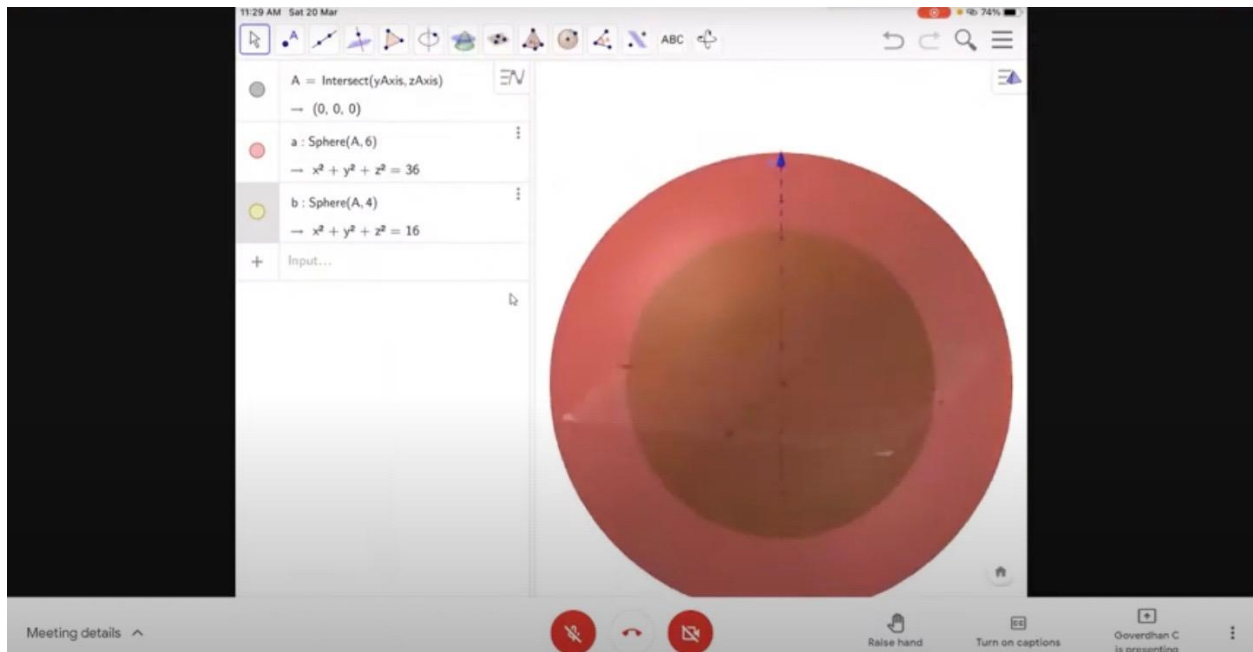
He briefly explained the use of Pi and why are mathematicians computing many digits of it. The speaker detailed that March 14 or 3/14 is celebrated as Pi Day because the first digits of Pi are 3.14. And the exact time for the celebration is 1:59 pm considering the value 3.14159. He concluded the session with a short story “Pi- I admire Thee” written by him.

Later. Mrs. Mamidala Jyotsna thanked the speaker for an insightful lecture and handed over the session to Mrs. D. Bhagya, Assistant Professor of Mathematics to introduce the guest speaker Dr.C.Govardhan, Associate Professor, Department of Mathematics, University College of Science, Osmania University.

The speaker started his lecture by explaining the use of Pi in Vector Calculus. He later illustrated to the attendees how to use the FX Math Problem Solver. In this, he briefly demonstrated how this platform can solve any kind of mathematical problems like Logarithmic, Integration by parts, Trigonometric etc and displays the solution step by step with ease.

Further, he keenly explained the usage of GeoGebra application where dimensions of the figures are given and a 2D or 3D image can be obtained. He also mentioned the various applications of

Vector Calculus. In the end, he specified how an advanced graphing calculator, Desmos is implemented.



Speaker demonstrating various applications of Vector Calculus

A vote of thanks given by Mrs. D. Bhagya, Assistant Professor of Mathematics, MVSREC had concluded the session.

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