#### SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY



(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)

#### Dindigul – Palani Highway, Dindigul 624 002

## Report on "National Science Day - 2022"

**Seminar** : Impact of Mathematics in Engineering Education

Chief Guest: Shri. C.S. Veeraragavan, Author of HR SEC MATHS TEXTBOOKS OF TNSCERT,

Correspondent & Post Graduate Teacher (Mathematics),

Sri Krishnaa Matriculation Higher Secondary School, Coimbatore - 25

**Date** : 28.02.2022

**Venue** : SSMIET, Seminar Hall 1

Organized by : Born Genius Ramanujan Math Club & Young Innovators Club

**Participants**: Engineering and S&H Faculty

**Time** : 9.30 a.m. to 4.30 p.m.

#### **Program Co-ordinators:**

1. Dr. J. Abraham Hudson Mark, AsP/ Physics

2. Mrs. R. Janani, AP/ Mathematics

As a part of the celebration of "National Science Day -2022" in our institution, a seminar on "**Impact of Mathematics in Engineering Education**" was conducted on 28.02.2022 and it was jointly organized by "Born Genius Ramanujan - Math Club" and "Young Innovators club".

The session covers the topic related to

- A framework that integrates technology into the teaching-learning process
- Methods with examples to teach Mathematical concepts using counter examples
- > Interaction between content knowledge, pedagogical knowledge, and technological knowledge.
- > Games are the best means of learning mathematics with fun.
- Learning mathematics through projects brings life to the college atmosphere.
- Provide individualized mathematical review material in an interactive online system. (quizzes, videos, review notes, animations practice problems, etc)
- > Python engineering animations: Bring math & data to life
- > Teaching Differential Equation
- Software Tools: Microsoft Math solver, Free Universal Algebra Equation Solver, MAXIMA, xFunc, SpeQ Mathematics, GAP, Euler Math Toolbox, Cadabra, Math Mechanixs, Scilab, Gnuplot, Geogebra, Sagemath, GNU Octave.

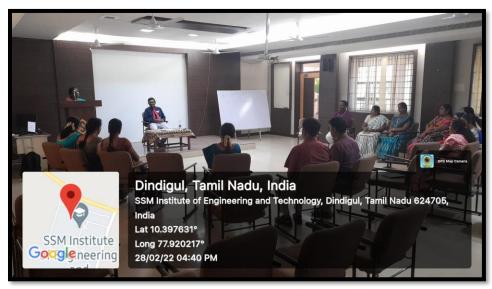
### **Lecture Session**













# **Activity Session**

