A Report TEQIP III Sponsored Student development program On

"Importance of Mathematics in Science & Engineering" (Online)

13th February 2021

12:00 pm to 1:30 pm







Organized by

Department of Mathematics
BVM Engineering College
(An Autonomous Institution)
Vallabh Vidyanagar - 388120

EVENT

Event Name	Importance of Mathematics In Science &
	Engineering
Date	13 th February 2021
Duration	12:00 pm to 01:30 pm
Event Coordinator	Prof.(Dr.)M.E.Shimpi & Prof. N.C.Sonara
Number of Participants	362
Sponsored by	TEQIP III

Objective:

• Awareness of importance of Mathematics in Science & Engineering

About the Program:

Mathematics Department, B.V.M had organized a TEQIP III sponsored Student Development Program (SDP) on "Importance of Mathematics in Science & Engineering" on a virtual mode on 13th February 2021. The event was organized for students of First Year B.Tech. The program was coordinated by Prof. (Dr.) M.E.Shimpi & Prof. N.C.Sonara, Mathematics Department.

Opening Ceremony:

The webinar started with the welcome speech of Prof. N.C.Sonara, Department of Mathematics, BVM Engineering College. Dr. R. B. Gandhi, I/C HOD Mathematics Department, BVM Engineering College explained the relevance and importance of Mathematics in Science & Engineering and he has conveyed his best wishes to students. Prof. (Dr.) M.E.Shimpi gave a brief introduction of Dr.BrajeshKumar Jha, the expert, to the participants. Dr.BrajeshKumar Jha has completed his Ph.D. in Mathematics from the S. V. National Institute of Technology, Surat in2013. He is currently working as Assistant Professor at the School of Technology, Pandit Deendayal Energy University, Gandhinagar (Gujarat) since December 2013. He concentrates on research areas such as Mathematical Modelling and Simulation of Ca2+ Distribution in Astrocytes, Finite element modelling of Physiological problems, Fractional differential

equations and is Applications, etc. Besides, he has presented and published more than 40 research papers at national & international conferences. Sir also supervises doctoral thesis act as a guide. Currently, Sir is an active member of the Indian Society of Theoretical and Applied Mechanics (ISTAM), Member of International Association of Engineers (IAENG), Indian Society of Technical Education (ISTE) (LM-87829), Computer Society of India (I1501602), APCBEES: (201821), Gwalior Academy of Mathematical Science, Forum for Interdisciplinary Mathematics (VICE PRESIDENT OF GUJARAT CHAPTER), FATER. (DY. SECRETARY OF GUJARAT CHAPTER).

Webinar Expert:

Dr. Brajeshkumar Jha School of Technology, PDEU, Gandhinagar

Contents:

- Why mathematics is compulsory for Engineering?
- > Mathematician around the world.
- Interdisciplinary area: Today's requirement.
 - o Role of Mathematics in Electrical Engineering
 - o Role of Mathematics in Civil Engineering
- Use of Calculus in real life
- Finding Area of region bounded by curves
- > Enzyme Reaction
- Modelling-free Oscillation , Diffusion Equations

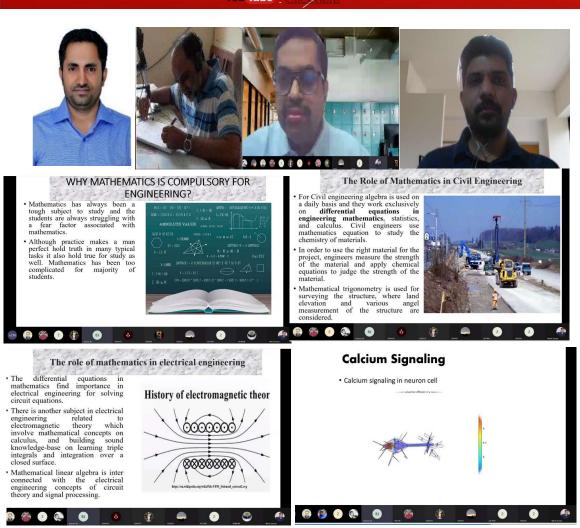
He concluded the session by thanking the programme committee and the faculty members. A question and answer session was conducted after that. The webinar concluded with a vote of thanks by Prof. N.C.Sonara.

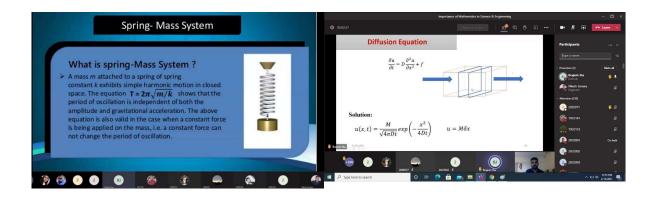
Program Outcomes:

Students of the first year make aware of different types of applications of
 Mathematics mentioned above

Glimpse:







Programme Committee:

Convener Coordinators

Dr.R.B.Gandhi Prof. (Dr.) M.E.Shimpi

Prof. N. C.Sonara