



**VIT**<sup>®</sup>

**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)

# **Biolnspired Design Fest**



**BID  
FEST** 2021

**11<sup>th</sup> April 2021**

**Organised by:**

**School of Biosciences and Technology (SBST)**

**VIT, Vellore, India**

**and**

**Society for Biological Engineering (SBE-VIT)**

**VIT, Vellore, India**

**in collaboration with**

**Siemens Healthineers**



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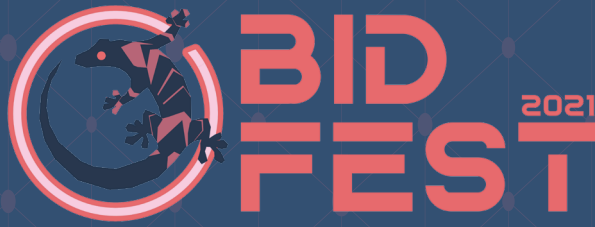
**School of Biosciences and Technology (SBST)  
in association with  
SBE-VIT and Siemens Healthineers  
presents the 6th edition of our flagship event  
Bio-inspired Design (BID) Fest.**

## **ABOUT SBST**

Since the last six years, VIT has been actively spreading bioinspired design thinking and awareness among students through the School of Biosciences and Technology (SBST). It also harbors a state of the art bioinspired design lab that is operational for the last two years. Our efforts are boosted by collaboration with national and international institutes and multinational companies, as well as with visiting scientists.

## **ABOUT SBE-VIT**

The Society for Biological Engineering of VIT Vellore (SBE-VIT) is an eminent student chapter that aims to bring together like-minded people in the field of Biotechnology. Previously under AIChE, SBE was established as a separate student chapter in 2018. Since then SBE-VIT has conducted various conferences, seminars, and events at the university level, enthusing students.

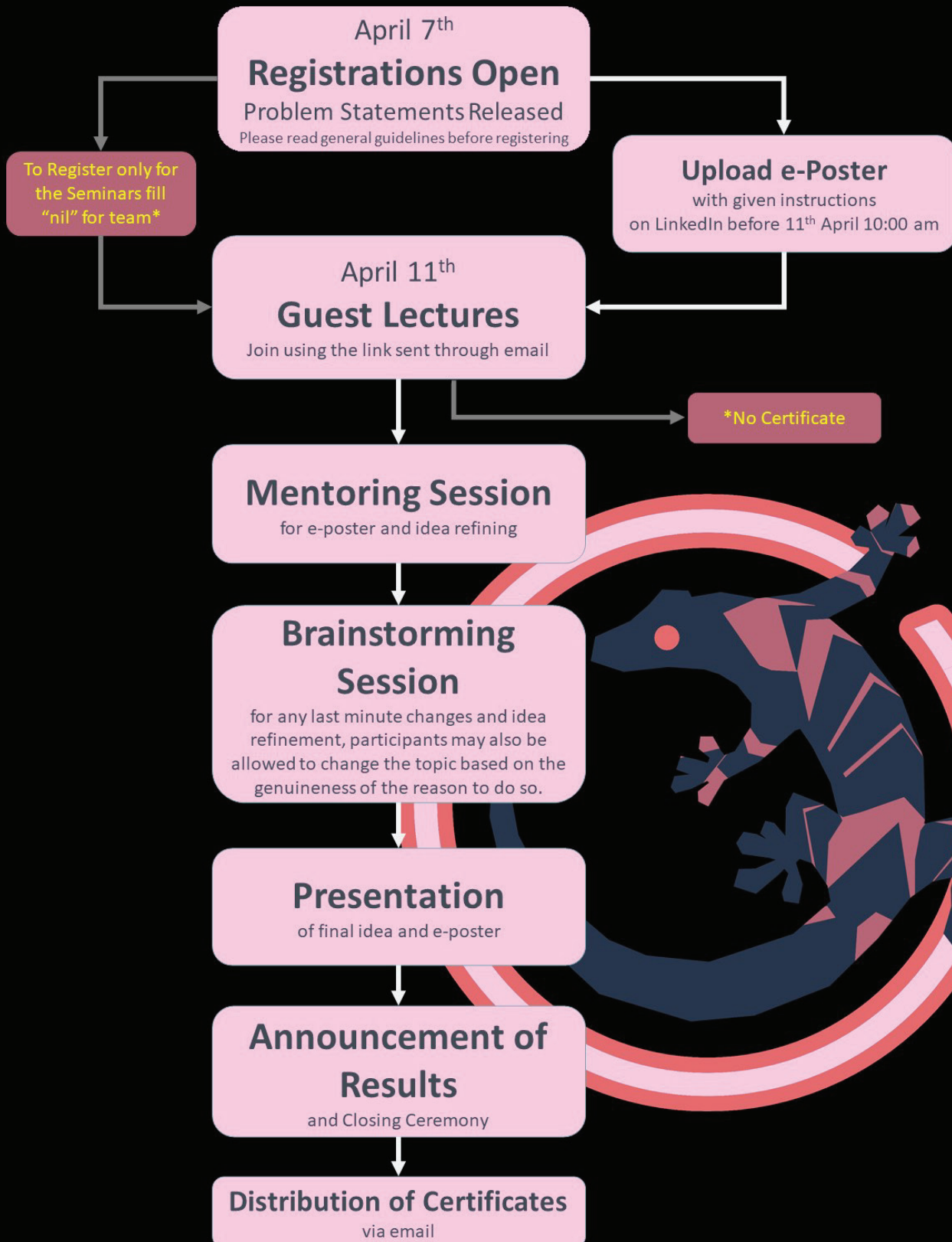


**SBE-VIT** in collaboration with **SBST** and **Siemens Healthineers** presents our annual flagship event, **Bio-inspired Design (BID) Fest**. The **6th** edition of its kind, we bring to you a unique learning experience to promote exploration of nature's intricacies and use them as inspiration for real-world problem-solving.

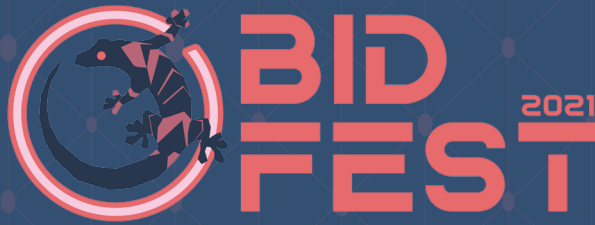
**BID-Fest 2021** due to the challenging pandemic situation, will be an ideathon instead of a regular makeathon. Students will virtually team up, ideate, and present their ideas and prototypes for a given problem statement using nature-inspired concepts. It encourages students to assess and apply the mechanisms of nature in their daily lives to find optimal yet feasible solutions to real world problems.

**BID Fest 2020** that was conducted in collaboration with **Siemens**, was a tremendous success. Top scientists in the field have been a part of the previous editions and inspired the students with their motivational words.

# BIDFEST 2021 Event Flow







**SCHOOL OF BIOSCIENCES AND TECHNOLOGY (SBST)**  
and  
**SOCIETY FOR BIOLOGICAL ENGINEERING (SBE-VIT)**  
cordially invite you to  
**BIO-INSPIRED DESIGN FEST 2021**

**EVENT SCHEDULE**

10:00 - 10:30	Inauguration of the event
10:30 - 11:00	Prof. Swaroop Ganguly, IIT Bombay
11:00 - 11:30	Prof. Shyamanta Moni Hazarika, IIT Guwahati
11:30 - 12:00	Prof. Sultan Haider, Siemens Healthineers Germany
12:00 - 13:00	Mentoring session
13:00 - 14:00	BREAK
14:00 - 17:00	Pitching/Presentation session
17:00 - 17:20	Results
17:30 - 18:00	Closing Ceremony



**Platform: Online (AirMeet and Google Meet)**

**📅 11th April 2021**

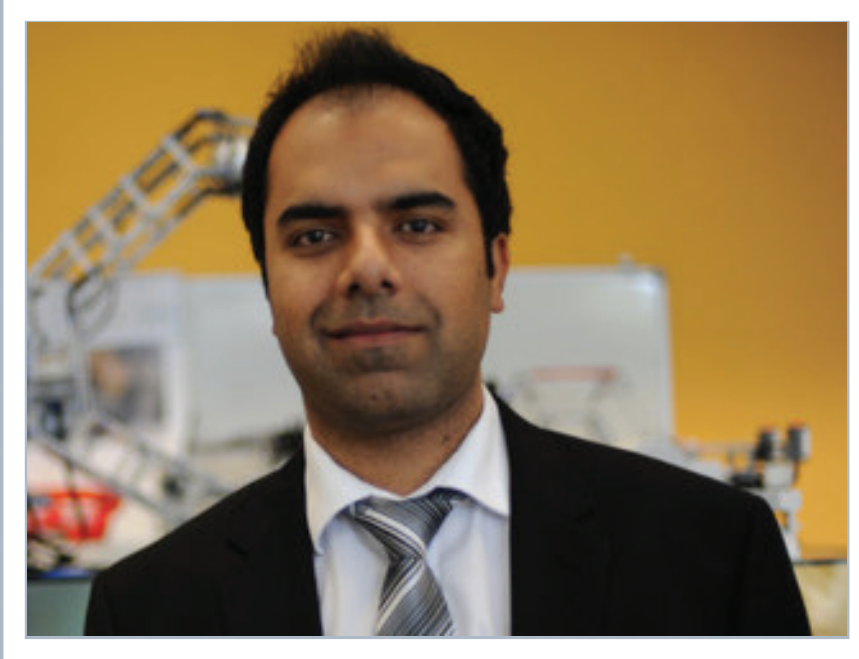
**🕒 9:00am onwards**

**<http://info.vit.ac.in/bidfest2021/index.html>**

Scan the QR Code for  
Registration and Problem Statements

# Eminent Speaker

## Professor Sultan Haider



**Professor Sultan Haider is the Global Leader, Founder and Head of the Innovation Think Tank at Siemens Healthineers. He is an extraordinary inventor, with over 500 inventions and patents filed to his name. He has established 16 innovation labs across Germany, India, China, Turkey, the United States of America and the United Kingdom**

# Eminent Speaker

## Professor Swaroop Ganguly



Swaroop Ganguly is an eminent associate professor in the field of Electrical eng. at IIT-Bombay. His areas of expertise revolve around spintronic devices, circuits and silicon compatible spintronic devices. His research interests are primarily focused on quantum biomimetics which explains why he is one of our keynote speakers for today. Prof. Swaroop Ganguly received his MSE and Ph.D. from the University of Texas at Austin and also has experience as a visiting scientist at the infamous IBM Watson research center. Lastly, he is in charge of the inter-disciplinary programme in educational technology at IIT-Bombay and is also the proud bearer of the very prestigious IBM-IUSSTF Fellowship in Nanotechnology in 2009 from IBM Indo-US Science & Technology Forum.

# Eminent Speaker

Professor Shyamanta Moni Hazarika



**Shyamanta M Hazarika is a Professor of Mechanical Engineering at IIT Guwahati and leads the Biomimetic Robotics and Artificial Intelligence Lab.**

**His research interest is in Robotic Neurorehabilitation. This translates into interest in Artificial Intelligence and Biomimetic Robotics.**

**Prior to joining IIT Guwahati he was with the Department of Computer Science and Engineering, Tezpur University. He has been a Vertretungsprofessur ('Full' Professor) of Cognitive Systems and Neuroinformatics, University of Bremen, Germany.**





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