



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

Online Workshop on CST-3D Electromagnetic Simulation



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Online Workshop on CST-3D Electromagnetic Simulation

On

28th March 2022

02:00PM-04:00 PM

Savant Association

Department of Physics, Faculty of Science, SGT University

E Banner



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SAVANT ASSOCIATION
DEPARTMENT OF PHYSICS
FACULTY OF SCIENCE

is organizing
Online Workshop on

CST-3D ELECTROMAGNETIC SIMULATION

Join from the meeting link: <https://bit.ly/3uOgikb>

📅 28th March 2022 | ⌚ 02:00 PM Onwards



Prof. (Dr.) Lakhwinder Singh
Dean, Faculty of Science
SGT University



Dr. Mukesh Kumar
Associate Professor & Head
Department of Physics, SGT University



Co-Advisor
Dr. Yogesh Sharma
Assistant Professor
Department of Physics
SGT University



Advisor
Dr. Mirza Tanweer A Beig
Assistant Professor
Department of Physics
SGT University Gurugram

Spokesperson



Dr. B. Riscob
Scientific Officer D
Microwave and ECE Diagnostic Division
Institute for Plasma Research (IPR)
Department of Atomic Energy
Gandhinagar Gujarat



Prof. (Dr.) R C Kuhad
Pro-Chancellor
SGT University



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Brief Profile of Speaker:

Organizers:

Prof. (Dr.) Lakhwinder Singh

Dean, Faculty of Science, SGT University

Dr. Mukesh Kumar

Associate Professor, Head of the Department, Department of Physics

Faculty of Science, SGT University

Dr. Yogesh Sharma

Advisor, Savant Association and Assistant Professor, Department of Physics,
Faculty of Science

Dr. M.T Beig

Advisor, Savant Association and Assistant Professor, Department of Physics,
Faculty of Science

Report of the Webinar/ Event / FDP Program:

Introduction:

Savant's Association Department of Physics, Faculty of Science has organised “**Online Workshop on CST-3D Electromagnetic Simulation**” on **28 March 2022 at 02:00 p.m. onwards.**

Online Workshop on CST-3D Electromagnetic Simulation was welcomed by Dr. Yogesh Sharma, Assistant Professor, Dr. Mukesh Kumar (HOD), Associate Professor, Dr. M.T Beig, Assistant Professor Department of Physics, Faculty of Science, SGT University. The program was intended to introduce about **CST-3D Electromagnetic Simulation** in physics & various sciences by eminent speaker Dr. Riscob Bright (Scientist), Scientific Officer D, Microwave and



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ECE Diagnostic Division, Institute for Plasma Research (IPR), Department of Atomic Energy, Gandhinagar Gujarat.

This online workshop aims to develop the understanding of **CST-3D Electromagnetic Simulation** is a high-performance EM analysis software package for designing, analysing and optimizing electromagnetic (EM) components and systems. Electromagnetic field solvers for applications across the EM spectrum are contained within a single user interface in CST Studio Suite. CST Studio Suite provides fast, accurate, accessible electromagnetic simulation for engineers, designers, and researchers working in many fields, including microwaves, RF & optical, EDA & electronics, electromagnetic compatibility (EMC), particle dynamics, statics, and low frequencies.

The Guest speaker explains very well about CST's performance and efficiency of Antennas and filters, EM compatibility and interface etc. The audience found the workshop very remarkable and informative.

Objective of the Webinar/ Event / FDP:

The workshop was intended for the under graduate, post graduate students, research scholars to understand the basics of **CST-3D Electromagnetic Simulation** and its uses as Electromagnetic field solvers for applications across the EM spectrum are contained within a single user interface in CST Studio Suite. CST Studio Suite provides fast, accurate, accessible electromagnetic simulation for engineers, designers, and researchers working in many fields, including microwaves, RF & optical, EDA & electronics, electromagnetic compatibility (EMC), particle dynamics, statics, and low frequencies.

Brief content of event:

The workshop started on 28th March 2022 at 2 PM with the inaugural session. The workshop was addressed by the Dr. Yogesh Sharma, Assistant Professor, Department of Physics. Dr. Sharma first introduced **Savant Association, Department of Physics** to the audience. They then introduced the workshop's theme 3D Electromagnetic Simulation to the participants and welcomed the guest speaker to initiate the session.

Title: CST-3D Electromagnetic Simulation

Speaker: Dr. Riscob Bright (Scientist), Scientific Officer D, Microwave and ECE Diagnostic Division, Institute for Plasma Research (IPR), Department of Atomic Energy, Gandhinagar Gujarat.

In his talk, he discussed following topics:

High-performance EM analysis software package for designing, analyzing and optimizing electromagnetic (EM) components and systems. Electromagnetic field solvers



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for applications across the EM spectrum are contained within a single user interface in CST Studio Suite. CST Studio Suite provides fast, accurate, accessible electromagnetic simulation for engineers, designers, and researchers working in many fields, including microwaves, RF & optical, EDA & electronics, electromagnetic compatibility (EMC), particle dynamics, statics, and low frequencies.

In the last, Prof. R.C Sharma, Professor, Department of Physics, SGTU, extended the warm vote of thanks to the renowned speaker for sharing his rich experience and expertise. More than 80 students and faculty members were present.

a) **Picture of Event:**



Fig. 1

Students are attending Online Workshop CST 3D Electromagnetic Simulation



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Fig. 2

**Students are attending Online Workshop with hands-on experience in CST
3D Electromagnetic Simulation**



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Fig. 3
Students are sitting and attending Online Workshop



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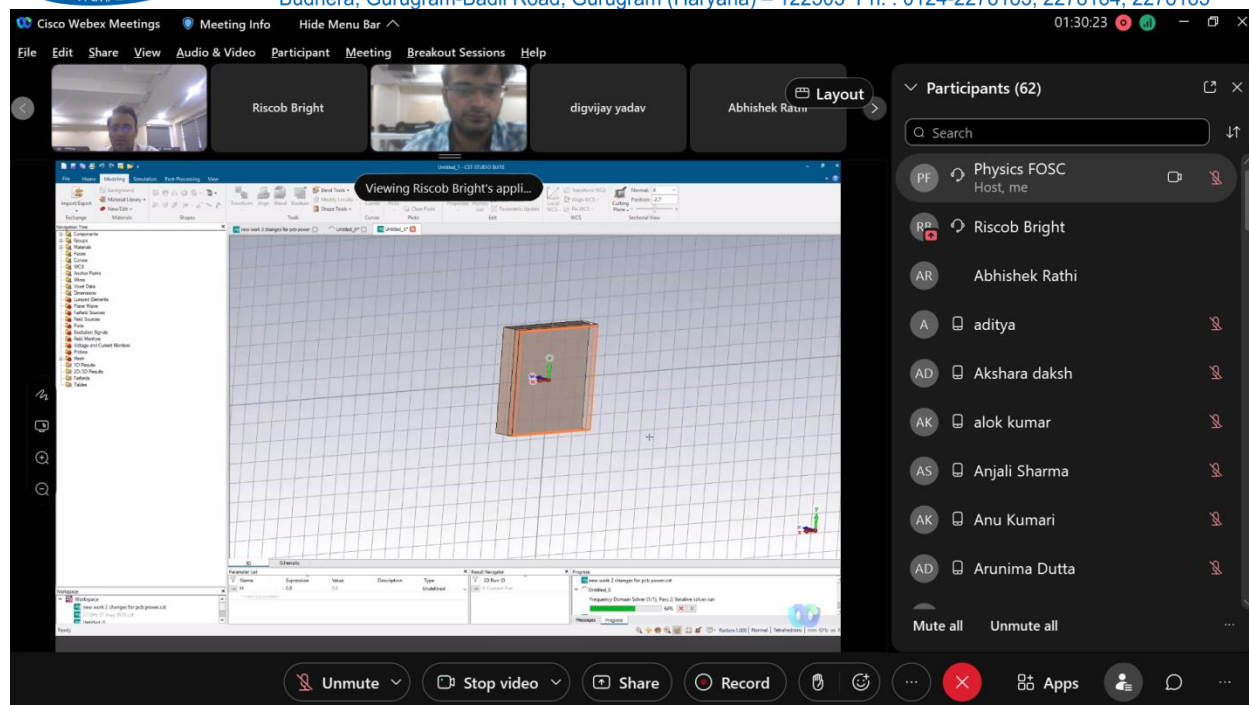


Fig. 4

Expert Dr. Riscob Bright interaction with students and faculty members with demonstration

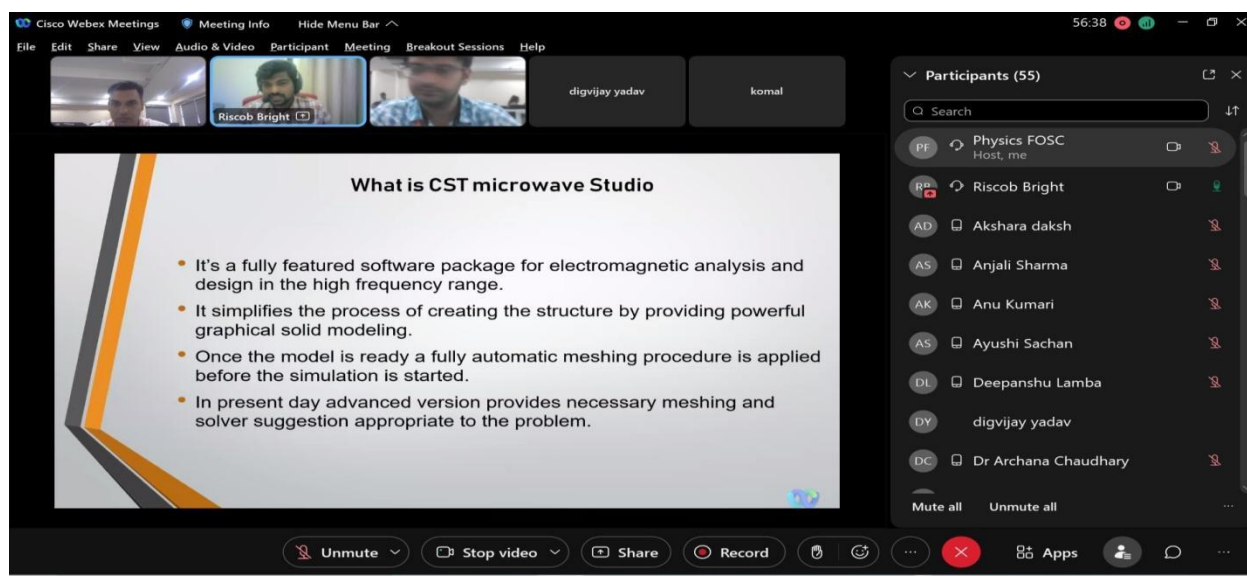


Fig. 5

Dr. Riscob Bright interaction with students and faculty members



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A total of 46 members attended the workshop. All the efforts and hard work of organizing committee went successful. Event was informative and well organized.

Thank you!

List of Participants

Name
AAKASH VERMA
Sachin yadav
Priyanka yadav
Mandeep Kaur
Dr. Gurjot Singh
Sakshi
Kajal
Rekha Yadav
Monika
MAHENDRA KUMAR
Madhu Yadav
Nitesh
Dr. Pradeep Malik
Dr Mukesh Kumar
Keshav Yadav
Jayant Bhardwaj
Ritu
Shubham
Pooja dagar
NAVEEN
Dr Vineeta Saini
Dr Chandra Mouli Pandey



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Meenu Chinda

SHREYA ARORA

Pankaj Kumar

Manisha

Riya

Abhishek Rathi

Shivani

Bharti

Dr. Simranjeet Singh

Jyoti Thakran

Faray Jamal

Anjali Sharma

Megha walia

Dr. Shalu

Ekta

Vivek Sharma

Ruby Dangi

Alok Kumar

ANU KUMARI

Mirza Tanweer Ahmad Beig

Prof(Dr.) Ram Chhavi Sharma

Bharti

Dr. Yogesh Sharma

(Dr. MT Beig)