

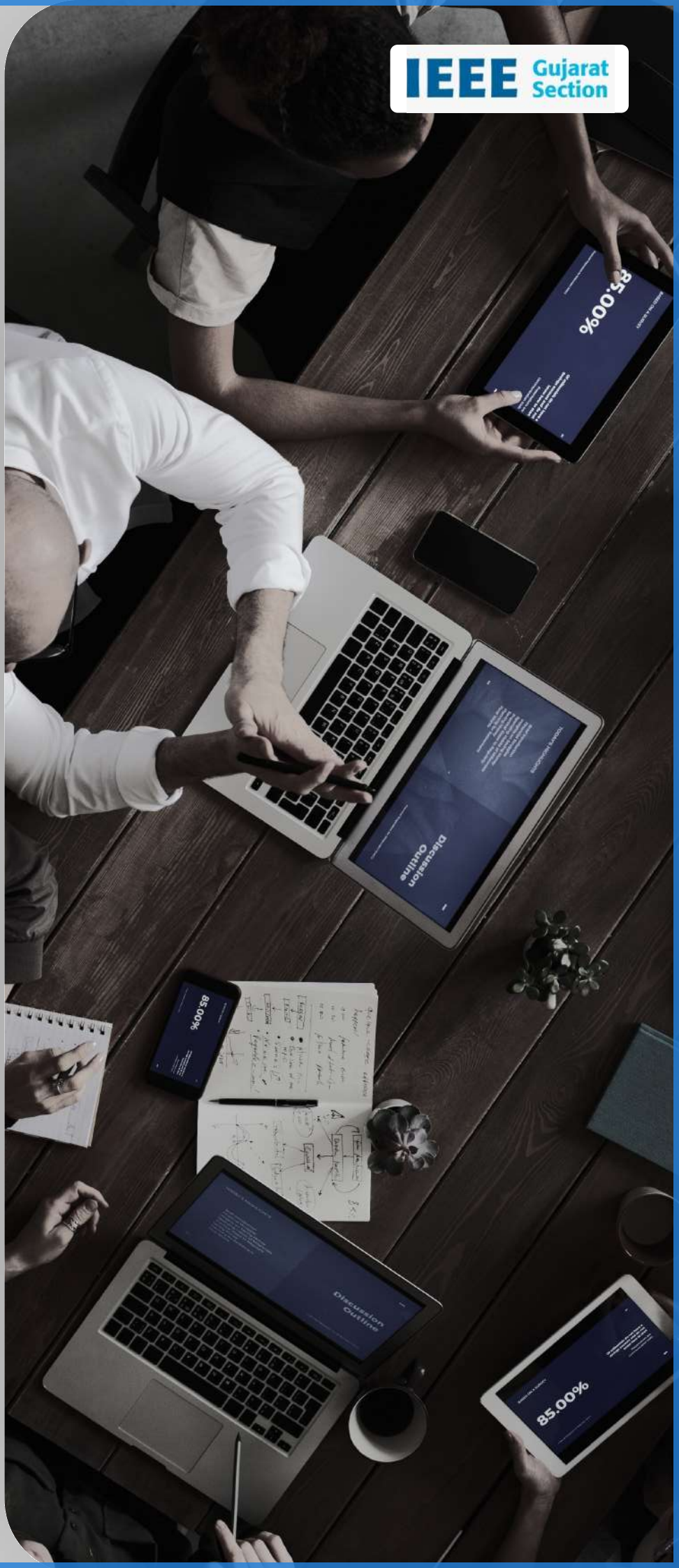
# NEWSLETTER

## IEEE GUJARAT SECTION

VOLUME 1 : ISSUE 1

**JANUARY 2022**  
to  
**JUNE 2022**

**IEEE** Gujarat  
Section



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# 1. Message from IEEE R10 (Asia-Pacific Region) Director

Dear All,

We are still passing through very challenging time and uncertainties. Last couple of years have taught us to be collaborative to succeed and we have exhibited teamwork with great success and many achievements to our credit.

Gujarat Section has always been known for its dedicated volunteers, who respect each other and adhere to IEEE code of ethics. Our committees have very good plans to engage members but let us work towards its effective and efficient executions.

Let us focus our activities to promote industry academia partnership programs for the benefits of students, young professionals, women in engineering and members. This shall foster career growth and shall also create opportunities. IEEE provides you lots of opportunities and also gives opportunity to create opportunities, let us explore all possible avenues of engagement and growth.

I would like to congratulate the leadership of Gujarat Section for getting IEEE Region 10 flagship conference - '2023 R10 Humanitarian Technology Conference', this has come through rigorous selection process of Region 10 and all involved in the preparation of the proposal deserve appreciation.

I am sure that Gujarat Section will keep bringing laurels under the able leadership of the Chair and dynamic volunteers.

Looking forward to working with all of you to further mission and vision of IEEE.

With best wishes!



**Deepak Mathur**

## 2. Message from IEEE Gujarat Section Chair

Greetings from IEEE Gujarat Section!

I am extremely happy and privileged to welcome all the members of IEEE Gujarat Section. We appreciate all the members who are putting their best efforts and the section has been performing well.

Our section has focused on conducting high-impact activities year on year and we have become one of the most vibrant and dynamic sections of the globe.

Our members have done tremendous efforts in such a way that the students and IEEE fraternity can get maximum advantage. We have come to associate our section with quality events and conferences.

We are witnessed that IEEE has offered numerous benefits to the students and members. I advise all student branches to get maximum benefit of it and explore the possibilities.

I have privileged to work with all our members, Student Branches, Affinity Groups, Chapters, Councils, Past Chairs, and Life Members. Let us work together towards the common goal and make this section unique and cheerful.

We look forward to seeing your support in betterment of IEEE fraternity.

Best Regards

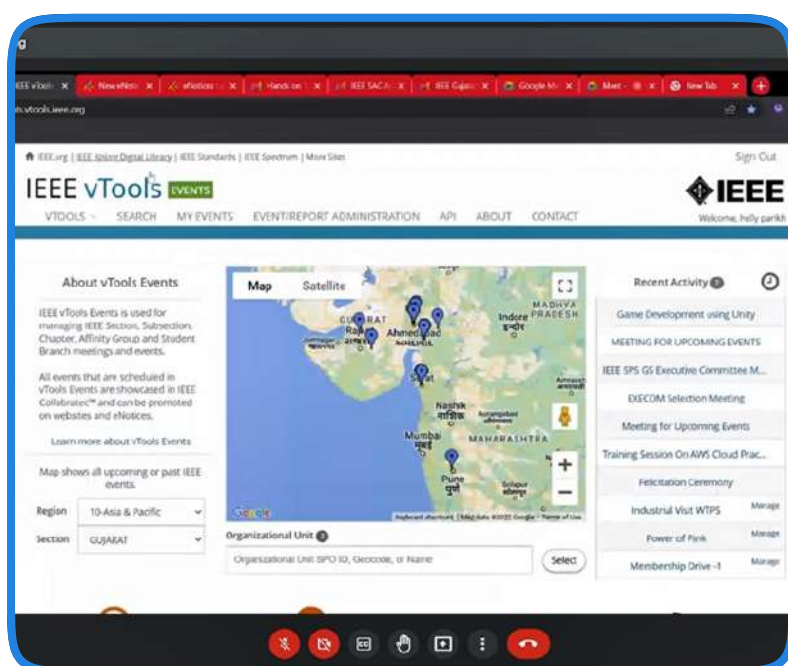


**Dr. Kiran Amin**

## 3. Events & Happenings

### 3.1 Student Activities

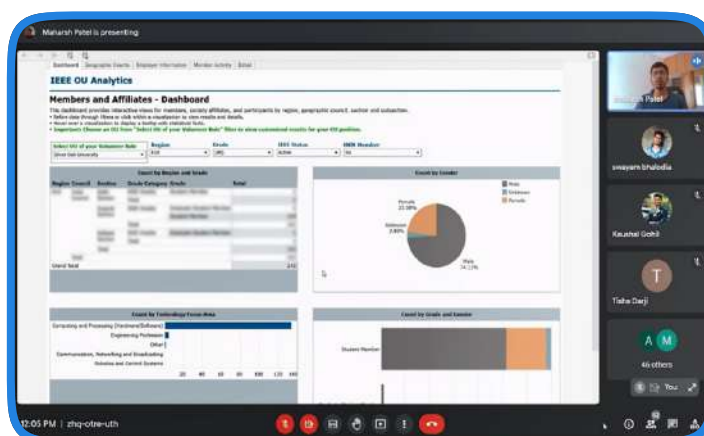
#### SOU Student Branch



#### vTools Training

The IEEE Volunteer Tools (vTools) webpage provides access to a variety of resources for IEEE members and volunteers. The vTools Training was conducted virtually on the Google Meet platform on 10th April 2022.

The Executive Committee members of the various IEEE student branches across Gujarat attended the session, with a total of 65 participants present.





## 3.2 WIE Activities

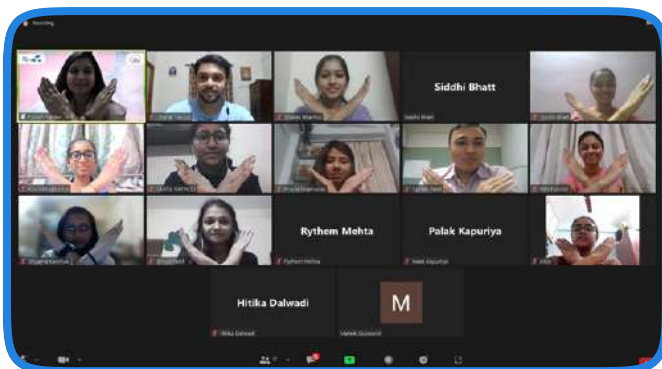
### Women's Day Celebration

#beakthebias



#### GUNI SB WIE

On Tuesday, March 8th, the world celebrates International Women's Day. The Day marks an event to have fun the development made in the direction of reaching gender equality round the arena. As such, individuals, groups, and agencies come collectively in this day to propel women's empowerment even as additionally reflecting significantly on beyond accomplishments to attempt for an more and more more gender-equitable world



#### WIE AG IEEE Gujarat Section

#### MU Student Branch WIE



## GUNI Student Branch

### WIE Member Orientation

Introducing WIE' an event by us, WIE GUNI SB, was held on Saturday, 30 April 2022. This event led the girls who are a part of the SB to get familiar with the concept of WIE as well as its importance in the society. Siddhi Bhatt, Chair of WIE GUNI SB started off with the session with her introduction to the newest addition. Then the addition of WIE was explained thoroughly by the Chair, alongside inculcating the young minds with the spirit to make everyone proud.



### Bhuj Air Force Station Educational Trip

An educational trip has been planned for the girl students of UVPCE GUNI by IEEE Ganpat University Student Branch, IEEE Women in Engineering, Swa Sarjan Foundation, Women Development Cell UVPCE in association with Air Force Association, Gujarat Branch, for 2 days and 1 night i.e., from 4th April 2022 to 5th April 2022.





For the educational trip, the students witnessed Jaguar fighter aircraft (air operations first hand, in actual combat situations) available at the IAF station. They also interacted with the IAF pilots & officers in command. They were also lucky to witness the cockpit of the fighter aircraft. We had also met and felicitated the 4 courageous ladies of Madhapur village, who had witnessed and helped the IAF by repairing the runway in 72 hours in 1971.

## Self Defence Training Program

The session started with a brief introduction and appreciation for the expert to reserve time on her busy schedule. She has started with one of the very basic training for girls. Training is aimed at instilling confidence among girls to defend themselves against anti- social elements and also to facilitate their overall personality development. The programme has been chalked out in view of increased cases of eve-teasing, rape and other atrocities on girl.





## Blood Donation Camp



The event was on “Blood Donation Camp” with the help of Indian Red Cross Society Ahmedabad. Out of the 155 donors, there were 150 male and 5 females with a mean age of 21 to 25 years. It was recognized that, among 155 donors, 35% of the donors have not donated in the last 2 years while 65% of the donors would voluntarily like to donate blood again.

It was seen that 20% of the donors had fear of needles acting as a hindrance for the blood donation. Camp was successfully completed with the collection of total 155 bottles of blood, which can save 465 lives.

## SOU Student Branch

### 3D Modeling Workshop



## MU Student Branch

**C**  
**She can**



The event was organized during women's week. We planned a coding competition that was held in three rounds. It was a C language programming contest. Female students actively participated in to the competition. We had prize distribution for the winner, first runner up and second runner up.

## Social & Cultural Happenings



## ADIT Student Branch



### Old Age Home Visit

An old age home is where people full of love and care reside. WIE members of IEEE ADIT SB visited a nursing home near Lambhvel village, Anand. The senior citizens talked to members about their life experiences and gave them some valuable life lessons. Later, our volunteers distributed food and ended their visit sweetly.

It was an offline event where ten members of WIE ADIT SB visited, who are also active volunteers of Wehelfhelpers(NGO).

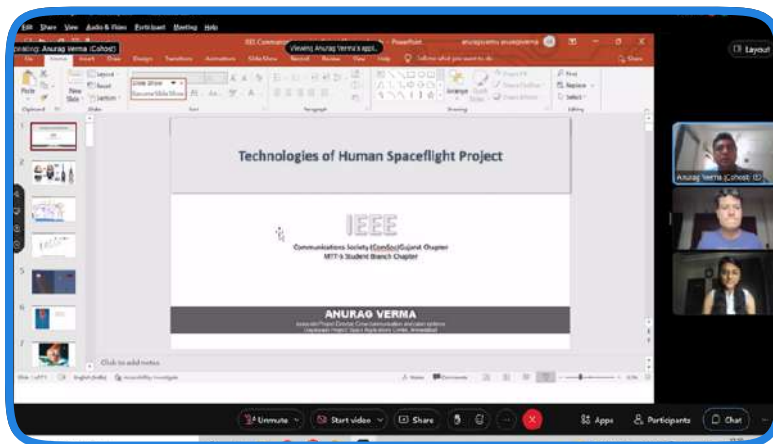
## DAIICT Student Branch

### Digital Assets

It was an online podcast session on Digital Currency. Three episodes, one each on Cryptocurrency, NFTs and Blockchain were uploaded on ifest daiict youtube channel.







## Introduction to Gaganyaan Project

It was an online session on Technologies of Human Spaceflight Project. Mr Anurag Verma, Associate Director of the project gave an overview of several phases on the working of Ganganyaan mission.

## 3.3 Chapter Activities

### IEEE BVM Vv/ SPU – STB64608



## Procyon ORBIT

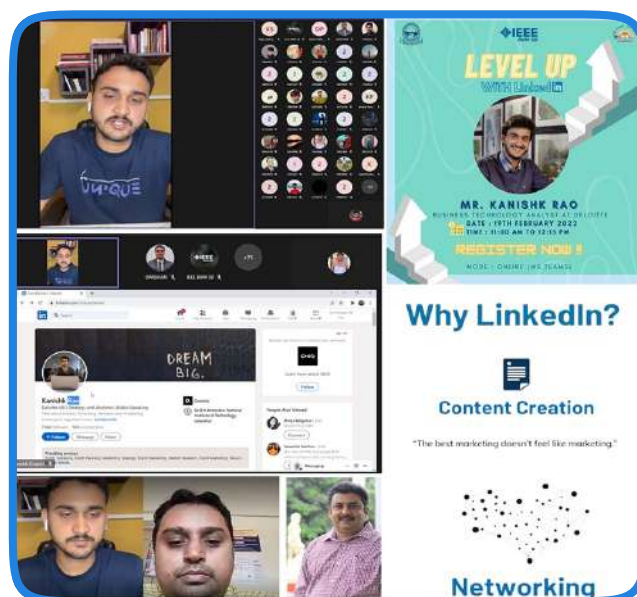
### 1 : Satellite Communication

IEEE BVM SB hosted the inaugural session of the event series, which focused on satellite communication. The expert went over the fundamentals of satellites, including their construction and design, as well as numerous crucial terms. The group learned how satellites are classified based on their use and lifespan.



## Level up with LinkedIn

"Level Up with LinkedIn" was organized by IEEE BVM SB on 19th February 2022 at 11:00 AM IST. The event covered how to build an effective and relevant profile on LinkedIn. It also covered how networking helps to connect with people having expertise in specific domains.



## Power System Economics

"Expert talk on Power System Economics" was organized by IEEE BVM SB on 26th February 2022 at 10:30 AM IST. The session covered topics such as the evolution of the Indian energy market and companies in the restructured power system. In the last part of the session, Transmission pricing and loss allocation were discussed.

## Maximize the value of IEEE e-resources

"The event was organized by IEEE BVM SB on 7th April 2022 at 11:30 AM IST. The expert speaker gave an overview of IEEE resources and the IEEE platform. He then showed us how to use IEEE Xplore which provides full-text access to world's highest-quality engineering and technology literature.





## Smart India HACKATHON'22 Pre-Qualifier

A Total of 180 students took part in the Hackathon Pre-Qualifier Round. There were 30 teams registered, with 21 for software and 9 for hardware. Smart India Hackathon 2022 aims to provide students a platform to solve some of the pressing problems we face in our daily lives.

## IEEE SOU – STB20233

## EDU-TALK : Choose Your GRAPHICS Wisely



Silver Oak University IEEE Student Branch organized an insightful Edu-talk on "Choose Your Graphics Wisely". The session was helpful in gaining a new perspective and broadening understanding of Graphics.

The talk was conducted by Maharsh Patel- who is the Student Advisory Board member. The session answered very basic but important questions; What are Graphics? Types of Graphics; commands used by Graphics; when to use which method? And what are your best options? The mentor gave deepest insights on the topic. Event was continued by a lively Question/Answer session.



## Introduction to Cloud Computing

Silver Oak University, IEEE Student Branch conducted a foundational event of Silver Oak University AWS Usersgroup. The event was the first step taken in the field of Cloud Computing and knowing what benefits the Usersgroup has to offer.

The speakers included Ms Ridhima Kapoor, Developer Marketing Manager, AWS, and Mr. Nilesh Vaghela, AWS Community Hero, India and Founder, Electromechanical Corporation. The participants were briefed with all the information about cloud computing and all the important terms related to it.

## Cyber Law in India, Need & Importance

The Department of Computer Science and Engineering-Cyber Security, Silver Oak University and IEEE Student Branch had come up with a session on "Cyber Law in India - Needs and Importance". The session was led by Kashyap Joshi, a Cyber Security Consultant and ISO Lead Auditor. Joshi provided an in-depth understanding of POCSO, explaining its characteristics, IT Act-2000 and IT Act Amendment-2008.

Offence	Sections
Sending threatening & Defamatory messages by email	Sec 503 & 499
IPC: Forgery of electronic records	Sec 463 IPC
Bogus websites, cyber frauds	Sec 420 IPC
Email spoofing & Abuse	Sec 463 & 500 IPC
Web-Jacking	Sec 383 IPC
Online sale of Drugs	NDPS Act
Online sale of Arms	Arms Act



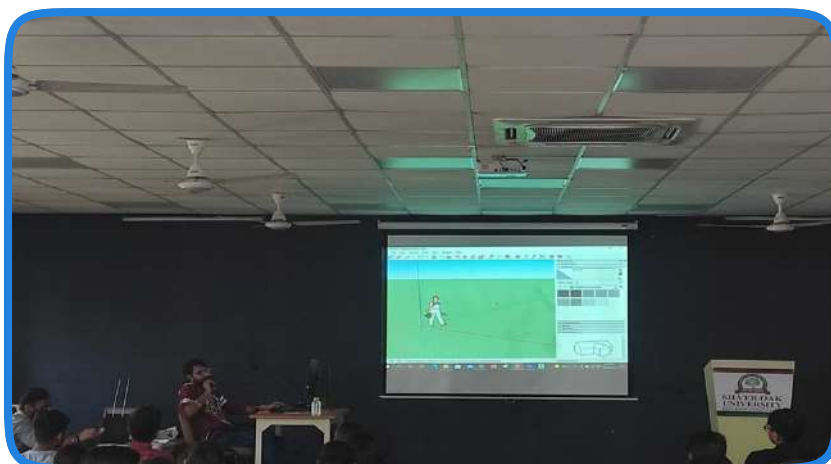
## Training Session on AWS Cloud Practitioner



AWS Cloud Practitioner was an enthralling two-day hands-on workshop. Eminent speaker Mr. NileshVaghela gave a brief on various topics of cloud computing. Participants performed a total of 7 AWS Core Services labs at the end of the workshop.







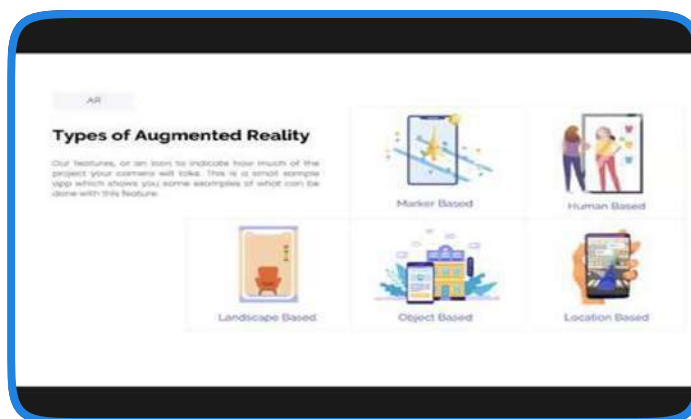
### R3nder Match : Widen Your Perspective

Silver Oak University IEEE Student Branch is dedicated to advancing innovation and excellence for the benefit of students. This interactive event was directed towards 3D Modelling, Interior Designing, architecture,

and many more. The event started with an interactive discussion with a consistent tempo which was completely directed towards its main objective. The main goal of this event was to enlighten the participants about the various uses and applications of 3D designing and modeling in their architectural expertise. The practical application of a computer program was shown as an example to gain a better comprehension of the event's purpose.

## AUGMENTED REALITY/ VIRTUAL REALITY (AR/VR)

Harshit Lalpura founder of Hash Media, who has more than 10 years of experience in Augmented Reality and Virtual Reality. Vice-chair of IEEE GS, Dr. Chirag Paunwala and Chair of IEEE SPS Chapter GS were also present at the event. Also, he gave some real-life examples which showcased various types of AR and VR.



## UNITY GAME DEVELOPMENT AND ITS APPLICATION



Silver Oak University IEEE Student Branch in association with GUJCOST, DST & govt. of Gujarat had organized a Short-Term Training Program (STTP) on "Unity Game Development & its application". Unity is a platform mainly used to create interactive gaming applications. The key words of the speaker goes "if you love games, learn how to format a PC" and

with that he showed a well formatted PPT about what is a game. The 5 days interactive and knowledgeable Workshop ended creating a spark in the students for game development.

The eminent speaker Mr. Yohaán Tavadia was admired with a memento by Dr. Satvik Khara sir. An acknowledgement about some tools from the UNITY for animations such as particle system, basic 3d animations, and control animations using script was given. A well explained practical about different types of lighting in games, about light shades and shadows were shown.



## Training Session PARALLEL PROCESSING USING OUR SUPERCOMPUTER on AWS Cloud Practitioner



SOU tries to make itself a positive element of a student's academic career by offering programs and activities that build critical skills outside the classroom. This event was organized in Apple Lab situated in Silver Oak University since the Supercomputer "Param Shavak" is installed there. Mr. Jigar Raval Sir has 20 years of experience in the field of Cyber Security and Vulnerability Assessment. He has expertise in Cyber Security-VAPT, Linux Server Security, Linux System and Network Administration along with High-Performance Computing.





## 4. Achievements / Awards / Recognitions



Silver Oak University IEEE Student Branch has won the Best Student Branch Award in Gujarat Section along with IEEE DAIICT SB

Silver Oak University IEEE Student Branch has won the Best Student Branch in Membership Development Award in Gujarat Section.












**IEEE BVM SB , IEEE SCET SB , IEEE VGEC SB won  
the Promising Student Branch Award at  
Sampark'22**

## 5. Executive Committee 2022

	<b>Chair: Kiran Amin</b> Ganpat University, Mehsana IEEE # 90363290 kiran.amin@ganpatuniversity.ac.in		<b>Immediate Past Chair and Award Committee Chair: Manik Lal Das</b> DA-IICT, Gandhinagar IEEE # 80608714 maniklal@gmail.com
	<b>Vice Chair : Chirag N. Paunwala</b> SCET, Surat IEEE # 90663609 cpaunwala@gmail.com		<b>Secretary: Ashish Phophalia</b> IIIT, Vadodara IEEE # 92558162 ce.pashish@gmail.com
	<b>Treasurer: Manisha Shah</b> Nirma University, Ahmedabad IEEE # 90792404 manisha.shah@nirmauni.ac.in		<b>Student Activity Chair: Gunvantsinh Gohil</b> JAU, Junagadh IEEE # 90607867 gunvantsinh@gmail.com
	<b>Student Activity Vice Chair: Satvik Khara</b> Silver Oak University, Ahmedabad IEEE #94170162 satvik.khara@gmail.com		<b>Membership Development Chair: Usha Mehta</b> Nirma University, Ahmedabad IEEE # 90336094 usha.mehta@nirmauni.ac.in
	<b>Education Activity Chair: Amit Nanavati</b> Ahmedabad University, Ahmedabad IEEE # 98200091 amit.nanavati@ahduni.edu.in		<b>Membership Development Vice chair: Sudhir Vegad</b> A D Patel Institute of Technology IEEE # 94840755 svegad@gmail.com
	<b>Professional Activity Chair: Amit Patel</b> PATectual IP Law Services LLP IEEE # 98196801 amitpatel.in@gmail.com		<b>Technical Activity Chair: Hardik Pathak</b> G H Patel College of Engineering and Technology, Vallabh Vidhyanagar. IEEE # 93748793 hrp.iitd@gmail.com
	<b>Technical Activity Vice Chair: H. K. Mishra</b> IRMA, Anand IEEE # 41471649 hkmishra@irma.ac.in		<b>Chapter Coordinator: Shiv Mohan</b> ISRO IEEE #92169457 shivmohan.isro@gmail.com
	<b>Industry Liaison Chair: Pankaj Gupta</b> IL&FC, Gujarat IEEE # 41577911 pkg10664@gmail.com		<b>Special Interest Group on Humanitarian Technology (SIGHT) Chair: Sanjay Shrivastav</b> DA-IICT, Gandhinagar IEEE # 90342083 sanjay_srivastava@daict.ac.in
	<b>Special Interest Group on Humanitarian Technology (SIGHT) Vice Chair: Tapan Trivedi</b> MU, Rajkot IEEE #92014201 tapankumar.trivedi.1986@ieee.org		<b>Digital Content Chair: Sumit P. Makwana</b> MEFGI, Rajkot IEEE # 93946812 sumit.makwana@marwadieducation.edu.in

	<b>Digital Content Vice Chair: Ketan Sarvakar</b> Ganpat University, Mehsana IEEE # ketan.sarvakar@ganpatuniversity.ac.in		<b>WIE Chair : Foram Rajdev</b> MU, Rajkot IEEE # 94883083 foram.rajdev@marwadieducation.edu.in
	<b>WIE Vice Chair : Alpa Shah</b> Enterpreneur IEEE # 92285186 alpa.shah@venusinst.com		<b>Young Professionals Chair: Purvi Koringa</b> GEC, Gandhinagar IEEE # 92808515 purvi.koringa@gmail.com
	<b>Member at Large : Gopal Gajjar</b> IEEE #40210739 gopalgajjar@ieee.org		

## 5.1 Advisory Committee

- **Mr Deepak Mathur**  
Director of IEEE Region 10
- **Dr Anil Roy**  
PhD (Physics), Dhirubhai Ambani Institute of Information and Communication Technology
- **Dr R B Jadeja**  
Dean Faculty of Eng., Marwadi University
- **Dr Maniklal Das**  
PhD (Information Technology), Dhirubhai Ambani Institute of Information and Communication Technology
- **Dr Y P Kosta**  
Principal & Prof. (CSPIT), Charotar University of Science and Technology

## 5.2 Editorial Team

- **Dr. Kiran Amin** : Editor in Chief
- **Dr. Chirag Paunwala** : Submissions Editor
- **Dr. Alpa Shah** : Associate Editor
- **Prof. Ketan Sarvakar** : Associate Editor
- **Krish Patel (GUNI)** : Student, Design Editor
- **Divyesh Patel (SOU)** : Student, Content Editor
- **Abhay Pisharodi (SOU)** : Student, Content Editor
- **Venish Sureliya (GUNI)** : Student, Design Editor
- **Mihir Parmar (GUNI)** : Student, Design Editor