

## **IEEE GUJARAT Section Report for the Year 2020**

**Members: 1413**  
**Society Chapters: 10**  
**Council Chapters: 2**  
**Affinity Group: 2**  
**Student Branches: 27**

*25 February 2021*

## **PART A: SECTION SUMMARY**

### **A.1 Executive Summary**

#### **Section Executive Committee Members in 2020**

<b>Name</b>	<b>Office</b>
Maniklal Das	Chair
Kiran Amin	Vice-Chair
Chirag N. Paunwala	Secretary
Ashish Phophalia	Treasurer
Mehul Raval	Jt. Secretary
Sanjay Srivastava	Educational Activity Chair
Usha Mehta	Chapter Coordination Chair
Foram Rajdev	WIE and YP Chair
Ankit Dave	Student Activity Chair
Maulin Joshi	Technical Activity Chair
Hardik Pathak	Professional Activity Chair
Manisha Shah	Membership Development Chair
Sumit Makwana	Web Master
Anjali Diwan	Member
Manan Thakker	Member
Deepak Mathur	Adviser
Anil Roy	Adviser
Y.P.Kosta	Adviser
R.B.Jadeja	Adviser
Arup Dasgupta	Adviser

#### **Section Highlights**

#### **Gujarat Section received The R10 Outstanding Medium Section Award for 2020**

1. Following leadership positions held by our volunteers
  - a. Director, R10 for 2021 - Deepak Mathur
  - b. VP Technical Operations of Sensor Council ADCOM – Anil K Roy
  - c. Treasurer, R10 for 2021- R.B.Jadeja
2. Dr. Maniklal Das has been appointed as Associate Editor for IEEE Transactions on Dependable and Secure Computing.

## Major Events (International, National)

### IEEE India Council Conference (INDICON 2019)

INDICON is a flagship event of IEEE India Council held annually in different parts of India. INDICON 2019 was the 16<sup>th</sup> edition of this conference.

Date: December 13-15, 2019; Venue: Marwadi University, Rajkot, India

No. of Participants: 400

### 5<sup>th</sup> Edition of National Seminar on Computer Vision & Image Processing (NaSCoVIP 2020)

The three days seminar was focused on theme of Computer Vision and Image processing for Health Care.

Dates : 9<sup>th</sup> to 11<sup>th</sup> October 2020

Theme: Computer Vision and Image processing for Health Care

With the explosion of Internet technology and Graphic Engines, there has been a massive growth in the research area of Computer Vision and Image Processing. While the field of Image Processing deals with the processing of digital images that are two-dimensional entities, Computer Vision adds the third dimension by computing the object's depth. A three-day national seminar will promote research and developmental activities in India. The seminar fortifies the Computer Vision and Image Processing and the related fields by assembling experts and the researchers. The seminar's primary goal is to promote scientific information exchange amongst experts, researchers, developers, engineers, students, and practitioners working in the country. The scientific program of the seminar will consist of presentations by leading experts worldwide in the field of Computer Vision and Image Processing. Experts will address the recent developments and trends in the fields. Participants will get enough opportunity to enhance their knowledge regarding the state-of-the-art fields through interaction with experts. It will stimulate the research potential of the candidates who wish to pursue doctoral degrees in the related fields.

### **WiSe (Women in Sensors) Week 2020**

Category: Technical

Start Time: 28th September, 2020, 5:30 pm (IST)

End Time: 2nd October, 2020, 7:00 pm (IST)

**WiSe Week 2020**  
Series of Webinars  
28 Sept - 2 Oct, 2020

Speakers: Anita Basalingappa, Gaurav Sharma, Abhishek Jani, Tushar Gadhiya, Sinead O'Keefee, Nazanin Bassiri-Gharb, Helen Mulvana, Foram Rajdev, Zeynep Celik-Butler, Jill Gostin, Sonali Dubey

Register (free) here: <https://bit.ly/3cfZfxC>  
YouTube Live: <https://bit.ly/3chn1Jq>  
Facebook Group: <http://rb.gy/vjxtfk>

Logos: IEEE Sensors Council, IEEE Gujarat Section Women in Engineering Affinity Group, IEEE Women in Sensors

IEEE Gujarat Section Sensors Council Chapter has announced “WiSe Week”, a 5-day 90 min each series of events during Sep 28 – Oct 2, 2020. WiSe is an acronym for Women in Sensors (WiSe) of IEEE Sensors Council. In this WiSe Week we reached out to students and professionals to promote women in sensing technology, in particular, and in STEM, in general. We hope that such focused occasions would provide the opportunity to create

communities for facilitating knowledge sharing and offering support for women in this domain. WiSe Week witnessed five highly interactive sessions covering

- Your research temperament (Day 1: a session by Prof. Gaurav Sharma),
- Understanding the ecosystem to promote women with equal opportunity (Day 2: Panel Discussion with highly accomplished women leaders),
- The management skills when you are working in team (Day 3: a session by Management faculty),
- A technical workshop on a very unique topic (Day 4: workshop on Deep Learning Techniques for Sensors Based Services) and
- An educational workshop (Day 5: DIY using sensor boards).

### **SAMPARK 2020**

SAMPARK is an annual IEEE Gujarat Section event organized by student branches of IEEE Gujarat Section where every student branch members' meet-up, showcase events carried out under their student branch and get best networking opportunity.

Event Date: January 5, 2020

Venue: U V Patel College of Engineering  
Ganpat Vidyanagar, Mehsana-Gozaria Highway,

**No. of Participants:** 340 (IEEE Member: 264, Non-IEEE Members: 76)



Glimpses of SAMPARK 2020

### **Webinar of IEEE Educational Activities and Funding Opportunities**

An online webinar was co-organized by the Section SAC and Young Professionals AG on the topic "IEEE Educational Activities and Funding Opportunities". The webinar was delivered by Emeritus Professor Dr ChunChe Lance Fung, Director-Elect 2021-2022, IEEE Region 10 and Chair, IEEE R10 Educational Activities Committee. More than 70 participants joined the webinar to learn more about the IEEE Education Activities Board,

activities and initiatives under EAB, volunteering and funding opportunities. The session was very interactive and a great success.



## Major Chapter Activities

### Graphics Design Workshop

**Date:** 7th – 12th February 2020

**Total Number of Participants:** 60 (IEEE Members: 35 Non-IEEE Members: 25)

**Description:** The purpose of this workshop was to inculcate the basic knowledge of designing using Adobe

Photoshop. This workshop was aimed to help participants think creatively and develop a niche for designing by providing them with a concrete base to work upon.

### 3D Printing Workshop for Beginners

Resource Person: Abhishek Jani, DA-IICT, Smart City Lab

Venue: DA-IICT, Gandhinagar

Participants: 88 (IEEE Member/Non-member: 34/54)

### Webinar on IEEE Educational Activities and Funding Opportunities.

Speaker: Prof. Dr. Chunche Lance Fung

Date: 21<sup>st</sup> June 2020

**Total Number of Participants:** 80 (IEEE Members: 40 Non-IEEE Members: 40)

### EC Arduino Workshop

Date: 25th-27th May, 2020

Venue: CVM University, G H Patel College of Engineering & Technology

**Description:** Women in Engineering Affinity Group GCET Student Branch Chapter in association with Parambh- The GCET Project Club organized a Workshop Series on Arduino and its Applications. This series was aimed at providing the participants with basic exposure and demonstration of the Arduino Development Board and making them aware of its applications and implementation.

### Getting into Data Science using Python

Organized by: Silver Oak University IEEE WIE AG

**Total Number of Participants:** 937 (IEEE Members: 80 Non-IEEE Members: 857)

Date of Event: 1st and 2nd June, 2020

Venue of Event: YouTube Channel(Silver Oak University IEEE SB)

### Self Defense – Be Alert & Fight Back

**Date:** 16 June 2020

Organized by: IEEE STUDENT BRANCH, A. D. PATEL INSTITUTE OF TECHNOLOGY

**No of Participants:** 60

## **IEEE Local Outreach - Webinar (in Gujarati) on IEEE Membership Benefits**

**No. of Participants:** 100

**Description:** As a part of the IEEE Local Outreach program, IEEE Gujarat Section SAC organized an online webinar on the topic “IEEE Membership Benefits”. All the sessions were delivered in Gujarati language

## **Webinar on Mental awareness for General Well Being**

Date: 21/8/2020

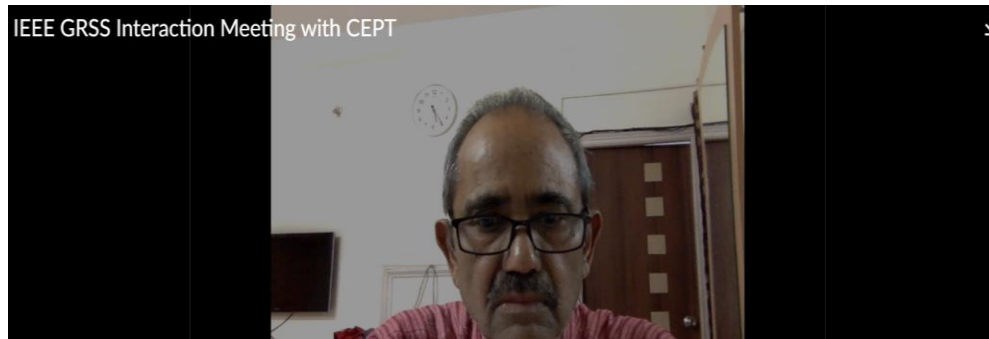
No. of Participants: 100 (IEEE -78, Non IEEE - 22)

**Description :** Mental health awareness can play a significant role in improving emotional well-being of the people. The COVID-19 pandemic has resulted in a world wide economic recession which has affected many people’s mental health.

## **Interaction meeting with CEPT University Geomatics students**

An interaction meeting was conducted virtually for the students of M Tech (Geomatics) of CEPT University towards promoting the activities of IEEE GRSS and bringing the benefit to students. Meeting was organized by IEEE GRSS and coordinated by Dr Dipak Samal of CEPT University. There were 43 participants in the meeting. Dr Shiv Mohan informed the participants about IEEE and GRSS Society, which is one of the largest professional societies in the world. Dr Aishwarya Narain informed the participants about the Collaborate program of society and its benefits to members. Dr Anup Das described various benefits of the society to its members and in particular to student community.

Dr Bindi Dave brought out the benefit to her as a student and professionals member of the society. Dr Shaily Gandhi also informed the students about various benefits to her as student and professional members. It is proposed to continue the activities in the interest of students and professionals of CET University, Ahmedabad.



## A.2 Financial Report

IEEE GUJARAT SECTION					
Financial Reporting 2020 (As per submitted to HQ)					
INCOME			EXPENSES		
1.3	Received from Foundations (Income)	5000	4.1	Meetings & Social Events (Expense)	280752
2.5	Conference Revenue (Income)	246700	4.5	Conference Expenses	1286283
2.8	Student Activities (Income)	174085	4.6	Educational Activities (Expense)	6000
3.34	IEEE HQ & Societies (Income)	3978683	4.7	Professional Activities (Expense)	60060
3.4	Interest (Income)	138777	4.8	Student Activities (Expense)	624956
3.7	Other Income	348039	4.9	Other Program Expenses	135547
	<b>Total</b>	<b>4891284</b>	5.5	Support to Sections/Chapters (Expense)	35000
			5.6	Other Management & General Expenses	677272
			6.2	Other Expense	1697016
				<b>Total</b>	<b>4802886</b>
				Difference (Income-Expenses)	88398

## PART B: ORGANIZATIONAL ACTIVITIES

### B.1 Membership Development Activities

Total number of active members in the past 2 years:

Year	No. of Members
2019	1432
2020	1413

### Steps taken to improve the membership growth

1. Senior Membership Elevation Drive is carried out. All eligible professional members are motivated to apply for Senior Membership. We sent an information email to around 32 eligible IEEE members, out of them 12 members have already applied for the Senior Membership Elevation and others are in pipeline. Requests to provide support to get three recommendation letters for the application of Senior Membership is also received by some of the eligible professional IEEE members. All the requests are answered by personal communication and email. The support to get three recommendation letters is extended to all requested members by IEEE Gujarat Section.



2. To promote the IEEE Membership, a poster is designed and will be put on the Section website. The poster will also be sent to all the Student Branches of IEEE Gujarat Section.
3. In the meetings of Branch Counselor with Student activity chair, issues faced by the counselors to get more IEEE student/professional members were discussed with its possible solution.
4. Webinar is organized by SAC on "Benefits IEEE Membership" on 19th September 2020, Saturday - 4:30 PM. The aim of this webinar is to promote IEEE and its membership benefits to the local communities of the section and motivate students and professionals to join the IEEE family.

## **B.2 Chapter Activities**

**Total number of chapters in the Section are 10.**

### **Summary of chapter activities**

#### **Distinguished Lecture by Dr. Janusz Konrad**

Title of the talk: Towards Autonomous Video Surveillance

Date: 10<sup>th</sup> January 2020; Venue: CKPCET, Surat

No. of participants: 100

#### **Distinguished Lecture by Mr Rohit Singh, ESRI**

Title of the talk: GeoAI: Applying Machine Learning and Deep Learning to Geospatial Data

Date: 31<sup>st</sup> July 2020; Venue: Online

No. of participants: 173

#### **Distinguished Lecture by Dr David G. Long**

Title of the talk: GeoAI: Applying Machine Learning and Deep Learning to Geospatial Data

Date: 31<sup>st</sup> July 2020;

Venue: Online

No. of participants: 70

#### **SPS SB opening @MBIT**

Date: 29 August 2020

Venue: online mode opening ceremony of SPS SB @MBIT

Speakers: Prof. K.V.S Hari, IEEE, Vice president Membership IEEE SPS USA; Prof. Rajib Das, Assistant Professor, DAIICT, Gandhinagar

Attendees: 91

#### **Chapnet lecture jointly with MAPIN Indonesia**

Chapnet program is a joint activity between Gujarat-India, Japan and Indonesia. The program organizes different activity for the benefit of professionals from these countries. First program consisted of three webinars on SAR.

#### **Interaction meeting with CEPT University Geomatics students**

Date: 14th Aug 2020

An interaction meeting was conducted virtually for the students of M Tech (Geomatics) of CEPT University towards promoting the activities of IEEE GRSS and bringing the benefit to students. Meeting was organized by IEEE GRSS and coordinated by Dr Dipak Samal of CEPT University. There were 43 participants in the meeting.



**Seminar on "Adaptive Algorithms for on-line identification of sparse systems or channels"**

Speaker: Dr. Rajib L. Das

Date: 28<sup>th</sup> January 2020; Venue: DAIICT, Gandhinagar

No. of participants: 40

**Seminar on "Spanning Tree Auxiliary Graphs"**

Speaker: Dr. Rajib L. Das

Date: 25<sup>th</sup> Feb 2020; Venue: DAIICT, Gandhinagar

No. of participants: 30

**Workshop on Getting Started with Python**

The workshop was focused on understanding of Python for Signal Processing

Date: 19<sup>th</sup> September 2020; Venue: SCET, Surat

No. of Participants: 75

**5<sup>th</sup> Edition of National Seminar on Computer Vision & Image Processing (NaSCoVIP 2020)**

The three days seminar was focused on theme of Computer Vision and Image processing for Health Care.

Dates : 9<sup>th</sup> to 11<sup>th</sup> October 2020

No. of Participants: 45

**National Workshop on Advanced Remote Sensing**

The workshop was focused on capacity building of Geography teachers and research scholars.

Dates: 1-12 December 2018; Venue: Gujarat University, Ahmedabad

No. of participants: 28.

**Technical Talk on: Defending Cyber Crimes by Laws by Mr. Manan Thakker****Date of Event:** 29th August, 2020**Organized by:** IEEE GS / IEEE UVPCE SB**Venue of event:** Google Meet**Total number of Participant (IEEE/Non-IEEE) – 69 (16 IEEE Members/53 Non-IEEE Members)****Technical Talk on: 3D semantic segmentation of brain tumor for overall survival prediction by Dr. Mehul S. Raval****Organized by:** IEEE GS / Charusat SB**Total number of Participants (IEEE/Non-IEEE) - 58****Date of Event:** 12/09/2020**Venue of event:** Google Meet**Talk on: Cyber Security Law Awareness****Speaker: Mr. Manan Thakker****Organized by :** IEEE GS STEP lecture at Silver Oak University IEEE SB**Date of Event :** 5th October, 2020**Venue of event :** Zoom Meetings (online mode)**One-day Workshop on Cyber Security****Organized by:** Computer Society Chapter**Date:** 19 December 2020**Venue:** Virtual**Attendees:** 25

### **Four days Seminar on Satellite Communication and its Applications for the Common Man**

**Dates:** 11<sup>th</sup>, 13<sup>th</sup>, 14<sup>th</sup> and 17<sup>th</sup> August, 2020

**Organised by:** IEEE Gujarat Section and Indian Space Industries Exhibitors (ISIE)  
Ahmedabad-Ghaziabad

**Description:** The dream of Padam Vibushan Dr. Vikram Sarabhai that fruits of Space Science and Technology should reach to the common man of the country. This awareness on line lecture series organized was a befitting tribute to the father of India's Space program on his 101 birth day.

### **B.3 Professional and Continuing Education Activities**

- Gujarat Section Professionals' Awareness Seminar 2020 was a series of webinar sessions held on 26th-27th April, 2020. IEEE Gujarat Section along with E-chai hosted a program on "Opportunities and Challenges in IoT" at CIIE, IIM Ahmedabad on 13 April 2019.
- This webinar series was targeted for working professionals that was inclusive of topics like, Patent Filing and Cyber Laws, which are currently significant in the professional and technological domain.
- Self-Branding for Professional Awareness was a webinar session, held on 4th October, 2020. It was aimed at professionals and students who wanted to further their self brand and image, thus, improving their future career aspects.

### **B.4 Students Activities**

**Total number of Student branches in the Section is 29**

#### **Summary of activities**

#### **SAMPARK 2020**

Sampark is an annual IEEE Gujarat Section event organized by student branches of IEEE Gujarat Section where every students' branch member meetup, showcase events carried out under their student branch and get best networking opportunity. This year 14th edition, Sampark 2020 was hosted by IEEE Student Branch of U.V.Patel College of Engineering, Ganpat University, Mehsana on 5<sup>th</sup> January, 2020 where 13 more than 400 delegates registered themselves to attend the event. The tag line of the event was "Reach Out and Engage"



## Reaching Local – Webinar on IEEE Membership Benefits (delivered in Gujarati)

IEEE Gujarat Section SAC team organized an online webinar on the topic of IEEE Membership Benefits where all the session was delivered in Gujarati (local language of the geography) as a part of IEEE's Reaching Local initiative. The aim for the webinar was to spread awareness about the membership benefits of IEEE for students and working professionals in the local community. More than 120 participants from various institution and industries had registered to attend the webinar.



IEEE Gujarat Section  
ieeegujaratsection.org

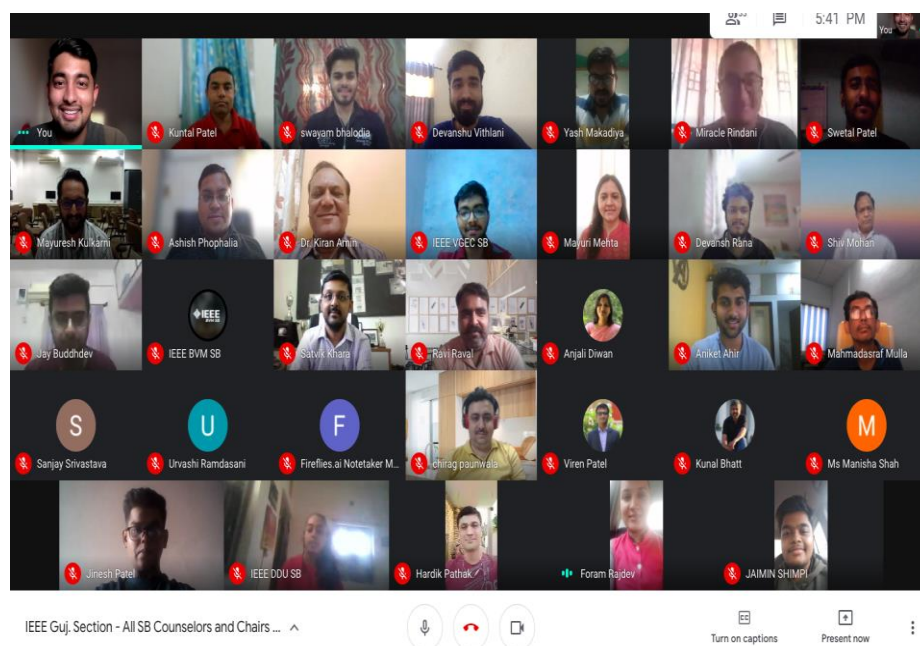
IEEE Gujarat Section  
presents an online webinar on  
**IEEE Membership Benefits (in Gujarati)**

IEEE ગુજરાત સેક્શન દ્વારા આયોજિત ઓનલાઇન વેબિનાર માટે આજે જ રજીસ્ટર કરો અને IEEE ગુજરાત સેક્શન ના કમિટી મેમ્બર્સ પાસેથી સાંભળો IEEE મેમ્બરશિપનું મહત્વ (ગુજરાતી માં)

Guests (ગેસ્ટ)	Speakers (સ્પીકર્સ)
 <p><b>Manik Lal Das</b> Chair, IEEE Gujarat Section ચેર, IEEE ગુજરાત સેક્શન</p>	 <p><b>Ankit Dave</b> Chair, Section Students Activity Committee ચેર, સેક્શન સ્ટુડન્ટ એક્ટિવિટી કમિટી</p>
 <p><b>Deepak Mathur</b> Director-Elect, IEEE Region 10 ડિરેક્ટર ઇલેક્ટ, IEEE રીજીયન ૧૦</p>	 <p><b>Foram Rajdev</b> Chair, WIE and YP Affinity Group ચેર, વુમન ઈન એન્જિનિરીંગ અને યંગ પ્રોફેશનલ</p>
<div style="background-color: #0072bc; color: white; padding: 10px; border-radius: 5px; width: fit-content; margin: 0 auto;"> <p>Date: 19 September, 2020 (Saturday) Time: 4:30 PM Onwards</p> <p>Registration Link: <a href="http://bit.ly/ieeegujaratwebinar" style="color: white;">http://bit.ly/ieeegujaratwebinar</a></p> </div>	 <p><b>Hardik Pathak</b> Chair, Professional Activities ચેર, પ્રોફેશનલ એક્ટિવિટી</p>

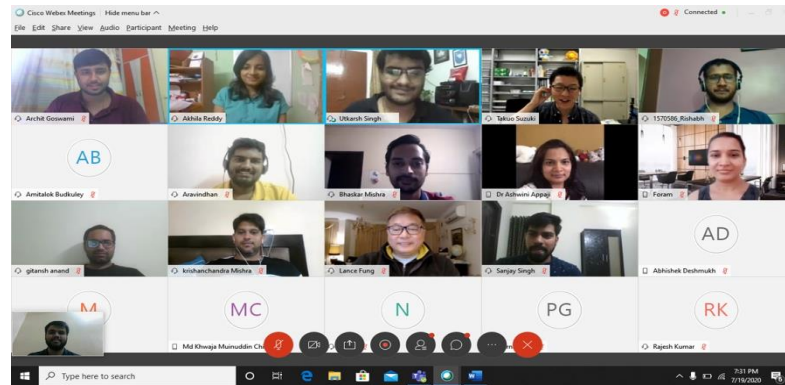
## Quarterly Meeting of All Student Branch Counselors and Chairs

A new initiative to ensure smooth operations of the SBs within the section and to create a platform for all SB's counselors and chairs to network and brainstorm about the events and activates along with the Section SAC team. It has helped to keep the SBs active and enabled them to do many good events even in the virtual COVID days.



### **Webinar on IEEE Education Activities and Funding Opportunities**

IEEE Gujarat SAC organized an online webinar on the topic IEEE Educational Activities and Funding Opportunities which was delivered by the IEEE R10 EAC Chair 2020, Dr. Lance Fung. More than 80 participants has registered and attended the webinar.



### **i-Fest (Annual Techfest of DA-IICT)**

Various technical and professional development events were conducted by the IEEE Student Branch at DA-IICT, Gandhinagar in co-ordination with the IEEE Gujarat Section SAC including webinars on topics like “How to improve your tech skills during lockdown” and “How to level-up your ML game”. As a part of the event, an online coding competition was also conducted on 14<sup>th</sup> June 2020. Around 300 participants took part in the events.

### **2-day webinar on Blockchain and its Application**

Interactive sessions were conducted on the topic of Blockchain and its Application by the IEEE Student Branch of Silver Oak University, Ahmedabad in association with Section SAC. Industry experts in the domain of Blockchain delivered the sessions and also shared some real-life examples of its application. A total of 150 participants took advantage of this sessions.

### **2-day event on Cyber Security and Digital Forensics**

An online event for 2 days was conducted on the topic of Cyber Security and Digital Forensics by IEEE Student Branch of Silver Oak University, Ahmedabad in association with GUJCOST, DST, Government of Gujarat and IEEE Gujarat Section SAC. Cyber security advocated and digital forensic experts from various government and private firms facilitated the sessions and shared the importance of cyber security, best practices of using open internet and awareness of cyber bullying, online frauds and crimes. A few legal case studies and scenarios were also presented to the participants. More than 230 participants registered and participated in the event.

### **Online workshop on Regression and Classification using Python**

An online hands-on workshop of the topic of Regression and Classification using Python was conducted by the IEE Student Branch, G H Patel College of Engineering and Technology, Vidhyanagar in co-ordination with Section SAC. More than 60 participants took part in the workshop and did hands-on exercises using python.

### **Problem Solving Strategies for Competitive Coding**

An online expert session was organized by IEEE Student Branch, MBIT, Vidhyanagar on the topic of Problem-Solving Strategies for Competitive Coding. This webinar was conducted to spread awareness of IEEE Computer Society’s 24-hour online coding competition IEEE Xtreme and also to share tips and tricks to participate and such coding competitions. The ambassadors selected for IEEE Xtreme 2020 delivered the session with the help of materials provided by IEEE Xtreme committee.

## **B.5 Affinity Group Activities**

### **Young Professionals (YP)**

#### **Youth Icon 2020**

**Date:** 1<sup>st</sup> June 2020

**Description:** Young Professionals Affinity Group – Gujarat Section had organized “Youth Talk” contest where participants were asked to speak on the topic from “What’s your goal direction once the lockdown is lifted?”, “How will you achieve your career goals after receiving your degree?”, “What is your plan for future studies”, “Explain your start-up plans”. They were allowed to choose their topic and they were asked to upload their video recording on you tube.

#### **TEMS-AIM**

**Date:** 25<sup>th</sup> July 2020 (online mode)

**Description:** The core perspective of this event was to spread awareness and information regarding IEEE TEMS chapters, the vision, mission and the benefits of IEEE TEMS amongst the youth along with providing insights into the emerging fields and technologies

### **Women-in-Engineering (WIE)**

We have three very active WIE affinity groups at i) DA-IICT student branch, ii) Nirma student branch, iii) LDRP student branch and iv) Marwadi University student branch. These affinity groups have won various laurels and awards in previous years for their impact towards the objective. These are: 2010 WIE Affinity Group of the Year Award for DA-IICT SB and 2011 R10 WIE Student Branch Affinity Group of the Year for Institute of Technology, Nirma University SB. Recently our GCET student branch has applied for the affinity group of WIE.

#### **Techmofense**

Organized by: Silver Oak University IEEE WIE AG

Total Number of Participants: 50 (IEEE Members: 45 Non-IEEE Members: 5)

Date of Event: 6th March, 2020

Venue of Event: CV Raman Hall, Silver Oak University

**Details:** This event was conducted under the Silver Oak University IEEE WIE AG as a part of the International Women’s Day Celebration. We mainly focus on the advancement of the role of women in the engineering field and to make their peer presence felt in this tech era. This event (TECHMOFENSE) contained three parts such as technical, motivational and self-defense training.

#### **COLLOQ 2020**

**Date:** 13th-14th April, 2020

**Total Number of Participants:** 75 (IEEE Members: 45 Non-IEEE Members: 30)

**Venue:** CVM University, G H Patel College of Engineering & Technology

WIE Affinity Group, IEEE SIGHT, and IAS-PES Joint Chapter of the IEEE GCET Student Branch organized a webinar series, ColloQ 2020, which focused on increasing awareness of humanitarian developments worldwide and encouraging participation among people towards taking their first step towards the welfare of humanity.

**Webinar on The Art of Business Thinking**

Organized by: WIE AFFINITY GROUP IEEE STUDENT BRANCH DA-IICT

Participants : 70

Date of Event: 6th June 2020

Venue of Event: Online

**Expedition: A Virtual Hunt**

Organized by: Silver Oak University IEEE WIE AG

**Total Number of Participants:** 1300 (IEEE Members: 200, Non-IEEE Members: 1000)

**Date of Event:** 11th & 12th July, 2020

**GENESIS – Beyond Learning**

Organized by: Silver Oak University IEEE SB & WIE AG

**Total Number of Participants:** 1056 (IEEE Members: 246 Non-IEEE Members: 810)

**Date of Event:** 25th – 29th April, 2020

Venue of Event: YOUTUBE Channel(Silver Oak University IEEE SB)

**Description:** “GENESIS – Beyond Learning” was a five-day webinar series organised by Silver Oak University IEEE SB and WIE AG in collaboration with Headstart Network Foundation, PyData Ahmedabad, GDG Ahmedabad, WTM Ahmedabad & GDG Cloud Ahmedabad. The motto behind this event was to empower knowledge and inculcate skills amongst students with virtue of discovering aspects of technology and professionalism.

**International Women in Engineering Day Celebration**

Organized by: Silver Oak University IEEE WIE AG

Total Number of Participants: 40 (IEEE Members: 30 , Non-IEEE Members: 10)

Date of Event: 23rd June, 2020

**Women with ambition**

Date: 21st August 2020

Organized by: IEEE SB WIE AG A. D. PATEL INSTITUTE OF TECHNOLOGY

No of Participants: 21

Event Type: Non-technical

**WiSe (Women in Sensors) Week 2020**

Category: Technical

Start Time: 28th September, 2020, 5:30 pm (IST)

End Time: 2nd October, 2020, 7:00 pm (IST)

No of Participants: 70

Description: IEEE Gujarat Section Sensors Council Chapter is privileged to announce “WiSe Week”, a 5-day 90 min each series of events during Sep 28 – Oct 2, 2020. WiSe is an acronym for Women in Sensors (WiSe) of IEEE Sensors Council.

**UDGAM v4.0: Don't Wait to Innovate'**

Organized By: WIE IEEE AU SB and CLIQUE

Total number of participants: 42participants ( 9 teams ) .

Date of Event: 9th August 2020

Venue of the Event: Zoom

Description: ‘UDGAM v4.0: Don't Wait to Innovate’ is an entrepreneurial event, which brings together students who aspire to develop tenable and robust business plans.

### **Webinar on “Let’s explore Language Model: Google BERT”**

Organized By: WIE IEEE AU SB

Total number of participants: 50 Participants

Date: 19th July 2020

Venue: Google Meet

Speaker: Krupa Galiya

### **Women in Engineering Day Celebration**

**Date:** 23/06/2020

**No. of Participants:** 90 (IEEE -15, NonIEEE - 75)

**Description :** To celebrate International Women in Engineering Day, we had organized Panel discussion on "Role of Women in Engineering". Event:

## **B.6 Awards & Recognition Activities**

### **Award constituted by the Section**

- **Gujarat Section received The R10 Outstanding Medium Section Award for 2020**
- The section provides awards and prizes to best student branches during the annual event SAMPARK.

### **Following leadership positions and recognition held by the Section volunteers**

- Director-Elect, R10 for 2021 - Deepak Mathur
- VP Technical Operations of Sensor Council ADCOM – Anil K Roy
- IEEE Gujarat Section Sensors Council Chapter has been selected as the recipient of the 2018 IEEE Sensors Council Outstanding Chapter Award.
- Dr. Maniklal Das has been appointed as Associate Editor for IEEE Transactions on Dependable and Secure Computing.

## **B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)**

The section homepage is: <http://ieeegujaratsection.org/>. Our website normally gets updated on weekly basis. But when there is some event there, it might get updated 2-3 times a day even. The site is developed on WordPress CMS platform. For the convenience of all SBs and chapters, and for the sake of data currency we are also introducing some unique features in this website, such as, i) Facility for Student Branches to update their event calendar using some login/password facility, ii) Auto updation of the upcoming events and their archival, iii) Same facility for chapters also to maintain their event calendar, iv) a password protected page to archive all our minutes of meetings, financial reports and other historical information.

Other means of contacts with section members

- a. e-notice
- b. We have created our own customized list of emails and that is used most frequently
- c. Very often we reach out to all engineering colleges, academic institutions for our national, state level events’ announcements. For this also, we have developed our own customized address database which we use on case-to-case basis.

## **B.8 Humanitarian Technology Activities**

We have a very active SIGHT, named ‘Disha’, here in our section. This is one of the earliest SIGHT formed worldwide. We have been doing three projects for humanitarian challenges: Sustainable Technology for Empowering People (STEP) – This is to bring clean and safe drinking water for the resource-crunched people in developing nations. However, the idea of treating water to make it drinkable or potable looks sodden, but any effort is a miniscule



effort against the scale it is needed for the world community. Over 50% of world population remain mired in extreme poverty that results into poor healthcare facility, acute scarcity of clean drinkable water, no power, ravaging sanitation, no education and what not. The water-management industry is a \$400-billion-a-year industry. Water covers more than 70 percent of the Earth, but only 1 percent can be consumed without processing, filtering or melting polar ice caps. That supply appears to be dwindling as the global population grows and industry and agriculture require more and more water besides the contamination and pollution sources increasing exponentially over years.

## **PART C: OTHERS**

### **C.1 Problems to be anticipated**

1. Scarcity of good, dedicated volunteers.
2. Retention of student members

### **C.2 Best Practices of your section (which you would like share with other sections for the benefits of members)**

1. SAPMPARK, bringing all students branches under one-day full event, including both technical and non-technical activities.
2. Flagship events like ERTE and NaSCoVIP are the continuing as effective technical events at national levels.

## **PART D: GOALS AND PLANS**

### **Goals and Future Plans**

- Encourage active student branch to have chapter unit and having more activities.
- Make dormant branches active with section's support.
- More quality technical events and networking activities need to be organized.
- Periodical F2F sessions among volunteers on training besides CLE and other regular support.

**Manik Lal Das**

Chair, IEEE Gujarat Section