

IEEE PUNE SECTION 2020 Report

PART A - SECTION SUMMARY

A.1 Executive Summary –

- Section Executive Committee Member List

Section Executive Committee 2020	
Name	IEEE Position
Mr. Girish Khilari	Chair, IEEE Pune Section
Mr. Jagdish Chaudhari	Vice Chair, IEEE Pune Section
Dr. Amar Buchade	Secretary, IEEE Pune Section
Dr. Rajashree Jain	Treasurer, IEEE Pune Section
Dr. Rajesh Ingle	Chair, Computer Society Chapter
Dr. Sunil Somani	Chair, Communication Chapter
Dr. Virendra Shete	Chair, Education Society
Dr. Surekha Deshmukh	Chair, PES/IAS Chapter
Dr. Vinayak Bairagi	Chair, Signal Processing Society Chapter
Mr. Bhaskar Mishra	Chair, YP Affinity Group
Mrs. Meera Thorat	Chair, WIE AG
Mr. Dinanath Kholkar	Chair, Industry Relations
Mr. Dinanath Kholkar	Chair, Membership Development
Prof. Mandar Khurjekar	Chair, Conferences
Dr. Neha Sharma	Chair, Newsletter
Dr. Pradeep Mane	Chair, Students Activity Committee (SAC)
Mr. Tushar Mote	Chair, Section Awards committee

Dr. Vivek Deshpande	Vice Chair, Industry Relations
Dr. D.J.Doke	Member
Prof. G.S.Mani	Member
Dr. Yogesh Nerkar	Member
Prof. Ashpana Shiralkar	Member
Dr. P.K.Sinha	Member
Dr. Avinash Joshi	Member
Dr. Bharat Chaudhary	Member
Dr. Vijay Bhatkar	Permanent Member
Mr. D.M.Tagare	Permanent Member
Mr. Nilesh Deshmukh	Webmaster
Mr. Abhijit Khurape	Webmaster

12 Execom meetings were held in the year 2020 and were well attended by the members. Each meeting had its own agenda, and served the purpose of section growth in various ways. Minutes of the meetings were shared with members for approval. AGM of the section was held on 10 Jan 2021. Below are the details of them.

- **Annual General Meeting**

Meeting Number	Meeting Date and Time	Venue	No. of Members attended	Key discussion points
1	Annual General Meeting, Sunday, 10 January 2021 4 PM -06 PM	WebEx Virtual Platform	61	Presentation of the activities conducted in the year 2020, Achievements of 2020 Awards announcement, Office bearers 2021 announcement by Nomination committee, Future activities planning

• **Executive Committee Members Meeting**

Meeting Number	Meeting Date and Time	Venue	No. of Members attended	Key discussion points
1	1/2/2020 (Saturday) 6 pm – 7.15 pm	Conference Hall, 1310, Building No. 1, Department of E&TC Engg. VIT Pune	14	<ol style="list-style-type: none"> 1. Finalization of execom members, committee chairs 2. Report from SIG on affordable agriculture 3. The meeting regarding IEEE PuneCon 2020 held on 1st Feb, 2020. The planning regarding this was presented in the meeting by Dr. Shripad Bhatlawande, VIT, Pune. 4. Update from Society Chapter Chairs and Student activities committee
2	7/3/2020 (Saturday)	Conference Hall (C-101), Ground Floor, HR-4 Guest House, IISER Pune Campus Dr. Homi Bhabha Road, Pashan, Pune 411008, India	13	<p>Welcome of new execom members in the meeting</p> <p>Report from SIG on affordable agriculture</p> <p>Update on IEEE Foundation Project</p> <p>Update from society chapter Chairs</p> <p>Report conferences - Industry 4.0 conference (VIT Pune), ESCI 2020 conference (AISSMS IoT), IEEE PuneCon 2020, IEST 2020 (JSPM Tathwade), IConSIP 2020 (CoEP), Smart IoE (MIT ADT)</p> <p>IEEE Pune Section activities presented to IISER professor.</p>
3	12/4/2020 (Sunday)	Virtual meeting Through webex	18	<p>strategic plan 2020-2025 of IEEE Pune Section</p> <p>Update on IEEE Foundation Project from Mr. Jagdish Choudhari</p> <p>Execom approved the proposal tabled by him for TCS to create an Abstract Book based on Shashwat Sheti in English with required support from IEEE Pune Section.</p> <p>Update from Society Chapter Chairs and Student activities committee</p> <p>Discussion on CSIS 2020</p>
4	09/05/2020 (Saturday)	Virtual meeting through webex	12	<p>Update on World Telecommunication Day & Information Society Day- [17th May, 2020 @6.30 pm] (Theme, Speaker, Online Platform)</p> <p>Preparing IEEE Conference guidelines to maintain the quality of papers</p> <p>How the Section should operate and make a difference during and post COVID-19 situation</p> <p>Section Initiatives (Webinars, Online sessions, contest (AI-ML Programming Contest etc.)</p> <p>Covid-19 Resources From IEEE</p>

5	27/06/2020 (Saturday) 7.15 pm	Virtual meeting Through webex	15	Project “Blockchain Using Hyperledger Sawtooth to Combat COVID-19” (20-COV-47) Funding amount US \$2,187.20 proposal “UV Based Disinfection Machine ” (20-COV-49) in response to the IEEE HAC & SIGHT Special Call funding in the amount of US \$4,418
6	08/08/2020 (Saturday) 5 to 6.30 pm	Virtual meeting through webex	17	IEEE Region 10 sections congress virtually for 2020, Face to Face 2023 - Shri Pralhad P Chhabria Award - WIE Returning mother conference Policy for funding National and International Travels for Section Volunteers, Draft version for discussion IEEE PuneCon 2020 Conference Budget approval
7	12/09/2020 (Saturday) 5 to 6.30 pm	Virtual meeting Through webex	19	Presentation about Pune Section student congress by SAC Chair and students. Expression of Interest for hosting Region 10 Flagship Conferences 25 different companies approached for industrial ieee membership.
8	10/10/2020 (Saturday) 5.30 to 7 pm	Virtual meeting through webex	18	Decision, planning of IEEE PuneCon-2021 Report on conference leadership program organized on 6 th and 7 th Oct, 20
9	28/11/2020 (Saturday) 6 pm – 7.20 pm	Virtual meeting through webex	15	Condolences on the sad demise of Padma Bhushan Dr. F.C.Kohli, Call for nominations, Annual General Meeting 2021
10	17/12/2020 (Thursday) 7 pm – 7.45 pm	Virtual meeting through webex	15	Updates of IEEE Foundation Project, Update from conference committee, Update of IEEE Eu-Reka 2020, Report of Chairman nomination Committee 2020
11	20/12/2020 (Sunday)	Virtual meeting through webex	14	Announcement of Slate by Nominations Committee
12	10/01/2021	Virtual meeting through webex	18	Awards approval for awards announcement

- **Section Highlights –**

Formed in the year 2010, IEEE Pune Section has a membership of about 1033 members (up to December). The section comprises of five Professional chapters (Computer, Communications, Education, Signal Processing, PES/IAS). There are about 25 Student Branches in different Engineering Colleges of Pune. There are two affinity groups WIE and Young Professionals. The section has special activity groups to manage student activities, conference sponsorship requests, industry relations, membership development, and website and newsletter activities. The section has special interest group (SIG) on affordable agriculture and SIG on healthcare. The section has separate award committee. This year awards committee constituted research innovation award for academic and industry person.

Section has SIGHT group. Section WIE AG was instrumental in launch of Late shri P P Chhabria awards. The awards were instituted by Hope foundation in association with IEEE IC and WIE AG Pune section.

This year section organized Pune Section Student, Young Professionals, Women in Engg. Congress (15 Sept -20 Sept, 2020) IEEE Computer Society India Symposium -2020. IEEE Pune Section established Affordable agriculture technology lab in ten partner institute.

Section communicates with its members through E-mails, E-notices and through regular updates on the section website: <https://ieeepunesection.org/> and monthly reports. The sections also have published newsletters and are available on the section website.

A.2 Financial Report

- Summary (as per submitted on NetSuite)

Opening Balance as on	Closing Balance as on
1 Jan 2020 (INR)	31 Dec 2020(INR)
1564820.47	2245980.55
15.64 Lakhs	22.45 Lakhs

- Any other financial activities

Major headings for fund utilization 2020

Technical, Non-Technical & Administrative meetings

Student Branch support

Distinguished Lecture Series

Chapter & Affinity Group support

Branding

Recognition Supplies (Banners, plaques, pins, certificates,)

Branding –Website and Newsletters

Special Activities

Special Interest group in Affordable Agriculture, COVID19 Project Funds 2020, Pune Section student congress, IEEE CSIS, WIE Symposium, Eureka2020, PUNECON2020

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.

IEEE Grade Description	2018	2019	2020
Associate member	14	17	10
Graduate student member	96	89	66
Life Member	1	2	3
Life senior	3	2	2
Member	372	370	325
Senior Member	53	61	69
Student Member	873	1247	554
Affiliate	14	5	4
Total	1412	1793	1033

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

The section has received incentive grant from Region 10. Though the pandemic has brought a stand still stop to many of our physical activities, the section has been overwhelmed by the enthusiasm of volunteers and have hosted a large number of online activities.

- Professional and community Development-
 - Special Interest Group of Affordable Agriculture.
 - Society Chapter activities
- Student Activities
 - Eureka 2020 student activity
 - Pune Section Student, Young Professionals, Women in Engg. Congress
 - IEEE Computer Society India Symposium
- Affinity Groups
 - WIE Symposium in the month of November 2020.

B.2 Chapter Activities

- Total number of Chapters in the Section – 5 (Five)
 1. Computer Society Chapter
 2. Communication Society Chapter
 3. Education Society Chapter
 4. Joint Chapter PES/IAS
 5. Signal Processing Society Chapter
- Number of Chapters formed in the current year – SIGHT group of IEEE Pune Sections formed. Initiatives taken to form TEMS group.
- Number of active Chapters (Chapters who have reported required number of meetings during the year) - 5
- Summary of Chapter activities (Chapter wise with attachment table/information)

Chapter name	Activities
IEEE Computer Society Pune Chapter	<ul style="list-style-type: none"> • AI ML Programming Contest on 29-30 April, 2020 • Webinar on AI on 21 May, 2020 • Computer Networks and Information Security Bootcamp from 03 June, 2020 to 13 June, 2020 • Webinar on "Technical challenges in developing a scalable, secure & credible online examination solution" on 18 June, 2020 • Technical challenges in online examination solution on 18 June • Computer Society India Symposium 2020 (CSIS 2020) on 31st October and 1st November, 2020 • Talk on Emergence of new age supercomputing platform, applications, and domains on 28 November, 2020

Chapter name	Activities
IEEE Communication Society Chapter	VDL on "5G Networks and Applications – IEEE Future Network Perspective" by Dr.Ashutosh Dutta 17/05/2020 @06:30 pm VDL on "IOT in e-HEALTH: From Wearables to Diagnostic Systems" by Dr. Sudip Misra

	<p>14/10/2020 @ 3 pm</p> <p>VDL on “Wireless Systems Design in the Beyond 5G Era: Promises of Deep Learning and Deep Reinforcement Learning” by Dr. Ekram Hossain 09/11/2020 @ 09:30 pm</p>
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Chapter name	Activities
IEEE Education Society Chapter	<p>Getting Real with VRAR, 13 February 2020, Shri. Purshottam Darshankar, Chief Architect, Research, Persistent India</p> <p>Create a favorable ecosystem to nurture innovation for the benefit of the farming community, 11th March 2020, Er. Girish Khilari, CTO & Director at Elliot Systems, Chairman at IEEE Pune Section</p> <p>Role of IEEE Xplore in your Career, 17 May, 2020, Dhanu Pattanashetti Client Services Manager at IEEE</p> <p>Electronics and Communication Engineering - Emerging Technologies, 07 May 2020, Mr. Girish Khilari - CTO & Director at Elliot Systems, Chairman, IEEE Pune, Mr. Makarand Kale - Regional Business Director - India, Neoway Technology, Prof. Dr. Virendra Shete, Vice Principal and HOD ECE, MITSOE</p> <p>Opportunities for E & C Engineers in Telecom Sector / Industry, 17 May 2020, Mr. Jay Kumar Thorat - G. M. Sales and Marketing, BSNL, Pune, Mr. Hemant Borale - Director Compliance, DoT, Mumbai, Mr. Nilesh Wankhede - Principal, RTTC, BSNL, Pune, Prof. Dr. Rageshree Raut - Associate Dean, Government CoE, Nagpur, Prof. Dr. Virendra Shete - Vice Principal and HOD ECE, MITSOE</p> <p>Understanding Language for BUILDING TRULY INTELLIGENT SYSTEM, 22 May 2020, Shri. Girish Keshav Palshikar - Principal Scientist, TCS Research and Innovation, Tata Consultancy and Innovation, Tata Consultancy Services Limited, Dr. Virendra Shete Vice Principal and HOD ECE, MITSOE</p> <p>"Sustainable Development Goals (SDGs) -Post-COVID19: Universities can be Game-Changers", 04 June 2020, "Dr.Rajendra Shende, Chairman of TERRE Policy Centre, Former Director-UNEP, IIT Bombay Alumni" Prof. Dr. Mangesh Karad Executive President, MIT-ADT University, Pune, India</p> <p>Importance of DATA GOVERNANCE in the Digital ECONOMY, 29 May 2020, Mr.Ajay Vaidya – Principal Consultant and Head Information Management, Tata Consultancy Services,</p> <p>Scope of AI Systems in Corona Pandemic, 11 June 2020,</p>

Dr. Arun Jamkar – Director, PG Programme, Research and Development, MIT Group of Medical Colleges, Pune, Director Academics ,
Galaxy Care Hospitals, Pune

Technology Leverage for Affordable Agriculture, 03 June 2020, Mr. Jagadish Chaudhary Head Special Initiatives , Vice Chairman, IEEE Pune Section

Business Intelligence & Data Analytics (BI & DA), 12th June 2020, Mr. Sushil Shinde Data Enthusiast & Director | Credenca Data Solutions Pvt. Ltd.

COVID 19 Data: An Opportunity to Learn Lessons of DATA SCIENCE,
15 June 2020, Dr. Neha Sharma Tata Consultancy Services, India,

SWARN INTELLIGENCE, 20 June 2020, Prof. Dr. G.S. Mani Former Chair, IEEE Pune Section, Former Dean and Director DIAT, DRDO Pune, India

Changing Paradigms in Higher Education: Possibilities and Challenges,
23 June 2020, K Kasturirangan, Former Chairman, ISRO, Chairman, Committee for National Education Policy, Prof. Dr. Mangesh Karad Executive President, MIT-ADT University, Pune, India

Webinar on Machine Learning, 6th to 8th July 2020,
Ms B Prabha, M.E, Assistant Professor/IT Loyola- ICAM College of Eng. & Tech Chennai – 34

Ekam Mind Mapping over the years, 5 December 2020, Dr. Rupali Karwa Choudgary, Foundar and Director, Samyak Mentsl Health Care De-addictiob and-Rehabilitation Centre, Dr, Dnyanraj Choudgary, Co-Foundar and Director, Samyak Mentsl Health Care De-addictiob and-Rehabilitation Centre

Ekam-History and Science of Beauty Care (Solah Shrungar) 3 October 2020 Dr. Leena Khandekar, Founder and Director, Lee’s Beauty Center and Spa

Ekam Kids Presents Bonding Through Art and Science: Guldasta.
21 November 2020, for the kids, of the kids and by the Kids, (below 16 years kids performance)

Ekam Science, History, and art of flute-Venu Parichay, 5 September, 2020, Dr. Ashok Gaikwad, Director Nice Aesthetic Center, Pune

Chapter name	Activities
IEEE PES/IAS	PUNE AUTO EXPO IEEE DLP, Workshops, Webinars, Panel discussions, 3 Faculty Development Program 13 Programs were dedicatedly organized for Industry, practicing Engineers Overall Beneficiary - Industry, consultants, private practitioners, UG , PG and Research Scholars, academia. Technical coverage was related to Exclusively Power and Energy domain, Artificial Intelligence, Smart Grid, IOT, Data Analytics in Power Grid ,digital interventions in core Electrical Engg and IEEE standards for Smart Grid, Renewable Integration , Electric Vehicle and Energy Storage, Electrical Safety, Awareness on tariff

Chapter name	Activities
Signal Processing	“Distinguished Lecture” By Prof. Janusz Konrad, 14 Jan 2020. Workshop on “Artificial Intelligence and Machine Learning” 24-25 Jan 2020. Industry expert session on ‘Augmented Reality and Virtual Reality’, 27 Feb 2020. Faculty Development Program on ‘eSim’, 05-10 May 2020. Expert lecture on Signal Processing based on Time-Frequency Domain by Dr. Ram Bilas Pachori , IIT, Indore on 14 July, 2020. Webinar on “Applications of Signal Processing to Speech Processing” 24 Sep 2020. Faculty Development Program on ‘Data Science and Artificial Intelligence’ 7 -11 Nov 2020.

Student branch activities

Sr No	Activity Name	Date and Time	Venue	No of participants	Description
1	seminar on “Road to Master's”	03 Jan 2020 04:00 PM to 06:00 PM	PICT IEEE Student Branch	50	seminar guided on the difficulties faced during placements and GRE. It helped in guiding on “when to start preparing for GRE” and how to do it and finding the “most suitable internships” for yourself. The seminar helped in explaining things like Statement of Purpose, Letter of recommendations.
2	Tech Charades	15 Jan 2020 10:30 AM End time: 17 Jan 2020 04:30 PM	AISSMS IoIT	25	In Tech Charades, each team was given a paper with activity written on it. One participant from each team was asked to enact while the other team member was supposed to guess. Participants were given one minute for the enactment. The participants were then judged by the Judges based on the standard parameters.
3	PISB Registration	17 Jan 2020 03:00 PM End time: 20 Jan 2020	PICT IEEE Student Branch	40	The PICT IEEE Student Branch begun their registration drive with full swing from 16th January, 2020 alongside the annual

	Drive Phase 1	04:00 PM			technical fest - Credenz Tech Dayz. It focuses on publicising IEEE to the First year students. We explain to the students what PISB is and the benefits of joining it. We offer discounts on event registrations to IEEE members.
4	Web-Champ	20 Jan 2020 10:00 AM End time: 22 Jan 2020 03:00 PM	AISSMS IoIT	12	In Web-Champ, there were 3 Rounds. The 1 st Round was a MCQ round, while the 2 nd round was designing a webpage with the Problem Statement provided, and the 3 rd round was evaluating the participants on the basis of creativity of their webpage using CSS.
5	Expert Seminar on "Lightening Protection as per IEC/IS 62305"	20 Jan 2020 10:35 AM End time: 23 Jan 2020 10:35 AM	Bharati Vidyapeeth, CoE Student Branch	35	An Expert Seminar on "Lightening Protection as per IEC/IS 62305" to create awareness of good practices among electrical engineering and other engineering professionals and help the Industry by producing reliable, safe and cost-effective electrical designs.
6	Industrial visit to BSNL Exchange	23 Jan 2020 Time: 09:00 AM to 05:00 PM	Dr D Y Patil Inst of Eng, Mgmt and Research	55	The objective of visit is to aware about the actual working of BSNL Exchange Office and transmission of calls
7	Expert session on Project Management :	23 Jan 2020 Time: 02:00 PM to 04:00 PM	Symbiosis Inst of Computer Studies & Research	16	The session was for the student branch members and students of Entrepreneurship class.
8	Smart India Hackathon Competition	31 Jan 2020 Time: 09:00 AM to 05:00 PM	Dr D Y Patil Inst of Eng, Mgmt and Research	99	Smart India Hackathon competition held at DYPIEMR on 31st Jan, 2020. 45 groups presented their idea in front of judges. Out of these 45 groups 7 were selected for next level competition.
9	Role of control systems in robotics	03 Feb 2020 Time: 09:00 AM to 10:30 AM	All India Shri Shivaji Mem Soc Inst of Info Tech	50	Role of control systems in robotics
10	Design Thinking Workshop : Pimpri Chinchwad College Of Engineering	07 Feb 2020 Time: 10:00 AM to 02:00 PM	Pimpri Chinchwad College Of Engineering	110	Workshop was conducted to spread awareness about Design thinking and how it is usefull in our day today life and overall development.
11	PISB Registration	10 Feb 2020 03:00 PM	PICT IEEE	40	The PICT IEEE Student Branch begun their registration drive

	Drive Phase 2 : Pune Inst of Computer Tech	End time: 14 Feb 2020 05:00 PM	Student Branch		with full swing from 16th January, 2020 alongside the annual technical fest - Credenz Tech Dayz. It focuses on publicising IEEE to the First year students. We explain to the students what PISB is and the benefits of joining it. We offer discounts on event registrations to IEEE members.
12	Commercialization of quantum computing usage on mass scale :	11 Feb 2020 10:10 AM End time: 12 Feb 2020 04:10 PM	All India Shri Shivaji Mem Soc Inst of Info Tech	50	Quantum computing has been slowly approaching the commercial sector of IT for about a decade now, with each new generation of quantum-bit (qubit) computers showing more promise in solving actual problems, the kind of problems people pay money to solve.
13	Seminar on Competitive coding : Pune Inst of Computer Tech	11 Feb 2020 Time: 04:00 PM to 06:00 PM	PICT IEEE Student Branch	150	A seminar on Competitive Coding was conducted by Abizer Lokhandwala who is currently a software development engineer at CodeNation and Toshali Agrawal who's pursuing his bachelor's in PICT. A basic introduction to Competitive Coding and its applications were explained to Students from all years in PICT. The number of people attended the seminar was around 150.
14	Software Development in Cloud ERA :	2 Feb 2020 Time: 01:00 PM to 02:00 PM	Pune Inst of Computer Tech,C16/COM19	52	The seminar was all about the products in company specifically in Microsoft, risks incurred and need of proper software development as well as role of software testing in company. The seminar concluded with questions and answers
15	Two Days Workshop on "Electrical Vehicles, Career Opportunities" : Jayawantrao Sawant College of Engineering	14 Feb 2020 10:45 AM End time: 15 Feb 2020 03:30 PM	Jayawantrao Sawant College of Engineering	60	JSCOIE IEEE student branch organising Two Days Workshop on "Electrical Vehicles, Career Opportunities" in Association with Entrepreneurship Development Cell, JSCOIE On 14 th and 15 th February 2020 in JSPM Hadapsar campus.
16	ROBO-TRICKS :	17 Feb 2020 10:00 AM End time: 18 Feb 2020 04:30 PM	All India Shri Shivaji Mem Soc Inst of Info Tech	129	robo-tricks is a track event. the teams competing have to complete the track, clearing all the obstacles. the width of the track is 50cm. the winner is decided on the basis of points which they will earn by completing rounds.
17	Edge computing- Advancement and research opportunities	17 Feb 2020 Time: 10:38 AM to 05:38 PM	All India Shri Shivaji Mem Soc Inst of Info Tech	53	Edge computing is a distributed computing paradigm which brings computation and data storage closer to the location where it is needed, to improve response times and save bandwidth are discussed in this workshop.
18	PROJECT PRESENTATION All India Shri Shivaji Mem Soc Inst of Info	17 Feb 2020 Time: 11:00 AM to 04:30 PM	All India Shri Shivaji Mem Soc Inst of Info Tech	80	Participant explained their project with the help of a powerpoint presentation.

	Techi				
19	IBM VISIT 2 :	17 Feb 2020 Time: 12:01 PM to 06:41 PM	Pimpri Chinchwad College Of Engineering	53	The visit was very well organized by Ms. Ankitha IBM Team member.
20	Seminar on Machine Learning :	17 Feb 2020 Time: 04:00 PM to 06:00 PM	Pune Inst of Computer Tech	50	In a collaboration with Machine Learning India, PISB organised a seminar on 17th February, 2020 on Applied Machine Learning hosted by Ms. Priyanka Kasture, the founder. MLIndia is a thriving community of over 1,00,000 machine learning enthusiasts from all over India. This seminar introduced the basics of machine learning and the various industry-based applications of it.
21	GAME OF CIRCUITS	18 Feb 2020 11:30 AM End time: 19 Feb 2020 03:00 PM	All India Shri Shivaji Mem Soc Inst of Info Techi	169	game of circuits is divided into two rounds, the first round is a technical aptitude test in which there will be mcqs, and the second round will be circuit debugging in which the participants have to debug the given circuits, faulty circuits will be given, the participants have to fix the bug in the circuit in minimum time.
22	Paper Presentation	19 Feb 2020 Time: 10:00 AM to 05:00 PM	All India Shri Shivaji Mem Soc Inst of Info Techi	34	The participants were asked to e-mail their paper to our email address in the IEEE paper format. And the participants were asked to explain their paper with help of a powerpoint presentation, and they were given approximately 8-10 minutes followed by a Q&A round of 2 minutes on the day of event.
23	LINE TRACER	19 Feb 2020 Time: 10:00 AM to 05:00 PM	: All India Shri Shivaji Mem Soc Inst of Info Techi	58	two rounds. in the first round all robots completing the track within the specified time limit(3 mins) will qualify for the next round. in the second round robots are expected to solve the maze while clearing checkpoints in minimum time. width of the track will be 30cms. the track comprises of cuts, curves, turns.
24	WORKSHOP ON ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING : Jspm'S Rajarshi Sharu College of Eng	21 Feb 2020 10:00 AM End time: 22 Feb 2020 12:00 PM	JSPM's RSCOE	55	IEEE workshop was held in Jspm's Rajarshi Shahu College Of Engineering on 21st and 22nd of February 2020. IEEE student chapter of E&TC department organized this workshop for SE and TE students. Vaishnavi Salgarkar anchored the program starting with a Sanskrit phase. Followed by Dhanashri Patil with Saraswati Vandan ; making a spiritual positive environment.
25	National Computing Contest Wildcard :	22 Feb 2020 Time: 09:00 PM to 11:00 PM	Pune Inst of Computer Tech	445	PICT IEEE Student Branch was delighted to announce NCC Wildcard - an online contest held on CodeChef on 22nd February. NCC is a C/C++ coding competition that can be played not only by skilled coders but also by beginners, who wish to find a footing

					in competitive coding. The National computing contest took over different countries bringing in minds from Russia, Ukraine and even Argentina in 2 categories - for both seniors and juniors. An overwhelming response of students and technical enthusiasts took part in the coding contest.
26	Data Science Session :	06 Mar 2020 Time: 08:45 AM to 10:05 AM	Pimpri Chinchwad College Of Engineering	68	SE students were given with the basic details about role of data science, data analytics, history of data Science etc. Different case studies , test cases are demonstrated like Facebook, Amazon for the analytics related points such as optimization, redundancy removal, data cleaning. Job opportunities in data science as engineer, analyst, worker , scientist etc.
27	InQUIZitive	28 Feb 2020 Time: 05:00 PM to 07:30 PM	Pune Inst of Computer Tech	94	A platform to test different spheres of general knowledge, from world politics to trivia to history, a competition of wits, hosted during Credenz Tech Dayz. It was held on 28th February, for FE to BE students, each ready to outsmart one another whilst competing in 2 rounds on a wide range of topics: <ol style="list-style-type: none"> 1. Current affairs. 2. Mythology. 3. Women in Engineering. 4. AV round. 5. Olympics. 6. General trivia.
28	PYTHON PROGRAMMING WORKSHOP :	07 Mar 2020 09:30 AM End time: 08 Mar 2020 01:00 PM	Pimpri Chinchwad College Of Engineering	25	Python Programming Handson Workshop
29	Interaction with IISER professors :	07 Mar 2020 Time: 05:00 PM to 05:30 PM	Pune Section	07	The meeting was conducted with Dr. Pranay Goel, Professor at IISER for the following purposes The following points can be discussed with them

					<ol style="list-style-type: none"> 1. Research collaboration 2. Student branch establishment at IISER and activities support from IEEE Pune Section 3. Internship opportunities at IISER for IEEE Student members 4. Status of MoU already done for NMICPS Technology Innovation Lab 5. Involvement of IISER for student branch activities at section level.
30	PISB Registration Drive Phase 3 :	09 Mar 2020 03:00 PM End time: 12 Mar 2020 05:00 PM	Pune Inst of Computer Tech	40	The PICT IEEE Student Branch begun their registration drive with full swing from 16th January, 2020 alongside the annual technical fest - Credenz Tech Dayz. It focuses on publicising IEEE to the First year students. We explain to the students what PISB is and the benefits of joining it. We offer discounts on event registrations to IEEE members.
31	IEEE INTERNATIONAL CONFERENCE ON EMERGING SMART COMPUTING AND INFORMATICS	12 Mar 2020 10:00 AM End time: 14 Mar 2020 05:00 PM	AISSMS Institute of Information Technology Cosponsored by IEEE Pune Section	20	The conference mainly focussed toward the emerging techniques required for smart computing and informatics.
32	ESCI - Smart Computing Track	Date: 12 Mar 2020 Time: 10:30 AM to 05:00 PM	All India Shri Shivaji Mem Soc Inst of Info Tech	40	ESCI - Smart Computing Track
33	ESCI - Network and Communication Track	13 Mar 2020 Time: 10:30 AM to 5:00 PM	All India Shri Shivaji Mem Soc Inst of Info Tech	44	Network and Communication Track
34	Tutorial Session on Industrial Automation	13 Mar 2020 Time: 11:30 AM to 04:00 PM	All India Shri Shivaji Mem Soc Inst of Info Tech	55	Resource person explained about what actually industrial automation is all about and journey till Industry 4.0.
35	ESCI - Cyber Security Track	14 Mar 2020 Time: 10:00 AM to 03:30 PM	All India Shri Shivaji Mem Soc Inst of Info Tech	63	ESCI - Cyber Security Track
36	ESCI - IoT and	15 Mar 2020	All India Shri	74	ESCI - IoT and Automation Track

	Automation Track	Time: 10:30 AM to 05:00 PM	Shivaji Mem Soc Inst of Info Techi		
37	National Computing Contest	15 Mar 2020 Time: 07:00 PM to 09:00 PM	Pune Inst of Computer Tech	140	PICT IEEE Student Branch conducted the National Computing Contest (NCC) on 15th March. NCC is a platform where you can not only sharpen your problem solving ability but also showcase your programming skills. Students were set to code and compile while fighting the clock to stay ahead of time. Friends who had now turned into competitors and names only mattered on the leaderboard.
38	Artificial Intelligence in Health Care Sector	20 Mar 2020 08:20 PM End time: 22 Mar 2020 08:20 PM	All India Shri Shivaji Mem Soc Inst of Info Techi	50	Artificial intelligence (AI) in healthcare is the use of complex algorithms and software to emulate human cognition in the analysis of complicated medical data.
39	Data Structure and algorithms	01 Apr 2020 10:00 AM End time: 03 Apr 2020 04:03 PM	All India Shri Shivaji Mem Soc Inst of Info Techi	45	This is one of the important subject of computer and it students. Students didn't know how to use this algorithms in projects so they just learned this for examination. Under this workshop we are going to cover how-to implement this algorithms and data structures in projects.
40	Webinar on "How to start with ML using Python"	18 Apr 2020 Time: 04:00 PM to 05:30 PM	Pimpri Chinchwad College Of Engineering	29	ML with Python
41	One week webinar series on Advances in Electronics and Computer Technology	23 Apr 2020 12:30 PM	Jspm'S Rajarshi Sharu College of Eng	40	Mr. Atul Bengiri gave us excellent idea on IOT in data science and its oppurtunities in real world
42	Webinar on Applications of Machine Learning & Deep Learning	24 Apr 2020 12:40 PM	Jspm'S Rajarshi Sharu College of Eng	80	Mr Sudarshan Deshmukh, Founder and CEO of DeepIntuition.ai delivered webinar on Application Of Machine Learning and Deep Learning. He gave us immense knowledge on the future aspects of ML and DL in real world. All the students were greatly motivated by his words.
43	Webinar on Guidelines for project selection and practical implementation	24 Apr 2020 Time: 04:00 PM to 05:00 PM	Jspm'S Rajarshi Sharu College of Eng	80	Mr. Sandeep Shroff, CEO of AutoIntell Services delivered a webinar on Guidelines for project selection. He gave detailed idea on how to start with a project from the selection of the tittle to its end. It was very useful for all the students of third year and fourth year.
44	How to become an	25 Apr 2020	Jspm'S Rajarshi	80	Mr. Chittaranjan Mahajan, Director of Dolphin Labs delivered a

	Electronic Geek	Time: 11:20 AM to 12:20 PM	Sharu College of Eng		webinae on how to become an Electronic Geek. Sir has created an awareness on the Electronics components and its various projects. He suggested many books and magazines which is useful for the student to know more about electronics and telecommunication.
45	Webinar on "Computational Electromagnetic Techniques using Altair FEKO+ Win Prop"	25 Apr 2020 Time: 05:00 PM to 06:30 PM	Dr D Y Patil Inst of Eng, Mgmt and Research	107	Webinar arranged by IEEE student branch of DYPIEMR, Akurdi, Pune in association with Altair which covred following points: 1. Antenna designing 2. Base station antenna designing for 5G 3. RF planning with WinProp 4. Antenna - PCB coupling Analysis 5. Signal integrity analysis of PCB
46	Webinar on Design Thinking in the Age of Covid-19	06 May 2020 Time: 11:00 AM to 12:00 PM	Jspm'S Rajarshi Sharu College of Eng	1065	Dr. Ashok Korawar, Co-founder , School of Design Thinking was the speaker for the webinar. Dr. R.K.Jain Principal, Prof.A.S.Devasthali vice Principal Jspm's RSCOE , Amar Buchade from IEEE Pune section, Dr. B D. Jadhav HOD of E&TC department, Dr. Shailja Patil, IEEE counsellor and coordinator of webinar , Dr. S.A.Bhisikar faculty coordinator were present.
47	Optical Fiber Communication Career Opportunity in the age Covid-19	13 May 2020 Time: 10:00 AM to 12:00 PM	Jayawantrao Sawant College of Engineering	120	A Webinar on "Optical Fiber Communication –Career Oppnurtity in the age Covid-19" For Engineering Studnets
48	Online Programming Contest "Code like a girl"	15 May 2020 Time: 07:00 PM to 08:30 PM	Pimpri Chinchwad College Of Engineering	60	Online coding competion was conducted on Codeshef to enhance the students problem solving skills.
49	Webinar on "Quadcoptor Basics and Applications"	16 May 2020 Time: 05:00 PM to 05:40 PM	Dr D Y Patil Inst of Eng, Mgmt and Research	62	Webinar on "Quadcoptor Basics and Applications" organized by Robotic club and IEEE Students branch of DYPIEMR, E&TC department on 16 May 2020 at 5:00pm in association with Dolphin Labs, Pune. Students enjoyed the session and they got the basic knowledge of Quadcoptor & its applications
50	Webinar on "IEEEExplore	20 May 2020 Time: 10:00 AM to	Pimpri Chinchwad	133	The session highlighted on how IEEE Explore Digital Library can

	Boosting Every Aspect of your career"	12:00 PM	College Of Engineering		add value for students during their career How to use IEEE Explore Digital Library
51	Webinar on Industrial Robotics & Low cost automation solutions	20 May 2020 Time: 10:30 AM to 12:00 PM	Dr D Y Patil Inst of Eng, Mgmt and Research	71	Webinar on "Industrial Robotics & Low cost automation solutions" organized by Robotic club & IEEE Student branch of Electronics & Telecommunication department in association with PMS Robotics, Pune on 20/5/2020 at 10:30am.
52	WEBINAR ON AI	21 ST May 2020	Raisoni college of engineering and management	52	Ms. Vaishali Kulkarni, TATA Consultancy services, Principal Consultant
53	Inauguration of Student Branch Marathwada Mitra Mandal's College of Engg	23 May 2020 Time: 1 PM	Marathwada Mitra Mandal's College of Engg	112	Inauguration of Student Branch
54	Get-Set Hack.a.thon!	23 May 2020 Time: 04:00 PM to 05:15 PM	Marathwada Mitra Mandal's College of Engg	160	The event was conducted online, on 23 May,2020 at 4:00 P.M. to 5:00 P. M. through Microsoft Team meeting.Many participants including students, faculty and Industry persons were registered. The session was started by the introduction of Mr. Soham Dixit. He guided with focus mainly on the importance of hackathon and key points which one should remember while participating in the same. During session he had pointed some important things like what are the impacts of hackthon in our placements, Why this is important, How to proceed with using unique idea as well as skills required to participate in Hackathon.
55	•A National Level Poster Competition On Interdisciplinary Innovative •	24 May 2020 08:35 AM End time: 28 May 2020 08:35 PM	Jayawantrao Sawant College of Engineering	453	JSCOEE IEEE Student branch & IEEE Pune Section jointly organising a national event "A National Level Poster Competition On Interdisciplinary Innovative" scheduled on 28 th May 2020.
56	Data Structure Quiz All India Shri Shivaji Mem Soc Inst of Info Tech	30 May 2020 05:00 PM	All India Shri Shivaji Mem Soc Inst of Info Tech	278	Technical Quiz
57	CodeOVID Competition	25 May 2020 09:00 AM End time: 30 May	Dr D Y Patil Inst of Eng, Mgmt and Research	105	One week Code OVID Competition arranged for SE,TE and BE students of Engineering stream by Electronics and telecommunication department, DYPIEMR, Pune from

		2020 05:00 AM			25/05/2020 to 30/05/2020. Registration for the event ended on 24/05/2020 grabbing 35 teams registration
58	Online Quiz on "Industrial Automation"	19 June	All India Shri Shivaji Mem Soc Inst of Info Tech	604	Department of Instrumentation Engineering organized online quiz on "Industrial Automation" in association with IEEE Student Branch, AISSM's Institute of Information Technology. The Quiz was scheduled from 30/05/2020 to 02/06/2020.
59	Digital poster making competition on 1. Future of Education 2. Can Artificial Intelligence help in pandemic 3. Solutions for living with COVID-19 4. How lockdown affected Society	30 May 2020 01:30 PM End time: 03 Jun 2020 05:00 AM	All India Shri Shivaji Mem Soc Inst of Info Tech	63	Department of Computer Engineering organized "Digital Poster Competition" on various topics in association with IEEE Student Branch, AISSM's Institute of Information Technology.
60	Project Competition Projectron 2K20	05 Jun 2020 09:00 AM End time: 10 Jun 2020 07:00 PM	Dr D Y Patil Inst of Eng, Mgmt and Research	93	Project Competition was conducted for all TE and BE students on 05/06/2020 to 10/06/2020 in DYPIEMR (Online Platform) under IEEE activity. This program was conducted for all colleges. Total 93 entries were came. External college faculties were called for judging this events. 3 Winners were declared from TE and BE groups. Certificates were distributed to all the participants.
61	Guest lecture on tackling depression during a pandemic	29 Jun 2020 Time: 11:00 AM to 12:00 PM	Dr D Y Patil Inst of Eng, Mgmt and Research	151	IEEE student branch of DYPIEMR, Akurdi, Pune organised online session on tackling depression during a pandemic for faculties & students to help them in this pandemic situation of covid-19
62	Demostrar-2K20: Idea Presentation Competition	13 Jul 2020 09:00 AM End time: 18 Jul 2020 06:00 PM	Marathwada Mitra Mandal's College of Engg	80	A Idea Presentation Competition was organised consisting of 36 team having a maximum of 3 participants. It consisted of 3 rounds, in which the first two were elimination rounds.
63	Monthly meeting of IEEE student members	13 Jul 2020 Time: 02:30 PM to 03:10 PM	Dr D Y Patil Inst of Eng, Mgmt and Research	18	Monthly meeting conducted on zoom platform virtually for planning of next events under IEEE student branch & review of previous events.
64	Faculty Development Program on ONLINE SOCIAL NETWORK	20 Jul 2020 11:00 AM End time: 25 Jul 2020 05:00 PM	MIT Art, Design and Technology University	110	IEEE MIT Art, Design and Technology Student branch organized for Online FDP on Online Social networks in association with IEEE Computer Society from 20th July - 25th July 2020.
65	Webinar on Understanding language for Building	25 Jul 2020 Time: 11:30 AM to 01:00 PM	MIT Art, Design and Technology University	90	The Topic was based on the sustainability of farmers and use of various automated systems for increase in growth of supplies that are under agricultural sector.

	Truly Intelligent System				
66	Workshop Putting Science and Engineering in Practice using MATLAB	01 Aug 2020 04:00 PM	MIT Art, Design and Technology University	337	The topics covered were Introduction to MATLAB for Science and engineering, simulating the real world systems with MATLAB as well as Simulink, Applying machine learning in engineering and building intelligent machines with Deep learning.
67	Quantitative Ability Test	06 Aug 2020 10:00 AM End time: 08 Aug 2020 03:00 PM	: All India Shri Shivaji Mem Soc Inst of Info Tech	129	Test oragained for helping students to imporve their logical and basic mathematics skills which they will need in aptitude tests in placement drives.
68	Security in Distributed System	6 Aug, 2020	GH Raison College of Engineering, and management Pune IEEE Student Branch	54	Speaker: Dr. S.R.Sathe, Professor, Department fo Computer Science and Engineering, VNIT Nagpur
69	Effects on technology on employment	8 August, 2020 10 am	I2IT	54	Four panelists from different companies participated in the panel discussion
70	Interfaces in object oriented programming	4 August, 2020	GH Raison College of Engineering, and management Pune IEEE Student Branch	43	Speaker: Dr. V.B.Semwal, Assistant professor, NIT Bhopal
71	Webinar on Career Guidance	20 Aug 2020 Time: 10:30 AM to 12:00 PM	All India Shri Shivaji Mem Soc Inst of Info Tech	392	Ms.Amolika Bhonsle was the keynote speaker for this webinar. She is an alumna of 2014 batch. The webinar was filled with interesting experiences from her under-graduation and post-graduation years.
72	Webinar on Signal Processing Fundamentals for Digital Communication	26 Aug 2020 Time: 11:00 AM to 12:15 PM	Jspm'S Rajarshi Shahu College of Eng	86	Dr.G.R.Patil (Head of the E&TC department, Army Institute of Technology) have shared his immense knowledge on Digital Communication especially on Fundamentals of Signal Processing with all the students of TE, E&TC department
73	VADVIVAD-2020	29 Aug 2020 Time: 10:30 AM to 03:00 PM	Dr D Y Patil Inst of Eng, Mgmt and Research	56	IEEE student branch of Electronics & Telecommunication Engineering organized debate competition Vadvivad-2020 on 29th Aug, 2020. Event started with inauguration function

					followed by three rounds group debate, one versus one, all out. Total 18 groups were registered for this debate competition.
74	Technical Group Discussion	04 Sep 2020 02:00 PM	All India Shri Shivaji Mem Soc Inst of Info Tech	30	Technical Group Discussion was an event of INSTRON SOCIAL which was conducted by the Instrumentation department of our institute. With many participants, the event was successfully conducted.
75	Circuit Mania	04 Sep 2020 03:00 PM	All India Shri Shivaji Mem Soc Inst of Info Tech	45	Circuit Mania was an event of INSTRON SOCIAL which was conducted by the Instrumentation department of our institute. With 30+ participants, the event was successfully conducted by the technical team on Google forms & Microsoft Team.
76	Science , History and Art of Flute, Venu Parichay	05 Sep 2020 Time: 06:30 PM to 07:40 PM	MIT Art, Design and Technology University	70	Science of A flute as is a musical instrument that produces sound when a stream of air is directed against the edge of a hole, causing the air within the body of the instrument to vibrate, its history and advancement, modifications, quality control as an instrument and the artisitic point of view and knowledge of classical music were covered.
77	A Research webinar on the topic "Device Engineering Challenges for Nanoscale VLSI Circuits"	05 Sep 2020 Time: 11:00 AM to 01:00 PM	Jayawantrao Sawant College of Engineering	150	IEEE Student Branch of JSPM's Jayawantrao Sawant College of Engineering , Pune and IEEE Pune Section Jointly organized A Research webinar on the topic "Device Engineering Challenges for Nanoscale VLSI Circuits" on Saturday 5 th September 2020
78	Teacher's day celebration	07 Sep 2020 Time: 11:00 AM to 12:00 PM	Dr D Y Patil Inst of Eng, Mgmt and Research	74	IEEE student branch of Electronics & Telecommunication Engineering department of Dr. D. Y. Patil Institute of Engineering, Management & Research, Akurdi, Pune organized Teacher's day on 07/09/2020 at 11:00am on online platform. Students showed their skills of dancing, singing & made the day special for all faculties of E&TC department.
79	Engineer's day celebration	15 Sep 2020 Time: 10:30 AM to 01:30 PM	Dr D Y Patil Inst of Eng, Mgmt and Research	25	IEEE Student branch of E&TC department of DYPIEMR organized technical quiz competition "Quiztopher-2020" on occasion of Engineer's day on 15th Sept., 2020. Quiz conducted on kahoot in three rounds as general knowledge, aptitude, code electro. Winner & runner up awarded with cash prizes.
80	Affordable Agriculture Laboratory setup at MITADTU	09 Oct 2020 Time: 01:00 PM to 03:00 PM	MIT Art, Design and Technology University	50	Affordable Agriculture Laboratory from Special Interest Group for Affordable Agriculture (SIG AA) formed under IEEE Pune Section. It aligns well with IEEE's mission of "Advancing Technology for Humanity". SIG will work towards encouraging

					engineering students to take up Agri-tech projects. The objectives behind setting up this laboratory is to develop ecosystem for agriculture related solution development and to apply state of the art technological advancements in agriculture domain.
81	Webinar on Making Education Relevant.	19 Oct 2020 Time: 05:00 PM to 06:30 PM	MIT Art, Design and Technology University	60	The important changes made in the Higher Education sector through the introduction of NEP 2020 were discussed.
82	Applied Machine learning using Python	02 Oct 2020 04:00 PM	MIT Art, Design and Technology University	64	The workshop gave thorough knowledge about Machine learning data science, data analytics and implementations for different algorithms using PYTHON.
83	Advance in Artificial Intelligence, Machine Learning & Robotics	05 Sep 2020 Time: 04:00 PM to 06:00 PM	MIT Art, Design and Technology University	58	The webinar covered the advancement of Industry 4.0 with robotics, nanotechnology and Artificial Intelligence. A general introduction of Robotics was brought about by the Chief Guest and he highlighted many points on how robotics paved a way for nanotechnology and AI applications.
84	ROUNDTABLE	08 Oct 2020 11:00 AM End time: 10 Oct 2020 12:00 PM	Marathwada Mitra Mandal's College of Engg	247	A Series of 5 Webinar
85	Webinar On Create Your Success Story With Growth Mindset	25 Sep 2020 Time: 10:30 AM to 12:00 PM	All India Shri Shivajii Mem Society Col of Eng-Pune	130	Department of Electronics & Telecommunication, AISSMS College of Engineering, Pune in association with AISSMSCOE IEEE Students Branch organised a webinar on 'Create Your Success Story With Growth Mindset' by Guest Speaker Dr. Rupali Pawar (Founder, CEO TechieMindz , PhD E&TC) on 25th September 2020 at 10:30 AM on Zoom Meeting & YouTube Platform.
86	Engineer's day celebration	15 Sep 2020 Time: 10:30 AM to 01:30 PM	Dr D Y Patil Inst of Eng, Mgmt and Research	77	IEEE Student branch of E&TC department of DYPIEMR organized technical quiz competition "Quiztopher-2020" on occasion of Engineer's day on 15th Sept., 2020. Quiz conducted on kahoot in three rounds as general knowledge, aptitude, code electro. Winner & runner up awarded with cash prizes.
87	Webinar on making education	19 October, 2021	MIT ART, Design and Technology	35	

88	Webinars on -The How's from Student life to professional life	23 October, 2021	Pimpri Chinchwad College of Engineering	50	
89	Webinar on 'Resume Preparation'	28 October, 2021	AISSMSCOE IEEE Student Branch	55	
90	Sculpt Your Perspective And Colour Your Imagination	4 November, 2020	MMCoE	102	
91	Webinar on 'Introduction to Industrial IoT & It's Prospect	6 November 2020	AISSMS CoE	80	
92	Faculty Development Program on 'Data Science and Artificial Intelligence'	7 Novmeber, 2021	Sinhgad academy of engineering	55	

B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information

The section has received incentive grant from Region 10. Though the pandemic has brought a stand still stop to many of our physical activities, the section has been overwhelmed by the enthusiasm of volunteers and have hosted a large number of online activities.

- Professional and community Development-
 - Special Interest Group of Affordable Agriculture.
 - Workshops and E DLs
 - Society Chapter activities
- Student Activities
 - Eureka 2020 student activity will be partially supported from section incentives.
 - PSYWC utilized funds received as part of incentives and other activities.
 - IEEE Computer Society India Symposium
- Affinity Groups
 - WIE Symposium in the month of November 2020.
- Section is planning to strengthen its initiatives towards the studies, history and culture of the locality – From STEM to STEAM.
- Section is planning to utilize the amount towards membership development, awards and other branding activities in the remaining duration of the year.

SI No	Activity Name	Date and Time	Venue	No of participants	Brief Description
01	IEEE Signal processing society "Distinguished Lecture" By Prof. Janusz Konrad, US	14 Jan 2020 Time: 10:30 AM to 01:30 PM	AISSMS IOIT	70	The distinguished lecture was on the topic "Towards Autonomous Video Surveillance" in which Prof Konard covered a complete video surveillance processing chain, developed over years at Boston University, from low-level video analysis to summarization of dynamic events.
02	celebration of Program "□□□□□"	Tuesday, 21 st January 2020 around 12 PM	Raja Kelkar Museum		This event is supported by IEEE Pune Section
03	Workshop on Artificial Intelligence and Machine Learning •	24 Jan 2020 09:01 AM End time: 25 Jan 2020 05:01 PM	Pune Section Chapter, SP01	62	Workshop on "Artificial Intelligence and Machine Learning"
04	Current interruption in atmospheric air	29th January 2020 at 11.00 am	Signal Processing	50	Speaker, Dr. David Peelo Consultant and Former Switching Specialist at BC Hydro
05	Getting Real with VR /AR :	12 Feb 2020 Time: 01:00 PM to 2:00 PM	Pune Section Chapter, E25	23	IEEE Education Society in colloboaration with Pune managment Association and VRARA Pune Section conducted an interactive session

					on Virtual Reality and Augmented Reality.
06	Minutes of meeting of IEEE- SPS- Pune section chapter :	20 Feb 2020 Time: 03:30 PM to 05:00 PM	Pune Section Chapter, SP01	04	-
07	Industry expert session on Augmented Reality and Virtual Reality :	27 Feb 2020 Time: 03:00 PM to 05:00 PM	Pune Section Chapter, SP01	147	Augmented Reality and Virtual Reality Speaker: Dr Jaya Panwalkar Director, Nvidia .
08	Execom meeting	11 Mar 2020 Time: 05:30 PM to 06:15 PM	Pune Section Chapter, E25	05	First Execom Meeting of Education Society
09	Nurturing Innovation for farmers	Date: 11 Mar 2020 Time: 06:30 PM to 08:15 PM	Pune Section Chapter, E25 in association with Pune Management Association		Discussions about key elements to be prioritized for cost reducing solutions in farming . Main speaker was Mr Girish Khilari, CTO and Director, Elliot Systems
10	FREE Webinar on "The impact of IEEE Standards on Internet of Things" 8 April 2020 Live Webinar 11:30 AM IST : Pune Section	08 Apr 2020 12:30 PM	IEEE Pune Section	104	IEEE SA is at the forefront of developing standards for the Internet of Things (IoT) right from wired and wireless communication protocols, focused standards around each of the technology verticals (healthcare, mobility) including development of an architectural framework for the Internet of Things.
11	AI ML Online Programming Contest : Pune Section Chapter,C16	30 Apr 2020 05:00 PM	IEEE Computer Society	60	AI ML Online Programming Contest in association with TCS.
12	FREE Webinar on "Standardizing Blockchains" 27 April 2020 Live Webinar 3:00 PM IST : Pune Section	27 Apr 2020 Time: 03:00 PM to 04:00 PM	IEEE Pune Section	103	IEEE recognizes the vital role standards will play in the development and adoption of blockchain technologies. IEEE Standards Association (IEEE SA), a globally recognized standards-setting body within IEEE, has been actively pursuing blockchain standardization efforts through various activities in multiple industry sectors, including the launch of the world's first Advancing HealthTech for Humanity™ virtual blockchain

					workshop.
13	KVAh billing in Maharashtra from 1st April :	02 May 2020 Time: 03:30 PM to 06:00 PM	Pune Section Jt. Chapter, PE31/IA34	185	<p>1) This is very relevant to current change of tariff in Maharashtra from kWh billing to KVAh billing</p> <p>2) This was awareness to industry sector to be ready for this new tariff, with respect to understand importance of power factor and reactive power flow management, to save bill</p> <p>3) For students, this was content beyond the syllabus like Power Systems I and II, enabling knowledge of the latest update in tariff, knowing the basics in the subject.</p> <p>4) Opportunities of Self-employment in IOT and data analytics etc</p> <p>Beneficiary – Staff, UG-PG students, Professionals</p>
14	FDP on eSim :	05 May 2020 09:05 AM End time: 09 May 2020 05:30 PM	Pune Section Chapter, SP01	544	All India Shri Shivajii Memorial Society's Institute of Information Technology (AISSMS IOIT) , Pune has organized Five Days Faculty Development Program on "eSim" (free open source software for circuit design, simulation and PCB design) in association with IIT Bombay Spoken-Tutorial
15	FDP on Cyber Security	26 may to 29 may	AISSMS IoIT and IEEE Pune Section	372	Awareness, tools relevant to Cyber security presented
16	Webinar on Design Thinking in the Age of Covid-19	06 May 2020 Time: 11:00 AM to 12:00 PM	IEEE Pune Section	1065	Dr. Ashok Korawar, Co-founder , School of Design Thinking was the speaker for the webinar. Dr. R.K.Jain Principal, Prof.A.S.Devasthali vice Principal Jspm's RSCOE , Amar Buchade from IEEE Pune section, Dr. B D. Jadhav HOD of E&TC department, Dr. Shailja Patil, IEEE counsellor and coordinator of webinar , Dr. S.A.Bhisikar faculty coordinator were present.
17	Webinar on AI	21 May 2020	Pune Section	150	

		Time: 03:30 PM to 04:30 PM	Chapter,C16		
18	Execom Meeting	10 May 2020 Time: 06:30 PM to 08:00 PM	IEEE Communication Society	17	Meeting scheduled to discuss the planning of World Telecommunication and Information Society day i.e. WTISD 2020 celebration.
19	World Telecommunication and Information Society Day 2020	17 May 2020 Time: 06:30 PM to 07:30 PM	Pune Section, IEEE Communication Society	294	This was organized in association with professional bodies IET, IE and IETE
20	Webinar on webinar on "Role of IEEE Xplore in your Career"	17 May, 2020	IEEE Pune Section, IEEE Education Society	90	The session highlighted on how IEEE Xplore Digital Library can add value for students, faculty during his/her career.
21	Webinar on "Smart Grid Interoperability Standardization"	13 May 2020 Time: 11:30 AM to 12:30 PM	Pune Section	95	This was organized in association with IEEE India Office
22	IEEE Computer Society Pune Chapter Meeting	23 May 2020 Time: 07:00 PM to 09:30 PM	Pune Section Chapter,C16	8	IEEE Computer Society Pune Chapter Meeting
23	Execom Meeting	01 Jun 2020	Pune Section Chapter, COM19	6	Execom Meeting to plan Guest lecture on MIMO Antennas
24	Computer Networks and Information Security Bootcamp	03 Jun 2020 10:30 AM End time: 13 Jun 2020 05:00 PM	Pune Section Chapter,C16	110	National level bootcamp on "COMPUTER NETWORKS AND INFORMATION SECURITY.
25	SIGHT Group, PES-IAS Webinar	13 Jun 2020 Time: 06:30 PM to 07:30 PM	Pune Section	35	Research and Innovations to support sustainable development goals by Dr. Celia Shahnaz Ecosystem for innovations for farming community by Mr. Girish Khilari
26	Guest Lecture on MiMO Antennas	15 Jun 2020 Time: 10:30	Pune Section Chapter, COM19	55	There is a lot of development going on in Communication Systems.For each system antenna

		AM to 11:45 AM			is must for wireless applications. In tune with this, there is more research is going on MIMO antennas for better selectivity, diversity and directivity features.
27	Technical challenges in online examination solution	18 Jun 2020 Time: 01:00 PM to 03:00 PM	Pune Section Chapter, C16	50	Online examination system is critical to continuation of education in the emerging scenarios. Web-based examination system is where examinations are given online, either through the internet or intranet using computer system. This session deals with a talk on "Online Examination challenges" by Prof. Lalit Pawar, OSD, SPPU Pune, address on "Technical challenges in developing a scalable, secure & credible online examination solution and Complete Demo" by Mercer and Metfl company and Demonstration of the software solution.
28	Workshop on machine learning	6 to 8 July, 2020	IEEE Education Society, IEEE Pune Section	98	Speaker covered basics of machine learning, machine learning algorithms
29	Role of IoT in digital transformation- Connect academics with business case	Saturday, 11/07/2020	IEEE Computer Society Pune Chapter	54	Speaker : Bappaditya Debsingha IoT Product manager and entrepreneur.
30	Faculty Development Program on ONLINE SOCIAL NETWORK	20 Jul 2020 11:00 AM End time: 25 Jul 2020 05:00 PM	IEEE Computer Society and MIT Art, Design and Technology University	110	The aim of the FDP is to provide insights into recent trends in Online Social Network. The FDP will provide the participants an exposure to the opportunities in Online Social Network domain. This FDP will be very helpful for all levels of students (UG, PG as well as Research Scholar), Faculty members and Industry persons working in this area.
31	Execom Meeting	03 Sep 2020 Time: 06:30 PM to 07:45 PM	Pune Section Chapter, COM19	9	discuss and Plan Virtual Distinguished Lectures from the pool of Communication Society DLs availability

32	A Research webinar on the topic "Device Engineering Challenges for Nanoscale VLSI Circuits" •	05 Sep 2020 Time: 11:00 AM to 01:00 PM	IEEE Pune Section and Jayawantrao Sawant College of Engineering	150	IEEE Pune Section Jointly organized A Research webinar on the topic "Device Engineering Challenges for Nanoscale VLSI Circuits" on Saturday 5 th September 2020 and IEEE Student Branch of JSPM's Jayawantrao Sawant College of Engineering , Pune
33	Webinar on Applications of Signal Processing to Speech Processing •	24 Sep 2020 Time: 11:00 AM to 01:15 PM	Pune Section Chapter, SP01	50	Webinar on "Applications of Signal Processing to Speech Processing". Dr. Pawan K. Ajmera, Assistant Professor, Department of Electrical and Electronics Engineering, BITS Pilani
34	Eu-Reka Students Coordinators Committee	20 Oct 2020 Time: 07:30 PM to 08:30 PM	Pune Section Chapter, E25	04	Eu-Reka Students Coordinators Committee meeting
35	Ekam Coordinators Committee	20 Oct 2020 Time: 04:00 PM to 05:00 PM	Pune Section Chapter, E25	04	Ekam Coordinators Committee
36	Webinar on Making Education Relevant.	19 Oct 2020 Time: 05:00 PM to 06:30 PM	MIT Art, Design and Technology University	60	it is expected by many educationists and academicians that increase employment opportunities. The important changes made in the Higher Education sector through the introduction of NEP 2020 were discussed.
37	Eu-Reka Students Coordinator Committee	15 Oct 2020 Time: 07:45 PM to 08:30 PM	Pune Section Chapter, E25		Eu-Reka Students Coordinator Committee meeting for AICTE updates
38	Eu-Reka Students Coordinator Committee	13 Oct 2020 Time: 07:30 PM to 08:30 PM	Pune Section Chapter, E25		Eu-Reka 2020 Student committee meeting Eu-Reka-2020 Planning Meeting
39	Eu-Reka Students Coordinator Committee	12 Oct 2020 Time: 07:45 PM to 08:30 PM	Pune Section Chapter, E25		Eu-Reka National Coord Committee The said meeting was conducted as a planning and follow-up meeting of the EU-Reka 2020
40	14 October, 2020	IEEE Communication Society	IEEE Communication Society	73	Virtual Distinguished Lecture on " IOT IN E-HEALTH: FROM WEARABLES TO DIAGNOSTIC SYSTEMS "

					Distinguished Speaker Professor Sudip Misra
41	Webinar on Machine Learning	06 Jul 2020 11:00 AM End time: 08 Jul 2020 12:30 PM	Pune Section Chapter, E25	75	IEEE Pune Section in association with the Consortium of Technical Education conducted a "Webinar on Machine Learning" on 06/07/2020 to 08/07/2020. The Webinar is planned from 11:00 am to 12:30 pm (Time 01 Hr. 30 mins) on three consecutive days as per plan.
42	BUSINESS INTELLIGENCE & DATA ANALYTICS (BI & DA)	12 Jun 2020 Time: 07:30 PM to 08:30 PM	Pune Section Chapter, E25	100	Engineering and Management students, faculty, Experts in BI and DA, Researchers, Incubators and entrepreneurs in BI & DA, Trainers, L&D and HR Professionals, Businessmen, Technology Aspirants, Technical Professional, and inquisitive person in AI & DA.
43	Create a favorable ecosystem to nurture innovation for the benefit of the farming community	11 Mar 2020 Time: 06:30 PM to 08:05 PM	Pune Section Chapter, E25		Create a favorable ecosystem to nurture innovation for the benefit of the farming community
44	PSYWC - Disaster management by Mr. Kiran Deshpande	IEEE Pune Section	17 Sep 2020 Time: 01:30 PM to 02:30 PM		A session on the same was conducted in the IEEE Pune Section's flagship event – The PSYWC '20; by Mr. Kiran Deshpande.
45	PSYWC - Talk on ISRO By Mr. Puneet Mishra	17 Sep 2020 Time: 10:30 AM to 12:00 PM	IEEE Pune Section	122	The speaker for the session, Mr. Puneet Mishra is the current Head of Satellite Antenna and Characterization, Test and Design Section at the ISRO. The session was an interactive one. The speaker answered the questions raised by the attendees that touched each and every part of the ISRO.
46	PSYWC - Startup Ecosystem By Mr. Amit Paranjape	16 Sep 2020 Time: 01:00 PM to 03:30 PM	IEEE Pune Section	234	Initially, Mr Amit Paranjape told about his experience, and then continued with Pune startup ecosystem. He briefed about the startup history of Pune. He mentioned how in earlier stages, colleges in Pune acted as catalyst for startups, and how Pune became a manufacturing hub.
47	IEEE Conference leadership program	6, 7 October, 2020	IEEE Region 10	03	Section sponsored 3 members for attending the same
48	Introduction to digital labs	17th Oct 2020 (Saturday)	IEEE Computer Society	36	Speaker: Arjun Chakravarti, CEO - India, TrakLabs

		Time: 04:30 pm IST			
49	Expert talk on Know your IEEE and Eureka	29 th October, 2020 3 pm – 5pm	IEEE Education Society, IEEE Pune Section	112	Talk by Dr. Lance Fung about IEEE Educational activities and Prof. G.S.Mani for Eureka
50	IEEE Insights and professional development	30 th October, 2020 3 pm –4 pm	IEEE Pune Section	50	Talk by Mr. Jagdish Chaudhari, Vice Chair, IEEE Pune Section Dr. Surekha Deshmukh, Chair, IEEE PES/IAS

B.4 Students Activities

- Total number of Student Branches in the Section - 25
- Number of Student Branches formed in the current year 02
Marathwada Mitra Mandal's College of Engineering, Kothrud
AISSM'S College of Engineering, Shivajinagar
- Section level student activities (student congress, paper and other contests, awards etc)
Eureka 2020 student activity will be partially supported from section incentives.
PSYWC utilized funds received as part of incentives and other activities.
IEEE Computer Society India Symposium
Ideathon 20 supported by IEEE Pune Section
AI-ML Programming contest on 30 April
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year) – 14

- Summary of Student Branch activities(Student Branch wise with attachment table/information)

Sr. No.	Name of Branch	Major Activities
1	PICT	<ul style="list-style-type: none"> IDEATHON National Computing Contest
2	VIT	<ul style="list-style-type: none"> ZENITH Front-end Web Development Competition Tribune Fundraiser
3	AISSMS IOIT	<ul style="list-style-type: none"> Webinar on Positive Mental Health and Managing Stress Workshop on Design of solar system & cost analysis for AC &DC load
4	PCCOE	<ul style="list-style-type: none"> International webinar on How Blockchain Technology is transforming Traditional Agriculture National level Boot camp on “Fundamentals of Computer Networks and Security”
5	Modern CoE	<ul style="list-style-type: none"> Workshop on ‘Simulation in Proteus Software’ IEEE YP Talk : Interaction with SB
6	I2IT	<ul style="list-style-type: none"> Panel Discussion on Effects of Technology Advancements on Employability CodeX
7	MMCOE	<ul style="list-style-type: none"> Demostrar 2k20 Jacintha
8	JSCOE	<ul style="list-style-type: none"> A Research webinar on the topic "Device Engineering Challenges for Nanoscale VLSI Circuits A National Level Poster Competition on Interdisciplinary Innovative Ideas

B.5 Affinity Group Activities

- Young Professional (YP)

Sr No	Activity Name	Date and Time	Venue	No of participants	Description
1	IEEE Pune Section YP Affinity Group Meeting	09 Feb 2020 Time: 11:00 AM to 01:00 PM	Online	6	1st meeting of IEEE Pune Section YP Affinity Group for the year 2020
2	IEEE Pune Section YP Affinity Group	01 Mar 2020 Time: 11:30 AM to 01:00 PM	F2F Meeting : Pune Section Affinity Group, YP	6	F2F Meeting of all the Pune Section YP Members to plan & discuss the various initiatives undertaken by the YP group for 2020. This marked the 2nd Meeting for the year 2020.
3	Virtual IEEE Pune Section YP Meeting in Covid-19 situation	18 Apr 2020 Time: 08:00 PM to 09:30 PM	Pune Section Affinity Group, YP	6	plan about the various initiatives which could be taken up during the Covid-19 situation, as well as replan the various preplanned initiatives of the YP group for the year 2020.
4	Webinar : Deep Dive into Young Professionals Affinity Group : Pune Section Affinity Group, YP	26 Apr 2020 Time: 05:00 PM to 06:00 PM	Pune Section Affinity Group, YP	20	The Webinar provided a platform for Students to learn more about the YP membership & the benefits. The Webinar was organized by Mr. Eniyan, Ms. Purva & Mr. Dhiraj (from YP Pune Team). Bhaskar Mishra (YP Chair, Pune Section) was the speaker for the Webinar.
5	IEEE "YP Connect" Series - Program 1	01 May 2020 Time: 05:00 PM to 06:00 PM	Pune Section Affinity Group, YP	17	Points covered in the meeting where as follows: 1) Brief about YP and its Initiatives

					2) About IEEE YP CONNECT SERIES 3) Career guidance for all the attendees.
6	IEEE YP Connect Series - Program 2	09 May 2020 Time: 04:00 PM to 05:00 PM	: Pune Section Affinity Group, YP	13	Points covered in the meeting where as follows: 1) Brief about YP and its Initiatives 2) About IEEE YP CONNECT SERIES 3) Career guidance for all the attendees.
7	Virtual Pune Section - YP Team MEeting	09 Aug 2020 Time: 08:00 PM to 09:30 PM	Pune Section Affinity Group, YP	06	This was a general Pune Section YP Team Virtual Meeting.
8	Panel Discussion on "MBA in US" IEEE Pune Section Student YP WIE Congress 2020	19 Sep 2020 Time: 10:30 AM to 12:15 PM	Pune Section Affinity Group, YP	83	discussion was organized by the IEEE Pune Section YP AG on the Topic - "MBA in US" as part of the PSYWC 2020.Each of the panelists shared their experiences and journey about MBA in US. It was followed by QA session.Speakers : 1. Mr. Abhishek Mahna (Product Manager at ADP Innovation Lab, Emory University) 2. Mr. Sidharth Miishra (Product Manager at PhonePe, harward Business School) 3. ms Goldy Bhowmik (Product Manager, IoT -Kohler Power US, Indiana University, Kelly School og Business)
9	IEEE Benefits in Career	19 Sep 2020 Time: 12:15 PM to 12:45 PM	Pune Section Affinity Group, YP	53	In the YP Track of IEEE Pune Section Student YP WIE Congress 2020, a session on "IEEE Benefits in Career" was organized. Purva Ekatpure, Secretary of IEEE Pune Section YP AG shared her experiences & knowledge about how IEEE helps in career, as a Student & as a YP in professional life.
10	Panel Discussion on "MS in US" - IEEE Pune Section Student YP WIE Congress	20 Sep 2020 Time: 10:30 AM to 12:30 PM	Pune Section Affinity Group, YP	73	The Panel discussion was organized by the IEEE Pune Section YP AG on the Topic - "MS in US" as part of the PSYWC 2020.

	2020				Each of the panelists shared their experiences and journey about MS in US. It was followed by QA session.
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- Women In Engineering (WIE)

Sr No	Activity Name	Date and Time	Venue	No of participants	Description
1	WiE Conclave	23 November 2019	Tarawade Clarks Inn Hotel, Pune	08	The speakers at the round table meet up were Ms. Kranti Athalye, IBM; AparnaBadkundri, Dell EMC; Anita Kane, City Data Officer, Pune MNC; VaishaliPatil, I2IT.
2	Design Thinking Workshop: Pune Section Affinity Group, WIE	07 Feb 2020 Time: 10:00 AM to 02:00 PM	PCCoE	110	Workshop was conducted to spread awareness about Design thinking and how it is useful in our day today life and overall development.
3	IBM VISIT 2	17 Feb 2020 Time: 12:00 AM to 06:33 PM	: Pune Section Affinity Group, WIE	53	The visit was very well organized by Ms. Ankitha IBM Team member. The introductory session was given Mrs. Kranti Athlye (Sr. Manager) about the journey of IBM from 1814. Then Mr. Chincholkar discussed about Block chain and projects in that era. Mr Rinkesh Bansal delivered very interactive session on security and IBM smart solutions to protect our data. Then students visited IBM data centre and were able to see different functionalities of the data centre in person.
4	Webinar Meeting for Wie Planning of Year 2020	27 Feb 2020 Time: 08:00 PM to 09:00 PM	Pune Section Affinity Group, WIE	10	planning for year 2020 <ul style="list-style-type: none"> • Eminent Speaker Sessions • ILS Nagpur • Meeting with Avasara school(With celebration of womens day) • Returning Mother Conference • SS12 Competition • Nutrition Guide Program for women and girls • IBM Campus FDP • FDP at SICSR
5	Data Science Session :	06 Mar 2020 Time: 08:45 AM to 10:05 AM	Pimpri Chinchwad College Of	68	SE students were given with the basic details about role of data

			Engineering		<p>science, data analytics, history of data Science etc.</p> <p>Different case studies , test cases are demonstrated like Facebook, Amazon for the analytics related points such as optimization, redundancy removal, data cleaning.</p> <p>Job opportunities in data science as engineer, analyst, worker , scientist etc.</p>
6	PYTHON PROGRAMMING WORKSHOP :	07 Mar 2020 09:30 AM End time: 08 Mar 2020 01:00 PM	Pimpri Chinchwad College Of Engineering	25	Python Programming Handson Workshop
7	Mock Interviews of Girl Students	07 May 2020 Time: 11:00 AM to 01:13 PM	Pune Section Affinity Group, WIE	6	Interview were conducted to provide the experience.
8	Webinar on "Career opportunities in Data Science"	07 May 2020 Time: 03:00 PM to 04:30 PM	Pimpri Chinchwad College Of Engineering And Pune Section Affinity Group, WIE	163	interactive session was conducted on Career opportunities in Data Science. Got overwhelming response from all participants, 160+ attendees were there for the session. Attendees were from different colleges of Pune, Pandharpur, Nashik, Mumbai, and few were from other states as well like Karnataka.

B.6 Awards & Recognition Activities

- Award constituted by the Section
 - **Award I** - IEEE Pune Section Student Branch Counsellor of the Year
 - **Award II** - IEEE Pune Section Student Branch of the Year
 - **Award III** - IEEE Pune Section Student Chair of the Year
 - **Award IV** - IEEE Pune Section Student Member Volunteer
 - **Award V** - IEEE Pune Section Professional Member Volunteer
 - **Award VI** - IEEE Pune Section Emerging Student Branch
 - **Award VII** - IEEE Pune Section Best Chapter Award
 - **Award VIII** - IEEE Pune Section Industrial /Entrepreneur Person of the year Award
 - **Award IX** - IEEE Pune Section Inoovator/Resercher Person of the Year Award
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- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year

IEEE India Council Outstanding Volunteer Award – Dr. Surekha Deshmukh

IEEE India Council Outstanding student volunteer award – Ms. Aditi Khaire

IEEE Darrel Chong Student Acitivity Award – Gold for the activity Credenz National Technical Fest

Siddharth Saoji -Co SSR and Nishita Pali- Pune Section Website head for being a winner of Net-Hac contest at IEEE Region 10 Congress. And the prize is free

IEEE Membership worth 27\$

Dr. Rajashree Jain selected as a secretary at IEEE India Council

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

- Newsletter (name and number of issues in the year) – IEEE Pune Section Newsletter , Eight issues
Issue 1 - <https://ieeepunesection.org/wp-content/uploads/Newsletter-Vol9-Issue1-2020-1.pdf>
Issue 2 - <https://ieeepunesection.org/wp-content/uploads/final-quarterly-newsletter-April-June.pdf>
Issue 3 - https://ieeepunesection.org/wp-content/uploads/July_Newsletter_PDF.pdf
Issue 4 - <https://ieeepunesection.org/wp-content/uploads/August-Newsletter.pdf>
Issue 5 - <https://ieeepunesection.org/wp-content/uploads/Sept-2020-newsletter.pdf>
Issue 6- <https://ieeepunesection.org/wp-content/uploads/October-2020-Newsletter.pdf>
Issue 7 - <https://ieeepunesection.org/wp-content/uploads/November-2020-Newsletter.pdf>
Issue 8 - <https://ieeepunesection.org/wp-content/uploads/Dec-Newsletter.pdf>

- Home Page of the Section (give the URL and how often it is updated) : <https://ieeepunesection.org/>.
- Other means of contacts with Section members including social media linkedin handle, whatsapp, facebook social media group
Monthly activities are sent through e-notices per month.
Notices/event information send through e-notices.

B.8 Industry Relations

- Membership growth and retention - Meeting with industries and forums such as TCS, IBM, MCCIA etc.
- Partnership established with NGO like MANAVLOK and Swapanbhumi
- Activities for/with industrial members
- Created foundation for startups through Pune-Austin sister city initiatives.
- Created a platform for industry to participate in conference through PUNECON
- Engaged industry professionals for professional development, project mentoring and section volunteerism.
- Provided an opportunity for WIE to be engaged back after a career break.

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.

Sr No	Activity Name	Date and Time	Venue	No of participants	Description
1	Eureka 2020 Technology Dissemination Contest for Student With IEEE Region 10, IEEE India Council	Final schedule First week of Dec 2020	Activities in process Virtual	150	http://eurekapunesection.in/

- SIGHT Activities

Webinar on Research and Innovations to support sustainable development goals Speaker - Dr. Celia Shahnaz, Professor, Department of EEE, BUET, Dhaka, Bangladesh Title - Research and Innovations to support sustainable development goals

Eco system for innovations for farming community Speaker - Chair, IEEE Pune Section

Ideathon '20 - presenting the idea

Emergence of new age supercomputing:platform, applications and domains Speaker: Samrit Maity, Joint Director, CDAC

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”

Sl No	Activity Name	Date and Time	Venue	No of participants	Organizing and co-sponsoring entity	Short Description
1	IEEE Pune Section Annual General meeting, award ceremony, family oriented activities	10 January, 2020	Hotel deccan rendezvous	68	IEEE Pune Section	AGM, Award ceremony, Announcement of IEEE PuneCon 2020 organizer
2	Social Activity on SWACHA BHARAT ABIHYAN	11 Jan 2020 09:00 AM to 03:00 PM	Zilla Parishad Primary School, Kasarsai	25	JSPM's RSCoE Student Branch	awareness of cleanliness and visit to local school
3	Electrical Safety Week by Dept. of Electrical Engg.	14 Jan 2020 09:00 AM End time: 16 Jan 2020 03:00 PM	Blossom Public School and Sonigara Vihar Housing Society, Adarshanagar	250	JSPM's RSCoE Student Branch	to create awareness among college students
4	E-waste management (Social Activity)	04 Feb 2020 Time: 09:00 AM to 05:00 PM	Dr. D. Y. Patil Institute of Engineering, Management & Research	19	Dr. D. Y. Patil Institute of Engineering, Management & Research	E-waste Management program was conducted for all students & faculties on 04/02/2020

5	International Conference on Industry 4.0 Technology 2020 (I4Tech 2020)	13-15 Feb 2020	VIT Pune technically sponsored by IEEE Pune Section	100	VIT Pune	Dr. Ramanujan Kashi delivered the Keynote address and Dr Dhananjay Singh from South Korea gave a talk on Industry 4.0
6	interview for the post of Section Student Representative (SSR) and Co-SSR	25 th Feb, 2020	AISSMS IOIT, Pune	25	IEEE Pune Section	The Committee assessed a total of 25 and recommended Mr. Gourav Sonawane from AISSMS IOIT for the SSR role for 2020.
7	Pune Muncipal Corporation School Principals	26 February, 2020	<i>TCS Sahyadri Park</i>	35	IEEE Pune Section	The group brainstormed on structure of Shoonya program being implemented under Stem Initiative
8	Automotive Exhibitions – Pune Auto Expo	5 - 8 March 2020	<i>Creaticity, Yerwada, Pune</i>	120	IEEE PES/IAS Society	The focus was on “Technological Developments in Automotive Industry” .Theme of this year event was “Sustainable Electric Mobility for today and tomorrow”.
9	IEEE INTERNATIONAL CONFERENCE ON EMERGING SMART COMPUTING AND INFORMATICS	Start time: 12 Mar 2020 10:00 AM End time: 14 Mar 2020 05:00 PM	AISSMS Institute of Information Technology Cosponsored by IEEE Pune Section	20	The conference mainly focussed toward the emerging techniues required for smart computing and informatics.	
10	COVID MOVE Online Hackathon Challenge	17 th April, 2020 to 19 th April, 2020	Vitural		IEEE India Council and IEE E Pune Section	hackathon challenge to jointly develop some of the innovative solutions of unmet needs and problems due to outbreak of the COVID19 Pandemic.
11	IEEE PUNECON 2020	18 December to 20 December 2020	MIT CoE and IEEE Pune Section	120	Technical Conference	
12	COVID-19 awareness program(Social activity)	27 Apr 2020 04:00 PM End time:	Dr D Y Patil Inst of Eng, Mgmt and Research	380	Institute	IEEE student branch of Dr. D. Y. Patil Institute of Engineering, Management & Research, Akurdi, Pune had arranged social awareness

		30 Apr 2020 12:00 AM				campaign about COVID-19. In this quiz on COVID-19 made in google form and link forwarded to all. Whoever scored more than 60% falicitated by digital certificate
13	IEEE Day	6 october	All India Shri Shivaji Mem Soc Inst of Info Tech	40		Student Branch on the occasion of IEEE Day was looking to do something different. After a lot of different technical events throughout the year it was time for some community and social service events. This initiative was to make sure that the student members also develop the social service skills. After some meetings we came to conclusion that with the pandemic going on and all the social boundaries we wouldn't have the numbers to do it ourselves.
14	Research and Innovations to support sustainable development goals	13 June	IEEE Pune Section, IEEE Pune Section SIGHT Group	24	IEEE Pune Section	Speaker: Dr. Celia Shahnaz
15	Eco System for Innovations for Farming community	13 June	IEEE Pune Section, IEEE Pune Section SIGHT Group	24	IEEE	Speaker: Dr. Celia Shahnaz
16	Pune Section Young professionals Women in engineering Congress Talk on Utilities By Ms. Sudeshna Choudury	16 Sep 2020 Time: 10:00 AM to 12:00 PM	IEEE Pune Section Student Activities, WiE, Young affinity groups	222	IEEE	The speaker being Ms. Sudeshna Choudhury who is currently working as the Analytics and Insights Business Partner for Utilities in Tata Consultancy Services and has a career in Data and Analytics for the last 20 years.
17	PSYWC - Talk on Journey from IIT via IIM to IAS By Mr. RohanAgawane.	15 Sep 2020 Time: 01:00 PM to 03:00 PM	IEEE Pune Section Student Activities, WiE, Young affinity groups	401	IEEE	It was the second of the eight sessions arranged under Pune Section Students, Young Professionals and Women in Engineering Congress 2020.
18	PSYWC - Benefits of	15 Sep	IEEE Pune Section Student	267	IEEE	Mr. Dinanath Kholkar sir spoke on

	IEEE By Dinanath Kholkar	2020 Time: 10:00 AM to 12:00 PM	Activities, WiE, Young affinity groups			how IEEE can help and improve your professional career.
19	IEEE Computer Society India Symposium	31 October, 2020	IEEE Computer Society	125	IEEE Computer Society, IEEE Pune Section, PICT IEEE Student Branch Computer Society	Theme is Envision the future: Traversing through technologies of tomorrow The symposium comprises of informative seminars, intensive workshops, and various networking activities on a wide range of domains. It also aims at providing a platform for the participants to engage with eminent professionals, speakers, and experts of the nation while learning interactively.

PART C- OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved
 - 1. Formation of Special Interest Group (SIG) for Affordable Agriculture resulted in good momentum, culminated in funding from HAC and IEEE Foundation and resulted in completion of IEEE HAC project.
 - Pune Section Young professionals Women in engineering Congress
 - Efforts of signing up of MOU with Hope foundation, IEEE IC and WIE AG Pune resulted in Two awards for WIE for the next three years.

- Funding secured from the IEEE and external sources including sponsorships

IEEE Foundation for SIG AA Rs. 790300

COVID19 HAC Projects Rs. 485580

CSIS 2020 I India Symposium Rs. 25275

Section student congress / SPAX Rs. 68848

Section Incentive + Trident 19 Reimbursement	Rs. 316618
Membership Development Funds Received from R10	Rs. 25638

C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)

- Nature of relationship and details of any formal agreement signed
 - For SIG Affordable agriculture – MoU with Swapnabhumi and Manavlok.
 - Ten colleges, BHAU Institute, College of Agriculture and Two NGOs
 - Hope Foundation for the Late Shri Chhabria Awards
 - Technically sponsored conferences with institutes like AISSMS IoIT, VIT, JSPM Tathwade
 - Austin Pune Sister City MoU
 - Partnered with IE, IETE, and IET for World Telecom Day celebration
 - MoU with Pune Knowledge Cluster
- Details of joint activities
 - SIG AA projects running at partner locations
 - Late Shri Chhabria Awards-In association with Hope Foundation, IEEE IC and WIE AG, Pune section
 - Workshops , DL, Conference tracks are arranged for the stakeholders of SIGAA, Society chapters
 - IEEE Pune Section in association with Kelkar museum organized a programme on “Influence of Geography on Indian History”
- Benefit to IEEE members (for example discounts, access to technical information etc.)
 - Late shri Chhabrai awards are only for members of IEEE
 - Student branch members getting opportunity to work for SIGAA
- Benefit to Section(for example help in membership development, venue facilities, cost saving etc.)
 - All the above initiatives are helping sections’ brand building, capacity development, facility creation, cost saving of the initiatives proposed and membership retention.

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
 - National level WiE Symposium was held in association with IEEE IC , WIE SB and other WIE groups
 - Chhabria awards are in association with IEEE India Council
 - Members from Section participated in national and regional level activities.
 - Computer Society India Symposium with Computer society chapters
- Joint activities with any other Section
 - Student Branch related issues are discussed for resolving with Bombay section
 - Covid-19 related events in association with Hyderabad section

C.4 Support extended to Sub-sections & Society Chapters within the Section

- Support extended for organising technical, educational and professional activities
 - Student Branches within the reach of Pune, listed under other sections were still mentored, and supported.
 - WIE symposium and Chhabria Awards are joint efforts of chapters within section and IEEE India council
- Joint activities for membership development
 - Support to conferences by technical sponsorship
 - Collaboration for events with Kelkar Museum

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)

Collaboration with Industry, Community partners have resulted into a great momentum within section members.

- Formation of SIG on affordable agriculture, healthcare has opened up new areas for project proposal consideration
- Has created positive environment among the members
- Starting of section owned conference
- Setting up of awards in association with Hope foundation

Best practices

Rigor in Functioning

Well attended Execom meetings held every month

Event, Monthly & Quarterly reports published with consistency, well maintained website

Collaboration

Partnered with IE, IETE, and IET for World Telecom Day celebration

Participation in R10/India Council/Other section events

Focus on Identified Areas

Professional approach in internal working

IOT and Analytics for Smart City

Affordable Agriculture

NextGen Skill Building

Strengthening/revival of SBs

Healthcare

Community Support

Kelkar Museum's Digital initiative support from IEEE SBs

Energy Audits in various organizations including banks

C.6 Problems anticipated and suggestions for solutions, if any

Volunteer identification, training and retention – Funded project proposals, member elevation, support for award applications

Active Student branches- Incentives in terms of awards, projects, travel support etc.

Industry participation – specific award to strength the link with industry such as technologist of the year, women technologist of the year, tech start-up of the year

Membership renewal – membership drive, giving importance of membership value and benefits

Conference quality- strengthening peer review process, time for preparation

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans

- Replicate Affordable Agriculture labs in other engineering colleges, especially near Demo farms

D.2 Goals and Future Plans

- To form special interest groups that focus on skill development, entrepreneurship, small and marginal farmers, industry 4.0
- Continuity from the past and sustainability in the future
- Student community to remain as a big focus area
- Enhance industry participation
- Create special initiatives to drive key themes
- Extend the Industry-Academia collaboration further
- Include Research Institutes, STEAM institutes, specialized NGOs, Subject Matter Experts
- Connecting the dots to form a complete Knowledge Eco System
- Create opportunities to work with adjacent IEEE sections
- Make PuneCon an IEEE Pune Section's flagship event with one educational institute and one representative industry as main partners
- Map each student branch to "Center of Excellence (COE)" in particular areas

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

- Funding to section for carrying out the projects. This will enable active participation of members and renewals.
- Increasing the boundary of the section so that there will be increase in the student branches in the section. This will be supported by the section.
- The model of Industry internship opportunities to student needs to be created through the IEEE network. This will increase in the membership and retention also.

D.4 Business Plan for Sustainable Growth and Financial Stability.

- Funds from IEEE region 10 for sustainability of development goal.
- Members engagement in activities, projects that will motivate to become member further.