IEEE SREYAS STUDENT BRANCH

ANNUAL REPORT

2019-2020

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INTRODUCTION

The purpose of this annual report of the Sreyas IEEE Student Branch is to give a comprehensive idea of events conducted and the progress made.

The summary of the events conducted in the academic year 2019-2020 is given in the report.

We know that at the heart of success is a strong team with shared goals. We set the goals as a team and the individual drive and passion of each member is what propels us to achieve those goals.

This is a quick overview of the accomplishments of the Emerging student branch in the span of one year.

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STUDENT BRANCH INAUGURATION

The Inaugural Ceremony of IEEE Sreyas was held on 20th September, 2018, attended by 34 student members, 14 professional members and the Chief Guest Dr. Srinivasa Rao(SMIEEE, FORMER CHAIR-IEEE Education Society).

The motto of IEEE Sreyas Student Branch being to provide a platform to students where they can interact with their peer group from around the section and also with the professional members from around the globe. Several activities that would help the students and foster their core knowledge and at the same time nurture their leadership in managerial skills.

The Ceremony commenced with the lighting of lamp by the dignitaries Prof. Dr. Suresh Akella(Principal), Prof. Sreenivasu(Head,Department of Electronics and Communications Engineering) and Prof. Ch. S.V. Maruthi Rao(Branch Counsellor), the program was followed by Saraswati Vandana.

The Principal and Chief Guest addressed the members with their awe inspiring message about the significance of the IEEE Student Branch, unveiling the IEEE Sreyas Student Branch logo. Topping it all was the Branch Counsellor with vote of thanks to all the attendees.

Paper and Poster Presentation

The Paper and Poster Presentation organised by IEEE Sreyas Student Branch on 12th October, 2018. This was a two day workshop attended by students from 2nd, 3rd & 4th year of ECE department. The event was graced by the respected dignitaries Dr. Mirali Krishna(HoD of ECE dept.), B. Sreenivasu(Dept. HoD), John Moses Sir
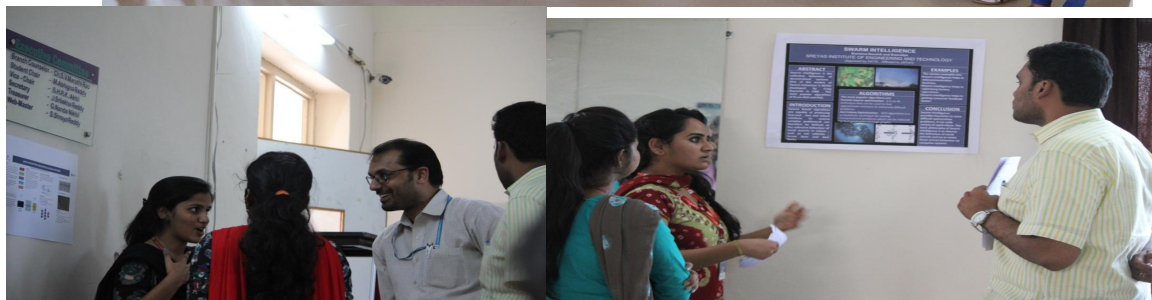
The Presentations were judged by the venerated, Dr. V. A. Sankar Ponnapally, Dr. Sandeep Kumar, whose main objective is to increase the knowledge in advanced technologies like fuzzy sets, Artificial Neural Networks, Swarm Intelligence and Artificial Immune Systems.

The speeches by the esteemed dignitaries propelled the confidence and the fervour of the participants.

Session 1 was kicked off with Paper Presentations by students giving basic knowledge on fuzzy sets, Artificial Neural Networks, Swarm Intelligence and Artificial Immune Systems.

Session 2 was a poster presentation on the above topics, involving many creative and innovative ideas from the participants.

Session 3 workshop culminated with the dignitaries honouring the students with the certificates and prize money for their Creative Ideas.

Workshop on IoT

The Workshop on IoT was organised by IEEE Sreyas Student Branch on 16th & 17th July, 2019. Over a 100 students participated in the Workshop. Conducted by SD Parvez Hussain with the intent to offer hands-on sessions to the candidates to help them grasp the theoretical and practical aspects of the innovative world.

The program was started on a high note with the speeches from the dignitaries, Dr. Suresh Akella(the Principal), Dr. Murali Krishna(the HoD, ECE Dept.), B. Sreenivasu(the dept. HoD, ECE Dept.) and SD Parvez Hussain, lighting the lamp and delivering sublime speeches.

Day 1, Session 1 started with introduction to IoT and Communication Protocols by Mr. Anuroop. This was an interactive session with students recollecting
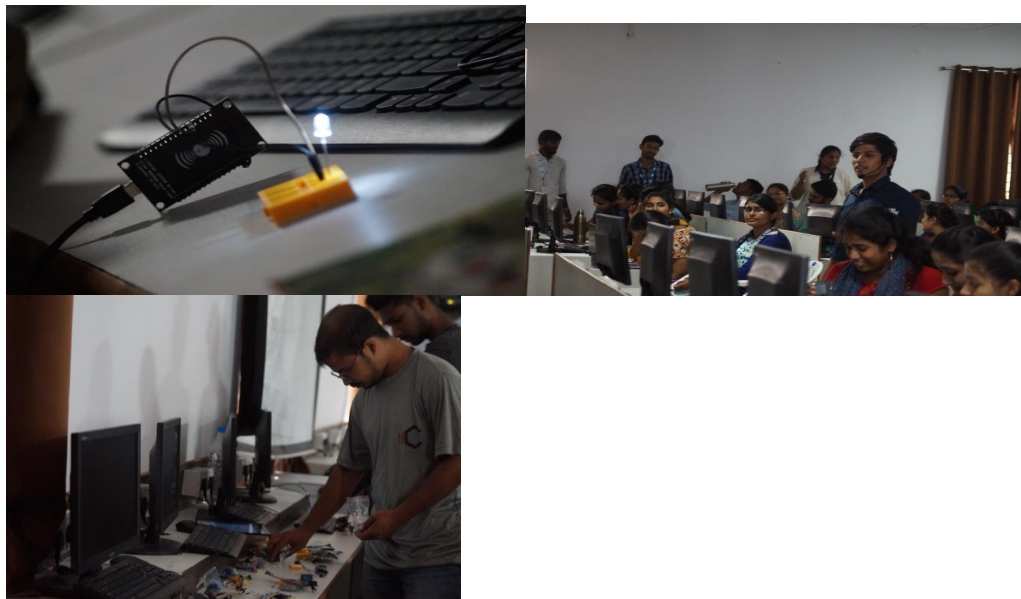
their basic knowledge. An Introductory lecture on Microcontroller and Microprocessor, with a detailed description of Arduino and its architecture followed by NODE MCU.

Day 1, Session 2 was a hands-on session on Arduino with the programming code for Arduino and NODE MCU, participants performed LED Blink, LED fade, Nested if and for loops, reading a sensor data with the guidance from the Instructor.

Day 2, Session 3 was a hands-on experience on street light, relay and working of smart home auto machines, controlling devices at home using the web. Students were given a tutorial on creating an HTML page.

Day 2, Session 4 was a demonstration of blink applications and mobile controlled IoT by coding. Students are guided with monitoring the data. Introduction, Architecture and working of Raspberry pi was explained. The students who applied for kits were given Wifi enabled IoT kits to continue their expedition into the IoT world.

This 2 day workshop ended with the speeches by the dignitaries.

Workshop on PCB

The workshop on Printed Circuit Board(PCB) was organised by IEEE Sreyas Student Branch on 31st September & 1st October 2019. With an overwhelming response of 100 students participating in the 2 day workshop with exuberance to gain the hands-on experience and knowledge. This workshop was guided by Cyberaegis IT Solutions Pvt. Ltd.
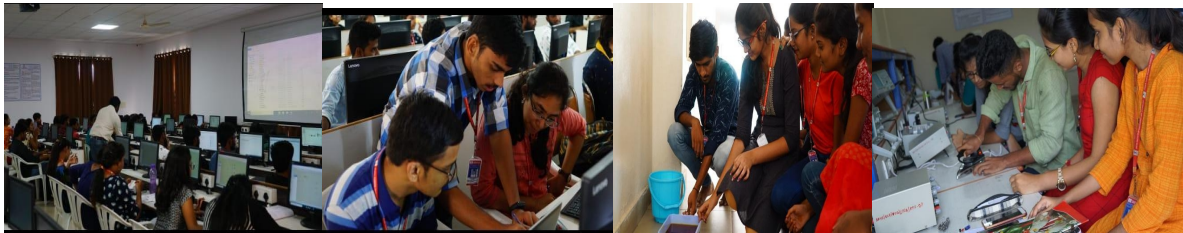
The workshop commenced with dignitaries, Dr. Prof. Suresh Akella(the Principal), Dr. Murali Krishna(HoD of ECE Dept.), Prof. B. Sreenivasu(Dept. HoD of ECE Dept.), Ms. Surekha and SD Parvez Hussain, lighting the lamp & giving students some insight into the workshop.

Day 1, session 1 was a basic introduction about the LDR circuit and its applications in burglar alarm circuits, light intensity meters. Students recollected basic knowledge on circuits.

Day 1, session 2 was a software session with trainers explaining the software of LDR circuits, step down transformers and voltage regulated-power supply.

Day 2, session 3 students designed their own software and executed it with the guidance from the trainers.

Day 2, session 4 students designed the hardware based on above software circuits with expert guidance from instructors. Students were instructed about the hardware given to them. The session ended with a valedictorian from the dignitaries.

World IEEE Day 2019

On the World IEEE Day 2019, IEEE Sreyas Student Branch conducted technical and non-technical events on 1st October, 2019

The technical events were,

Codethon to test the grasp of students on C language, this event consisted of two rounds with two difficulty levels, the programs were ratified by the faculty.

Ideathon with the theme being "different ideas on leveraging technology". The purpose of the event was to know students' talent to generate fresh solutions to existing challenges.

Technical Quiz this event was aimed at challenging students to hone in on their knowledge, this event had two rounds, one being fundamentals based quiz and the round 2 being based on both fundamentals and circuit theory,

Project Expo with the aim to provide a platform to students to show their innovative projects. This event aimed at boosting the morale of the participants by showing the different projects on display with the potential to provide solutions to existing problems.
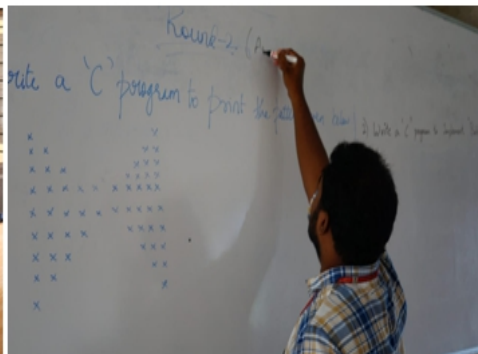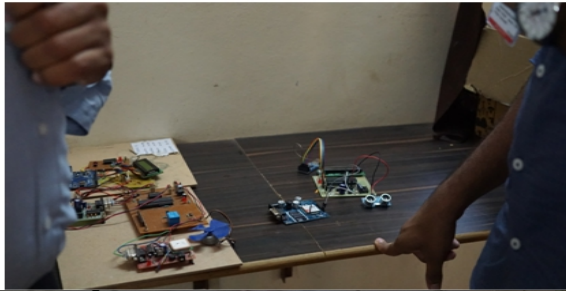
Non-Technical Events were,

Public Speaking with the theme being to conquer the stage fright by knowing what you are talking about. The event aimed at not only improving the soft skills of students and their vocabulary but also to give the students an inspiration to shed their stage fright.

Photography was a theme of "College Infrastructure and Mechanisms". This seemingly monotonous theme showed us the creativity of the participants. The photos were judged by the faculty.

LOGO Designing with the theme of the logo design based on "different logos on IEEE Societies". This event let the students delve deeper into their creative minds and find the best logos for the particular societies and seeing the jaw dropping results for the LOGOs was awe inspiring.

Workshop in Introduction to Data Science and IoT

Workshop on Data Science and IoT was jointly organised by IEEE Sreyas Student Branch, Department of ECE & CSE on 27th February, 2020 with M. Venkateshwarlu Naik as the Speaker he is certified at Data Science and Big Data Analytics by Dell Emc, Python and R Programming at Associate Level, with 100 plus students taking part in the workshop.

The students were given brief information about Data Science, application of data science and IoT and provided a compelling argument as to why these two are the future. The workshop was an interactive session wherein the speaker posed questions and the participants gave good answers.

The outcome of the workshop was the students learning how to solve complicated problems with simpler data analytics.

The workshop ended with a vote of thanks and felicitation to the Honourable speaker by B. Sreenivasu(HoD ECE dept.), Dr. S. Abdul Nabi(HoD CSE dept.) and Dr. K.M.V.V. Prasad

Webinar on Cloud Computing Fundamentals

The webinar on cloud computing fundamentals was organised by IEEE Sreyas Student Branch under the IEEE Computer Society on 27th April, 2020 with Dr. Rajanikanth Aluvala(a cloud computing major from GITAM)as the Speaker with the webinar being attended by 117 student participants.

The program kicked off with a basic introduction to cloud computing. Followed up by a quick explanation on cloud computing characteristics, advantages, challenges, role as service provider was taught to students. A brief insight into cloud service providers like Amazon Web Services and Microsoft Azure. The webinar ended with a quick Q&A session with active participation by the students and them gaining a huge bit of information on the cloud computing arena.

Webinar on Digital Marketing

The webinar on digital marketing is organized by the IEEE sreyas student branch under the IEEE computer society chapter on 29th April,2020 by D.V. Ravi Varma.

D.V. Ravi Varma (lead digital marketing trainer, Digital Brolly) is a serial entrepreneur and a digital marketer and is also known as one of the top Digital Marketing Trainers in hyderabad. His own startup called Doer's Guild(2012)today is engaged with more than 6 organizations which hold the key share. He is enthusiastic in exploring new business ideas and is also well adapted in technology, design and marketing. More than 5000 people are trained about digital marketing both in the public and private sectors. He expertised in the field of search engine optimization, google, facebook, ads, Email and affiliate marketing.

The speaker D.V. Ravi Varma sir started the webinar after a welcome by the IEEE sreyas student chair. Around 112 students registered themselves for this program.

The webinar started with an interactive question and answer session regarding digital marketing to make students understand the term digital marketing in an effective way.

Ravi Varma sir gave a detailed explanation about the term digital marketing, why digital marketing is important. Students are made to understand the scope of digital marketing, future and career opportunities in digital marketing. The benefits of learning digital marketing and how to its impact on regular life is also explained.

The program ended with a question and answer session where students actively posed their questions regarding digital marketing, The session was informative and interactive, giving the best of knowledge to students that could be a guideline to them in future,

By the end of the webinar, students understood the term digital marketing, its use and its scope in future. Students found this program interesting and beneficial

Webinar on Wireless Sensor Networks and its Applications

The webinar was organised by IEEE Sreyas Student Branch under IEEE Signal Processing Society on 29th April, 2020 with Dr. L. Nirmala Devi(has a teaching experience in wireless communications, Wireless Sensor Network, IoT and data, research includes Ad-hoc networks, wireless communication and Sensors, Signal Processing Machine Learning and AI)as the speaker with around 200 students registering for the event.

The webinar kicked off with definitions of sensors and networks. A brief description about wireless networks and adapted networks is explained. Students are taught about sensor node components, factors influencing sensor networks communication architecture, uses of sensors and sensor network simulators.

Applications are explained in detail using real time examples.

The program ended with a Q&A session and a thank you note to the respected speaker. Students actively took part in the webinar gaining knowledge from the interactive session.

Webinar on how to build a powerful and impactful Resumé

The webinar on How to build a powerful and impactful resume is organized by the IEEE sreyas student branch on 2nd May,2020 by T.Harish Kumar.

T. Harish Kumar(Entrepreneur and Talent Advisor, Bangalore) holds B.E in computers from VTU and MBA in HRM from GITAM university. He has worked for several leading corporate and consulting firms including STS international, Equifax India as Talent Acquisition partner. He has 7+ years of experience in campus recruitment, lateral hiring, HR operations in the IT industry.

The speaker T.Harish Kumar sir started the webinar after a welcome by the IEEE sreyas student chair. Around 130 students registered themselves for this program.

The program started with a brief description about the building blocks of a resume. A detailed explanation about how powerful a resume must be?, uses of effective resume, list of qualifications that are supposed to be mentioned in a resume, importance of resume outlook for job applications in MNC's, do's and don'ts, difference between about one page, two page and three page resumes and skills in demand that are looked for in a resume.

Few sample resumes are explained in order to provide a clear and complete knowledge about a resume. Students are also taught about the importance of communication skills to attend an interview, how to tackle tricky questions and to defend a gap year to recruiters during an interview.

By the end of the webinar, students understood the importance of a resume and also how to build a resume that helps them to present a perfect resume while applying for a job or attending an interview. The program ended with a thank you note by the IEEE sreyas student branch chair.

Webinar on the complete guide to coding during the lockdown

The webinar on The complete Guide to Coding during the lockdown is organized by the IEEE sreyas student branch under the IEEE computer society chapter on 6th May, 2020 by Sushrith Pasupuleti.

Sushrith Pasupuleti(Founder and CEO of BRAGGI)is pursuing his bachelor's degree in computer science at Sreyas Institute of Engineering and Technology, Hyderabad. He is a self taught coder, who has built multiple startups, authored numerous blogs on how to get started with coding, machine learning and other software engineering self help guides.

The speaker Sushrith Pasupuleti started the webinar after a welcome by the IEEE Sreyas Student Chair. Around 167 students registered themselves for this program.

The program started with a brief introduction to programming. An overview of programming and an explanation about various platforms like web(websites,webapps) Desktop, mobile(android and IOS apps) and other platforms such as VR, Embedded Systems (Raspberry Pi, Arduino). The participants are also taught about the best ways to use a coding language, advantages and disadvantages of one language over the other.

Students are made to explore numerous frameworks and are guided with various technologies used in present industries. The program further continued with a question and answer session where participants made the best use of it by getting their doubts clarified by the speaker.

By the end of the webinar, students are given information about coding, different languages according to their application. Students found this program interesting, informative and useful for their further study in programming. The program ended with a thank you note by the IEEE computer society chapter chair.

Webinar on "The culture of Start-ups and their Effective Solutions"

The webinar was organized by IEEE Sreyas Student Branch under IEEE Computer Society on 9th May, 2020 with Dileep Seshu Basina(Founder and CEO at FromTheHeart).

The session began with defining the word "Start-up" with the difference between business and start-up, how ideas turn into start-ups, 5 stages of success, how government is supporting start-ups and why most of the start-ups fail.

The 5 basics of start-up as described by the speaker himself:

Concept and Research, Commitment, Traction, Refinement and Scaling & Becoming Established. These concepts were explained in detail.

By the end of the webinar students were made aware of entrepreneurship and what makes a person a successful entrepreneur.

Webinar on Blockchain Technology Fundamentals

The webinar on Blockchain Technology Fundamentals is organised by the IEEE SREYAS STUDENT BRANCH under IEEE Computer Society on 12th of May,2020 by Dr. Ravirajsinh Vaghela.

Dr. Ravirajsinh Vaghela, who is a designated Associate Professor in the department of Computer Application. By profession, Dr. Ravirajsinh Vaghela is Professor teaching C++, JAVA, .NET to UG students and Oracle to PG level students. He has a working experience of 9years.

The webinar was an introductory session for students unaware about the Blockchain Technology, and a sort of prelude to the students who are formerly aware and very much educated about the Blockchain Technology, a brush up of sorts on the basics of what this seemingly miraculous piece of Technology has to offer.

The webinar started at 10AM and concluded by 11AM, with a 15 minute questionnaire.

The introduction to the Blockchain Technology is elucidated very briefly by the speaker making the students familiar about the technology in very simple layman's terms.

The blockchain technology is explained stepwise from the user requesting a transaction to the end verification and execution of the transaction.

The difference between Blockchain and Cryptocurrency was explained briefly, as cryptocurrency being one of the applications of Blockchain Technology.

The Speaker gave the students a brief history from its humble beginnings in 1991 by Stuart Haber and W Scott Stornetta, to Satoshi Nakamoto implementing the first Blockchain as the Public Ledger for the transaction made using Bitcoin in 2009.

The speaker informed the students about the skills required to become a Blockchain developer, a few of them being fluent in Programming Languages like C,C++, Node.js, Java, Python, having adept knowledge about networking etc..

By the end of the Webinar Students had a clear understanding about basics of Blockchain technology, Applications of Blockchain technology. In the end students asked about the applications in the field of Electrical Engineering, Healthcare, Citizen Identification Cards and its security.

The webinar ended with a thank you note by the IEEE Sreyas Student Branch Chair and its subsequent reciprocation by the Speaker Dr, Ravirajsinh Vaghela.

Webinar on Green Buildings

The webinar on Green Buildings is organised by the IEEE Sreyas Student Branch on 14th of May,2020 with the speaker being Dr. V.S.K.V. Harish, with 200 total registered students.
Dr. V.S.K.V. Harish is an Assistant Professor at Pandit Deendayal Petroleum University(PDPU), Gandhinagar. Pursued his Engineering Masters in Power Engineering(Gold Medalist). Dr. Harish pursued his Ph.D. in February,2017 working to develop a smart building energy control and comfort optimization algorithm with intelligent modelling of building energy systems.
The webinar was an interest peeker for the students who are interested in the future of Smart and Environment Friendly Building. The students witnessed a cordial reception of the Speaker, Dr. V.S.K.V. Harish by the IEEE Sreyas Student Branch Chair Mr. K. Mysura Reddy.
The speaker discussed what the future has in store for us future citizens i.e being well equipped with the technical prowess of these Green Buildings and the beauty of them being Environment friendly.
The speaker through his lecture in the Webinar also suggested the use of AI, Sensors and Control Systems together to predict, analyse and control the internal environment of housing without any adverse effects on the environment. This concept gives the students a taste of the future technologies which will be applied for the comfort of human beings along with safeguarding our nature protection interests.
The program ended on an interactive note with the students asking about the use of AI in predicting climatic changes and also the monetary feasibility of such a technologically advanced Concept with the Indian Societal and financial backdrop.
The webinar ended with the IEEE Sreyas Student Branch Chair expressing deep gratitude towards Dr.V.S.K.V and its cordial reciprocation by the Speaker Dr.V.S.K.V Harish.

Webinar on "Big data for Big impact"

  The webinar on Big data for Big impact is hosted by IEEE Sreyas student branch under the IEEE Computer Society Chapter on 16th May,2020 by Dr.Jay Dave. Dr.Jay Dave is an Assistant Professor at Indus university with a demonstrated history of working in the higher education industry.He is skilled in Data security along with Big data management and storage.He is a strong education professional with a doctorate in computer engineering. The webinar started at 10:00am and lasted up to 11:00 am. The webinar started after the salutation by the IEEE Sreyas student chair,Kuchuru Mysura Reddy.Around 72 students registered for this webinar.

The webinar started with the introduction of big data and its features,significance.Applications of big data,classifications,tools to deal with big data, challenges are explained in detail. The importance of learning programming languages and data science and its relation with big data is explained with work and operation of data scientists. The major part is about Hadoop connection with big data,its history and Hadoop versions are described in a clear manner.The webinar is winded up by the explanation of industrial impacts and future of big data.

By the end of the webinar,students acquired knowledge on the importance of big data and data science in present world and relation between the big data and Hadoop.Students found it quite advantageous to plan their next step.The program ended with the thanksgiving note by the IEEE Sreyas student chair.

DRAFT OF THE DECADE

Jam Session , Article Writing and Quiz competition

The event on **Draft of the Decade based jam session** is hosted by IEEE Sreyas Computer Society under the IEEE Sreyas Student Branch on 14th July, 2020.

Jam session was conducted based on the events that took place in the decade i.e. 2010-2020. Topics which include both technical and non-technical were shared with the participants during the session and were asked to select the best one to speak for a minute on it. The jam session started at 11:30am and lasted up to 12:30pm. The session started after the salutation by the IEEE Sreyas Computer Society Vice-Chair, K.V. Sumanth. Around 22 students registered for the jam session.

The jam session started with an introduction of the event, how it helped us to participate in this pandemic. How can we improve our communication skills and involvement in the events? Participants were called with names to speak their review on the topic they selected. Participants spoke about self-confidence and how it is helpful for us. Also shared their views about how artificial intelligence makes humans vulnerable and lazy. Explained about the economy after covid-19 pandemic, and spoke the negatives and positive sides of the internet. Apart from this there were many other topics on which participants gave their views and shared their knowledge.

By the end of the session, participants acquired knowledge from other participant's views and thoughts. The session ended with the thanksgiving note by the IEEE Sreyas Student Branch Chair and IEEE Sreyas Computer Society Vice-Chair.

The event on **Draft of the Decade based article writing** is hosted by IEEE Sreyas Computer Society under the IEEE Sreyas Student Branch on 16th July, 2020.

Article writing was conducted based on the events that took place in the decade i.e. 2010-2020. Topics which include both technical and non-technical were shared with the participants during the session and were asked to select the best one and write it .The participants were given 12hours of time i.e. from 9AM to 9PM.

The session started after the salutation by the IEEE Sreyas Student Branch Chair, K.Mysura Reddy. Around 56 students have registered for the session. The session started with the introduction of the event. The participants were made aware of the instructions by providing an instruction manual which included all the instructions about the event and the format of the article.

Participants were given the topics at exactly 9AM and were asked to start their work. They were also provided a Google form link where the participants can upload their article written in the form of word document. At sharp 9PM the link was disabled and no late entries were encouraged. There were 10 topics in total including technical and non-technical. The topics are listed below:

TECHNICAL

The evolution of smart homes (Home automation systems),Growing E waste, Sensor technology trends and advances,Revolution of biochip technology,Virtual payment systems.

NON TECHNICAL

The rise of OTT platforms,Revolution of Reliance Jio,The surgical strike,Social Challenges of the decade,What's the best sports event you have seen in this decade?

Participants were asked to choose one among them. There was no word limit for the article. But had a minimum of 15-20 words of limit in the body of the topic. Plagiarism was also checked after the submission of their article.

 The session ended with the thanksgiving note by the IEEE Sreyas Student Branch Chair.

The event on **Draft of the Decade quiz competition** is hosted by IEEE Sreyas Computer Society under IEEE Sreyas Student Branch on 18th July, 2020.

Quiz competition was conducted based on coding, aptitude and verbal. All were multiple choice questions. The participants were given 1hour of time i.e., from 11AM to 12PM.

The session started after the salutation by the IEEE Sreyas Computer Society Chair, Dheeraj Chava. Around 80 students registered for the quiz competition.

The session started with the introduction of the event. The participants were given an instruction manual to inform them about the event and instructions.

Quiz competition was conducted through a Google form link. Participants were given a Google form link at 10:55 and enabled the link at 11:00AM. The competition ended at 12:00PM and 5minutes of buffer time was given for the submission. Participants gave their best in the competition and acquired knowledge.

The session ended with the thanksgiving note by the IEEE Sreyas Student Branch Chair and IEEE Sreyas Computer Society Chair

Webinar on "Awareness on cyber crimes and career opportunities in cyber security"

The webinar on Awareness on Cyber crimes and Career opportunities in Cyber Security is organised by the IEEE Sreyas Student Branch under IEEE Computer society on 20th July,2020 by Mr. Santosh Chaluvadi.
Santosh Chaluvadi(founder and CEO Supraja technologies) is a young entrepreneur, cyber security expert and is a digital marketer. He was also co-founder and director- training in spyry technologies for 2years and 9 months. Apart from this he is also an ethical hacker. He is the Limca Book of Records holder in the year 2017.
 The webinar started at 11:00am and lasted up to 01:30pm.
The speaker Santosh Chaluvadi sir started the webinar after a welcome note by the IEEE sreyas student branch Chair.Around 200 students participated in this program.
Initially santosh sir gave his warm regards to all the participants and shared few of his life experiences which made him be in this position today. The program continued with a basic question regarding hacking,cyber crimes,description about the level of risks involved in reaching a wrong website or opening random links sent to our mobile phones or email ids, essential information about the possibility of hacking our mail ids which might result in disclosure of our personal information, the basic knowledge that is required to understand cyber crimes, proper way of setting a secured password and awareness was bought amongst everyone regarding these activities and he asked everyone to check if the participants' mail id was ever breached by

providing a link and also provided guidelines on how to create a perfect password which is highly secured.

Later the speaker provided 2 internship programmes that can activate students skills and also which might give them a career opportunity in cyber security dealing companies.

The program continued with an interactive Q&A session and all the participants found this program highly interesting,informative and extremely useful.

The program ended with a vote of thanks by the IEEE sreyas student branch chair.

REPORT ON WEBINAR ON INTRODUCTION TO NASA SPACE APPS CHALLENGE 2020

The webinar on Introduction to NASA Space Apps Challenge 2020 is organised by the IEEE Sreyas Student Branch under IEEE Communication society on 23rdJuly,2020 by Mr.S.K.Nigam and Ms.Pooja Tak.

The speaker S.K.Nigam(BARC scientist) has over 37 years of experience in Bhabha Atomic Research Center and is now designated as the scientific officer -G. He is associated with different engineering colleges for preparation of vision documents and NASA affiliated hackathon activities for maharashtra and telangana states.

Pooja Tak(lead of NASA space apps) is by profession electronics and communication engineer having 4yrs of experience in corporate sector for submarines and radio frequency department. She is now currently working on covid 19 products at pravishya.

Introduction and webinar

The webinar started at 11:00am and lasted up to 12:30pm.

The speaker Pooja Tak mam started the webinar after a welcome note by the IEEE sreyas student branch Chair.Around 100 students participated in this program.

Initially Pooja mam gave her warm regards to all the participants and started off the webinar by speaking about NASA and their developments over past few years and also during this pandemic period.

Description about the hackathon that NASA decided to conduct globally to get the students to make best use of this period. Guidelines,requirements and few topics that can be useful to participate in this hackathon and also a detailed explanation about the current position and few projects are given.

S.K.Nigam sir continued the program and explained the participants about the jury point of selection procedure. Do's and don'ts during presentation, required content in the slides and time limits are informed.

Participants are provided with the information required to participate in this wonderful hackathon program by NASA.

The program ended with an interactive Q&A session and the participants found the webinar informative and useful.

The Ending Salutations

The program ended with a vote of thanks by the IEEE Sreyas Student Branch Chair.

IGNITING MINDS

Thematic art , Picture speaks ,Flicker Flash

The event "**IGNITING MINDS – THEMATIC ART**" is hosted by IEEE Women In Engineering Affinity group under the IEEE Sreyas Student Branch on 04th August, 2020.

Thematic Art was conducted based on current global situational themes. Themes were shared with the participants during the session and were asked to select their desired theme and draw/sketch it. The participants were given 12hours of time i.e. from 9AM to 9PM.

The session started after the salutation IEEE Sreyas Women In Engineering Affinity group Chair, R.Srinidhi Ranganayaki. Around 34 students have registered for the session.The session started with the introduction of the event. The participants were made aware of the instructions by providing an instruction manual which included all the instructions about the event and how they were required to provide proof of verification.

Themes were given to the participants exactly at 9AM and were asked to start their work. They were also provided with a Google form link where the participants can upload their art in the form of an image format along with a photo/video as a proof for verification. At sharp 9PM the link was disabled and no late entries were encouraged. There were a total of 5 themes given to the participants. The themes are listed below:

Outer Space,Current pandemic period coronavirus,History and heritage,Impact of technology on human life (comparison of lifestyle),Women in Engineering.

Participants were asked to select only one of the themes from the above list. The participants were advised to depict the theme properly in their art/sketch. There were no restrictions imposed on the style of art that they could submit. All the photographs and videos that were sent by the participants were checked thoroughly.

The event ended with the thanks giving note by the IEEE Sreyas Student Branch Chair and IEEE Sreyas WIE Affinity group Chair.

The event "**IGNITING MINDS – PICTURE SPEAKS**" is hosted by IEEE Women in Engineering Affinity group under the IEEE Sreyas Student Branch on 08th August, 2020.

Picture Speaks was conducted based on the current global situational theme. The picture that was to be described was shared with the participants during the session and were asked to share their views about it as efficiently as possible. The participants were given 6 hours of time i.e. from 12PM to 6PM.

The session started after the salutation of IEEE Sreyas Women in Engineering Affinity group Chair, Srinidhi Ranganayaki. Around 49 students have registered for the session.

The session started with the introduction of the event. The participants were made aware of the instructions by providing an instruction manual which included all the instructions about the event.

The picture to be described was given to the participants exactly at 12PM and were asked to start their work. They were also provided with a Google form link where the participants can upload their writing in a .docx/.doc format. At sharp 6PM, the link was disabled and no late entries were

encouraged. The picture that was given to them was:

The participants were advised to describe the picture properly in their writing. Dual entries were not encouraged and accepted. All the writings that were submitted were thoroughly checked for possible plagiarism. The event ended with the thanks giving note by the IEEE Sreyas Student Branch Chair and IEEE Sreyas WIE Affinity group Chair.

The event "**IGNITING MINDS-FLICKER FLASH**" is hosted by IEEE Women in Engineering Affinity group under the IEEE Sreyas Student Branch on 06th August, 2020.

Flicker flash was conducted based on the themes. Themes were shared with the participants sharp at 9AM and were asked to take a photo based on the selected theme. The participants were given 7hours of time i.e. from 9AM to 4PM.

The session started after the salutation of IEEE Sreyas Women in Engineering Affinity group Chair, R.Sreenidhi Ranganayaki. Around 36 students have registered for the session.The session started with the introduction of the event. The participants were made aware of the instructions by providing an instruction manual which included all the instructions about the event.

Themes were given to the participants exactly at 9AM and were asked to start their work. They were also provided with a Google form link where the participants can upload their photograph in the form of an image format. At sharp 4PM the link was disabled and no late entries were encouraged.

There were a total of 5 themes given to the participants. The themes are listed below:

Lifestyle during lockdown,Nature photography, Miniature photography.,Portrait photography ,Architectural photography.

Participants were asked to select only one of the themes from the above list. The participants were advised to depict the theme properly in their photography. All the photographs that were sent by the participants were checked thoroughly.

The event ended with the thanks giving note by the IEEE Sreyas Student Branch Chair and IEEE Sreyas WIE Affinity group Chair.

MAVERICKS

Coding and decoding and Virtual Treasure Hunt

The event on Mavericks, Coding and Decoding is hosted by IEEE Sreyas Communications Society under IEEE Sreyas Student Branch on 5th September,2020.

Coding and Decoding was conducted based on some communication concepts, as well as earning knowledge about cyber security by different encryption and decryption methods. All were multiple choice questions. The participants were given 50mins time i.e., from 4PM to 4:50PM.

The session started after the salutation by IEEE Sreyas communication Society chair, P.Phani Harsha and team. Student Coordinators were assigned for the event for monitoring the backup work and for solving the technical issues (if any). Around 40 students registered for the Coding and Decoding competition.The Session was started with introduction of the event. The participants were given an instruction manual to make them aware of the event and instructions.

Coding and Decoding was conducted through a Google form link. The competition ended at 4:50PM and 5minutes of buffer time was given for the submission. Participants gave their best in the competition and acquired knowledge.

The session ended with the thanksgiving note by the IEEE Sreyas Student Branch Chair and IEEE Sreyas Communication Society Chair.

The event on Mavericks, Virtual Treasure Hunt is hosted by IEEE Sreyas Communications Society under IEEE Sreyas Student Branch on 6th September,2020.

Virtual Treasure Hunt was conducted on a virtual platform. All the participants will be ready with their groups with 3 members in each. Each group will have a leader. The leader should be asking for hints or submit the answers to the organizers in a personal whatsapp window. The participants were given 1hr time i.e., from 11AM to 12:00PM. The treasure is about solving a "TERROR CASE".Around 14 teams got registered for the virtual treasure hunt.

The Session started with the introduction of the event. The participants were given an instruction manual to inform them about the event and instructions.The Treasure was shared at 11:00am sharp in the whatsapp group. The Play ended at 12:00PM. Participants had enjoyed the gameplay and they were entertained.

The Gameplay ended with the thanksgiving note by the IEEE Sreyas Student Branch Chair and IEEE Sreyas Communication Society Chair.

REPORT ON IEEE DAY

The IEEE Day 2020 was organised by IEEE Sreyas Student Branch on 6th October 2020

BRAINSTORMING EVENT
With the total of 52 participants taking part in this erudite, yet fun event.

About the Organisers
The Organisers of the Event are Nikita, Praneetha, Rishitha, Srilatha & Shubham.
With the latter four being 3rd year students and Nikita being the fourth year student of Sreyas Institute of Engineering and Technology, ECE department.

Introduction to the Event
The Event started at 3:55PM with the Organisers giving the participants Round-1 quiz forms. The participants were allowed to give their response by 4:00PM. The Round-1 of the event lasted for 20mins with submissions being paused by 4:20PM(as per the schedule). The responses were corroborated and the results were declared by 4:33PM. The Round-2 of the Event was started sharply by 4:35PM with the last response coming in at 4:57PM,within the limits of buffer time allotted to the participants(within the bounds of rules for the Event).

The Conclusion
The event ended with the responses being recorded and the Winner of the Event confirmed. The list of participants with their information was sent to the IEEE Sreyas Student Branch. Along with the names of Runner-up and the Winner.

CLICK AND BLINK

The Click and Blink event was conducted by IEEE Sreyas Student Branch on 6th October, 2020.

Student Coordinators:

Lohith, Sumanth, Sai Krishna, P.Meghana

The event started at 2pm in the afternoon wherein all the participants were provided with a google form and were provided with the 7 themes, NATURE, MACRO, FOOD, VINTAGE, ARCHITECTURE, MONOCHROME & REFLECTIVE.

Conclusion

The event ended around 6pm in the evening with a total of 25 participants. After the event the participants were provided with a participation certificate and Deeksha Reddy who captured the best picture based on the selected theme was declared as the winner.

FUNTASTIC FACULTY

It is an article writing competition conducted among the faculty of all branches.
The event has been conducted between 5pm - 9pm

Topic given to the participants was WHICH MOVIE CHARACTER HAS INSPIRED YOU THE MOST IN YOUR LIFE ? the main theme of the article.

The participants were provided with a Google form in which they uploaded their articles.A count of 13 participants have registered to the event and among which 8 have participated.

The winner has been selected on the basis of voting in which IEEE students took part.The winner of the event was decided by the vote count(i.e. faculty with the highest number of votes wins).

Student coordinators for this event were Dheeraj, Meghana, Cheshmini & Laxmi Supraja.

CROSSWORD WIZARD

We were very glad to see all Sreyans coming forward and had an active participation in various events. Apart from this, all third year IEEE members have done the organizing of events, which made us learn a lot ,such as- managing skills, team work, friendly interactions, and exposed us to the responsibilities of organising an event.

Our team has given their best to get the registrations. 64 members have come to participate. We've held our event from 5pm-6pm. Our event took place via a Google Form. And decided the winner completely based on the time limit taken to solve our puzzle ,which contained 20 questions. As soon as the event completed, we worked on the responses and declared the winners. All the participation certificates have also been sent to all our participants within a short time. This would be one of the most memorable events for us as coordinators.

-Shrija Reddy

Tanvi Reddy

Akshitha Kolloju

Poojitha Reddy

Sriharshavardhan