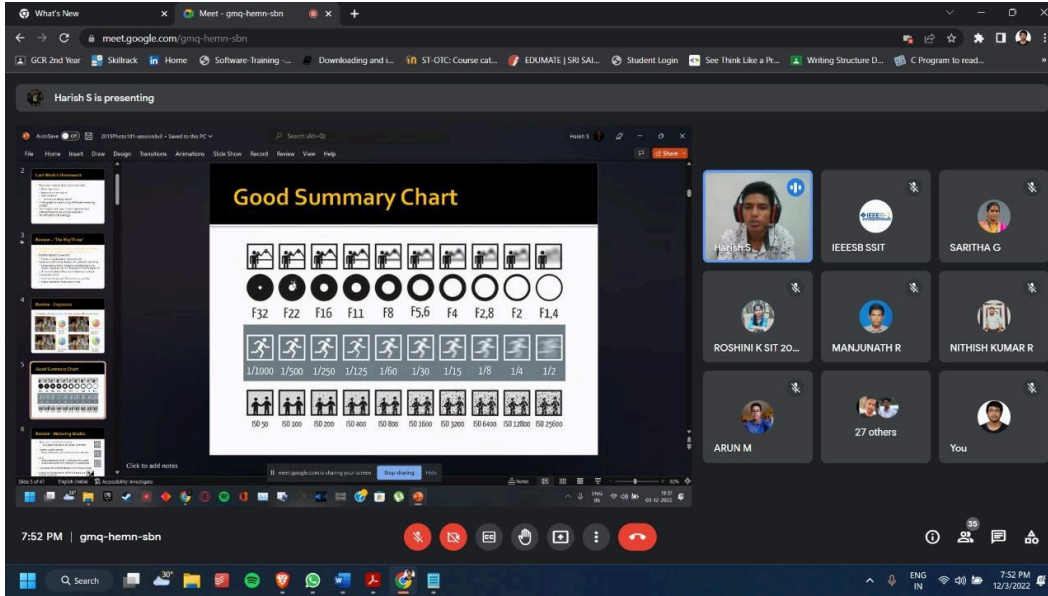


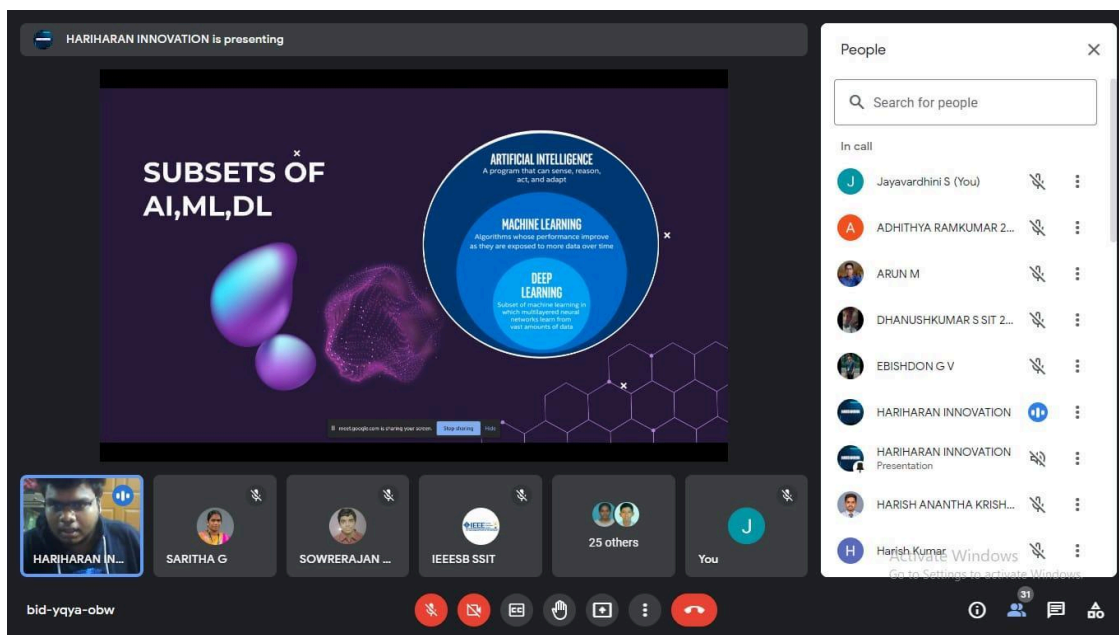
“Forby Series - #2 Shutter Basics Of Photography”

In this iteration of the ForBy Series, the IEEE Student Branch of Sri Sairam Institute of Technology hosted a virtual event on Saturday, 3rd December 2022, at 7:30pm, going over the basics of photography, revealing the details that go into each photo. The event started off with a welcome address from a fellow student member, following which Harish S, the IEEE CIS Webmaster took to the dais, presenting an immaculate, detailed presentation and explaining each concept in a manner that was easy-to-grasp. He went over concepts such as sensors, shutter speed, the components of a DSLR and other such details concerning the camera. The event continued for an hour, and at the end a Vote of Thanks was given by an IEEE Member, after which everyone bid adieu to one another.



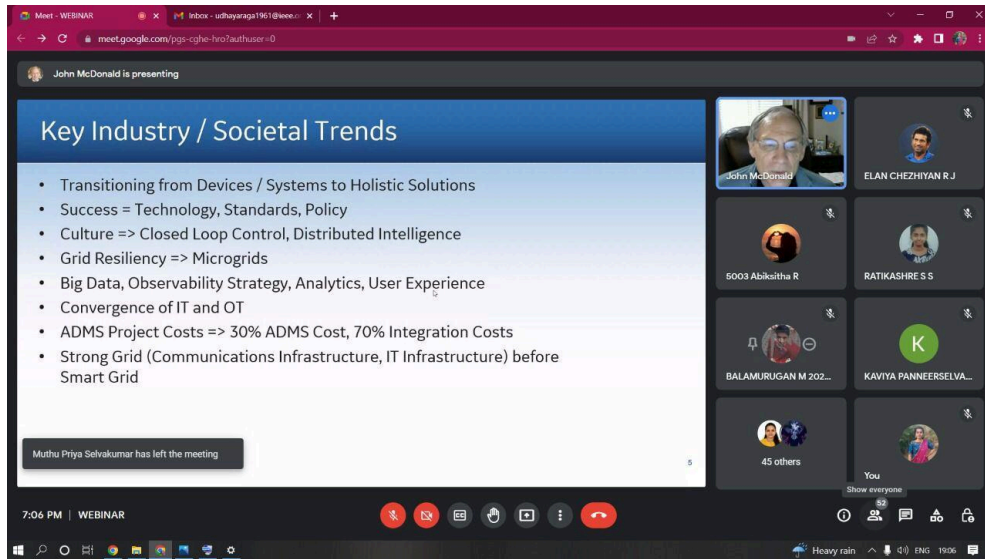
“Forby Series - #3 Machine Learning Basics”

On the 5th of December, the IEEE Student branch of Sri Sairam institute of technology, organized the “FORBY Series” event. The event took place in Online mode from around 7.30 p.m. to 8.30p.m. The event was coordinated by the IEEE SB Counselor Dr.G. Saritha. The event started with the speech of the IEEE SB Counselor Dr.G.Saritha . The event was very much interesting. The students actively interacted in the event. Some of the basic concepts of Machine learning was taught and the types of machine learning were discussed. Also, topics related to algorithm framing and many others was explained. The real time applications of Machine learning were taught in detail. The Existing examples of machine learning were explained. The speaker was very much active and posed questions to which the students answered. On the whole the entire session was useful and fascinating



“Webinar on Big Data, IoT, Enterprise Data Management and the New Data Requirements and robotics Inspection Devices”

On 9th December 2022, the IEEE Student Branch of Sri Sairam Institute of Technology in collaboration with IEEE Student Branch of St.Joseph College of Engineering organized a webinar on big data, iot, enterprise data management and the new data requirements of drones and robotic inspection devices. The Young and professional IEEE members were inspired by the power packed webinar of Mr.John McDonald, IEEE Life fellow member, Member of National Academy of Engineering, CIGRE Honorary Member. The Experience and delivery of Keynote Address made an impact on fellow IEEE members and the event concluded with a Vote of thanks.



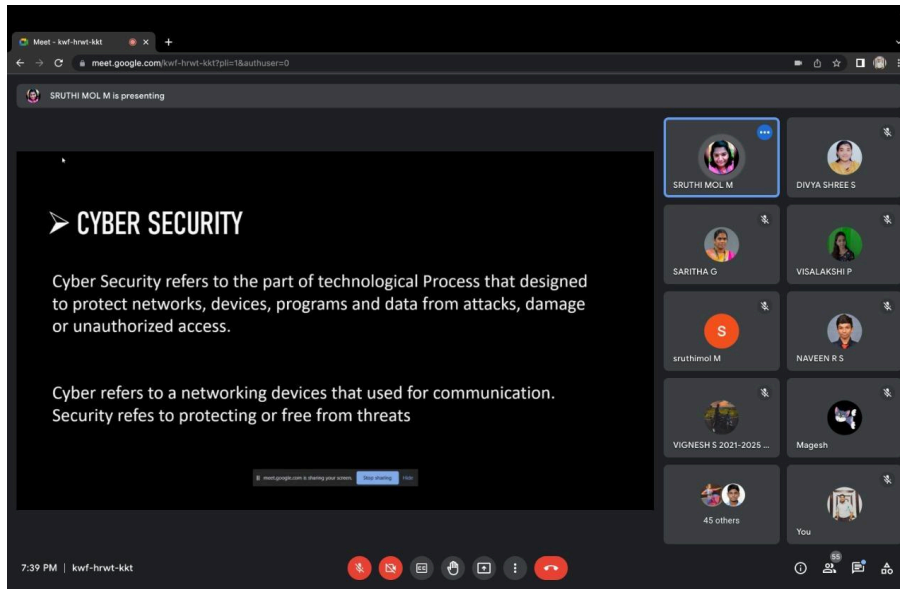
“International Conference on Computer, Power and Communication – ICCPC’22”

The conference featured a range of thought-provoking presentations that explored some of the most pressing issues and trends in the field. The topics covered at the conference were diverse and included Cloud computing, Neural Network, Wireless sensor networks, Deep Learning, Block chain, IoT (Internet of Things), Genomic Signal Processing(GSP), PV System etc.,. This time, we received 526 initial submissions, of which 429 were reviewed, and finally 236 were accepted for inclusion in the technical program. The conference sessions also provided an opportunity for attendees to learn about the latest research and developments in their respective fields and engage with their peers and colleagues



“Forby Series - #4 Networking Basics – The OSI Model”

On the day of 15th of December , the IEEE student branch of Sri Sairam Institute of Technology, organized the “Forby Series” Event. The event took place in online mode around 7.30 pm to 8.30 pm , the event was co ordinated by the IEEE SB Counsellor Dr.G.Saritha . The event was very interesting. The speaker explained about the seven ways in the OSI model. The speaker also elaborated how the message gets transmitted and exchanged. The students were actively participating in the event. In addition to this, the speaker also taught about the seven layers, that is application, presentation, session, transport, datalink, network and physical in the OSI model. On the whole , the event was fascinating and the event co ordinates organized the event very well.



“Forby Series - #5 Build Yourself – Leadership Talk”

Leadership is the ability to guide others without force into a direction or decision that leaves them still feeling empowered and accomplished. In today’s world, we are required to make a lot of decisions on anything of importance, and we must embrace the qualities of leadership to truly know how it is to take charge of matters, guide others and learn valuable things from experience. Owing to the importance of leadership in today’s era, in this iteration of the ForBy Series hosted by the IEEE Student Branch of Sri Sairam Institute of Technology, “Build Yourself – Leadership Talk” was held on Saturday, 24th December 2022, at 7:30pm – 8:30pm, open to students who are willing to learn leadership traits. The guest speaker, Sri Ranjani Chellam M, is a sophomore student of Electrical and Electronics Engineering, from Sri Sairam Institute of Technology, who was presented with the 2022 GELP Global Leadership Award in November 2022. The event started off with a welcome address from Nandini L, 2nd Year IT, Sri Sairam Institute of Technology, followed by the guest speaker discussing her experiences with GELP, how she went on to acquire such traits, shared a PowerPoint, elaborating on how one can improve themselves. Afterwards, the mic was passed to the audience, whose insightful questions helped everyone learn more, and Nandini concluded the event with a Vote of Thanks. The event was attended by more than 100 people and Dr G.Saritha, the IEEE SB Counselor presided over the event.

SRIRANJANICHELLAM M is presenting

EDUCATION

Education helps you develop critical skills like decision-making, mental agility, problem-solving, and logical thinking. People face problems in their professional as well as personal lives. In such situations, their ability to make rational and informed decisions comes from how educated and self aware they are.

SRIRANJANICHELLAM M

forby- Build Yourself Leadership Talk

"FDP On Awareness of Electronic Tools for System Tools"

A faculty development program was organized from 19th to 24th December 2022 at Sri Sai Ram Institute of Technology through hybrid mode on the Awareness of Electronics Tools for System Design. This was a six day Faculty Development Program covering the various tools and discussed in detail by experienced eminent educationists. Six eminent experts from various parts of India were invited to share their wisdom and vast experience on the topic. The registration process was free of cost and the selection is based on first come first serve basis. The E-Certificates was issued to the participants, who attended the program and based on the test performance.

Zoom Meeting

Kuldeep Pahwa Ramaprasad Ashish Sarangi Dr.A.Lakshmi Krish Srivastava

Sri Sai Ram Institute of Te... Kuldeep Pahwa Ramaprasad Ashish Sarangi Dr.A.Lakshmi Krish Srivastava

Recording

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"Forby Series - #6 Predictive Learning Using Sci-Kit"

On Thursday, 29th December 2022, the IEEE SIT SB decided to host the 6th event of their ForBy Series, "Predictive Learning Using Sci-Kit", hosted by fellow student Anirudh U.G, a 2nd Year Student of the AI/DS Department of Sri Sairam Institute of Technology. The event started at 7:00pm, with a welcome address by a fellow student, following which the speaker elaborated on the methods of predictive analysis and learning, namely regression and correlation, and how it could be made possible using the Sci-Kit module in Python. He demonstrated its usage by using the module's functions on data regarding rainfall patterns, etc. This was followed by a vote of thanks from Dr Saritha.G, the IEEE SB SIT Counselor and a feedback form was circulated, which generated positive feedback.

The screenshot shows a Google Meet interface during a presentation. The main content area displays a slide titled "IEEE - forby series : Predictive Analysis using Sci-kit Learn.ipynb". The slide content includes:

- What is Predictive Analysis?**
 - Predictive Learning is a type of machine learning that analyzes current and historical facts to make predictions about future or otherwise unknown events.
 - In Laymans Terms: Predictive Analysis is the technique where a model is fed historical data and is asked to predict future values.
- For Example:**
 - Prediction of house prices using data like square feet, number of bedrooms.
 - Stock Price Prediction for stock trading.
- Types of Predictive Learning:**
 - Regression
 - Classification
- Regression:** Regression is a statistical method for estimating a "Dependent Variable" using parameters called as "Independent Variables". Mathematically it is represented as follows:
$$Y = mX + c + e$$
where, $Y \rightarrow$ Dependent Variable $X \rightarrow$ Independent Variable $c \rightarrow$ constant / Intercept of the best fitting line. $e \rightarrow$ Error Term $m \rightarrow$ Slope of

The meeting interface shows the presenter, ANIRUDH U G, and a grid of participants including Suganthi Su, HINDUJA K L, SARITHA G, LOGESWARAN SR, MANJUNATH R, and two instances of Rahul J. A notification at the bottom indicates "SUBHASH S 2022-2026 has left the meeting". The time is 7:16 PM on Thursday, December 29, 2022.

Report by: Jayavardhini S, jayavardhini@ieee.org