



VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA



ABOUT US

The Institute of Electrical and Electronics Engineers (IEEE) is a professional association for Electronic and Electrical Engineering (and associated disciplines) with its corporate office in New York City and its operations center in Piscataway, New Jersey. It was formed in 1963 from the amalgamation of the American Institute of Electrical Engineers and the Institute of Radio Engineers.

The IEEE VSSUT BURLA STUDENT BRANCH got the petition for its approval to establish on 6th November 2018. It was then inaugurated on 14th February 2019 by Prof. T.Srinivas from IISC, Bangalore in the presence of Hon'ble Vice Chancellor of VSSUT, Burla, Prof. Atal Chaudhuri, the IEEE Branch Councilor, Dr. Harish Kumar Sahoo and the Faculty advisor Dr. Papia Ray. By March it became the largest group with faculty members and students from Electrical, Electronic and Computer Science branch. Presently it is actively running with 80 members and 20 office bearers.

MISSION

- Dissemination of knowledge in broader technical fields through technical talks, seminar, conference, workshops and tutorials.
- Exchange of ideas and sharing of knowledge among the professionals in corresponding fields and provide support for technological advancement.
- Encourage professional growth of the members by the easy access and exchange of technical information.

VISION

Promoting excellence in the field of technical education apart from class room teaching and to connect the student community worldwide in a single platform.

Know More about us at the website: <http://ieeevssut.unaux.com/>

OFFICE BEARER

Branch Counselor

Dr. Harish Kumar Shao

9437086263

Faculty Advisor

Dr. Papia Ray

7749995678

Faculty Advisor	Dr. Ashish Kumar Sharma	8895094663
Chair Person	K R Satyajit	8763238768
Secretary	Balabhadra Chand	9114151322
Treasurer	Ritik R Mohapatra	9178754779
Assist. Secretary	Jeevan Pradeep Dash	8249440450
Assist. Treasurer	SubashishPattnaik	7077147022
Web Master	K. Piyush Kumar	6370328434
PR Head	Kuldeep Patro	7205832193
Documentation Head	Sai Samarpita	8457873916
Design Head	Kirti Bhusan Sethi	8093380842
Content Writer	Archita Biswal	8763118086
Social Media Manager	Asish Kumar Ptnaik	7735603282
Sponsorship Manager	Kunal Nath	9337824789
Sponsorship Manager	Mitrajanu Mishra	7205161240

ACTIVITIES DONE TILL DATE....

1. INAUGURATION

The IEEE VSSUT BURLA STUDENT BRANCH was inaugurated by Prof. T.Srinivas from IISC, Bangalore in the presence of Hon'ble Vice Chancellor Prof. Atal Chaudhuri, IEEE Branch Councilor Dr. Harish Kumar Sahoo and Faculty advisor Dr. Papia Ray The Student Branch functions potentially under **IEEE KOLKATA SECTION** and **BHUBANESHWAR SUB-SECTION**.



Photograph during the Inaguration of IEEE Student branch in VSSUT, Burla

2. SAMAVESH 2019

On the occasion of SAMAVESH, the Technical Fest of the University, a mega workshop series was organized based on topics related to technology and science in collaboration with Central Tool Room and Training Centre, Bhubaneswar. The event witnessed more than 160 participants. 7 workshops were conducted in the series which were: -

1. Brief demonstration and application of Embedded Systems in various industries
2. Brief introduction and Demonstration of Industry Application (Application of PLC and SCADA)
3. Brief Idea about Structural Design and Analysis
4. Basics of CNC Machine, Advancement and Industrial Applications
5. Discussion on Artificial Intelligence and Machine Learning Techniques
6. Discussion on Internet of Things (IOT)
7. A special workshop on 3D Printer



Various projects were also done in this Tech event. One of the excellent projects was the LED robot displaying our student branch name “IEEE VSSUT”.

3. MARATHON WORKSHOP

A three-day long marathon workshop on the topic “**Embedded Systems and IoT**” was conducted by Texas Instruments, USA. It was inaugurated by Vice Chancellor *Prof. Atal Chaudhari* on November 15, 2019 in presence of *Prof. A N Nayak*, Co-coordinator TEQIP-III, *Prof. S K Swain*, Dean Academics, *Prof. S S Das*, Dean Students Welfare, The Student Branch Counsellor- *Dr. Harish Kumar Sahoo*, Faculty

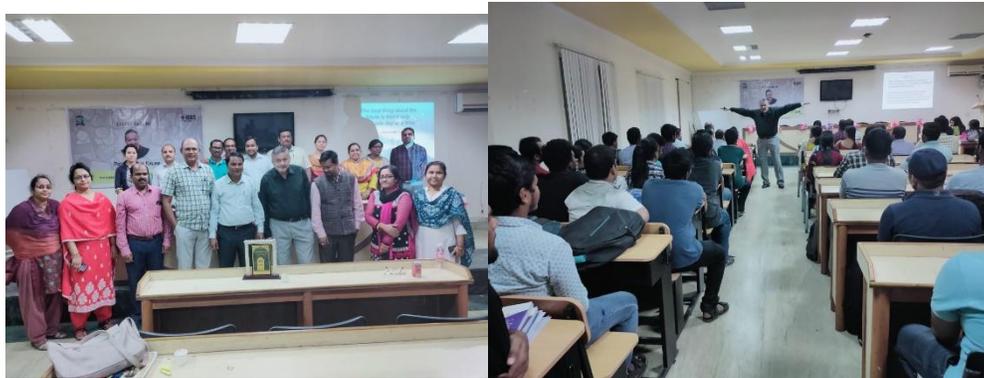
Advisor- *Dr. PapiyaRay* along with the experts from Texas Instruments *Er.Ganesh Motte* and *Er. T Krishna Chaitanya*.



Photograph during the demonstration by Texas Instruments expert and group photograph during inauguration of the “Embedded Systems and IoT” workshop

4. TECHNICAL TALK

The technical talk on **Smart Power Grid in 21st Century** was given by *Prof. Akhtar Kalam* from University of Melbourne, Australia on 17th of Nov 2019. The talk was of 90 minutes’ duration and was held in the presence of Vice Chancellor of the University- *Prof. Atal Choudhury*, The IEEE Student Branch Counsellor- *Dr. Harish Kumar Sahoo*, Faculty Advisor- *Dr. Papiya Ray* and all the professors and students from the Department of Electrical, Electronics and Telecommunication Engineering



5. SAMAVESH 2020

On the occasion of SAMAVESH 2020, IEEE Student branch organized **TECHNO DEBATE** and **PAPER PRESENTATION**.

1. Technical Debate:

In order to make students feel the vibe of Technology, the Student Branch organized the techno-debate competition. In this, students were allowed to speak either for or against the technical topic given to them on spot.



Photograph during the Debate Competition

2. Paper Presentation

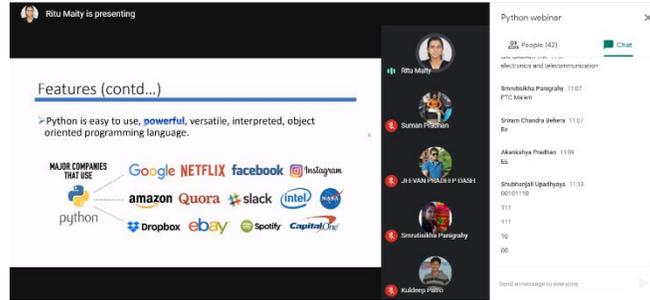
To promote research enthusiasm among students, the Student Branch conducted Paper Presentation competition. The participants were allotted 10 technical topics 10 days before the competition out of which they selected the topic of their choice and presented the power point presentation.



Photograph during Paper Presentation

6. ACTIVITY DURING PANDEMIC SITUATION

On 26th September 2020 IEEE VSSUT Burla Conducted a webinar on “Recent *Advancement- a future of Python*”. The webinar was conducted in collaboration by CTTC, Bhubaneswar. The event witnessed a participation of 100 students. The event hosted virtually on Google meet. The event was followed by an interactive Question and Answer session. The event was mentored by Ritu Maity and Asutosh Pati of CTTC, Bhubaneswar.

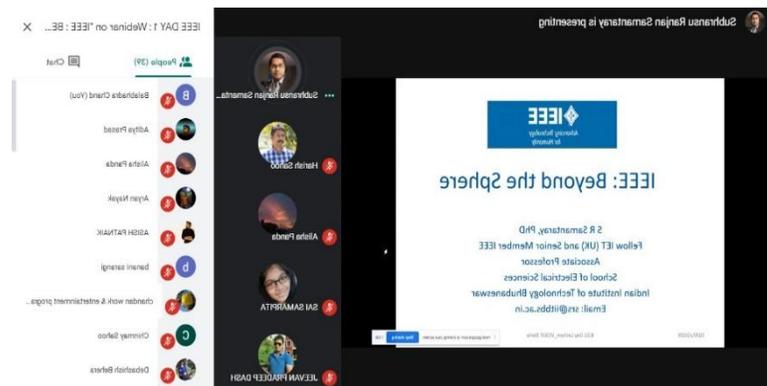


Photograph during the webinar

7. IEEE DAY

1. **IEEE - Beyond the Sphere**

On the occasion of IEEE DAY, THE IEEE VSSUT BURLA STUDENT BRANCH organized a webinar on " IEEE - Beyond the Sphere " on 5th October 2020 at 5:30 PM. The webinar was chaired by Dr.S.R Samantaray , Associate Professor, IIT Bhubaneswar and Secretary, IEEE, Bhubaneswar Sub-Section. The event started with the dignified words by Dr. Harish Kumar Sahoo, Branch Counsellor of the Student Branch. The event had around 40 participants. It threw insight on the advantages of IEEE, its reaches to regions, sections, sub- sections and branches, the authorship details, recognition through various awards & medals and different IEEE events organized throughout the year. As a whole this webinar was quite important in understanding the whole spectrum of IEEE. This was followed by a query resolution round. The whole event was streaming live in You Tube.



Photograph during IEEE day celebration

2. **The Future of Farming- Artificial Intelligence and Agriculture**

On the occasion of IEEE day, a series of events were conducted by IEEE VSSUT BURLA STUDENT BRANCH including a webinar on " **The Future of Farming- Artificial Intelligence(AI) and Agriculture** " on 6th October 2020 at 6:30 pm. The Speaker of the evening was Mr. Suvendu Kumar Dash who is the present CEO and CTO at Oretes. Dr. Harish Kumar Sahoo, the Branch Counsellor of the Student Branch and Dr. Papia Ray, the faculty advisor of the Student Branch also graced the event with their presence. The event witnessed more than 100 registration. It commenced with the introduction to Artificial intelligence followed by the

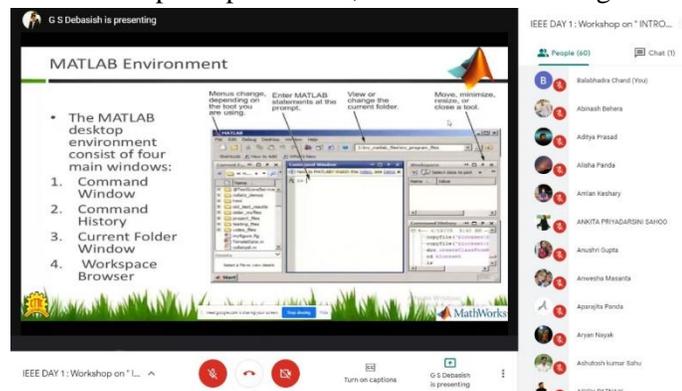
advancements in technology, impact of AI on farming, the future challenges of agriculture and the advantages of AI. This was followed by an interesting interactive question-answer round. The whole event streamed live on YouTube.



Photograph during the webinar

3. Introduction to MATLAB and Simulink:

The unveiling of the events by IEEE VSSUT BURLA STUDENT BRANCH on the occasion of IEEE DAY was done on 5th October 2020 through a workshop. The workshop was on "**Introduction to MATLAB and Simulink**" and was done in collaboration with **Central Tool Room and Training Centre, Bhubaneswar**. The workshop started at 3:00 PM and was chaired by G S Debasish of CTTC. The workshop saw a huge response with 56 participants and it covered all the basics of MATLAB and Simulink starting from 2d and 3d plotting to solving various kinds of equations. The practical demonstration was the star of the event followed by an interactive question-answer session. The one to add glitter to this star is the live streaming of the entire event on YouTube. With spirit up in the air, the event became a great success!



Photograph during the Workshop

8. ORENTATION OF FRESHERS

The IEEE VSSUT BURLA STUDENT BRANCH organized an Orientation Programme on 16th January 2021 for the batch 2024 at 6:00pm. The event got streamed live on YouTube from 5:45 pm onwards. The event started with a welcome note to the freshers and a brief introduction of the Student Branch and is then followed by welcome note to the chief guest and the dignitaries. Dr. Ashok Kumar Tripathi, Chair of IEEE Bhubaneswar Sub-Section chaired the event. Dr. Harish

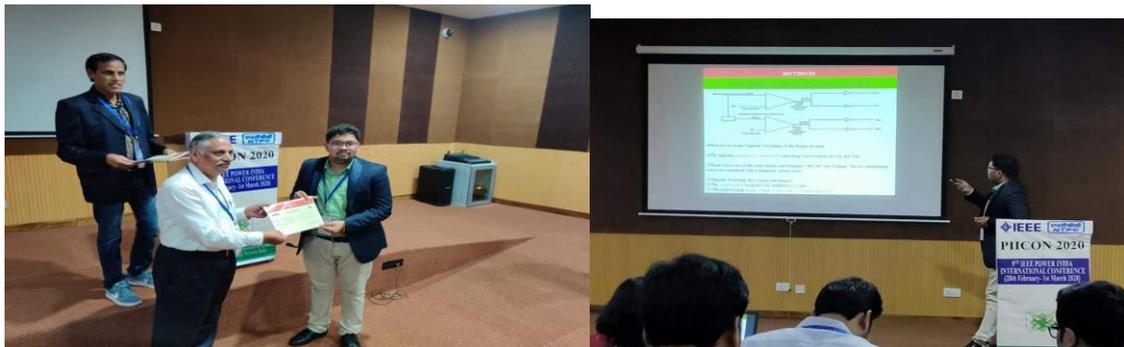
Kumar Sahoo- the IEEE branch counselor of the student branch, Prof. Bibhuti bhusan Pati - the Dean faculty and planning, IEEE senior member- Prof. Prakash Kumar Hota, the faculty advisor of the Society- Dr. Papia Ray and Dr. Asish Kumar Sharma also graced the occasion and made the students know a lot about IEEE and its benefits. The glimpse of the official website of the student branch prepared by the executives was also shown. The event ended with a vote of thanks by Balabhadra chand, Secretary, IEEE VSSUT BURLA STUDENT BRANCH. The event was a great success having witnessed more than 60 participants on Google meet more than 1.3k views on YouTube.



Photograph during Orientation Programme

ACHIEVEMENTS

IEEE Student chair K R Satyajit and faculty advisor Dr. Papia Ray jointly presented a paper on the topic “**A novel approach towards static inverter circuit**” design and presented on 2020 IEEE , 9th power India international conference (PIICON) which was also published in IEEE XPLOER.



Photograph during IEEE PIICON (K.R.Satyajit receiving certificate of appreciation from Prof. Bhim Singh, IIT Delhi Professor and chair of the session)

APPRECIATION FROM OTHER SOCIETIES

IEEE Student chair K R Satyajit had volunteered in Tech X congress, a tech summit held in Mandarmani, Westbengal and got a lot of appreciation from experts



Photograph of appreciation certificate during Tech X Congress