PRANVEER SINGH INSTITUTE OF TECHNOLOGY, KANPUR

ARYABHATTA CLUB

REPORT SESSION – September 23 (2023 –24) Activity – 01

A Report on "Scope of Skill Development under New Education Policy" (23rd September 2023, Saturday)

Special Talk at a Glance:

- Date: 23-09-2023, Time: 11:00 P.M. to 12:30 PM, Venue: IEEE Google Meet Platform.
- Expert talk on Scope of Skill development under New Education Policy" by Dr. Sonali Agarwal, Associate Professor in the Department of the Information Technology, Indian Institute of Information Technology (IIIT), Allahabad, India. Her area of interest are Stream Analytics, Big Data, Stream Data Mining, Complex event processing system, support vector machines and software engineering.
    - Expert talk on "Scope of Skill development under New Education Policy" by Dr. Shilpa Deshpande Kaistha, PhD. University of Tennessee, Knoxville, USA, Associate Professor, Department of Life Sciences and Biotechnology and Director in Innovation Foundation in CSJM University.
- Around 102 faculty and students from all branches of attended the expert talk

Objective of the event:

The goal of the expert talk was to raise awareness of the New Education Policy-2020, as well as its implementation into the education system in various aspects such as skill development in among young technocrates and faculty members.

About the event:

On September 23rd, 2023, an expert talk on Scope on Skill under New Education Policy was held on the IEEE Google Meet platform under the auspices of the Department of Basic Sciences and Humanities and the Aryabhatta Club at PSIT, IEEE Woman in Engineering Affinity group at PSIT. Dr. Sonali Agarwal, led the expert discussion. From 11:00 AM to 11:45 AM, around 102 students and Faculty members took part in an online expert talk where they aware about the system of new education policy among faculty members and how it is important for students.

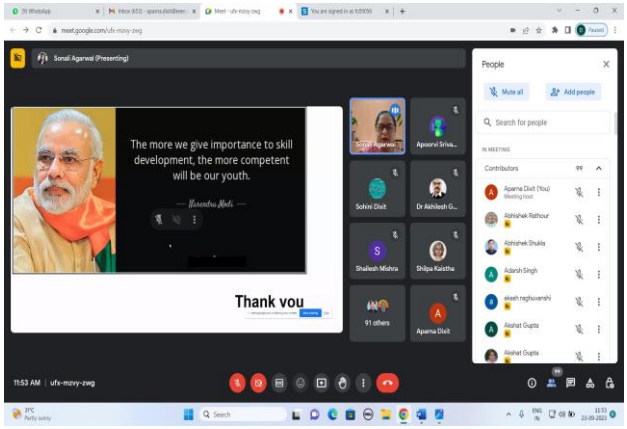
She said that "The NEP envisions a holistic and well-rounded education system that fosters creativity, critical thinking, and practical skills. It recognizes that the rapidly evolving global landscape requires individuals to be equipped with not just academic knowledge but also a diverse set of skills". This session was ended at 11:45 P.M. with thanks giving gratitude. Another session was started by Dr. Shilpa Deshpande Kaistha. She discussed about that how Implementing skill development programs may require substantial infrastructure development,

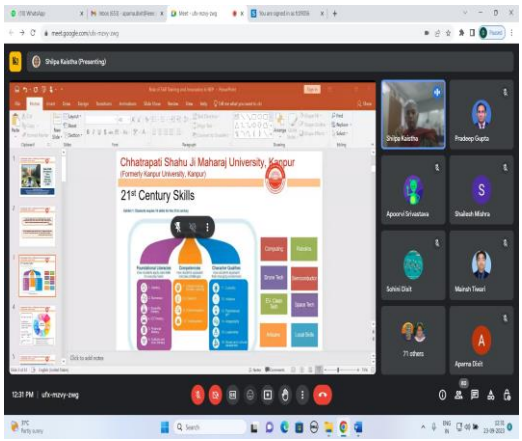
especially in rural areas, to ensure the equal access for all students, key aspects of skill development under the NEP and benefits, potential impacts of NEP.

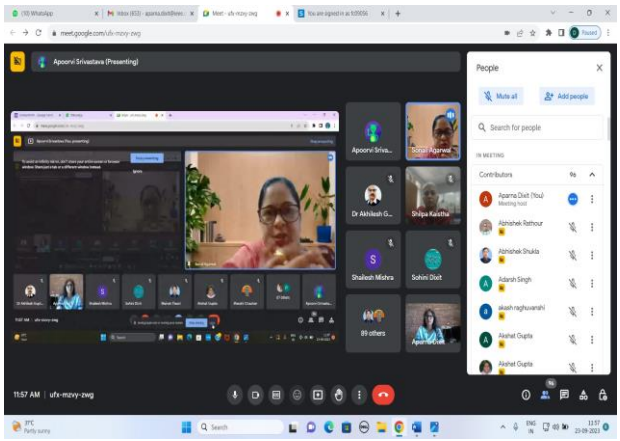
Outcome of the event:

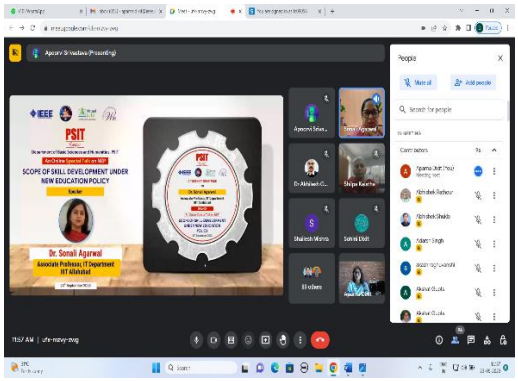
The New Education Policy's emphasis on skill development presents a promising opportunity to transform the Indian Education system. By nurturing practical skills alongside academic knowledge, the NEP aims to produce a workforce that is not only employable but also capable of driving innovation and economic growth.

Photo Gallery:









REPORT SESSION – September 29 (2023 –24) Activity – 02

A Report on "Learning with Latex" (29th September 2023, Saturday)

Special Talk at a Glance:

▪ Date: 29-09-2023, Time: 11:00 P.M. to 12:30 PM, Venue: IEEE Google Meet Platform.

▪ Expert talk on "Learning with Latex" by Dr. Shagun Panghal, Assistant Professor in the Department of the Basic Sciences and Humanities, PSIT

- Expert talk on "Learning with Latex" by Dr. Govind Prasad Sahu

▪ Around 80 faculty from all branches of PSIT and outreach of PSIT also attended the expert talk

Objective of the event:

The purpose of the expert's presentation was to raise awareness of the documentation through Latex as well as its implementation in the education system, including research and development.

About the event:

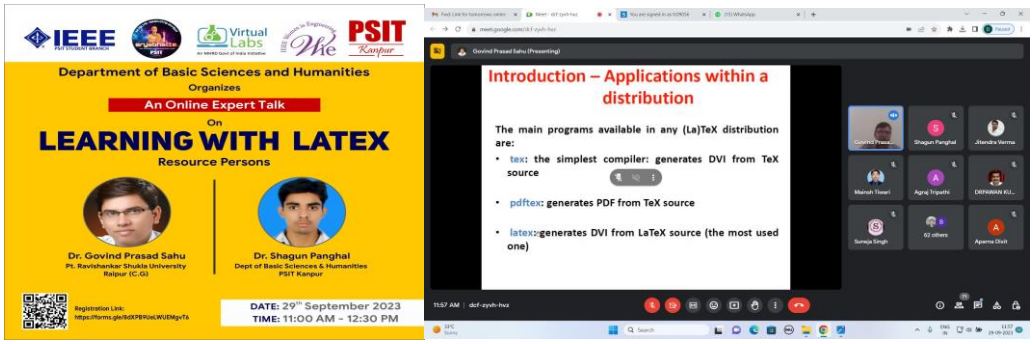
Under the auspices of the Department of Basic Sciences and Humanities and the Aryabhatta Club at PSIT, IEEE Woman in Engineering Affinity group at PSIT, an expert lecture on Learning with Latex was conducted on the IEEE Google Meet platform on September 29, 2023. Dr. Shagun Panghal conducted the discussion among experts. From 11:00 a.m. to 11:35 a.m., approximately 80 Faculty members participated in an online expert lecture about latex documentation. He led a hands-on latex workshop.

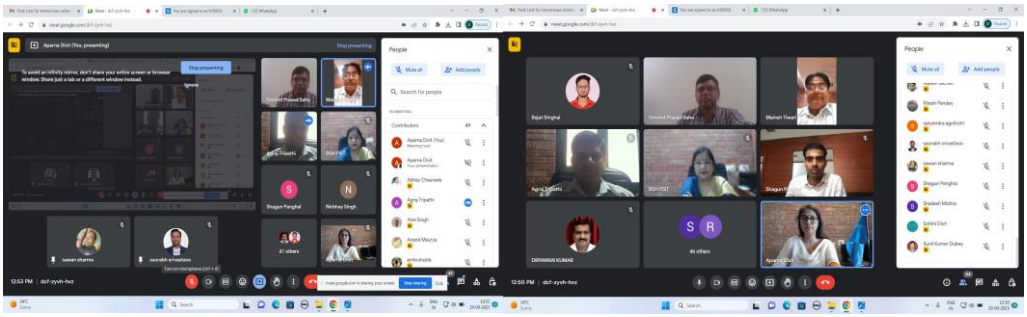
He discussed how latex is utilized in academic papers, book writing, complex documentation, scientific posters, dissertations, theses, etc. This session concluded at 11:45 p.m. with grateful appreciation. Dr. Govind Kumar Sahu initiated a new session. He explained that LaTeX is a widely utilized typesetting system for producing intricately formatted documents such as research papers, theses, and academic articles. Typically, we construct our LaTeX document in a plain text editor and then compile it with a LaTeX compiler to produce a PDF.

Outcome of the event:

The faculty members could comprehend how latex is beneficial and simplifies documentation. The use of latex in documentation was portable.

Photo Gallery:


IEEE
Virtual Labs
PSIT Kanpur
Department of Basic Sciences and Humanities
Organizes
An Online Expert Talk
On
LEARNING WITH LATEX
Resource Persons
Dr. Govind Prasad Sahu
Pt. Ravishankar Shukla University
Raipur (C.G)
Dr. Shagun Panghal
Dept of Basic Sciences & Humanities
PSIT Kanpur
Registration Link:
https://forms.gle/tdXPBYGeLWUEMgvT6
DATE: 29th September 2023
TIME: 11:00 AM - 12:30 PM
Introduction – Applications within a distribution
The main programs available in any (La)TeX distribution are:
tex: the simplest compiler: generates DVI from TeX source
pdftex: generates PDF from TeX source
latex>generates DVI from LaTeX source (the most used one)



PSIT
Department of Basic Sciences and Humanities
An Online Expert Talk
On
LEARNING WITH LATEX
Resource Person
Dr. Govind Prasad Sahu
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29th September 2023

IEEE
Virtual Labs
PSIT Kanpur
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An Online Expert Talk
On
LEARNING WITH LATEX
Resource Person
Dr. Shagun Panghal
Dept of Basic Sciences & Humanities
PSIT Kanpur
29th September 2023

REPORT SESSION – September 17 (2023 –24) Activity – 03

A Report on "WORKSHOP on Develop Your Skills in Article Writing" (17th September 2023, Sunday)

Workshop at a Glance:

▪ Date: 15-11-2023, Time: 11:00 A.M. to 12:00 Noon, Venue: IEEE Google Meet Platform.

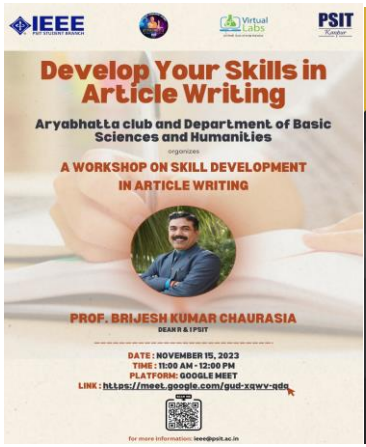
▪ Expert session on WORKSHOP on Develop Your Skills in Article Writing by Prof. Brijesh Chaurasia, Dean - Research and Innovations

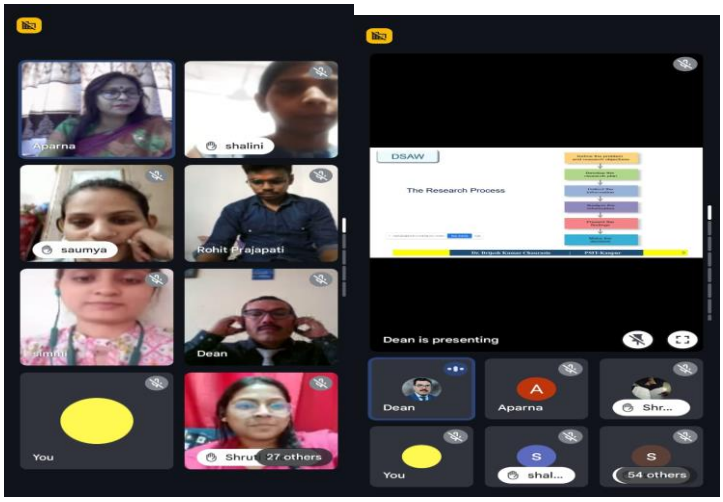
▪ Around 75 students from all branches of attended the webinar

Objective of the event:

The goal of this workshop to aware student about research article and how it advances the personal CV in shaping their carrier.

Photo Gallery:

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REPORT SESSION – October 19 (2023 –24) Activity – 05

A Report on "Defending Machine Learning Against Adversarial Attacks" (19th October 2023, Thursday)

Expert talk at a Glance:

▪ Date: 19-10-2023, Time: 11:00 A.M. to 12:30 PM, Venue: SH-1.

▪ Expert Talk on Defending Machine Learning Against Adversarial Attacks by Prof. Purushottam Karr, Associate Professor, CSE Department IIT Kanpur

▪ Around 240 students from all branches of attended the talk

Objective of the event:

This expert talk by an eminent speaker is being given with the purpose of enlightening our students on the principles of machine learning as well as the tools that can be utilized to improve air-quality monitoring systems and to supervise various models as they are applied to diverse domains.

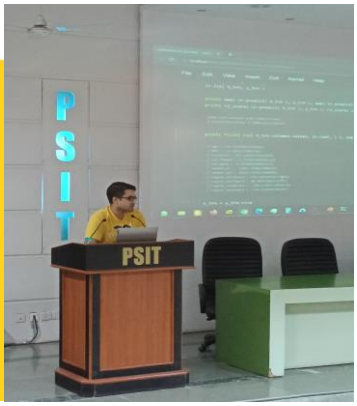
About the event:

Under the aegis of the Department of Basic Sciences and Humanities, Virtual Lab Regional Centre-PSIT and the IEEE Computer Society Student Chapter at PSIT, an invited speaker delivered a session on the 19th of October, 2023, titled "Defending Machine Learning Against Adversarial Attacks," which took place in Room SH-1. The expert conversation was led by Professor Purushottam Karr. Approximately 240 students participated in an offline expert session that was held from 11:00 AM to 12:30 PM. During this session, the students were educated on the fundamentals of machine learning. The information presented in Data and Its Processing: An Introduction to Data in Machine Learning served to bolster the effectiveness of the session. It was brought out that in today's world, machine learning can be utilized in a variety of contexts, such as the translation of languages, the prediction of consumer preferences, and the diagnosis of medical conditions. He discussed how virtual labs helps to understand any application that associated with the systems.

Outcome of the event:

The expert session resulted in the students displaying a satisfactory level of motivation to comprehend the foundational principles of mathematics, which serve as requirements for several courses such as Data Mining, Network Protocols, Analysis of Web Traffic, Computer Security, Bioinformatics, and Machine Learning.

Photo Gallery:



REPORT SESSION – October 21 (2023 –24) Activity – 06

A Report on "Frugal innovation: Secret of success" (21st October 2023, Saturday)

Expert talk at a Glance:

▪ Date: 21-10-2023, Time: 11:00 A.M. to 12:30 PM, Venue: SH-1.

▪ Expert Talk on Frugal innovation: Secret of success by Prof. J Ramkumar, Professor, Deptt of ME &Design, Coord. for Med Tech, Imlab & RuTAG IIT Kanpur

▪ Around 240 students from all branches of attended the talk

Objective of the event:

This lecture by an eminent professor is being given with the intention of enlightening our students on the significance of frugal innovations to the society as a whole and how these innovations can help achieve this.

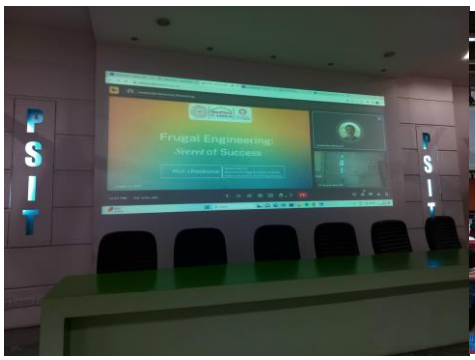
About the event:

An informative discussion titled "Frugal innovation: Secret of success" was presented by a subject matter expert on October 21, 2023, in SH-1, and it was organized by the Department of Basic Sciences and Humanities at PSIT, Virtual Lab Regional Centre-PSIT as well as the IEEE SIGHT Chapter at PSIT. The expert conversation was led by Prof. J. Ramkumar. Approximately 240 students participated in an offline expert session that was held from 11:00 AM to 12:30 PM. During this session, the students were educated on the fundamentals and fundamental concepts of low-cost innovations. The speaker discussed how virtual labs can help to the development of any device. The fact that inexpensive innovations have a tendency to be hyper-localized, which restricts the radius of their propagation in either a physical or social sense, is one of the most crucial elements that works against their general acceptance. The learnings from the session were able to empower the fact that inexpensive innovations tend to be hyper-localized. Therefore, communication is an essential success factor in broadening the reach and impact of frugal innovations, and locally trusted influencers continue to be of great assistance in this regard.

Outcome of the event:

The expert session led to the students being sufficiently inspired to Understand that thrifty connects the young technocrats and how to address the necessities of society. This was the consequence of the session.

Photo Gallery:



REPORT SESSION – October 26 (2023 –24) Activity – 07

A Report on "SWAN: SKY WATCH ARRAY NETWORK" (26th October 2023, Thursday)

Expert talk at a Glance:

▪ Date: 26-10-2023, Time: 03:15 A.M. to 04:55 PM, Venue: SH-1.

▪ Expert Talk on SWAN: SKY WATCH ARRAY NETWORK by Prof. Avinash Deshpande, Visiting Professor, Department of Space, Planetary & Astronomical Sciences & Engineering (SPASE) IIT Kanpur and IUCAA, Pune

▪ Around 240 students from all branches of attended the talk

Objective of the event:

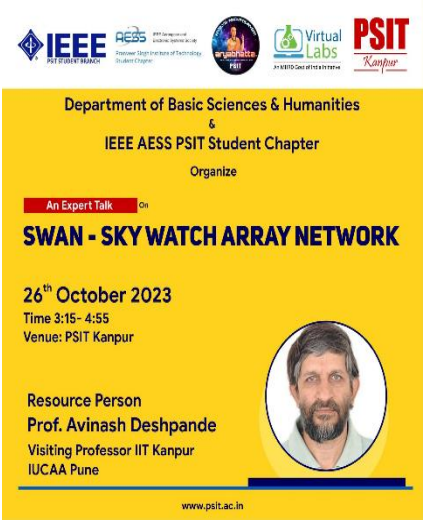
A large number of undergraduate students will be trained, involved, and provided with hands-on experience in all aspects of the SWAN. This will be accomplished through the students' direct and active participation beginning with the design stage and continuing all the way through the research that is conducted using the array network. The purpose of this talk given by an expert is to educate our students about SWAN antenna.

About the event:

An informative discussion entitled "SWAN: SKY WATCH ARRAY NETWORK" was presented in SH-1 on October 26, 2023. The expert session was organized by the Department of Basic Sciences and Humanities at PSIT in conjunction with the IEEE SIGHT Chapter at PSIT. The expert conversation was led by Professor Avinash Deshpande. Approximately 240 students participated in an offline expert session that took place from 3:15 to 4:55 p.m. at which time they were educated about the wonders and sciences of space. This lecture intends to greatly improve Indian observation capabilities in radio and, more importantly, to establish and cultivate future generations of outstanding radio astronomers in India so that they can meet the challenges and take the lead in fascinating research in the field of astronomy. During the course of the discussion, the subject matter expert addressed the question of how undergraduate students from a variety of fields may contribute. It was widely stated that India is currently in the process of designing, developing, and using a broad-band Sky Watch Array Network in this modern period. This was brought up in a number of different contexts.

Outcome of the event:

During the course of this presentation, we will go over the technical aspects that are associated with the design, development, and the laboratory test results received from the broad-band RF receiver system.


IEEE
AESS
Virtual Labs
PSIT
Kanpur
Department of Basic Sciences & Humanities
&
IEEE AESS PSIT Student Chapter
Organize
An Expert Talk On
SWAN - SKY WATCH ARRAY NETWORK
26th October 2023
Time 3:15- 4:55
Venue: PSIT Kanpur
Resource Person
Prof. Avinash Deshpande
Visiting Professor IIT Kanpur
IUCAA Pune
www.psit.ac.in

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REPORT SESSION – November 15 (2023 –24) Activity – 08

A Report on "WORKSHOP on Develop Your Skills in Article Writing" (15th November 2023, Sunday)

Workshop at a Glance:

▪ Date: 15-11-2023, Time: 11:00 A.M. to 12:00 Noon, Venue: IEEE Google Meet Platform.

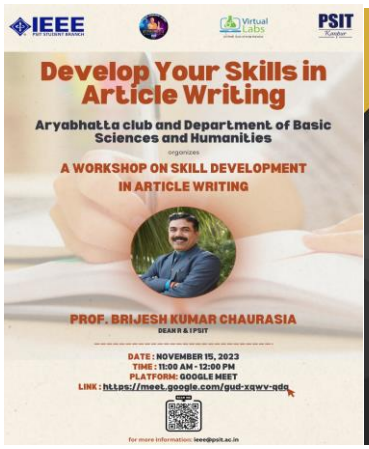
▪ Expert session on WORKSHOP on Develop Your Skills in Article Writing by Prof. Brijesh Chaurasia, Dean - Research and Innovations

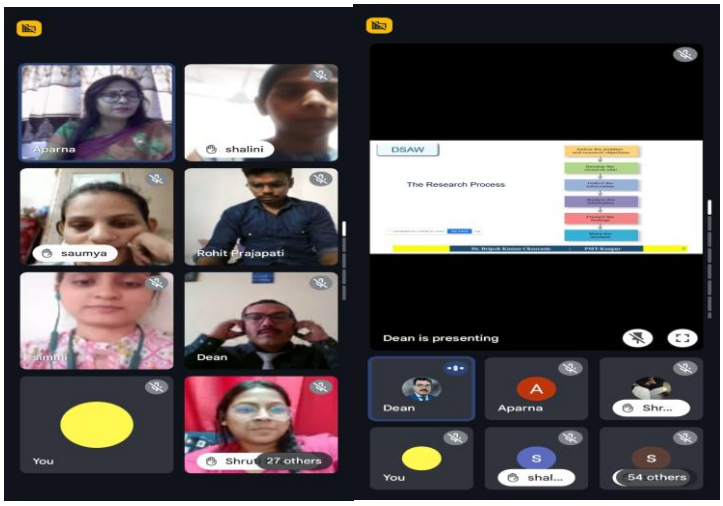
▪ Around 75 students from all branches of attended the webinar

Objective of the event:

The goal of this workshop to aware student about research article and how it advances the personal CV in shaping their carrier.

Photo Gallery:

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REPORT SESSION – December 25 (2023 –24) Activity – 09

A Report on "Career Chronicles" (25th December 2023, Monday)

Session at a Glance:

▪ Date: 25-12-2023, Time: 1:25 P.M. to 1:40 P.M., Venue: N-13.

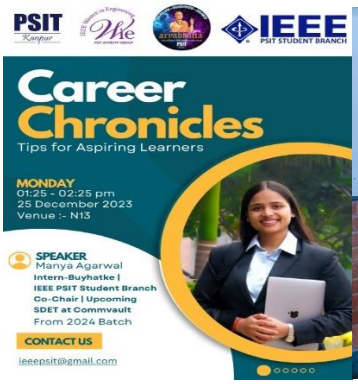
▪ Expert session on **Career Chronicles** by Ms. Manya Agarwal, Co-chair, IEEE PSIT Student Branch, Intern-Buyhatke, Upcoming SDET at Commvault 2024 Batch

▪ Around 75 students from all branches of attended the session

Objective of the event:

The goal of this session to aware student about internships and how it advances the personal CV in shaping their career.

Photo Gallery:



REPORT SESSION – December 26 (2023 –24) Activity – 10

A Report on "Data Structures Dialogue-Path to Triumph" (26th December 2023, Tuesday)

Session at a Glance:

▪ Date: 26-12-2023, Time: 1:25 P.M. to 1:40 P.M., Venue: N-13.

▪ Expert session on **Data Structures Dialogue-Path to Triumph** by Ms. Aastha Agarwal, Co-chair, IEEE PSIT Student Branch, Upcoming SDE Intern at Amazon 2024 Batch

▪ Around 75 students from all branches of attended the session

Objective of the event:

The goal of this session to aware student about data structures and it's utility to grab the internship at Amazon level.

Photo Gallery:

REPORT SESSION – December 31 (2023 –24) Activity – 11

A Report on "Launch of Aryabhatta club magazine - COSMOS" (31 December 2023, Tuesday)

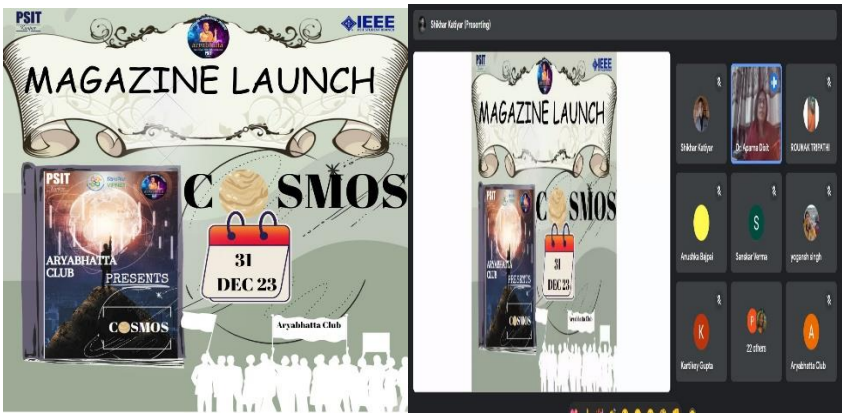
Session at a Glance:

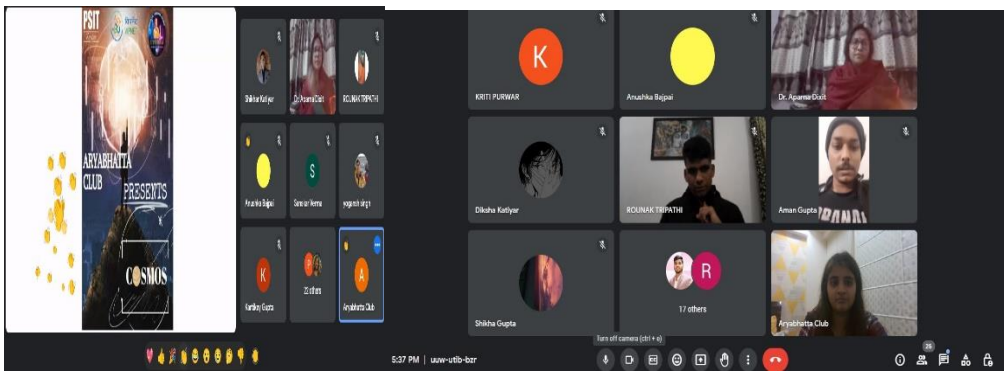
- Date: 31-12-2023, Time: 12:30 P.M. to 1:40 P.M., Venue: Online Google meet platform
- Around 75 students from all branches of attended the session

Objective of the event:

The goal of this launch was to aware Ist year and IInd year students to foster their skills in article writing. This magazine will be in regular practice.

Photo Gallery:





REPORT SESSION – January 13 (2023 –24) Activity – 12

A Report on "Overview of AR/VR Industry" (13 January 2024, Saturday)

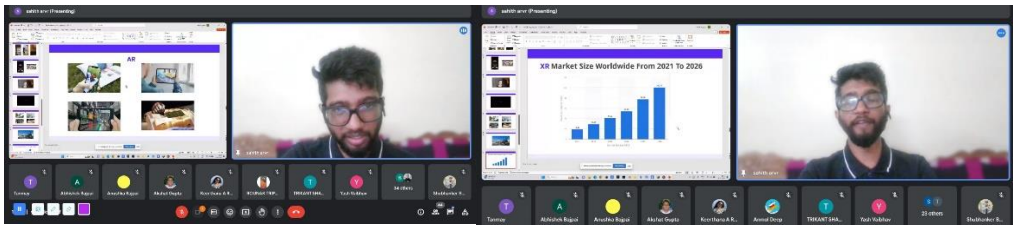
Session at a Glance:

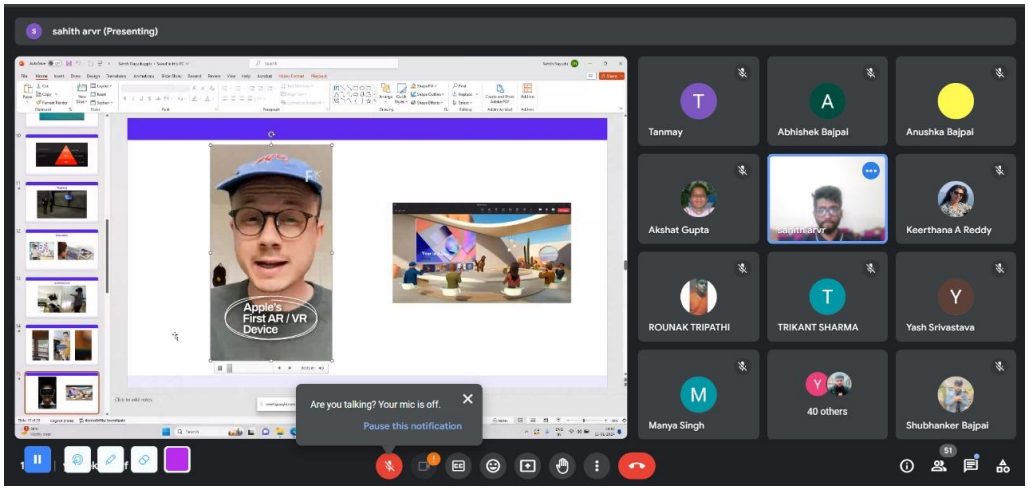
- Date: 13-01-2024, Time: 06:00 P.M. to 7:00 P.M., Venue: Online Google meet platform
- Around 100 students from all branches attended the session

Objective of the event:

The goal of this workshop was to educate young technocrats towards latest technologies which are very useful in this era.

Photo Gallery:

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Anushka Bajpai
Akshat Gupta
Keerthana A Reddy
ROUNAK TRIPATHI
TRIKANT SHARMA
Yash Srivastava
Manya Singh
40 others
Shubhanker Bajpai

REPORT SESSION – January 04 (2023 –24) Activity – 13

A Report on "MLH Fellowships and Open Source with QUIN" (4 January 2024, Thursday)

Session at a Glance:

- Date: 04-01-2024, Time: 04:00 P.M. to 05:00 P.M., Venue: Online Google meet platform
- Around 100 students from all branches attended the session

Speaker:

Ms. Akshita Gupta (MLH Fellow/XROS Fellow Meta)

Objective of the event:

The goal of this webinar to aware young technocrats towards MLH fellowships and their usefulness for shaping the career.

Photo Gallery:

REPORT SESSION – January 13 (2023 –24) Activity – 14

A Report on "Develop your skills in Article writing" (13 January 2024, Thursday)

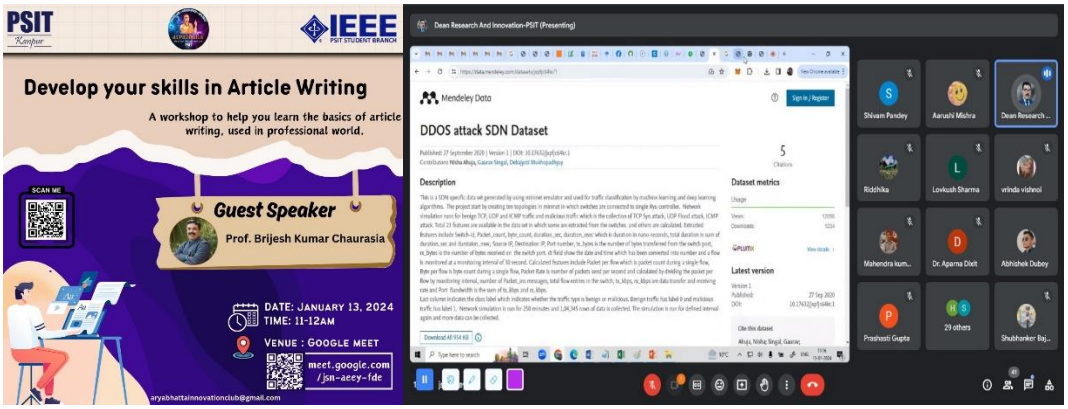
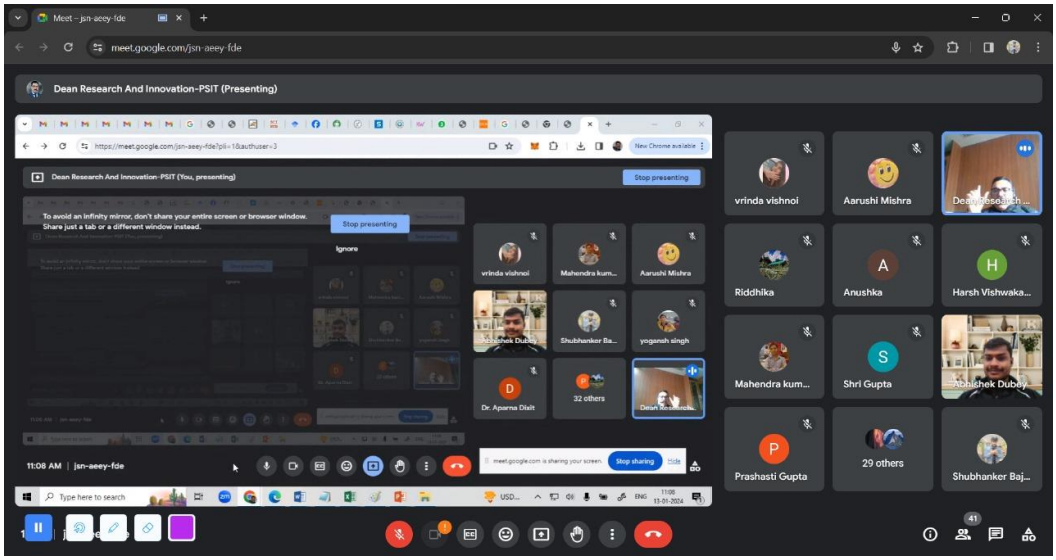
Session at a Glance:

- Date: 13-01-2024, Time: 11:00 A.M. to12:00 Noon, Venue: Online Google meet platform
- Around 50 students from all branches attended the session

Speaker:

Prof. Brijesh Chaurasia (Dean, R&I PSIT)

Objective of the event:

The goal of this webinar to aware young technocrats towards article writing and their usefulness for shaping the career.

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