

APRIL - JUNE, 2022



VOLUME 6
ISSUE 2

I U S N

IEEE UP SECTION NEWSLETTER

2022



ABOUT IEEE?

The Institute of Electrical and Electronics Engineers, Incorporated (IEEE) is a non-profit corporation, incorporated in the state of New York on 16 March 1896. The purpose of the IEEE is to engage exclusively in scientific and educational activities within the meaning of Section 501(c)(3) of the Internal Revenue Code of 1986, as amended, directed toward the advancement of the theory and practice of electrical, electronics, communications and computer engineering, as well as computer science, the allied branches of engineering and the related arts and sciences, which benefit the engineering profession and the public. As authorized by the IEEE Board of Directors, the IEEE Member and Geographic Activities Board (known as IEEE Regional Activities Board prior to 1 January 2008) approved the establishment and boundaries of the IEEE Uttar Pradesh Section on 11 May 1992. The Uttar Pradesh Section conducts activities which assist the local IEEE members to enhance their professional careers and their communities.

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Dr. Satish K. Singh **(Section Chair)**

IT Department, IIIT Allahabad

I am glad to pen for the release of Vol.2 of IEEE UP Section Newsletter 2022. It gives me profound privilege and pleasure to know that the IEEE UP Section is putting consistent, insistent, and persistent efforts to serve the people at their best.

The newsletter mirrors the different faces of development of the students and individuals in professional and technical fields thus it will be a rewarding experience for the readers.

We are organizing several professional activities, technical conferences, award nominations, etc. directed toward fulfilling the IEEE goals and objectives. I would like to thank each and everyone as this would not have been possible without their support and cooperation. I am sure that with the cooperation of all and with the blessings of the Almighty, the IEEE UP Section will continue to grow in all aspects and will explore pinnacles. I also want to convey my best wishes to the whole editorial team for their valuable efforts in bringing out this newsletter.



Dr. Yogesh K. Chauhan **(Chair-Elect)**

IIT Kanpur, Kanpur

It gives me great pleasure to write few words for our IEEE UP Section Newsletter 2022. It is exclusively meant for making the IEEE members of the section to be aware of various IEEE events and activities held during the duration, which helps in advancing the professional career of the members. The all-round progress of our IEEE UP Section members is of paramount importance and our main motto as it will help them in exploring pinnacles and empowering their future professional career. It is indeed a matter of great pride that the IEEE UP Section has made outstanding progress and is continuously working to serve the humanity through special emphasis on career building. I am sure that IEEE UP Section would make significant contributions in humanitarian & professional activities so that its members can achieve greater heights. I would like to congratulate to entire editorial team for their commendable efforts in preparation of the newsletter. I give my best wishes to IEEE UP Section for scaling bigger success and achieving newer heights in the upcoming days.



Dr. Rajat Kumar Singh (Chair)

**Electronic Communication
Activities**

It's my pleasure to present to you the second quarterly newsletter of the IEEE UP section. As the world's largest technical professional organization, IEEE offers a number of ways to get involved with technical and local communities, this newsletter being one of those ways, for which I would like to convey my sincere gratitude and thanks to the Chairman, IEEE UP Section Dr. Satish Kumar Singh, who has initiated this concept, in addition, to explore educational programs and offerings from IEEE to various other new fields. The Committee is working in three broader areas to provide details to the members: connectivity among members via social media, Section Website management, and Newsletter (Quarterly).

I would also like to express my gratitude to Prof. Rafik Ahmad, Dr. Sumit Tiwari, and his wonderful team of student volunteers who have given their valuable time to prepare this newsletter. A special thanks go to all the members for providing their tremendous input.



Prof. Rafik Ahmad Chapter Chair, Editor

**(Electronic Communication & Information Management
Activities)**

Welcome to the SECOND IEEE UP Sections Newsletter. I am blessed to present various achievements done by the IEEE UP Section in the second vol. of 2022. It's been a great honor for me to be given the opportunity to serve as the Editor of this Newsletter.

This Newsletter edition highlights the events, achievements, awards, etc. I am much thankful to Dr. Satish Kumar Singh (CHAIR), IEEE UP SECTION for giving me the opportunity to work for the IEEE UP Section. I thank all who took time from their busy schedules to volunteer and served humanity.

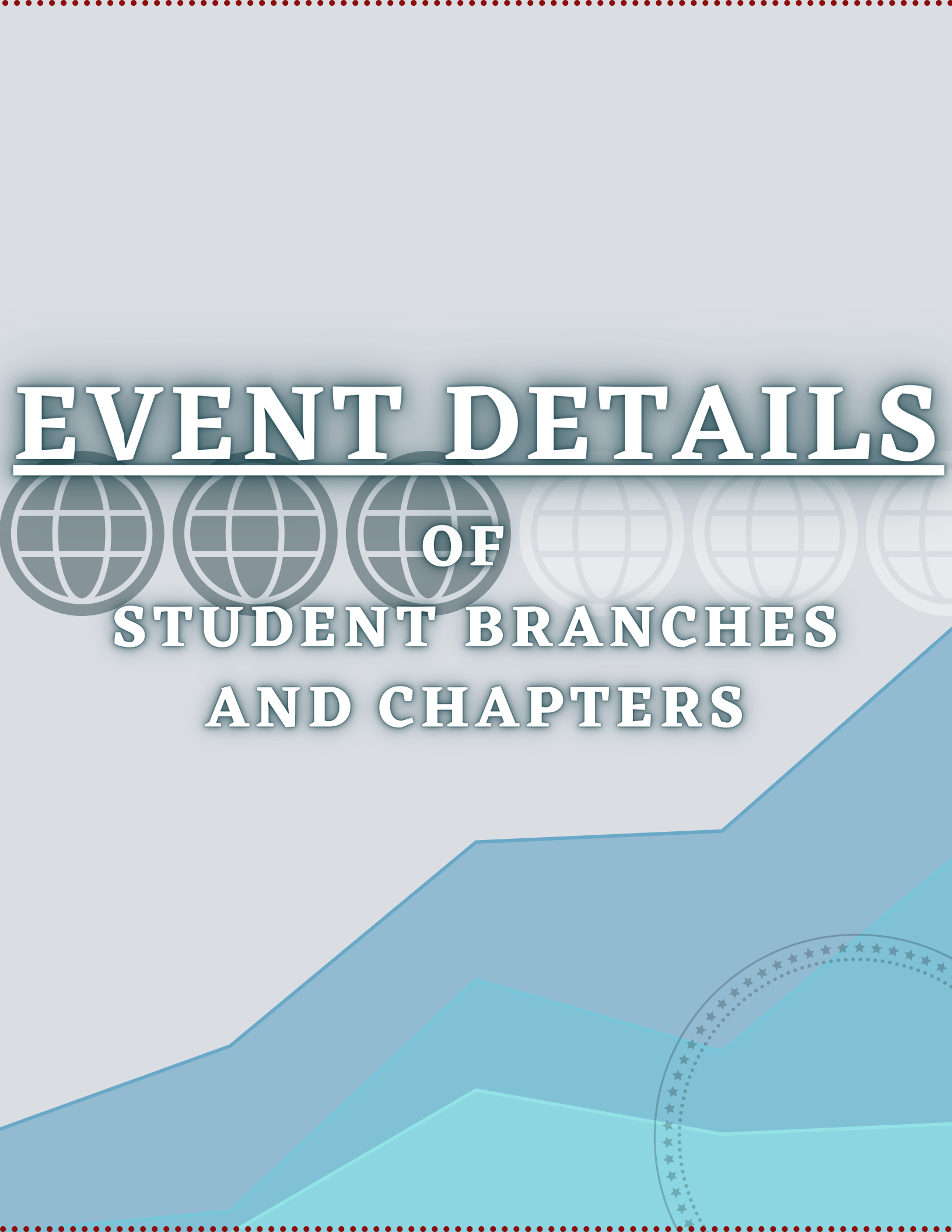
On this occasion, I also would like to express my gratitude to several members of the editorial board, especially An special thanks to my team of IEEE BBDITM. I look forward to continuing to work with my dedicated team of IEEE BBDITM. Wishing a great future.



Dr. Sumit Tiwari Editor

**(Electronic Communication & Information Management
Activities)**

It gives me great pleasure to hand you the second issue of the quarterly newsletter published by the UP branch of the IEEE. I would like to express my sincere gratitude and thanks to the Chairman, IEEE UP Section, Dr. Satish Kumar Singh, who has initiated this concept, in addition to exploring educational programmes and offerings from IEEE in a variety of other new fields. IEEE is the largest technical professional organisation in the world, and it offers a number of ways to get involved with technical and local communities. This newsletter is one of those ways. In addition, I would like to use this opportunity to show my appreciation to Professor Rafik Ahmad, Dr. Rajat Kumar Singh, and all of the student volunteers who contributed their time to the preparation of this newsletter. A particular acknowledgement and gratitude is extended to each and every member for the significant contribution they made.



EVENT DETAILS

OF

STUDENT BRANCHES AND CHAPTERS

ACTIVITIES- IEEE SB IIT BHU VARANASI

»»» Seminar on 'Development of Photonic ASICs for Optical Remote Sensing missions of ISRO'

We are very happy to inform you that IEEE MTT-S SBC IIT BHU Varanasi and IEEE Photonics SBC IIT BHU Varanasi have together organized a Seminar on 'Development of Photonic ASICs for Optical Remote Sensing missions of ISRO' dated 31st May 2022 at 11:00 hours (IST). This took place at ABLT-1 Hall of IIT BHU. The speaker of the seminar was Mr. Arup Banerjee, Scientist/Engineer-SG at Space Applications Centre, ISRO, and Head of Sensor Focal Plane Systems Division, /EOSDIG/SEDA/SAC and attended by more than 50 participants from different departments of IIT BHU.

The webinar started with a formal introduction of the speaker given by Dr. Somak Bhattacharyya, faculty advisor of IEEE MTT-S SBC IIT BHU Varanasi. Mr. Arup Banerjee started his presentation with a brief overview of optical imaging detector technologies. Mr. Banerjee took the students through the journey of development of imaging detectors, which involved process selection, device design, chip design, package design, chip characterization, chip evaluation & optimization, chip screening & qualification. Furthermore, Mr. Banerjee gave vivid details of a couple of recent developments such as active imaging (depth sensor) detector array and its performance and Hyperspectral imaging detector array. Mr. Banerjee concisely discussed the applications of design and characterisation used in optical imaging detectors technologies in ISRO as well as worldwide. At last, Mr. Banerjee ended his talk with some of his recent work related to the development of CMOS TDI array and smart optical imaging sensor for next generation. As a final point the talk was followed by some fruitful discussions where audience had raised a few clarifications and expressed their gratitude to the speaker as well as the organizer. Finally, the event was concluded with a formal vote of thanks by faculty advisor of IEEE MTT-S SBC IIT BHU Varanasi Dr. Somak Bhattacharyya and faculty advisor of IEEE Photonics SBC IIT BHU Varanasi Dr. Santanu Das.



IEEE Student Branch Chapter IIT (BHU) Varanasi

IEEE MTT-S & IEEE Photonics Society Student Branch Chapter IIT (BHU), Varanasi Presents

IEEE Photonics Society

Seminar on :
Development of Photonic ASICs for Optical Remote Sensing Missions of ISRO

Date : 31st May, 2022 Time : 11:00 am

By
Arup Banerjee
Scientist/Engineer-SG at Space Applications Centre, ISRO, and Head of Sensor Focal Plane Systems Division, /EOSDIG/SEDA/SAC



IEEE SB JIIT EVENTS

➤ **Event title - Techblocks 7.3- DSA - Day - 1**

Date - 9th May 2022

Duration - 120 Minutes

Organized at - On-campus at JIIT NOIDA Secor-62 Campus

Program type - Training Workshop

Institute of Electrical and Electronics Engineers Student Branch (IEEE), Jaypee Institute of Information Technology, Noida, in association with the WIE IEEE affinity group, JIIT Noida, organized the third iteration of its flagship event, “TechBlocks 7.3: Day-1”. It was a two-hour event in which the students, predominantly first-year, were taught in a live setting by the volunteers under the Student Branch. It covered the fundamentals of DSA, i.e, time complexity, along with the basics of Graphs. With the support from faculty and the college, the event saw an average footfall of around 150 students and turned out to be a massive success.



For Details
click me

IEEE STUDENT BRANCH REC BANDA

➤➤➤ Name of Event : Expert talk on "MATLAB simulation of AC-DC converters"

Agenda : To make students aware about the basics of MATLAB simulation.

Description

An expert talk on "MATLAB simulation of AC-DC converters" was organized by IEEE Student Branch, Rajkiya Engineering College Banda on 26th May 2022. It was successfully conducted in collaboration with the Department of Electrical Engineering Rajkiya Engineering College Banda. The purpose of the webinar was to create Basic understanding about MATLAB simulation. Head of Department of Electrical Engineering Dr. Pushpendra Singh welcomed the guest and gave a brief outlook of the purpose of the webinar. Expert on the topic Dr. Sanjiv Kumar, (Associate Professor, HBTU Kanpur) explained about the AC DC Converters and its MATLAB simulation. IEEE Dept. Coordinator Dr. Mohd. Tauseef Khan spoke about different emerging technologies and research approaches and giveaway vote of thanks. Around 30 students and faculties were present during the discussion that took place through Google Meet.

IEEE student Branch REC Banda organized following 6 events between Apr 1,2022 to June 25,2022 :

Event 1: Expert talk on "MATLAB simulation of AC-DC converters"

Event 2: One day national workshop on "IEEE Awareness"

Event 3: One day national webinar on "Sustainable Development"

Event 4: Expert talk on "Electrical Circuit Analysis using MATLAB"

Event 5: Expert talk on "Yoga for Healthy Body and Mind"

Event 6: Practice Session on Yoga & Meditation on occasion of IDY'22

IEEE Student Branch
&
Department of Electrical Engineering RECB
present
Expert Talk
on
MATLAB simulation of AC-DC converters

Dr. Sanjeev Kumar
Assistant Professor
Department of EE, HBTU Kanpur

Registration Link : <https://bit.ly/3MJln4P>

26TH MAY, 2022
11:00 AM TO 12:00 PM

Last date to register : 10:00 AM. 26th May 2022

@IEEErecbanda

**For Details
click me**

IEEE WIT STUDENT BRANCH EVENTS

INTERNATIONAL ENVIRONMENT DAY-2022

IEEE WIT STUDENT BRANCH ORGANIZED PLANTATION ON THE OCCASION OF INTERNATIONAL ENVIRONMENT DAY-2022. THIS EVENT WAS ORGANIZED ON 5TH JUNE 2022 IN THE INSTITUTE.

INTERNATIONAL YOGA DAY-2022

IEEE WIT STUDENT BRANCH ORGANIZED INTERNATIONAL YOGA DAY-2022. THIS EVENT WAS ORGANIZED ON 21ST JUNE 2022 IN THE INSTITUTE CAMPUS.

FINAL YEAR LAST EXAMINATION CELEBRATION

IEEE WIT STUDENT BRANCH CELEBRATED THE LAST EXAMINATION OF VIT ALL BRANCHES STUDENTS IN THE YEAR 2022. THIS EVENT WAS ORGANIZED ON 22ND JUNE 2022 ON THE INSTITUTE CAMPUS.

SAHAJA YOGA

IEEE WIT STUDENT BRANCH ORGANIZED THE SAHAJA YOGA. THIS EVENT WAS ORGANIZED ON 17TH JUNE 2022 THROUGH ONLINE.





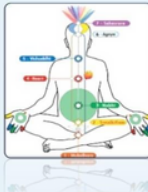
Stress Management and Wellness through Sahaja Yoga Meditation for Women's Institute of Technology, Dehradun

17 June, 2022
4.30 - 5.30 pm
(India time)

Free Online Webinar
No Registration

Join Zoom Meeting <https://tinyurl.com/34spaua8>
Meeting ID: 872 7545 0970 (Passcode: yoga)

Organized by IEEE WIT Student Branch, Dehradun



Sahaja Yoga helps us to reduce stress and boost our immune system naturally with simple meditation techniques practiced for 10 minutes everyday. Let's learn this effortless technique.



ACTIVITIES - IEEE AUUP STUDENT BRANCH LUCKNOW

IEEE Humanitarian Activities Committee
IEEE SIGHT Special Interest Group on Humanitarian Technology
AUUP LUCKNOW CAMPUS STUDENT BRANCH (STB99083)

TOPIC
BASICS OF IPR AND PATENT GRANTING PROCEDURE

DATE - APRIL 6, 2022
TIME - 2:00 - 3:00 P.M
MICROSOFT TEAMS



Technical Sponsors
IEEE AUUP Lucknow Campus Student Branch (STB99083) & IEEE SIGHT UP Section

SPEAKER
DR. ANITA SARDANA
ASSISTANT PROFESSOR
CHITKARA UNIVERSITY.

IEEE Humanitarian Activities Committee
IEEE SIGHT Special Interest Group on Humanitarian Technology
AUUP LUCKNOW CAMPUS STUDENT BRANCH (STB99083)

TOPIC
DSP AND IT'S APPLICATION

DATE - APRIL 19, 2022
TIME - 2:30 - 3:30 P.M
MICROSOFT TEAMS



Technical Sponsors
IEEE AUUP Lucknow Campus Student Branch (STB99083) & IEEE SIGHT UP Section

SPEAKER
DR. MOHAMMAD MAROOF SIDDIQUI
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
DHOFAR UNIVERSITY, OMAN

IEEE Humanitarian Activities Committee
IEEE SIGHT Special Interest Group on Humanitarian Technology
AUUP LUCKNOW CAMPUS STUDENT BRANCH (STB99083)

APRIL 22, 2022
EARTH DAY

Save the earth to save the hope of life in future



IEEE Humanitarian Activities Committee
IEEE SIGHT Special Interest Group on Humanitarian Technology
AUUP LUCKNOW CAMPUS STUDENT BRANCH (STB99083)

TOPIC
REVOLUTION IN MEDICAL FIELD THROUGH ELECTRONICS AND COMMUNICATION

DATE - APRIL 22, 2022
TIME - 4:30 - 5:30 P.M
MICROSOFT TEAMS CODE - d50x166



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ALUMNI GUEST SPEAKER
DR. MOHAMMAD MAROOF SIDDIQUI
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
DHOFAR UNIVERSITY, OMAN

IEEE Humanitarian Activities Committee
IEEE SIGHT Special Interest Group on Humanitarian Technology
AUUP LUCKNOW CAMPUS STUDENT BRANCH (STB99083)

TOPIC
Research and Innovation

DATE: MAY 27, 2022
TIME - 2:00 - 3:00
VENUE: LT 003, AB 3, ASET



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GUEST SPEAKER
Dr. Santosh Kumar Vishwakarma
Professor
Electrical Engineering
IIT Indore

IEEE Humanitarian Activities Committee
IEEE SIGHT Special Interest Group on Humanitarian Technology
AUUP LUCKNOW CAMPUS STUDENT BRANCH (STB99083)

Organized INDUSTRIAL VISIT
At **BSNL**



IEEE Humanitarian Activities Committee
IEEE SIGHT Special Interest Group on Humanitarian Technology
AUUP LUCKNOW CAMPUS STUDENT BRANCH (STB99083)

PRESENTS
IDEATHON '22

DATE - 3RD JUNE
TIME - 9:30 A.M - 1:30 P.M
VENUE - LT 310, AB3, ASET

JUDGES

Prof. Rafik Ahmad
Chapter Chair IEEE UP SECTION (R10)
88017M, Lucknow

Wg. Cdr. Dr. Anil Kumar
Assistant Pro Vice Chancellor,
Amity University Lucknow

Prof. Dr. O.P. Singh
Amity University Lucknow

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IEEE Humanitarian Activities Committee
IEEE SIGHT Special Interest Group on Humanitarian Technology
AUUP LUCKNOW CAMPUS STUDENT BRANCH (STB99083)

PRESENTS
IGNITE '22

DATE - 3RD JUNE
TIME - 1:30 P.M - 5:30 P.M
VENUE - LT 308, AB3, ASET

JUDGES

Dr. Arun Kumar Singh
Associate Professor,
REC Kanauj

Wg. Cdr. Dr. Anil Kumar
Assistant Pro Vice Chancellor,
Amity University Lucknow

Prof. Dr. O.P. Singh
Amity University Lucknow

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IEEE Humanitarian Activities Committee
IEEE SIGHT Special Interest Group on Humanitarian Technology
AUUP LUCKNOW CAMPUS STUDENT BRANCH (STB99083)

PRESENTS
QUIZ COMPETITION ON WORLD OCEAN DAY

DATE - 6TH JUNE, 2022
TIME - 04:00 P.M - 05:00 P.M
VENUE - LT 310, AB3, ASET

JUDGES

Dr. Deependra Pandey
Assistant Professor, ECE
Amity University Lucknow Campus

Dr. Sachin Kumar
Assistant Professor, ECE
Amity University Lucknow Campus

Dr. Brameh Hazare
Assistant Professor, CSE
Amity University Lucknow Campus

TECHNICAL SPONSOR
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ACTIVITIES - IEEE AMITY UNIVERSITY, NOIDA (STB07271)



INSTITUTION'S
INNOVATION
COUNCIL



AMITY UNIVERSITY
UTTAR PRADESH



IEEE

**AMITY INSTITUTE OF INFORMATION TECHNOLOGY
CELEBRATES**

NATIONAL TECHNOLOGY DAY 2022

**TITLE: "Introduction - Career Roadmap in
Technologies"**



Mr. Pradipto Chakrabarty
Regional Director (South Asia)
CompTIA



Prof. (Dr.) Rekha Agarwal
Director, AIIT
AUUP India



Prof. (Dr.) Laxmi Ahuja
Dy. Director, AIIT
AUUP India



Dr. Serika Jain
Professor, AIIT
AUUP India

Date : 11th May 2022



AMITY INSTITUTE OF INFORMATION TECNOLOGY (AIIT)

Is organising a 5 days online workshop

on

Emerging IT Technologies and Innovation

9th June - 15th June, 2022

**RANKED AMONGST
THE TOP 3%
UNIVERSITIES
GLOBALLY**

QS and THE are the world's leading
Global University Rankings Organizations






IEEE
KIT SECTION (INDIA)



AMITY
UNIVERSITY



IEEE
SIGHT



VRGD

Amity School of Engineering and Technology
IEEE Student Branch (STB07271)

Presents

IMPORTANT KNOW-HOW ABOUT RESEARCH-PAPER WRITING



E-certificates will be provided.



Sunday, 19 June 2022
04:00 - 05:00 PM IST



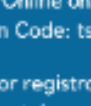
**Prof. (Dr.)
Bhuvan
Unhelkar**

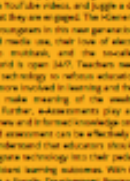
Professor, Mama College of
Business, University of South
Florida

*(Prof.) Dr. Sanjeev Thakur
Head of Department, CSE*

Join Online on MS Teams
Team Code: tspgyzb

For registration and
more information, scan:



 AMITY UNIVERSITY NOIDA	AMITY ACADEMIC STAFF COLLEGE	 IEEE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
PRESENTS FIVE DAYS ONLINE FACULTY DEVELOPMENT PROGRAMME ON TECHNOLOGY FOR TEACHING AND ASSESSMENT OF I-GENERATION AS A PART OF UGC'S GURU DAKSHITA 27 JUNE - 01 JULY 2022		
		
ABOUT THE PROGRAMME The Digital India Campaign is helping to transform the entire nation into a digitally empowered society and knowledge economy. While education plays a critical role in this transformation technology will play an essential role in improving educational processes and outcomes, thus, the relationship between technology and education is bidirectional. Technology is all about engagement. Watching the internet lights up youngsters' faces as they play video games, chat all day long, stream YouTube videos, surf social media sites, and enjoy a wide webworld of it all, we can see that they are engaged. The Generation is immersed in technology. The programs in this new generation are driven by their desire to learn, which has led to the rise of electronic communication, their need to multitask, and the societal e-generation. Their technology used is smart (IoT). Teachers need to take advantage of their love of technology to infuse education. In doing so, teachers give students more involved in learning and thus up classroom time to help them make the most of the wealth of information accumulating there. Further, advancements play a vital role in providing educators with access to greater knowledge on how this alternative technologically-based assessment can be effectively used for learning. It is important to understand that educators should not "teach with technology" but "teach through technology" into their pedagogy to attain more powerful and efficient learning outcomes. With these goals in mind, we are organizing a Faculty Development Programme (FDP) to ensure that this constant framework will enhance the use of technology tools in teaching capability and assessment.		
OBJECTIVE OF THE FDP Encourage participants to use the potential of technology in teaching and assessment.		
LEARNING OUTCOMES The Faculty Development Program aims to enable the teachers to: • Understand and appreciate the potential of technology in teaching and learning. • Make use of technology for assessment and evaluation practices. • Create content and deliver instruction to mass of students in online mode. • Update oneself with latest developments in technology and use them for educational purposes. • Learn how to use Flipchart, Smartboard, Smartwhiteboard etc.		
DURATION AND MODE OF CONDUCT • As per the official guidelines of Ministry of Education, Faculty Development Programme will be spread over five days comprising of 30 hrs, including online classes in synchronous mode, project work, assignments, quizzes, presentations, and hands-on sessions. • The mode of conduct for the FDP is online.		
WHO CAN ATTEND? • All faculty members of Amity Academic Staff College and other		

PES DAY CELEBRATION - IEEE BBDITM STB

DAY 1

Name of Event : Project Exhibition

Agenda : The competition's goals was to inspire young engineers to engage in industry-oriented research and to provide students with the opportunity to cultivate their innovative ideas and entrepreneurial abilities.

To assist students in obtaining feedback from industry experts in order to further develop recognised projects, which may eventually become new and innovative industrial processes or products, giving them a competitive advantage.

Description : Project exhibition is a regular activity that takes place every semester. Students had to choose a projects in all the courses and were asked to exhibit their work in front of our judges. It took place in two phases: first the students presented their presentation and then explained their ideas with the help of a prototype.

The Project Exhibition was divided into 3 phases : Hardware, Software and Ideathon.

In hardware the participants explained there project with the help of a model.

In Software the the participants explained there projects by showing a running state program.

In Ideathon the participants just presented there Idea with help of a presentation.

Category:- Technical

Sub- Category-NIL

Date- April 26,2022

Time : 12:00 PM to 2:00 PM

Venue : E-Block 5th Floor, Room no.507 ,BBDITM, Lucknow

PES DAY CELEBRATION - IEEE BBDITM STB

DAY 2

Name of Event : Agree to Disagree

Agenda : The major goal of this competition was to provide kids a platform to express themselves. This activity helped the participants overcome their fears and improve their personalities.

Description : We had with us brilliant students who took part in the debate competition and shared their views on the given topic - LITERACY, A Social Action. Two participants were paired into a team. Each team was handed over a state and they had to present their views on the respective topic related to that particular state. The judges asked questions to the participants related to the topic and the participants' views. Each team was given a minimum of 5 minutes and a maximum of 7 minutes. They had to present their views in the given time only.

DAY 3

Name of Event : Award ceremony

Agenda : The major goal of this award ceremony was to encourage the participants and make them feel that their work is valued. It shows approval and gratitude for each person's good job, and makes people aware that good work will be rewarded.

Description : After two days successful event, on the third day it was award ceremony to encourage the participants. we provided the award for winners and participation certificate to all the participants. The 1st position holders of the project exhibition (Hardware and Software both) and Ideathon got INR 2000; 2nd position got INR 1000.

Debate competition winners awarded by trophies and other exciting prizes. All the participants got the participation certificate.

Category:- Non-Technical

Sub- Category-NIL

Date- April 27,2022

Venue : E-Block 5th Floor, Room no.507 ,BBDITM, Lucknow



IEEE PES BBDITM in collaboration with IEEE BBDITM SB and IEEE UP SECTION is organizing "AGREE TO DISAGREE", a debate competition, on the occasion of 5th PES DAY, on 27th April, 2022.

TOPIC: POWERING A SUSTAINABLE FUTURE



STUDENT COORDINATORS

- AVIRAL DAS SRIVASTAVA
CHAIRPERSON, IEEE BBDITM SB
- AVI ADARWAL
CHAIRPERSON, IEEE PES BBDITM

GENERAL INSTRUCTIONS FOR THE DEBATE COMPETITION:

- There must be a minimum of 2 participants and a maximum of 3 participants in a team.
- Each team will represent the state of India. The state will be allotted on-spot. Eg: Uttar Pradesh.
- There will be no entry fee for this competition.

[@ieeebdtm](#)

Date- April 28,2022

Timing- 02:00pm- 03:00pm

Venue- E-Block 5th Floor
Room no. 507, BBDITM,
Lucknow

RENEWABLE ENERGY FOR SUSTAINABLE DEVELOPMENT- IEEE BBDITM STB

DESCRIPTION-

The event was conducted by IEEE BBDITM in collaboration with IEEE BBDITM SPS Society and IEEE SIGHT Group on 08th July, 2022

at 01:00 - 02:00 pm through Google meet platform. (<https://meet.google.com/mgq-gpbq-chn>) on the topic "Renewable energy for sustainable development"

Dr. Jyotsna Singh, director, Institute of New and Renewable energy, Lucknow University, Lucknow, was the speaker of the day.

The event was conducted to throw light on renewable energy for sustainable development i.e how the use of renewable energy will help to maintain life cycle and how we can conserve the resources for our future generation

BABU BANARASI DAS
INSTITUTE OF TECHNOLOGY AND MANAGEMENT

IEEE BBDITM
Student Branch

IEEE SIGHT
Special Interest Group on
Image and Graphics Technology

IEEE
Signal
Processing

IEEE BBDITM student branch in collaboration
with IEEE BBDITM Signal processing society and
IEEE BBDITM SIGHT

Is organizing

Talk on "Renewable Energy for Sustainable
Development"

Dr. Jyotsna Singh
Director, Institute of New and
Renewable Energy, Lucknow
University, Lucknow

On-08th July

From 01:00pm to
02:00pm

<https://edu.ieee.org/in-bbditm/>

- **Date: 08 Jul 2022**
- **Time: 01:00 PM to 02:00 PM**
- **All times are (UTC+05:30) Chennai**

AWARD & ACHIEVEMENTS



6/21/22, 10:46 AM

Indian Institute of Technology (BHU) Varanasi, India Mail - MTT-S Outstanding Chapter Award



Email Services
IIT(BHU)

Centenary Celebrations

Dr. Somak Bhattacharyya <somakbhattacharyya.ece@iitbhu.ac.in>

MTT-S Outstanding Chapter Award

daniel.pasquet@ensea.fr <daniel.pasquet@ensea.fr>

Sat, May 14, 2022 at 6:11 PM

Reply-To: daniel.pasquet@ensea.fr

To: somakbhattacharyya ece <somakbhattacharyya.ece@iitbhu.ac.in>

Dear Dr. Somak Bhattacharyya,

It is my pleasure to inform you that the MTT-S SBC IIT(BHU), Varanasi chapter has been awarded as an Outstanding chapter. Please accept my congratulations.

The Chapter will be granted an official IEEE MTT-S plaque as well as the opportunity to publish a report in the IEEE Microwave Magazine describing its main achievements.

The plaque will be given during one of the upcoming Chapter Chairs Meetings.

In order to prepare the plaque, could you please answer as soon as possible the following questions:

- what is the exact name of your chapter?
- who was chapter chair in 2021?
- which Chapter Chairs Meeting do you prefer to get the plaque (IMS in Denver, EuMW in Milan, MAPCON in Bangalore)?

I am available for any further information.

Congratulations

Best regards

Daniel Pasquet

MGA committee vice chair in charge of Outstanding Chapter Award

--

Daniel Pasquet

Professeur émérite

Life Senior IEEE

d.pasquet@ieee.org

MTT-S AdCom member

ENSEA

6, avenue du Ponceau

CS20707

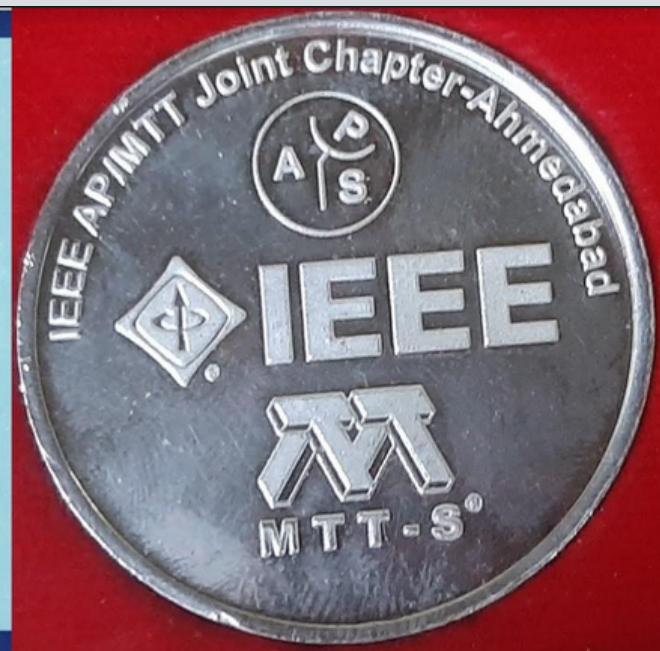
95014 CERGI, France

AWARD & ACHIEVEMENTS

➤➤➤ **Dr. Somak Bhattacharyya has been elected as a prestigious Fellow of Antenna Test and Measurement Society India since 2022.**

Dr. Somak Bhattacharyya has received the Innovation Award in Microwave Field-2021 from IEEE AP/MTT Joint Chapter Gujarat Section

Dr. Somak Bhattacharyya has been included as the only representative from India in the prestigious Speaker's Bureau program in IEEE MTT Society (https://mtt.org/speakers_bureau/).



AWARD & ACHIEVEMENTS

➤ **Hitansh Dwivedi** of IEEE BBDITM Student Branch have been selected in the list of top 20 Pes Day Ambassador across all Regions
Hitansh Dwivedi has been selected as the Public and Relation team lead for Uttar Pradesh Section at IEEE XTREME 16.0

IEEE Xtreme 16.0 - Invitation for Section Lead Ambassador Offer (Uttar Pradesh Section)



Varghese Babu 18 Jun
to me, adwaith, indrajith

Dear Hitansh Dwivedi,

Myself Varghese Babu. It is with great pleasure that I am addressing you in this email as the Region 10 Lead for IEEE Xtreme 16.0.

On behalf of Team IEEE Xtreme, I would like to inform you that you have been selected to be a part of the IEEE Xtreme 16.0 Public Relations Team as the Section Lead for Uttar Pradesh Section. IEEE Xtreme is a global challenge in which teams of IEEE Student members—advised and proctored by an IEEE member, and often supported by an IEEE Student Branch—compete in a 24-hour time span against each other to solve a set of programming problems.

We had a huge number of responses coming from across the globe this year for the ambassador program and after a lot of efforts, we now believe that we have selected the right people for the role. Your roles and responsibilities would remain similar to your current role of ambassador with opportunities for additional volunteering and leadership.

For any further details or questions, you may reach out to me via email/phone. Looking forward to building yet another powerful edition of IEEE Xtreme with you!

Congratulations, once again!

Regards,

Varghese Babu
+91 75940 78165
varghesebabu@ieee.org
Region 10 Lead - IEEE Xtreme 16.0

IEEE PES Day 2022

THE BEST AMBASSADOR CHALLENGE!!



Top 20 ambassadors of IEEE PES Day 2022 (in alphabetical order)

- | | |
|------------------------------------|---------------------------------------|
| 1. Adluri Srikar | 11. Malath Ghazal |
| 2. Carmen Victoria Cornejo Huatuco | 12. Sharmin Akter |
| 3. Danial Farajzadeh | 13. Nure Alam Sakib |
| 4. Ezekiel Aneke | 14. Pedro Nicolás Yannoulas Fausto |
| 5. Gaurav Pathak | 15. Prajapati Dhavalbhai Shaileshbhai |
| 6. Guadalupe Ramirez | 16. Sai Kumar Reddy Datla |
| 7. Hitansh Dwivedi | 17. Saif Aldeen Saad Obayes Alkadhim |
| 8. K.M. Samiul Islam | 18. Shrabani Das |
| 9. Madhu Valavala | 19. Sudipto Ghosh |
| 10. Maharin Afroj | 20. Syeda Fizza Shoaib Zaidi |



f t y o g i n /ieeepesday

TECHNICAL ARTICLE

TRANSFORMATION OF ARTIFICIAL INTELLIGENCE THROUGHOUT THE YEARS

BY JAYESHA MALHOTRA

INTRODUCTION

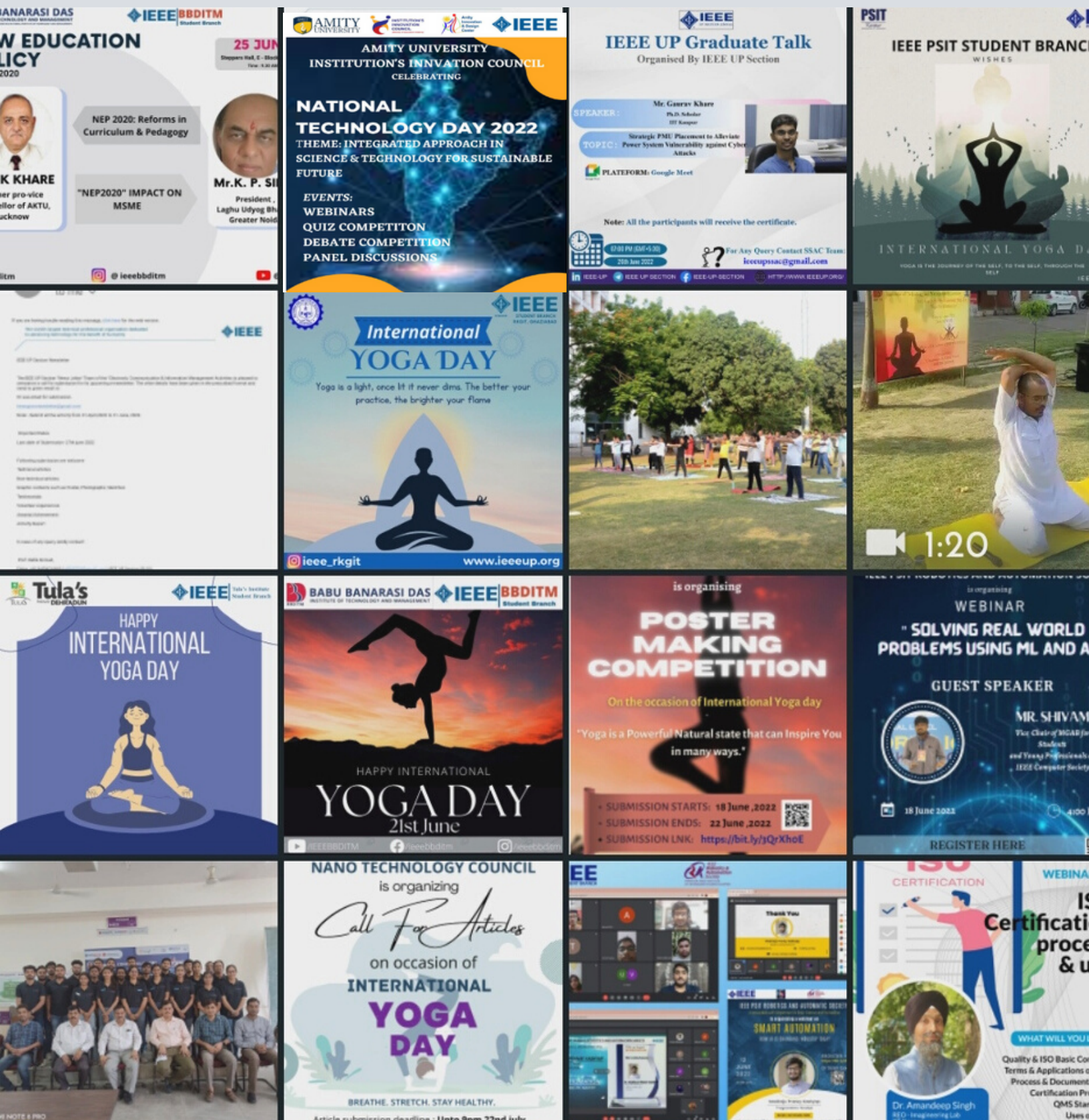
Artificial intelligence (AI) is a technique for training a computer, a robot, or a device to think creatively like a human. It is the analysis of how the human brain functions while attempting to solve issues. The study's eventual product is intelligent application software. AI seeks to enhance computer abilities that are connected to human understanding, such as problem solving, learning, and reasoning.

Presently, AI is employed in practically every industry, offering businesses that adopt it widely a technological advantage. In comparison to previous research methods, AI has the ability to add 50% more economic benefit to the banking industry and 600 billion dollars of value to the retail industry.

The first initiatives to characterise human consciousness as a symbolic system by classical thinkers are where artificial intelligence (AI) got its start. The phrase "artificial intelligence" was first used in a conference at Dartmouth College in Hanover, New Hampshire, in 1956, but the field of AI was not fully established until then. It wasn't easy, nevertheless, to create an artificially intelligent being. Public money and interest in the subject declined following multiple publications that criticised the advancement of AI; this time frame, from 1974 to 1980, came to be known as the "AI winter." Later, the field was revitalised in the 1980s when the British government began supporting it once more, partly to counteract Japanese advances.

In a nutshell, AI provides cutting-edge technology to deal with complex data that a human being cannot handle. AI automates redundant jobs allowing a worker to focus on the high level, value-added tasks. When AI is implemented at scale, it leads to cost reduction and revenue increase.

[For Details
click me](#)



[illegible]

IEEE
young professionals
Region 10

Call For Nominations

**IEEE Region 10
Young Professionals Awards**

- * Outstanding Section Affinity Group Award.
- * Outstanding Volunteer Award.

Deadline: 20 May, 2022



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"Some of the college experiences are uncommendable and IEEE is one of them."



SAYED MOHD. KAZIM ABIDI, CHAIR IEEE SPS BBDITM LUCKNOW

"IEEE BBDITM gave me brilliant opportunities at extracurricular all the while keeping them educational and relevant to my future aspirations, it was an amazing experience and will always have its place in my heart"



SHAMBHAVI, VICE CHAIR IEEE BBDITM LUCKNOW

"If it scares, it's your sign to do it. No one is a born genius, it's our efforts and the thirst to learn that makes us brilliant."



HITANSH DWIVEDI, VICE-CHAIR IEEE CSS BBDITM LUCKNOW
IEEE BRAND AMBASSADOR-2022

*"I Heartfully thanks to all the editorial board of IEEE UP SECTION Newsletter to provide such a great opportunity.
IEEE also provided me various opportunities at My Branch, Section, National and International level , to gain my skills, buildup good connections across the globe , help needy person and also supported in my academics. "*

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