



## EDITOR'S NOTE

*Greetings from Team IMPULSE Pulse of ECE!*

*The editorial board is glad to release the first issue of "IMPULSE - Pulse of ECE", E-Newsletter of the Department of Electronics and Communication Engineering.*

*It is a technical platform to bring out the hidden talents of students and faculties of our department.*

*This inaugural issue is a brief account of the activities and accomplishments of the department. In addition, it informs readers about recent departmental events, such as student and staff accomplishments, as well as the latest departmental news. The editorial board accepts suggestions and comments to improve the quality of the newsletter. This is just a small step towards a long journey.*

*We would like to extend our sincere thanks to Dr T D Subash, Head of the Department of Electronics and Communication Engineering for his constant support and guidance that he has rendered in making this newsletter a reality. He pushed us to improve the content of the newsletter. We extend our thanks to the management and faculty members of VISAT for their kind and continued support in the progress of the department.*

*We hope you enjoy this edition as much as we enjoyed creating it!!!*

*Editors*

*Asst. Prof. Hima K*

*Asst. Prof. Reshma VP*

*Asst. Prof. Arya Krishnan*

*"A good editor is someone who cares a little less about the author's needs than the reader's"*

## DEPARTMENT VISION

To be a front-runner in preparing technically competent and ethically responsible electronics professionals capable to meet the needs of society.

## DEPARTMENT MISSION

We are committed to

1. Provide value-based education incorporating hands-on training and industry interactions.
2. Establish state-of-the-art resources to enhance research in Electronics Engineering and allied fields.
3. Inculcate moral and ethical values among staff members and students.

## MEET THE TEAM

### FACULTY COORDINATOR

Dr. TD Subash, Prof. & HOD ECE

### FACULTY IN CHARGE

Asst. Prof. Hima.K, ECE Department

### EDITORS

Asst. Prof. Reshma VP, ECE Department

Asst. Prof. Arya Krishnan, ECE Department

### DESIGN COORDINATOR

Sonu Sunil (Student S7 ECE)

**Coming together is a beginning; keeping together is progress; working together is success. - Edward Everett Hale**

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**“Don't take rest after your first victory because if you fail in second, more lips are waiting to say that your first victory was just luck.” – Dr APJ Abdul Kalam**

## TECHNICAL NEWS

### SEA LI-ION PROJECT AIMS TO ELECTRIFY MARITIME TRANSPORTATION

Sea Li-ion, a project co-financed by the Connecting Europe Facility of the European Union, analyses and maps novel concepts and environmentally friendly answers to advance the electrification of the maritime industry. The project's main goal is to use energy storage to supplement existing shore power installations in order to address the shore power shortage and bottlenecks.

The project's goal is to increase the environmental friendliness, energy efficiency, adaptability, and competitiveness of maritime transportation while maintaining the highest levels of safety. These actions are an essential stage in bringing the project to fruition since they will enable all project participants to evaluate the advantages and disadvantages of a new technology.

Many ship owners, today, are thinking in using batteries for propulsion. However, the availability of shore-side electricity, the slow charging rate, and the capacity for it are what are preventing them. The partners in the Sea Li-ion project took on the issue of filling knowledge gaps that still exist about the use of batteries for ship propulsion because they were driven by the need to drastically reduce the environmental effect on a critical route.

Together, the participants have fulfilled four activities:

1. Designing the energy storage system (ESS) to be used in ports
2. Determining how easily lithium-ion batteries can be recycled
3. Evaluating how the ESSs will affect the electrical grid
4. Business case for ESS in ports.
5. In addition to the above-mentioned activities, a number of workshops have been held, some of which dealt with the assessment of the safety and dangers associated with energy storage in diverse port contexts. Collaboration has been crucial, with the Rescue Service and RISE being two examples.
6. On the Port of Gothenburg, a commercial case study for electric ferries and ESS was done. The outcomes demonstrated that there is now enough power. However, installing an ESS in the port offers chances to release power for alternative uses. The ESS might be utilized to support the grid or other services because it would only be required for a few hours each day to charge the ferry. 5% of all the electricity used in Gothenburg is utilized to charge one ship.



**“Education is the passport to the future, for tomorrow belongs to those who prepare for it today.” - Malcolm X**

# TECHNICAL EVENTS ORGANIZED

## 1. WORKSHOP ON ROBOTICS

A two-day workshop on “Robotics” was conducted by Robotics Club under Electronics and Communication Engineering Department in association with IEDC on 27<sup>th</sup>, 28<sup>th</sup> June 2022 at Robotics and Automation Lab at VISAT Engineering College. The workshop was inaugurated by Retd. Wing Commander Pramod Nair, Director,



VISAT Group of Institutions. Ajith Prasad and Arun Prasad, Directors of Techsoul Systems were the resource persons. Dr. Anoop K J, Principal, VISAT Engineering College, Prof P S Subin, Registrar, Mrs. Shyama M Former HoD of ECE, Asst. Prof. Arya Krishnan, Robotics Club VISAT and Sonu Sunil, Student Coordinator of Robotics Club VISAT were lightened the ceremony.



## 2. TRY ENGINEERING AND STEM OUTREACH PROGRAMME


IEEE Photonics Society hosted Try Engineering and STEM Outreach Programme@ VISAT Engineering College, Ernakulam, Kerala, India on 23rd July 2022. Dr TD Subash, Global Strategy Representative for India, IEEE Photonics Society, USA inaugurated the program and emphasise the importance of Try Engineering and IEEE membership benefits to the higher Secondary school Teachers and students. The workshop session started by the welcome speech from Shyama M,

former HOD Department of ECE. These programs are aimed at creating interests among higher secondary school children in STEM education. Teachers and students from nearby schools participated in the programme. Sessions on Robotics, Coding procedures in electronic devices were taught on Arduino Boards. Interactive Question & answers Session was held followed by “Robo Car Making Competition” from the Robo Kit provided. The sessions ended with vote of thanks.


# FUND SANCTIONED


1. **AICTE** Sanctioned **INR 4 Lakhs** for 2023 IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology” (5NANO2023) technically co-sponsored by IEEE Photonics Society, USA scheduled on 27<sup>th</sup> & 28<sup>th</sup> April, 2023.
2. **SERB – DST** Sanctioned **INR 3 Lakhs** for 2023 IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology” (5NANO2023) technically co-sponsored by IEEE Photonics Society, USA scheduled on 27<sup>th</sup> & 28<sup>th</sup> April, 2023.

27TH & 28TH APRIL 2023




**Prof. Wladyslaw Grabinski**  
MOS AK Association  
Switzerland







**Dr. Chennupati Jagadish**  
Australian National University  
Australia  
IEEE Photonics Society  
President 2018-2019




**Dr. Sabu Thomas**  
Vice Chancellor  
Mahatma Gandhi University  
Kerala, India



**Dr. Lance Chun Che Fung**  
Murdoch University, Australia  
IEEE Region 10 Director



**Dr. James E. Morris**  
Portland State University, USA  
IEEE Nanotechnology Council  
President 2020-2021




## IEEE 5NANO 2023

**AICTE Sponsored**  
2023 IEEE International Conference  
on Nanoelectronics, Nanophotonics  
Nanomaterials, Nanobioscience &  
Nanotechnology

**Host**  
IEEE Photonics Society  
Student Chapter,  
VISAT Engineering College  
Ernakulam, Kerala


Grab your entries here  
[@bit.ly/3D2rVrh](https://bit.ly/3D2rVrh)

Manuscript must be in the format  
MS word/IEEE format




**Travel Grant Award:**  
5NANO 2023 invites students & faculty members working in the relevant fields of Nanoscience & Nanotechnology for applying for the Travel Grant Programme. 5NANO2023 has been offering partial or full support for travel to students & teachers of various Indian academic institutions.

**Publications:**  
All accepted and presented papers will be submitted for inclusion in IEEE Xplore



**Lt. Dr. TD.Subash**

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Snano2k23@gmail.com



SCAN ME

[www.Snano2023.com](http://www.Snano2023.com)

**Success is the sum of small efforts, repeated day-in and day-out. -  
Robert Collier**

# INVITED TALKS

**IEEE Madras Section**  
Organizes

Technical Meeting On

**DESIGN OF SOLAR SYSTEM FOR YOUR HOME: BEGINNERS**

**SPEAKER**

**LIEUTENANT DR. T D SUBASH**  
DEAN RESEARCH & INNOVATION  
VISAT ENGINEERING COLLEGE, ERNAKULAM, KERALA

REGISTER HERE  
<https://tinyurl.com/IEEEEMASTMI>

15 DECEMBER 2022  
7:30 PM - 8:30 PM IST

Dr. K. Porkumaran  
CHAIR, IEEE MAS

Dr. R. Hariprakash  
SECRETARY, IEEE MAS

Mr. M. Arun  
CHAIR, IEEE MAS YP

IEEE MAS

1. Dr Subash has delivered a talk on “Design of Solar System for your Home: Beginners” hosted by IEEE Madras Section, Tamilnadu, India held on 15<sup>th</sup> December, 2022.

2. Dr Subash has delivered a talk on “Past and Future of Micro/Nano Electronic Devices” hosted by Mangalore University, Karnataka, India held on 8<sup>th</sup> December, 2022.
3. Dr Subash has delivered a talk on “Past and Future of Micro/Nano Electronic Devices” in the Webinar Series hosted by IEEE Photonics Society Bangladesh Chapter & Bangladesh University held on 4<sup>th</sup> November, 2022
4. Dr Subash has delivered a talk on “Career Opportunities in Photonics” on 12<sup>th</sup> October, 2022 at Sahrdaya College of Engineering & Technology, Thrissur, Kerala, India.

**MANGALORE UNIVERSITY**  
Accredited by 'NAAC'

Department of Electronics,  
Mangalore University IEEE Student Branch

Lecture Series -2  
Past & Future of Micro/Nano Electronic Devices

Date: 08/12/2022,  
Time: 2pm-3:30pm

PROF. P S YADAPADITHAYA  
HON'BLE VICE CHANCELLOR,  
MANGALORE UNIVERSITY

PROF. KISHORE KUMAR  
REGISTRAR,  
MANGALORE UNIVERSITY

PROF. A M KHAN  
CHAIRMAN

DR. AMBRESH P A  
MU IEEE BRANCH COUNSELOR  
MU IEEE SB Student Chair: Ms. Monisha  
MU IEEE SB Student Vice-Chair: Ms. Deekshitha

**LIEUTENANT DR. T D SUBASH**  
DEAN, RESEARCH & INNOVATION  
VISAT ENGINEERING COLLEGE  
ERNAKULAM, KERALA, INDIA

**Mangalore University**  
ACCREDITED BY 'NAAC'

IEEE Mangalore Subsection

**Certificate OF APPRECIATION**  
PROUDLY PRESENTED TO

**Lt. Dr. T D Subash**  
Dean, Research & Innovation  
VISAT Engineering College, Ernakulam, Kerala

For being the Expert Speaker in the IEEE Lecture series - Webinar on the topic "Past & Future of Micro/Nano Electronics Devices" Organized by Department of Electronics, Mangalore University and Mangalore University IEEE Student Branch (MU IEEE SB) on 08/12/2022.

DR. AMBRESH P AMBALGI  
ASST. PROFESSOR &  
MU IEEE STUDENT BRANCH COUNSELOR,  
MANGALORE UNIVERSITY

PROF. A M KHAN  
CHAIRMAN  
DEPARTMENT OF ELECTRONICS  
MANGALORE UNIVERSITY

\*\*\*\*\*  
EXPERT  
SPEAKER  
\*\*\*\*\*

# RESEARCH CONTRIBUTIONS INTERNATIONAL JOURNAL PUBLICATION

1. T D Subha, C Arunachala Perumal, **T D Subash** & K J Jeepa, 2022, “A hybrid technique employed for efficiency improvement of tandem perovskite solar cell”, Journal of Progress in Photovoltaics: Research and Applications (Wiley), vol.1, no.20, pp.1-8, ISSN: 1099 – 159X, Impact Factor: 8.490 (**SCI Indexed**).

# NATIONAL/INTERNATIONAL CONFERENCE/WORKSHOP/ SEMINAR PARTICIPATION

1. Dr Subash has successfully completed the designated training and become Energy Swaraj Warrior of the Energy Swaraj Foundation on 18<sup>th</sup> August 2022.

2. Dr Subash has participated in the IP Awareness / Training Program under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION organized by Intellectual Property Office, India held on 5<sup>th</sup> August 2022.
3. Mrs. Anjana G and Ms. Reshma VP attended Faculty Development Programme on “CST Antenna Simulation Software” organized by Department of Electronics and Communication Engineering of Mar Baselious Christian College of Engineering and Technology Peermade on 3<sup>rd</sup> November 2022.
4. Mrs Shyama M, Ms Indhu Chandran, Mrs. Anjana G, Ms. Reshma V P and Mrs Arya Krishnan has participated in the one day National workshop on” Research Methodology Writing Effecting Research Articles and Funding Proposals” organized by IQAC VISAT Engineering College on 10<sup>th</sup> October 2022.
5. Sonu Sunil, S6 ECE, attended two days workshop on “Robotic Process Automation” at St. Joseph’s College of Engineering and Technology, Pala.
6. Sonu Sunil, S6 ECE attended one week Internship Training in “Cloud Computing” at Soften Technologies.

We don't have to engage in grand,  
heroic actions to participate  
in the process of change.  
**Small acts, when multiplied by millions  
of people, can transform the world.**

– Howard Zinn





## ACHIEVEMENTS

1. Ms. Anjana G and Ms. Reshma V P completed training on Internal Audit of Management Systems as per ISO 21001:2018 standard and qualified as an Internal Auditor.
2. Christy Baby, Sivapriya S & T D Subash, "Study of Various Methods for the Preparation of Perovskite Light Absorbing Layer" in the National Conference on Recent Trends in Materials Science and Technology (NCMST - 2022) scheduled on 28<sup>th</sup> – 30<sup>th</sup> December 2022 in collaboration with Materials Research Society India (MRSI), Thiruvananthapuram Chapter and The Society of Polymer Science India (SPSI), Thiruvananthapuram Chapter hosted by Indian Institute of Space Science & Technology (IIST), Thiruvananthapuram, Kerala, India.
3. Krishnapriya M U, Faseena Shameer & T D Subash, "Study of Structure of Working principle of Perovskite Solar Cell" in the National Conference on Recent Trends in Materials Science and Technology (NCMST - 2022) scheduled on 28<sup>th</sup> – 30<sup>th</sup> December 2022 in collaboration with Materials Research Society India (MRSI), Thiruvananthapuram Chapter and The Society of Polymer Science India (SPSI), Thiruvananthapuram Chapter hosted by Indian Institute of Space Science & Technology (IIST), Thiruvananthapuram, Kerala, India.
4. Nandhana Das & T D Subash, "Utilizing Mesoporous Materials in Perovskite Solar Cell" in the National Conference on Recent Trends in Materials Science and Technology (NCMST - 2022) scheduled on 28<sup>th</sup> – 30<sup>th</sup> December 2022 in collaboration with Materials Research Society India (MRSI), Thiruvananthapuram Chapter and The Society of Polymer Science India (SPSI), Thiruvananthapuram Chapter hosted by Indian Institute of Space Science & Technology (IIST), Thiruvananthapuram, Kerala, India.
5. Karthik K P, Joel Mathew, Sreehari K & T D Subash, "Impact of Triple Halide Mixed MaPb in Perovskite Solar Cells" in the National Conference on Recent Trends in Materials Science and Technology (NCMST - 2022) scheduled on 28<sup>th</sup> – 30<sup>th</sup> December 2022 in collaboration with Materials Research Society India (MRSI), Thiruvananthapuram Chapter and The Society of Polymer Science India (SPSI), Thiruvananthapuram Chapter hosted by Indian Institute of Space Science & Technology (IIST), Thiruvananthapuram, Kerala, India.

**Education is not the filling of a pot but the lighting of a fire. - W.B. Yeats**



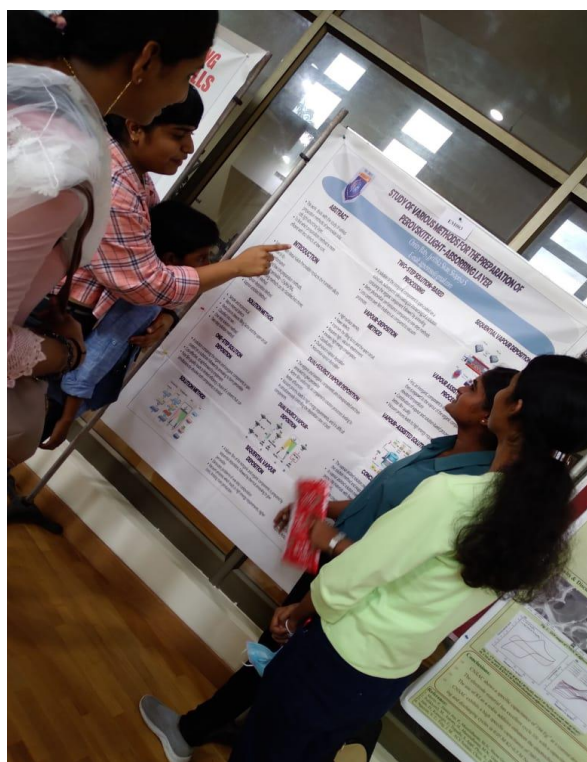
# Indian Institute of Space Science and Technology

Declared as Deemed to be University under Section 3 of the UGC Act, 1956

An autonomous institute under Department of Space, Govt. of India



## Students presenting their research findings at Indian Institute of Space Science & Technology (IIST) Trivandrum on 28<sup>th</sup> December – 30<sup>th</sup> December 2022



# STUDY CORNER

## The 75th Anniversary of the Invention of the Transistor

The year 1905 is well known as the “Miracle Year” because Albert Einstein published four papers that changed the laws of physics and were significant contributions to the foundation of modern physics. Similarly, November 1947 – January 1948 were the three magical months that paved the way for modern-day electronics. This was done by three brilliant scientists who were members of the Mervin Kelly’s Solid State Physics Group and Semiconductor Sub-Group at Bell Labs, which were given the challenging task of creating a solid-state semiconductor switch that could replace the vacuum tube.

The famous physicists - Walter Brattain and John Bardeen managed to make the first working transistor, now known as the point-contact transistor. The invention was made on December 16, 1947. A week after that, the device was officially demonstrated to Bell Labs executives as a “magnificent Christmas present.” In January 1948, William Shockley demonstrated the junction transistor. All three received The Nobel Prize in Physics (1956) and as per Nobel Prize Committee - "In 1947 John Bardeen and Walter Brattain produced a semiconductor amplifier, which was further developed by William Shockley. The component was named a "transistor."

Prior to the transistor’s invention, racks and in some cases rooms full of

hardware components were required to power thermionic tube-based communication and computing devices. The advent of the tiny, solid-state transistor meant that these devices could eventually be shrunk to the pocket-sized and smaller form factors we currently enjoy. The semiconductor chips housed in today’s lightweight and portable electronic devices can contain transistors numbering into the billions.

Functionally, the transistor is designed for two uses. A transistor can regulate and amplify the flow of an electrical signal leveraging the property of gain to achieve higher output power. Or it can function as a switch, turning current on or off within a circuit (another feature later embraced by Bell Labs after years of reliance on human switchboard operators to establish telephone connections).

Today, the MOSFET (metal-oxide-semiconductor field-effect transistor) is the most widely utilized type of transistor. To provide a sense of the scale and pervasiveness of transistor technology today – and its impact on society, from global connectivity to commerce to space travel – it’s estimated that MOSFETs are the most numerous produced artificial objects ever in recorded human history, with more than 13 sextillion manufactured as of 2018.



# 75<sup>TH</sup> |

## ANNIVERSARY | TRANSISTOR

**We can't solve problems by using the same kind of thinking we used when we created them. - Albert Einstein**



# Student's Corner

## A BEAUTIFUL NIGHTMARE

Life is beautiful for those,  
 Life is resplendent only for those,  
 Life is a exquisite dream just only for them  
 The "them", the "those" are who being loved  
 by someone  
 Those who have a hand to hold,  
 Have a hand to wipe their tears...  
 Then what is life?  
 For them who don't have any hands to hold,  
 For those whose sadness don't even  
 recognize by anyone,  
 To those who don't even care by anyone,  
 To those who not even noticed by anyone  
 even they disappear,  
 Life is a nightmare,  
 A horrifying dream haunting them every  
 night.  
 Can't get through it...  
 It's heavy to hold...  
 Running hard...far away...  
 To get rid of everything...  
 "Everything will be alright". Who says?  
 It's only possible for "them". Whom?  
 For those have that hand...  
 Hand to hold...  
 To hold you tight.  
 One day everything will be over  
 No more sadness  
 No more worries

No more loneliness  
 An end of all nightmares  
 Just silence...  
 Just a deep silence  
 Cold but peaceful  
 Would anyone will notice that silence  
 Maybe  
 That day, maybe you have many hands to  
 hold you  
 Many to cry for you, maybe  
 What is life for me?  
 Is that a beautiful nightmare?  
 Have many hands to hold  
 But are those being just illusions?  
 Why you just make me feel special to you?  
 And then why you leave me?  
 To the world, to the beautiful nightmare,  
 You can't just let anyone feel special and  
 just leave  
 Please don't...  
 You see me smiling  
 But you'll never know me until you walk in  
 my shoes...  
 I wish you let me to hold your hands  
 At least for once...

**Christy Baby**

**S1, ECE**

**Education is the kindling of a flame, not the filling of a vessel. – Socrates**

# FORTHCOMING EVENTS

1. Two days National workshop on “Public Financial Management System (PFMS)’ in collaboration with Ministry of Finance, Govt. of India on 23<sup>rd</sup> & 24<sup>th</sup> February, 2023 hosted by VISAT Engineering College, Ernakulam, Kerala, India. (Resource Person: **Mr. S. Francis**, Senior Accounts Officer (Training & Capacity Building) PFMS Division, Ministry of Finance, Government of India, Public Financial Management System (PFMS), New Delhi).
2. AICTE Sponsored 2023 IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology” (5NANO2023) technically co-sponsored by IEEE Photonics Society, USA organized by IEEE Photonics Society Student Chapter VISAT Engineering College, Ernakulam, Kerala, India held on 27<sup>th</sup> & 28<sup>th</sup> April, 2023.



**VISAT ENGINEERING COLLEGE**  
MANAGED BY UNISYS GROUP OF COMPANIES  
ERNAKULAM - KERALA

TWO DAYS WORKSHOP ON  
**PFMS**  
PUBLIC FINANCIAL MANAGEMENT SYSTEM  
learning @ Cruise hosted by VISAT Engineering College  
In Collaboration with PFMS, Ministry of Finance,  
Government of India, New Delhi

**23<sup>rd</sup> & 24<sup>th</sup>  
FEBRUARY 2023**

TOPICS TO BE COVERED

- PFMS Hands on Training
- Fund Management, User Management, Vendor Management, Expenditure Filing (EAT Module), Payment Module & Reports
- EAT, TSA, CNA, SNA
- Case Study & Discussion specific to Colleges and Universities

Registration link -----> 

Last Date for Registration: 20th January 2023

Registration Fee - **Rs. 5000/-** per staff  
Certificate and Working Lunch will be provided



**Mr. S. FRANCIS**  
Senior Accounts Officer  
(Training & Capacity Building)  
PFMS Division, Ministry of Finance  
Government of India - Public Financial  
Management System (PFMS), New Delhi

For detail  
**Dr. T. D. Subas**  
Dean, Research & Development  
VISAT Engineering College  
Ernakulam, Kerala, Ind  
Contact No: +91948688133  
Email id: deanresearch@visat.ac

Venue -  
**Day 1:** VISAT Engineering College,  
Ernakulam, Kerala  
**Day 2:** House Boat (Alleppey)  
<https://www.alleppeyhouseboat.org/>







**International Conference on Nanoelectronics, Nanophotonics, Nanomaterials,  
Nanobioscience & Nanotechnology (5NANO 2023)**

*- platform for researchers*

Technically Cosponsored by  
IEEE Photonics Society, USA

Hosted by  
IEEE Photonics Society Student Chapter  
**VISAT Engineering College**  
Elanji, Ernakulam, Kerala, India - 686 665.

27<sup>th</sup> & 28<sup>th</sup> April, 2023

## WEEKLY WEBINAR SERIES

“The great aim of education is not knowledge but action.” - Herbert Spencer

Every Week Department is hosting Webinars in association with IEEE

**Niketa Dedhia** is with **LtdrSubash TD.** 3 minutes ago

Giving back your best to the society is the essence of life for me.

Interaction with 85 VISAT Engineering students of the IEEE chapter on the NEW AGE CAREERS and the route they can use to funnel their growth towards their success.... See more

Like Comment Share

**Onam with Sneha Mohandoss**  
**Founder Food Bank - India**  
 Recognized Women Achiever by Indian Prime Minister

**Festival of Kindness**  
 10th September 2022  
 7.30 PM

Register - <https://bit.ly/3wEQtEH>

Contact -  
 Minnu Kiran - 7306197329  
 Ashwin - 8606603230

**ONLINE WEBINAR**  
**TCS NQT PREPARATION**

**SATURDAY**  
 27 AUGUST

**TIME**  
 7.30 PM

**REGISTER**  
[bit.ly/3chNXru](https://bit.ly/3chNXru)

**MEET**  
[bit.ly/3bFXbmx](https://bit.ly/3bFXbmx)

**NAMAN GUPTA**  
 ASSISTANT SYSTEM ENGINEER,  
 TATA CONSULTANCY SERVICES, GURUGRAM

MINNUKIRAN : 7306197329  
 ASWIN : 8606603230

**IEEE POTENTIAL & ADVANCING TECHNOLOGY TO BENEFITS HUMAN**

**SATURDAY**  
 20 AUGUST 2022

**TIME**  
 7.30 PM

**REGISTER**  
[bit.ly/3e6MHwT](https://bit.ly/3e6MHwT)



**MEET**  
[bit.ly/3bFXbmx](https://bit.ly/3bFXbmx)

**TABIL AHAMMED**

Marketing Lead, IEEE PES DAY  
 Secretary, IEEE Photonics Society Bangladesh Chapter

MinnuKiran : 7306197329  
 Aswin : 8606603230

A person who never made a mistake never tried anything new. - Albert Einstein

## ROLE OF MACHINE LEARNING IN DATA SCIENCE



GOOGLEMEET

DEC, 7



7:30PM

**REGISTER NOW**

[BIT.LY/3H7W69A](https://bit.ly/3H7W69A)

**DR.CHITRA A.DHAWALE**

Professor, Data Science  
Christ University, Lavasa, Pune

Self Financing Engineering College with NCC Army Unit




## IGNITING THE IMAGINATION POWER



Speaker :

**Dr. Inderpreet Kaur**

Director, GREAT Alliance Foundation, India

21 DEC 2022

7.30 PM



**Register Now**

[Bit.ly/3Pzi3LQ](https://bit.ly/3Pzi3LQ)




Self Financing Engineering College with NCC Army Unit




IEEE Student Branch  
VISAT Engineering College presents  
Webinar on

## IEEE IN THE EYES OF STUDENTS VS PROFESSIONALS

**WEDNESDAY**  
**30 NOV 2022**  
**7.30 PM**

**REGISTER NOW**

[bit.ly/3CGMcmg](https://bit.ly/3CGMcmg)



**KITHINJI MURIUNGI**

AVP Chapter Relations, IEEE Photonics Society, USA

Sreakant : 9744844214  
MinnuKiran: 73061 97329





Self Financing Engineering College with NCC Army Unit

**IEEE STUDENT BRANCH VISAT ENGINEERING COLLEGE PRESENTS WEBINAR ON...**


## THRIVING TOWARDS GREEN ENERGY: SOLAR AND BATTERY STORAGE SYSTEM

"The Future is Green  
Energy,Sustainability, Renewable Energy"

**SATURDAY**  
**12 NOV 2022**  
**7.30 PM**  
**GMT +5:30 HOURS**

**REGISTER NOW**

[HTTPS://BIT.LY/3ELJSHZ](https://bit.ly/3ELJSHZ)






**KASIPANDIAN KASIRAJAN**

Working as Senior Lecturer in Faculty of Engineering, Built Environment and IT, MAHSA University, Malaysia.

Sreakant: 9744844214  
MinnuKiran: 73061 97329

[www.visat.ac.in/](http://www.visat.ac.in/) / Contact - 8320031888, 8320032888, 8320033888

Self Financing Engineering College with NCC Army Unit



**Learn from yesterday, live for today, hope for tomorrow. The important thing is not to stop questioning. - Albert Einstein**



## IEEE Student Chapters

### IEEE Student Chapters under the IEEE Student Branch of VISAT Engineering College

1. IEEE Photonics Society Student Chapter – SBC 60208150
2. IEEE SIGHT Student Chapter - SBA 60208150S
3. IEEE Biometrics Council Student Chapter Chair - SBC 60208150C
4. IEEE Nanotechnology Council Student Chapter Chair - SBC 60208150A
5. IEEE Sensors Council Student Chapter Chair - SBC 60208150B
6. IEEE Systems Council Student Chapter Chair- SBC 60208150D
7. IEEE Solid-State Circuits Society Student Branch Chapter - SBC 60208150G
8. IEEE Council on Electronic Design Automation Student Chapter Chair - SBC 60208150F
9. IEEE Council on Superconductivity Student Chapter Chair - SBC 60208150E
10. IEEE Vehicular Technology Student Chapter - SBC 60208150H



**Success is to be measured not so much by the position that one has reached in life as by the obstacles which he has overcome. - Booker T. Washington**

## MEMORANDUM OF UNDERSTANDING SIGNED



**MSME-Technology Development Centre (PPDC Agra, Ministry of Micro, Small and Medium Enterprises (MSME), Government of India** inked Memorandum of Understanding (MoU) on Education, training and research collaborations on 18<sup>th</sup> July 2022

## INTERNATIONAL COLLABORATIONS

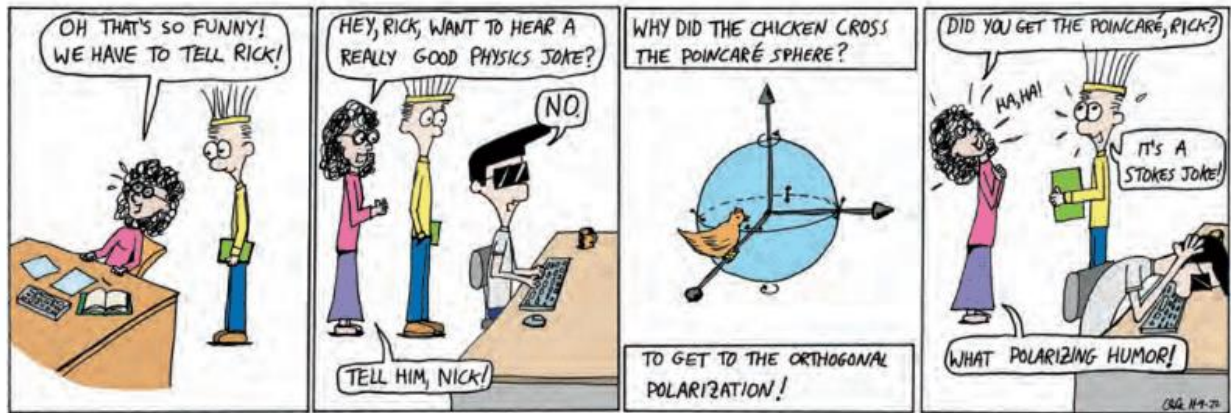
### Research Collaborations

- ❖ Geneva Modeling Center, Switzerland
- ❖ Cairo University, Egypt
- ❖ Universiti Brunei Darussalam, Brunei
- ❖ MAHSA University, Malaysia

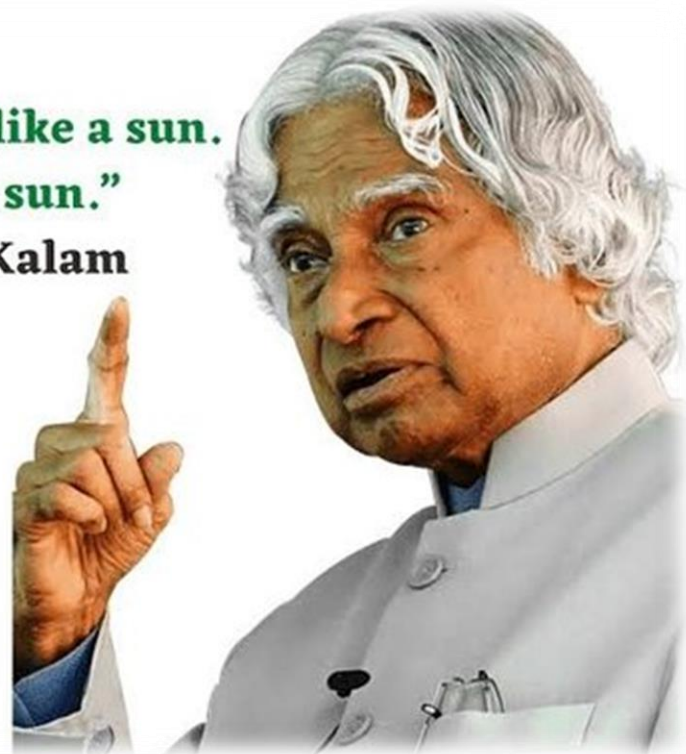
### Sponsored Projects

- **Project Title: Characterizing and Forecasting the performance of floating Solar systems with different PV technologies under Bruneian Environment**  
Grant No. UBD/RSCH/1.3/FICBF(b)/2022/016 (External Collaborator from India)  
**Funding Agency / Schemes: UNIVERSITI BRUNEI DARUSSALAM - FIT Research Grant (2022)**  
Fund Sanctioned: B\$ 29, 500, INR. 16,50, 000 lakhs

**Change is the end result of all true learning. - Leo Buscaglia**



**“If you want to shine like a sun.  
First, burn like a sun.”  
– Dr. APJ Abdul Kalam**



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[asst-prof-hima@visat.ac.in](mailto:asst-prof-hima@visat.ac.in)**

**Don't aim for success if you want it; just do what you love and believe in, and it will come naturally. - David Frost**