Report for workshop and seminar conducted

1. **Workshop on "Intellectual Property Rights (IPR) & Patent and Design Filing" under National Intellectual Property Awareness Mission (NIPAM) in association with Ministry of Commerce and Industry, Government of India**

IEEE Photonics Society Student Chapter of VISAT Engineering College a Workshop on "Intellectual Property Rights (IPR) & Patent and Design Filing" under National Intellectual Property Awareness Mission (NIPAM) in association with Ministry of Commerce and Industry, Government of India on 5th August, 2022. Speaker of the day is Smt. Devika R Nair, Examiner of Patents and Designs, Intellectual Property Office under DPIIT, Ministry of Commerce and Industry, Government of India. Dr Anoop K J Principal, VISAT Engineering College welcomed the gathering and introduced the resource person. Smt. Devika Nair highlighted the importance of filing patents, patent application process and fee structure as well as validity of the patents. Dr. T D Subash, IEEE Photonics Society Global Representative of India delivered the Vote of thanks.

2. **Meeting with ITCA Academy for Student Nanosatellite Project**

IEEE Photonics Society Student Chapter of VISAT Engineering College had a meeting with ITCA Academy related to the launching of Student Nanosatellite mission under 75 Student Satellite project of ISRO, Govt. of India on 13th August, 2022. Dr Subash Coordinated event. IEEE & amp; Non-IEEE members participated.

3. **National workshop on Research methodology- writing effective research articles & funding proposals**

IEEE Photonics Society Student Chapter VISAT Engineering College hosted One day National Level Workshop on Research Methodology – Writing Effective Research articles & Funding Proposals on 10th October 2022. Dr. Arunachala Perumal, Professor, SA Engineering College, Chennai delivered the talk on writing effective funding proposals. IEEE & Non-IEEE members participated. Session mainly focused on Question & answers. It becomes more engaging with resource people.

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4. Orientation – INTRODUCTION TO IEDC

IEDC VISAT organized an orientation session for students about IEDC on 31st October 2022 (Time: 1pm to 4pm). The session by Mr. Stervin John gave students a clear idea on IEDC and it's role in helping students to convert their business ideas into startups and also, he shared his personal experience in building up his startup. It was a great inspiration for the students. The program also included ice breaker sessions which engaged the students in many fun activities.

5. Webinar on "Why Entrepreneurship"

IEDC VISAT organized a webinar for students about the importance of Entrepreneurship on 28th December 2022 . The session by Mr. Eibel S Mathew gave students a clear idea about the importance of Entrepreneurship. It was a good helping session for the students. Session mainly focused on Question & answers. It becomes more engaging with resource people.

6. Webinar on "Intro of Command Line and GIT"

IEEE Photonics Society Student Chapter VISAT Engineering College hosted a Webinar on Intro of Command Line and Git on 4th January 2023. Ms. Chaitanya Liz, NSS Engineering College, Palakkad, Kerala, India interacted with the volunteers of the IEEE Photonics Society Student Chapter. IEEE &Non-IEEE members participated. The session mainly focused on Questions & answers. It becomes more engaging with resource people.

7. Luminary Lecture on Employability & Skill Development

IEEE Photonics Society Student Chapter VISAT Engineering College hosted a Luminary Lecture on10thJanuary 2023. Mr. Joe Lalson Plathottam, Project Engineer, Sea Blue Shipyard Ltd, Ernakulam, Kerala, India interacted with the volunteers of IEEE Photonics Society Student Chapter. IEEE &Non-IEEE members participated. Session mainly focused on Question & answers. It becomes more engaging with resource people.

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8. **Webinar on "Cloud Computing"**

IEEE Photonics Society Student Chapter VISAT Engineering College hosted a Webinar on Cloud Computing on 11th January 2023. Mr. Justin Kalappura, Mr. Sajo Sam, REG MCA, Kerala, India interacted with the volunteers of IEEE Photonics Society Student Chapter. IEEE & Non-IEEE members participated. Session mainly focused on Question & answers. It becomes more engaging with resource people.

9. **Hands on Training Workshop on Solar Cell Simulator**

IEEE Photonics Society Student Chapter VISAT Engineering College hosted a Hands-on Training Workshop on Solar Cell Simulator on 16th January 2023. Ms. Jeepa K J Research Scholar, Kerala Technological University, Kerala, India interacted with the volunteers of IEEE Photonics Society Student Chapter. IEEE &Non-IEEE members participated. Session mainly focused on Question & answers. It becomes more engaging with resource people.

10. **Try Engineering and STEM outreach activities**

IEEE Photonics Society Student Chapter VISAT Engineering College hosted Try Engineering and STEM outreach activities on 18th January 2023. 86 high school students visited VISAT campus and learned robotics, also interacted with the volunteers of IEEE Photonics Society Student Chapter. IEEE &Non-IEEE members participated. Session mainly focused on Question & answers. Finally a mini project development contest also organized and the participants are honored with certificates.

11. **Webinar on "Innovation through IEDC Ecosystem"**

IEEE Photonics Society Student Chapter VISAT Engineering College hosted a Webinar on Innovation through IEDC Eco system on 19th January 2023. Mr. Abi Varghese, Convenor, Maker hub, Amal Jyothi IEDC, Kerala, India interacted with the volunteers of IEEE Photonics Society Student Chapter. IEEE &Non-IEEE members participated. Session mainly focused on Question & answers. It becomes more engaging with resource people.

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12. Webinar on "Roots to Projects"

IEEE Photonics Society Student Chapter VISAT Engineering College hosted a Webinar on Roots to Projects on 25th January 2023. Mr. Jomon Thomas George, IEEE Comsoc Chair, Kerala, India interacted with the volunteers of IEEE Photonics Society Student Chapter. IEEE &Non-IEEE members participated. Session mainly focused on Question & answers. It becomes more engaging with resource people.

13. Intellectual Property Rights (IPR) & Patent and Design filing

IEEE Photonics Society Student Chapter VISAT Engineering College hosted a Seminar on IPR filing on 30th January 2023. Mr. Anoop K Joy, Deputy Controllers of Patents, Indian Patent Office interacted with the volunteers of IEEE Photonics Society Student Chapter. IEEE &Non-IEEE members participated. Session mainly focused on Question & answers. It becomes more engaging with resource people.

14. Webinar on "Robotics & Career Opportunities"

IEEE Photonics Society Student Chapter VISAT Engineering College hosted a Webinar on Robotics & Career Opportunities on 1st February 2023. Mr. Muhammed A, CO Founder Autobonics Pvt Ltd, Kerala interacted with the volunteers of IEEE Photonics Society Student Chapter. IEEE &Non-IEEE members participated. Session mainly focused on Question & answers. It becomes more engaging with resource people.

15. Webinar on "AI/ML as the future of IoT"

IEEE Photonics Society Student Chapter VISAT Engineering College hosted a Webinar on AI/ML future of IoT on 8th February 2023. Mr. Alsufiyan Nazim, Embedded Software Engineer, Eoxys Pvt Ltd, Bangalore, India interacted with the volunteers of IEEE Photonics Society Student Chapter. IEEE & Non-IEEE members participated. Session mainly focused on Question & answers. It becomes more engaging with resource people.

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16. Talk session on " Introduction to Ideation, Innovation and Incubation"

IEDC VISAT conducted a talk session on " Introduction to Ideation, innovation and incubation" on 31st March 2023 at the College Seminar hall. The resource person of the event was Mr Abi Varghese, Convener, Makerhub, Amal Jyothi IEDC. The morning session aims to provide an overview about ideation, innovation, entrepreneurship and incubation. It is an opportunity for us to bring new ideas to life and also provide a space for entrepreneurs to test their concept. The Afternoon session is dedicated to train newly elected IEDC panel members.

17. IEEE International Conference

IEEE PHOTONICS SOCIETY OF VISAT Engineering College organized an IEEE International Conference IEEE 5 Nano 2023 on 27th and 28th April 2023. Nano electronics, nano-photonics, nanomaterials, nano-bioscience, and nanotechnology all were able to be explored at the same spot.

18. Talk Session – "Entrepreneurial Journey"

IEDC VISAT organized an online talk session on "Entrepreneurial journey and motivation" on 22th May, 2023 by Aiju T Biju, CEO , Wecodelife. It was a good helping session for the students. Session mainly focused on Question & answers. It becomes more engaging with resource people.

19. Drone Ideathon & Workshop: Innovative Idea Pitching Competition

The Drone Ideathone event at VISAT Engineering College was a resounding success, fostering innovation and collaboration among the participants. The event provided a platform for aspiring drone enthusiasts to showcase their creativity, technical skills, and entrepreneurial spirit. The winning teams not only received recognition and prizes but also had the opportunity to further develop their ideas and potentially bring them to the market,

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contributing to the advancement of drone technology and its applications in various industries. This event serves as a testament to the potential of young minds to drive technological advancements, and it is hoped that future editions of the Drone Ideathon will continue to inspire innovation in the field of drones.

20. Webinar on "Innovation, Incubation and Acceleration"

IEDC VISAT organized a webinar via google meet on Innovation, Incubation & Acceleration on 28th January 2022 (Time: 7pm to 8pm IST). The session was delivered by Mr. Ajin Omanakuttan (CEO & Founder of Aptinnov Labs Pvt Ltd.). The session consisted of Entrepreneurship talk, Registration of Startups and Possible Funding schemes.

21. Robotics Workshop

IEDC VISAT in association with "ROBOTICS CLUB" organized a two-day Robotics Workshop on 27th and 28th June 2022 (Time: 9:00 am to 4:00pm). The resource persons were Mr. Ajith Prasad and Mr. Arun Prasad from Tech soul System.

22. Webinar on "STARTUP: ISSUES & CHALLENGES"

IEDC VISAT conducted a webinar on " STARTUP: ISSUES AND CHALLENGES" on 6th August 2020 at 10 am. The resource person of the day was Mr. Varun P Nair, Founder and CEO Infinitz IT Solutions. During this session the resource person focused mainly on how Startups play a pivotal role in driving innovation, creating jobs and fostering economic growth and what are the common issues and challenges faced in this entrepreneur journey.

23. Intercollege Webinar on "ROBOTICS & COMPUTER VISION"

IEDC VISAT organized an Inter college webinar on "Robotics & Computer Vision" on 12th September 2020 (time: 10:00am to 11:00 am) where the audience were given a chance to know about robotics and given a chance to leap into the various advancements in the

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field like autonomous Robots works. The resource person of the day was Mr Vipulnath, Founder and CEO LEAP.

24. Intercollege Webinar on "INDUSTRIAL IOT & ARTIFICIAL INTELLIGENCE"

IEEE Photonics Society Student Chapter VISAT Engineering College hosted a Webinar on AI/ML future of IoT on 8th February 2023. Mr. Alsufiyan Nazim, Embedded Software Engineer, Eoxys Pvt Ltd, Bangalore, India interacted with the volunteers of IEEE Photonics Society Student Chapter. IEEE & Non-IEEE members participated. Session mainly focused on Question & answers. It becomes more engaging with resource people.

25. Inter-college Webinar on "MACHINE LEARNING"

IEDC VISAT organized the inter-college webinar on *MACHINE LEARNING* on 26th September 2020 (Time: 10am to 11am) via google meet. The resource person of the event was Ms. Jesna Joseph, Chief AI Engineer, LEAP.

26. IDEATHON 2021

IEDC VISAT organized Ideathon 2021 from January 11th to January 15th. This event created a platform for students to enhance their innovation skills and create ideas for various technical startups.

27. 3 Day Workshop on "PYTHON"

IEDC VISAT organized the 3 Day Workshop, from May 31st 2021 to June 2nd 2021 (Time: 10am to 11am), on *PYTHON* which is one of the top leading developer languages in this world. The resource persons of the event were Mr Justin Joseph (Chief Technical Officer, IEDC VISAT) and Ms. Aswathy Suresh (Chief Financial Officer, IEDC VISAT).

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28. 3 Day Workshop on Robotics

IEDC VISAT in association with Kerala Startup Mission (KSUM) organized a 3 Day Workshop (with certificates) on Robotics on May 24th, 25th, 26th, 2021 (Time: 10am to 11am). The Resource Person of the event was Akash Joseph (CEO & Founder, SPACE). During this session the audience got to know about Robotics in general and it's advancements like AI integration, applications in various fields like healthcare, manufacturing and space explorations.

29. Expert Talk on "Blockchain Technology"

IEDC VISAT organized Expert Talk on Blockchain Technology on 9th March, 2020. The resource person of the event were Mr. Gigo Joseph and he briefly explained the importance of Blockchain Technology. Session mainly focused on Question & answers. It becomes more engaging with resource people.

30. FOSS (Free and Open-Source Software) Workshop

The FOSS (Free and Open-Source Software) workshop was done by CSE Department on behalf of the Innovation and Entrepreneurship Development Cell (IEDC) of VISAT, in association with the International Centre for Free and Open-Source Software (ICFOSS) for S3 students. The workshop was taken by Asst. Prof. Jestin Joy of FISAT. The two day workshop on "FOSS" was conducted on 26th and 27th of October 2018.

31. Workshop on "Free and Open-source software"

VISAT Women Hackathon 2018 organized a Workshop on Free and Open-source software on 16th & 17th November, 2018. The workshop associated with International center for Free and Open source software.

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32. Workshop on "Matlab Simulink"

Department of Electrical and Electronics Engineering organized Workshop on Matlab Simulink on 26th & 27th February, 2019. Session mainly focused on Question & answers. It becomes more engaging with resource people.

33. Tech talk: A session with alumnus

The department of Computer Science and Engineering organized a session with alumni on 23rd March, 2019. Alumnus from VISAT share their experiences and make the session more interactive.