AMRITA VISHWA VIDYAPEETHAM
DEEMED TO BE UNIVERSITY

DeepLearning.AI

IntelIoT Club

AMRITA VISHWA VIDYAPEETHAM, COIMBATORE

Join the Future of Technology

-Building the Next Generation of Innovators-

ABOUT US

At Intel IoT Club, our mission is to empower and nurture students who are eager to engage with developer communities and drive innovation in the fields of IoT and AI.

We believe that the key to solving real-world problems lies in collaboration and knowledge-sharing, which is why we offer a variety of Events, Workshops, Industrial Trainings and resources that enable our students to deepen their skills and stay up-to-date with the latest hardware and software solutions by Intel.

Our IoT track, in particular, is designed to provide students with hands-on experience and practical knowledge that can help them tackle complex challenges and develop impactful projects. Join us and be part of a community that is passionate about learning, creativity, and social impact!

Join us today and become part of a dynamic community of learners, creators, and problem solvers!

OPENVINO TRAINING SESSION

7 FEB 2022

WEBINAR

ONLINE

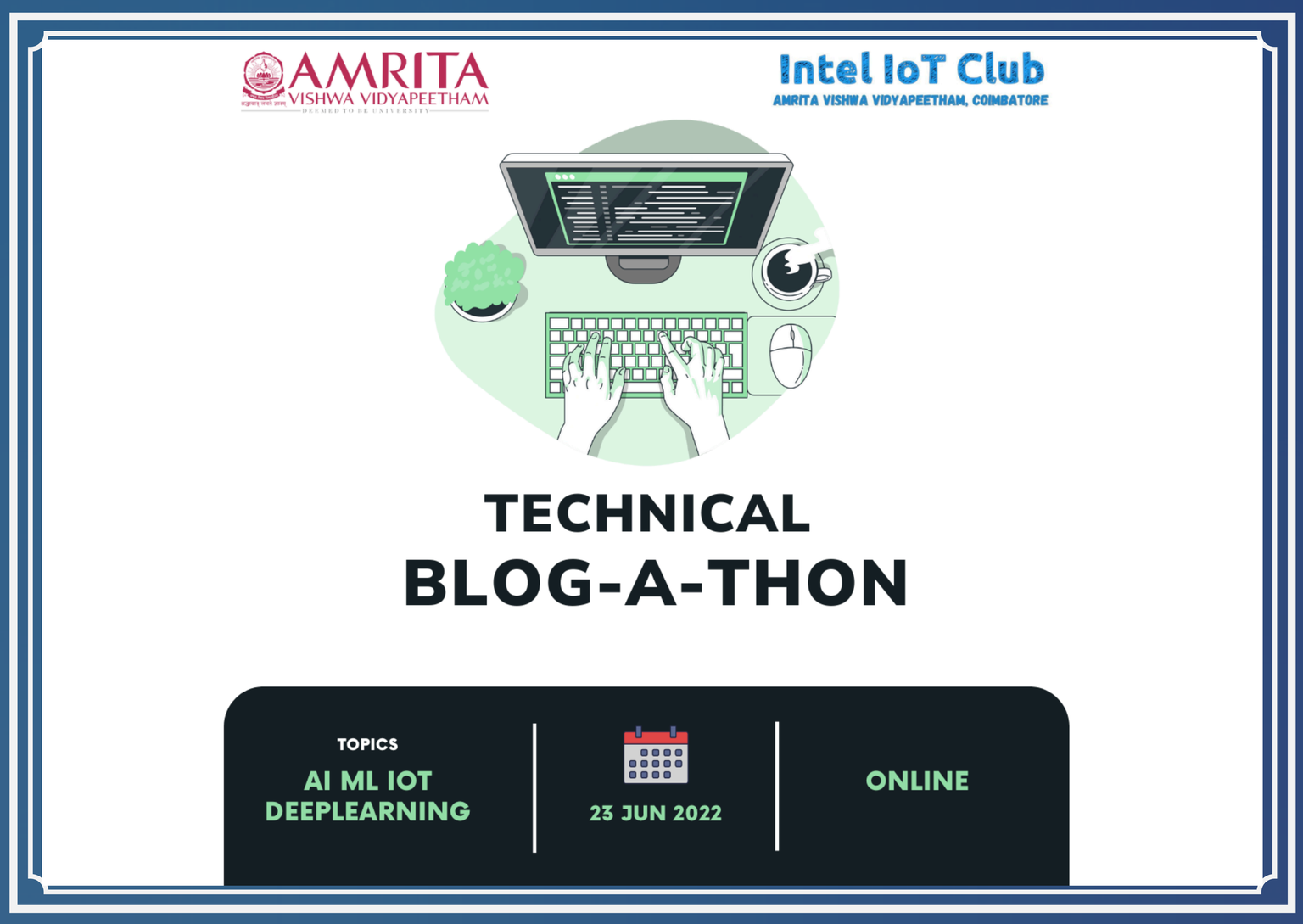
- Intel IoT Club conducted its first industrial training session on Intel DevCloud and Intel OpenVINO toolkit. The event saw an attendance of about 110 people.
- Sandeep Rajakrishnan (ML Lead) shared his expertise on deep learning models right from development to deployment.
- It was then followed by the demonstration and applications of Intel DevCloud and OpenVINO toolkit by Deepak Sai (Head). The presenters demonstrated a project "Safety Detection" on Intel Devcloud.
- The training session also covered the benefits of the Intel Distribution of OpenVINO toolkit, which enables users to optimize, tune, and run comprehensive AI inference. It also covered the usage of Intel Devcloud to test the performance of AI models on Intel processors.

BLOG-A-THON

23 JUN 2022

BLOG COMPETITION

ONLINE



- A technical blog competition was organized on topics revolving around AI, ML, Deep Learning, or IoT.
- Participants had to submit an authentic blog with a lower bound of at least 800 words. A total of twelve people submitted their blogs and after a comprehensive evaluation, three of them were declared as winners.
- Overall, the contest gave the participants an excellent platform for the students to showcase their writing proficiency and technical knowledge in the domains of AI and IoT.
- The contest contributed to raising awareness of the latest advancements in these fields which are widely transforming our lives.

BREAKING INTO AI

21 MAY 2022

SEMINAR

AMRITA HALL

- The Intel IoT Cub at Amrita Vishwa Vidyapeetham, Coimbatore, conducted their first offline event, Pie & AI - Amrita: Breaking into AI. The event saw an overwhelming response of over 270 registrations and about 150 people in attendance.

- Deepak (Head) gave an overview of the importance of engaging in clubs and the advantages of becoming a member of the Intel IoT club, which provides students access to Intel development toolkits such as Intel DevCloud and OpenVINO.

- Prem Sundar (AI Lead) provided a practical introduction to the concepts of AI and machine learning. Following this, Akash showcased the daily applications of ML.

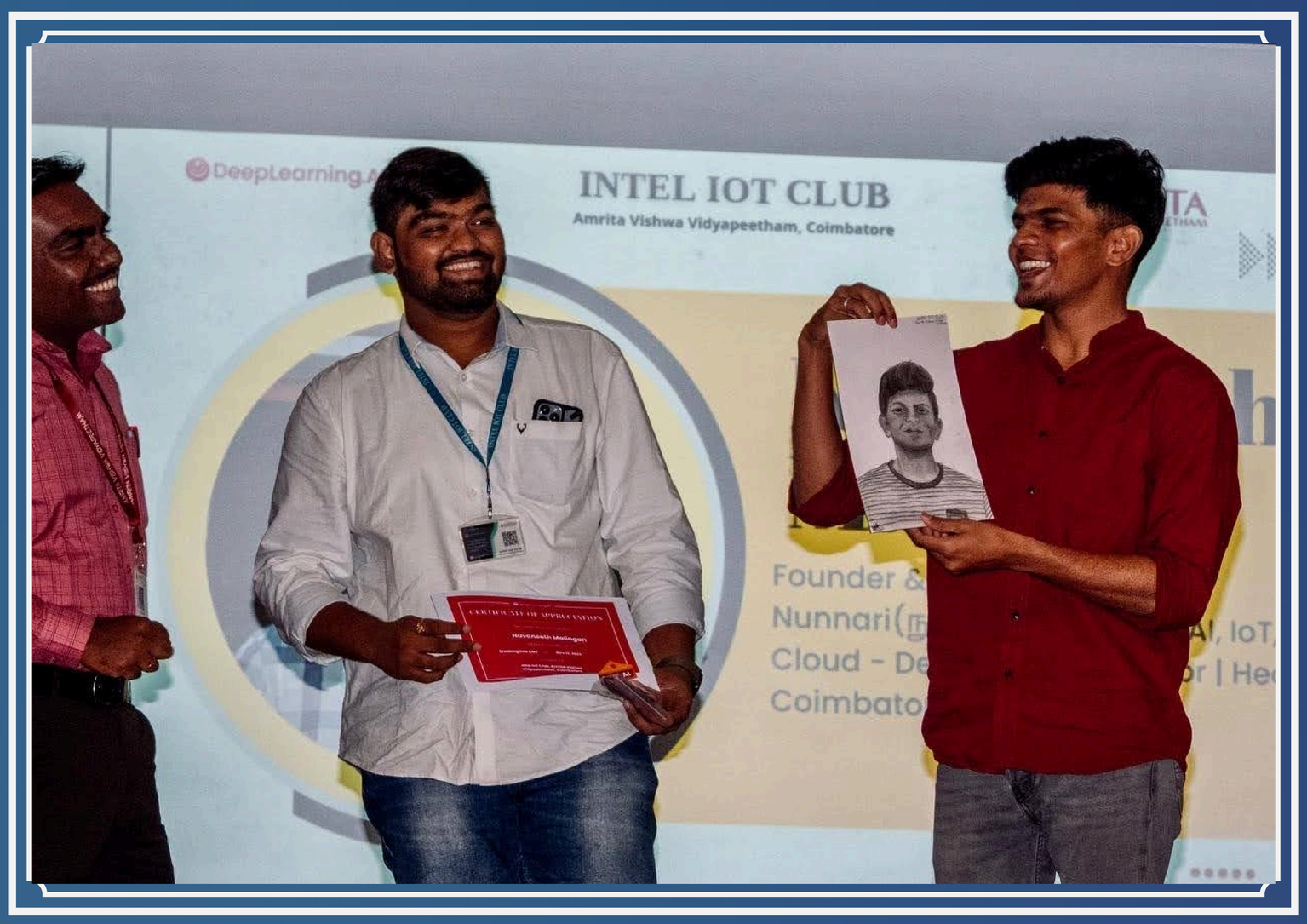
- Mohan (IoT Lead) discussed about IoT and its various use cases in smart cities and homes. Dr. Anbazhagan (Faculty Coordinator) concluded by briefing about the upcoming events and activities of the club and emphasized the importance of students' active participation.

BREAKING INTO AIOT

15 NOV 2022

IOT EVENT

AMRITA HALL



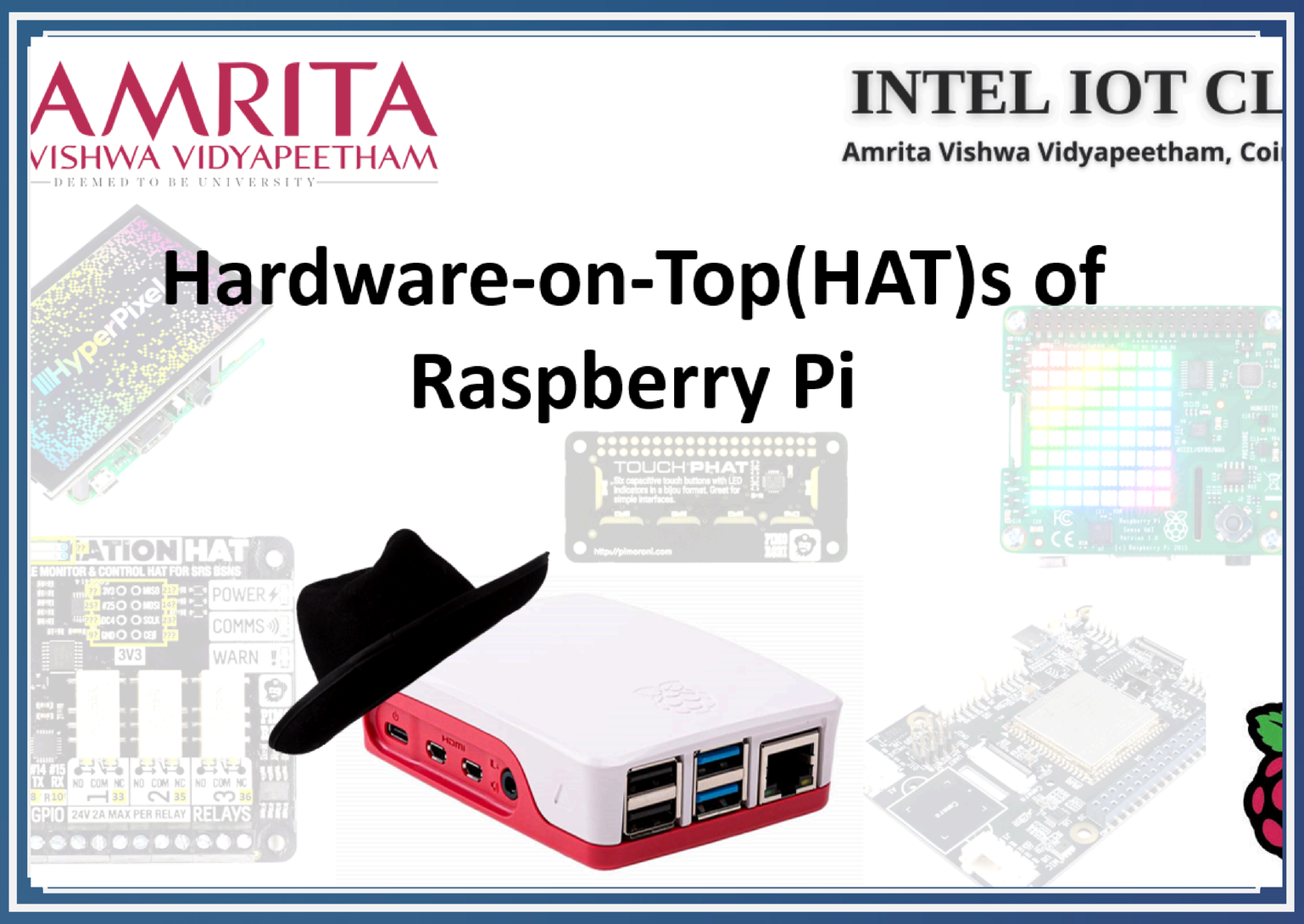
- The seminar focused on delivering insights about the domains IoT, AR, and Machine Learning with a focus on decentralized data, Federated learning, and Intel technologies related to this.
- The event saw an enormous response with a registration count of 585 and over 400 people ultimately attending the seminar. The applications and advantages of ML-Federated learning were also discussed in the seminar.
- "Projects 101", a project development and research initiative undertaken by the Intel IoT Club was introduced to the attendees. The students will have the opportunity to learn and engage with real-world examples of these technologies as a dedicated team has been on board for project development and research at an IoT lab on campus.
- The Industry Speaker, Mr. Navaneeth Malingan (Founder of Nunnari) gave an insightful speech on Opensource, Competitive Programming, and Entrepreneurship which was very informative to the attendees.

EDGE AI AND HATS OF RASPBERRY PI

15 MARCH 2023

WEBINAR

ONLINE



- Deepak Sai (Head) and Mohan V (IoT Team Lead) presented a webinar on Edge AI and HATs of Raspberry Pi.
- The webinar addressed the basics of Raspberry Pi and its HATs (Hardware Attached on Top). Thirteen different Raspberry Pi hats such as Sense HAT, RobotHAT, Grove AI HAT, etc., were discussed in the webinar.
- The use of AI technologies on edge devices such as smartphones, IoT, and embedded systems known as Edge AI was also discussed in the webinar.
- Practical use cases of Edge AI and the benefits of Intel oneAPI in deploying cross-architecture applications were explored.

IOT WORKSHOP - “BUILD YOUR SMART HOME”

23 APRIL 2023

IOT WORKSHOP

IOT LAB

- An one-day IoT workshop was conducted on building our own smart homes with Raspberry Pi 3 and Grove Pi kit. 39 students of 2nd and 3rd year across various departments attended the event.

- Mohan V (IoT Team Lead) and Yash Puthalath (IoT Team Member) presented the basics of IoT, Raspberry Pi and Grove Pi kit.

- A total of seven smart home devices were built and illustrated in the workshop. Also, the different use cases of the sensors were discussed with the attendees.

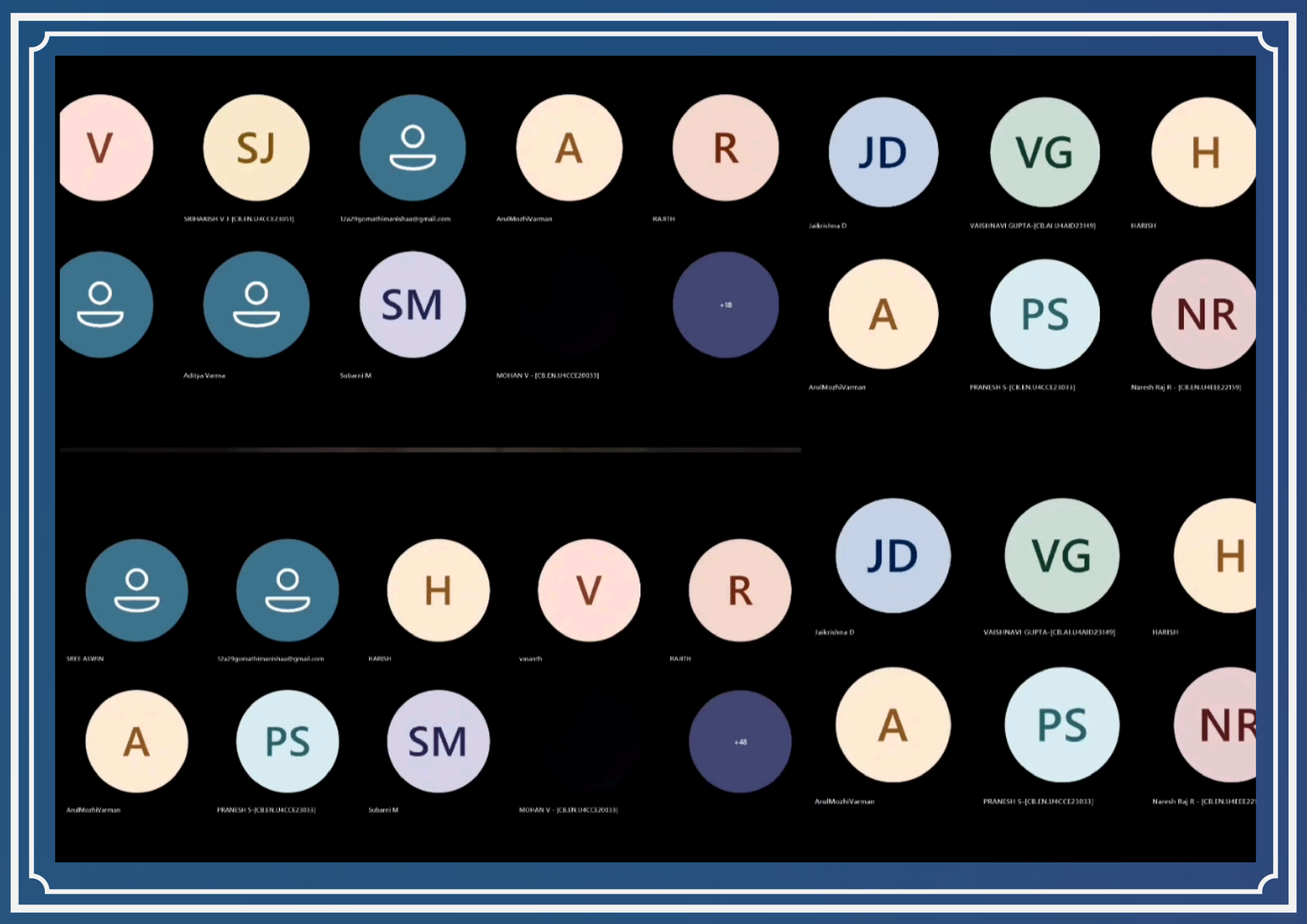
- The devices built during the workshop include a smart alarm, smart door lock, smart mirror, smart refrigerator, smart electricity meter, smart garage, and smart doorbell.

IOT COMPETITION

19 AUG 2023

IOT EVENT

ONLINE



- A day long IoT competition using Raspberry Pi was held online with a problem statement of finding an application for the maximum number of sensors in the grove pi kit.

- A total of 20 students of second and third year across different departments participated in the competition and Mohan V (IoT Team Lead) coordinated the competition.

- The projects submitted by students include coal mine evacuation system, environment sense system, smart agriculture monitoring system, and weather forecast system.

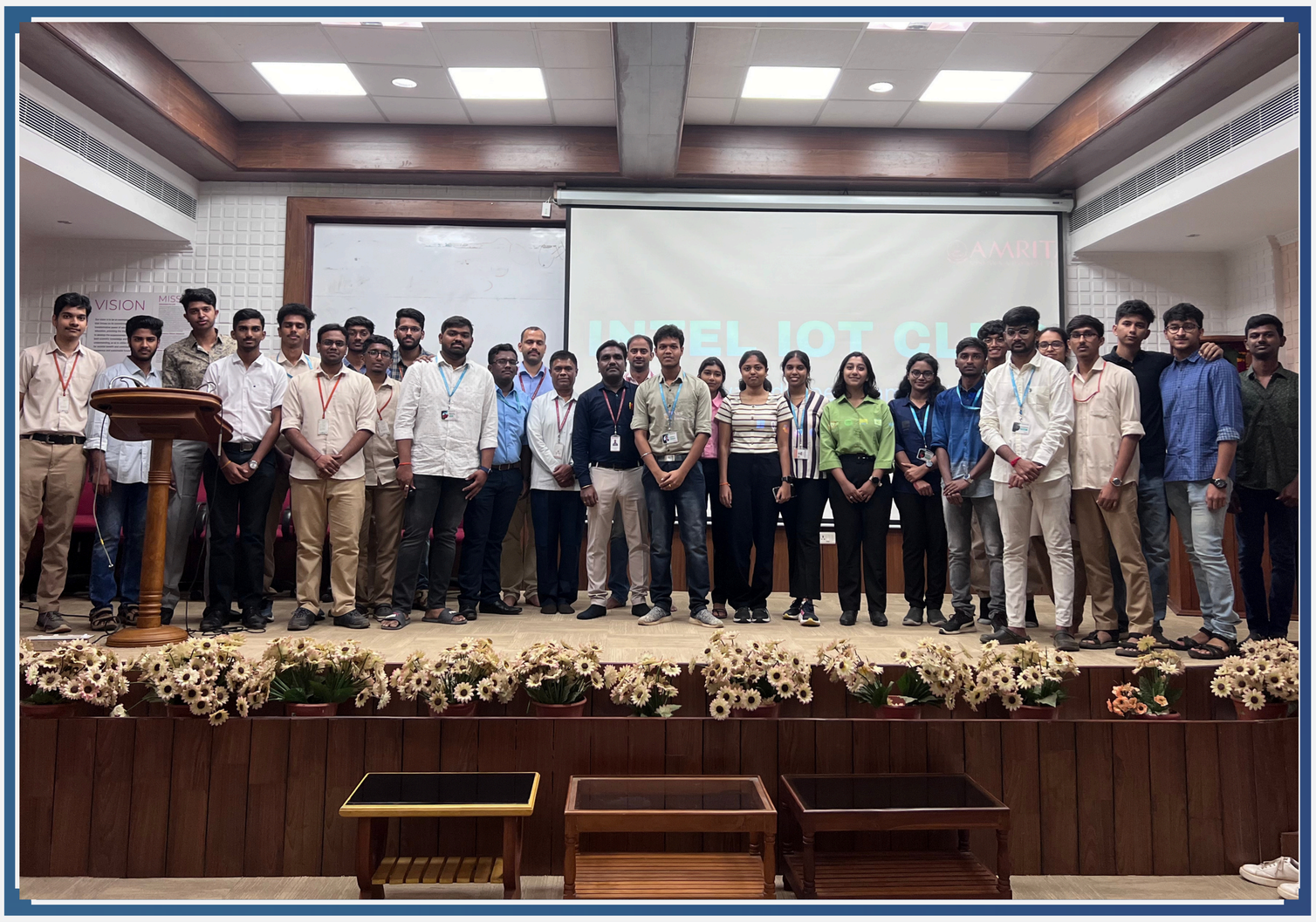
- The participants of smart home workshop attended this competition and applied the knowledge of Raspberry pi and grove pi board into practical application.

INTEL IOT CLUB INDUCTION

2 FEB 2024

IOT EVENT

SANDEEPANI HALL



- The Intel IoT Club conducted its induction event for the new academic year and also celebrated a milestone, marking two years of innovation, collaboration, and technological exploration.

- Members of the club shared their success stories, cutting-edge projects, and the transformative impact on the IoT landscape. The event emphasized the importance of knowledge sharing, cultivating a sense of community, and encouraging the exploration of IoT.

- The new office bearers Srinithi (IoT Team Lead) and Balasuriya (AI/ML Lead) presented the gathering about the emerging trends of IoT and AI.

- An interactive game was conducted by Sarvesh (Club Head) and it was followed by a quiz to engage the attendees. The forthcoming plans of the club were deliberated before concluding the event.

PICRAFT: BUILD A GAME SERVER WITH RASPBERRY PI

28 FEB 2024

IOT WORKSHOP

IOT LAB

- An IoT workshop on building a game server with Raspberry Pi was conducted and it gained huge traction among the students and 65 people attended the workshop across all years and departments.
- The IoT Team members Taruneshwaran, Jaidev, Karthik, and Gayathri Devi along with Mohan V (Student Mentor) presented the workshop using Raspberry Pi 3 and Grove Pi kit.
- The workshop delved into the basics of IoT, Raspberry pi, and grove pi kit. The game server was built using Raspberry Pi in the latter half of the workshop.
- Students found the hands-on experience and interactive nature of the workshop very beneficial, and it was useful for their future career prospects.

INTEL ONEAPI WORKSHOP

15 MARCH 2024

IOT WORKSHOP

SANDEEPANI HALL

- An exclusive workshop was conducted to explore the cutting-edge realm of Intel oneAPI and its applications in academia, research, or industry.
- The Intel oneAPI Ambassadors, Balasuriya and Navabharati along with Dilip P, an experienced ML Engineer at Sivi provided their expertise and real-world insights on oneAPI and made this workshop an exceptional learning experience for the attendees.
- Through practical sessions, the participants were able to gain an extensive understanding of Intel oneAPI.
- Participants were able to explore the capabilities and use cases of Intel oneAPI and harness its potential in their respective domains.

WOKWI WEBINAR

26 MAY 2024

IOT WEBINAR

TEAMS

- The workshop was conducted to explore the possibilities of IoT through simulation which can save lot of time in the project development.
- Various IoT boards like Arduino UNO, ESP32, Raspberry pi Pico was simulated in integration with many cloud platforms like Thingspeak, Adafruit, Twilio, IFTTT, Blynk cloud, Node-Red, Email and Weather API
- Participants were able to explore the capabilities of the wokwi simulator and use cases of cloud platform to create a remote functional IoT projects.
- This made IoT projects much easier to visualise and create, leading to a surge in creativity amongst college students.

Pie & AI Ambassador Spotlight

Deepak Sai Pendyala
Pothavaram, India

> As an ambassador, I have met incredible people and learned from their experiences. It was very satisfying to help people and to exchange knowledge with the community.

DeepLearningAIHQ DeepLearningHQ DeepLearningAI_

Deepak is one of the Top 10 Ambassador Spotlight 2022 in the world

- 2022 Pie & AI Ambassador Spotlight: Deepak Sai Pendyala

50+ countries, 700+ events, 70K+ participants

Welcome to the world of DeepLearning.AI, where we are dedicated to fostering a global community of AI enthusiasts and professionals! One of the key ways we do this is through our popular Pie & AI meetup series, which is independently hosted by our community members across 50+ countries worldwide.

Our Pie & AI events offer an incredible opportunity to connect with fellow learners and practitioners, as well as thought leaders and experts in the field. You'll have the chance to participate in thought-provoking discussions, gain valuable insights into best practices and emerging trends, and even get hands-on project practice and mentorship from experienced professionals.

With over 700 events and 70K+ participants to date, our Pie & AI series has become a key fixture in the global AI community.

PARTNER IN PROJECT

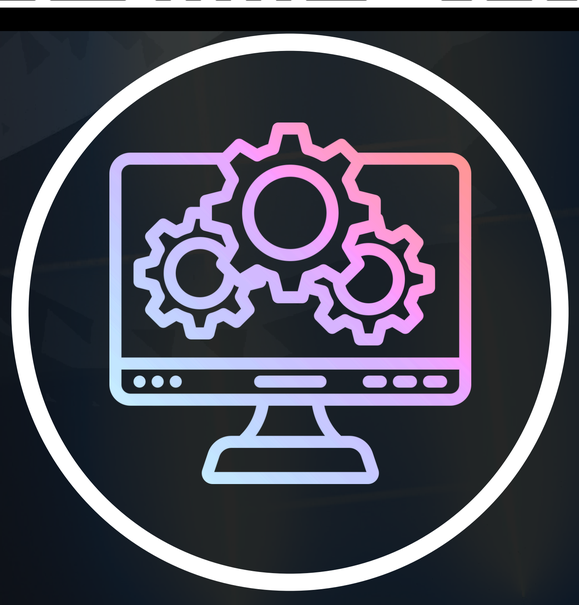
PiP 101

Forms

YOU INNOVATE

WE FACILITATE

TECH QUERIES



HARDWARE/SOFTWARE SUPPORT

NEW PROJECTS

inteliotclub

inteliotclub

SYNERGY

Faculty Coordinator

Dr. Anbazhagan Mahadevan

Dr. Anantha Narayanan Velu

Core Team

Sarvesh - Head

Mangal - Co-Head

Srinithi A - IoT lead

Balasuriya - AI/ML lead

Mohan V - Student Mentor

Deepak Sai P - Founder & Intel SAP

Pravin kumar - Event Management lead

IntelIoT Club

AMRITA VISHWA VIDYAPEETHAM, COIMBATORE