

PROGRAM REPORT

Title of the Programme	: SCHEME FOR PROMOTING INTERESTS, CREATIVITY AND ETHICS AMONGSTUDENTS (SPICES)
Name of the Coordinator	: Dr.B.Gomathi, Assoc. Prof., Dept. of I.T., HICET
Name of the Co-coordinator	: Mr.G.Muthuram, Asst. Prof., Dept.of E.E.E., HICET
Grant-in-aid Sanctioned	: Rs.1,00,000/-
AQIS Student Club Name	: Technical Society Club

SUMMARY OF THE SPICES SCHEME

AICTE is an important entity to promote innovative, educational and research schemes among the technical education community. Out of many schemes under AICTE, this SPICES is also a significant scheme for the student community. SPICES stands for Scheme for Promoting Interests, Creativity and Ethics among Students. AICTE offers SPICES scheme to provide financial support to institutions, for developing students club, for well-rounded development of students, by promoting their interests, creativity and ethics. This club should serve as a model for other clubs in the institution. The main objective this scheme is to energize students club/ Chapters/ Societies as facilitating entity for pursuit of individual interests, creative work, showcasing talent, networking and teamwork opportunities, social experience; organization and management skills and exposure to professional ethics. One lakh Rupees had been released by AICTE, to conduct various events under AICTE-SPICES Sponsored Technical Society Club for the Academic Year 2021-22.

The purpose of Technical Society Club is to facilitate entity for pursuit of individual interests, creative work, showcasing talent, teamwork opportunities, social experience and management skills, exposure to professional ethics under one roof. With these facilities in the campus, more students were encouraged to take up creative work, get training on creative thinking, problem solving, collaboration etc.

With same Objective of AICTE, we have successfully conducted the various events under Technical Society Club and cheered the students to come out with their own business idea, creative interest, management skills and team spirit. Here by we summarize the event with a short report about the happenings under AICTE-SPICES Scheme.

Inauguration of AICTE SPICES Sponsored Technical Society Club

AICTE-SPICES Sponsored **Technical Society Club** was inaugurated by Dr.R.Srinivasan, Member Secretary, Tamilnadu State Council for Science and Technology, Chennai through Online Mode on 31.07.2021. The Program was started with a formal inauguration with a Welcome Speech by Dr.J.Jaya, Principal of Hindusthan College of Engineering and Technology and followed by the Presidential Address by Dr.K.Karunakaran, CEO of Hindusthan Institutions.

We are proud to have a valuable Chief Guest Dr.R.Srinivasan and he wonderfully shared about importance of the team work, management skill, social work and professional ethics among the students. This program was end up with Vote of Thanks given by Technical Society Club Coordinator Dr.B.Gomathi.

The image displays two screenshots of a WebinarJam live broadcast interface. The top screenshot shows a presentation slide for the inauguration of the AICTE SPICES Sponsored Technical Society Club. The slide features a portrait of Dr. R. Srinivasan, Member Secretary of the Tamil Nadu State Council for Science and Technology. The event is dated 31 July 2021 at 10:30am. The bottom screenshot shows a live video feed of a man speaking, with a sidebar on the right indicating 438 live attendees out of 537 registered. The sidebar also lists attendees such as J Iijo, Aathiraj, Vaishniya.R.R, ABHINRAJ, Bindhu, R.JESUDOSS, and GOPI.

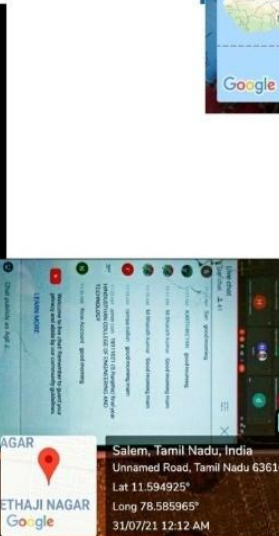
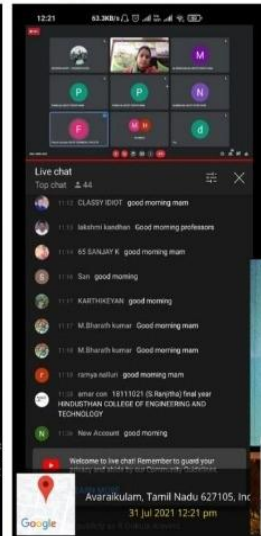
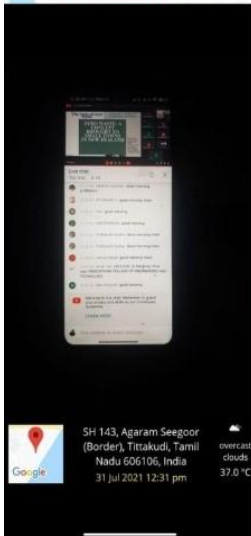
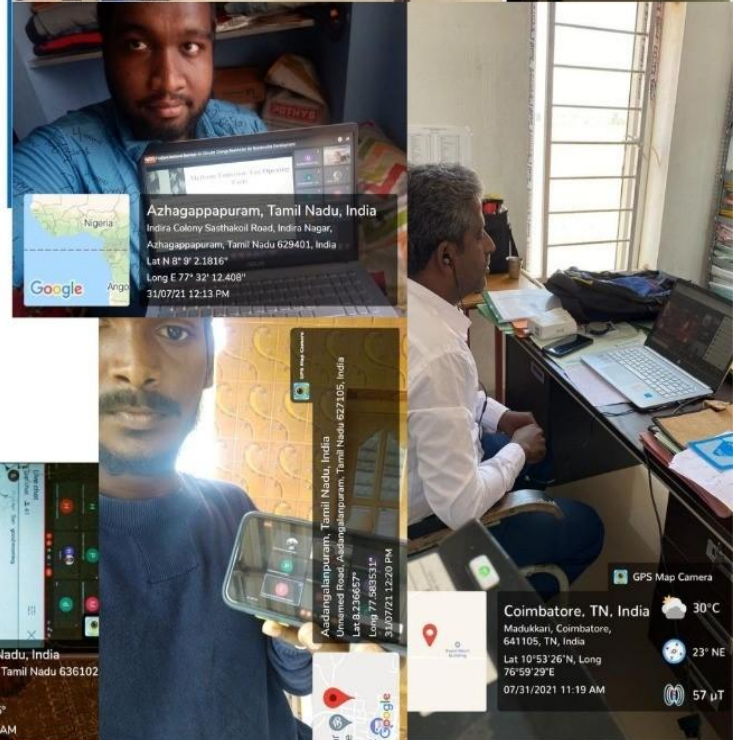
Seminar on "Climate Resolution for Sustainable Change Development"

The AICTE-SPICES Sponsored National Seminar on “**Climate Resolution for Sustainable Change Development**” was held on 31.7.2021 through Online mode after Inauguration of Technical Society Club. In this Seminar, the first speaker Dr.Sunita Varjani, Scientific Officer, Gujarat Pollution Control Board, Gujarat, explained about Solid waste management and climate change in Global Perspective. In addition, she briefed about waste management hierarchy, like, how it is reused and disposed etc. She then delivered about the Global scenario of Municipal Solid Waste (MSW) and their facilities in years through a chart. After that she explained about Waste generation and processing status in India along with disturbing facts in MSW. She started explaining about Methane emission and their facts. She gave a short detail about challenges and opportunities. She finally gave a note of her books named "Waste Biorefinery", "Circular Bioeconomy Technologies for Biofuels and Biochemicals" and "Waste Bioremediation."etc. Then the participants were asked to interact with guests. Finally she thanked and acknowledged the institution, HOD and students.

The Second Speaker Dr.Selvaraju, Assistant Professor, Department of Bioscience and Bioengineering, Indian Institute of Technology, Guwahati, gave a short introduction about him and addressed the institution. Then, he started his topic: water Purification Technologies from Lab scale to Pilot scale. He begins to explain the importance of water, how it affects the habitats due to the less availability of water. And, reasons for the less availability like heavy metals, dyes, antibiotics. He delivered about Remediation techniques and started to explain about adsorption and challenges and told about current projects. He gave a short note on Surface Characterization through graphical abstract. He also detailed about Adsorbent preparation and AFM & Zeta potential analysis, SEM & EDX analysis and FT-TR& BET analysis. How the binary adsorption system works. And, explained why we chose Chitosan. And, explained the packed bed column, it's modelling and simulation and its conditions. He started demonstrating Water treatment Pilot Scale Setup design. He gave a short introduction about his current team members. He gave short detailed opportunities for students in IIT and how students can do their internship and ideas. Students then asked to interact with him. Finally he thanked and acknowledged the institution and students.

The Third Speaker Dr Balathanigaimani, Associate Professor, Department of Chemical Engineering, Rajiv Gandhi Institute of Petroleum Technology, Uttar Pradesh, have a little information about him and greeted the institution. First, He explained about the adsorbed gas storage system for vehicular application. He begins with the academic programmes at RGIPT. He also explained about the available research facilities at RGIPT. He detailed what equipment to be installed at RGIPT. He gave a short introduction about the alternative fuelled

vehicles and what are the available storage methods for gaseous fuels, how to select the adsorbents for gas storage. He describes two experiments which are adsorption isotherm equilibrium studies and dynamic charge and discharge studies. Then students were allowed to interact with the guest. Finally, he greeted institution and acknowledged students.



PCB Design Contest 2021

AICTE-SPICES Sponsored PCB DESIGN CONTEST – 2021 was organized by Technical Society Club in association with Association of Electrical and Electronics Engineering on 27.08.2021. The Program was started with a formal inauguration through a Welcome Speech by Dr.Anandhamoorthy, HOD-EEE and followed by the Presidential Address by Dr.J.Jaya, Principal of Hindusthan College of Engineering and Technology. The Chief Guest address was

given by Er. Sarathi U, Design Engineer, E-Trainers, Coimbatore. He shared that the Embedded Technology is a promising career option for young engineering professionals as there are literally thousands of job opportunities available in the field. It has a wide career opportunity in sectors like Electronics, Power Corporation, IT, Aviation Technology, Communication Technology, EV Engineers, Electromagnet Engineers., etc., Embedded engineers can provide critical skills in diverse areas, including design and Testing.

After Inauguration, PCB Contest was held at Simulation Lab, HICET. Around 35 teams from different Institutions in and around Coimbatore were participated in this contest and showcased their PCB design in front of Juries. In this contest, R.Subash, Final Year EEE, Hindusthan College of Engineering and Technology won first prize cash award worth of Rs.5000/-, S.Arumugam, Third Year EEE, Sri Eshwar College of Engineering, Coimbatore won Second Prize cash award worth of Rs.3000/- and M.Rajesh, Final Year EEE, Rathinam Technical Campus, Coimbatore won Rs.2000/- as a cash prize for third place.

A formal Valedictory for this contest was conducted by our organizing Team, thanking AICTE the foremost. Oral Feedback from the Participants were collected during the Valedictory Ceremony. Prizes and certificates were distributed by Chief Guest among the participants.

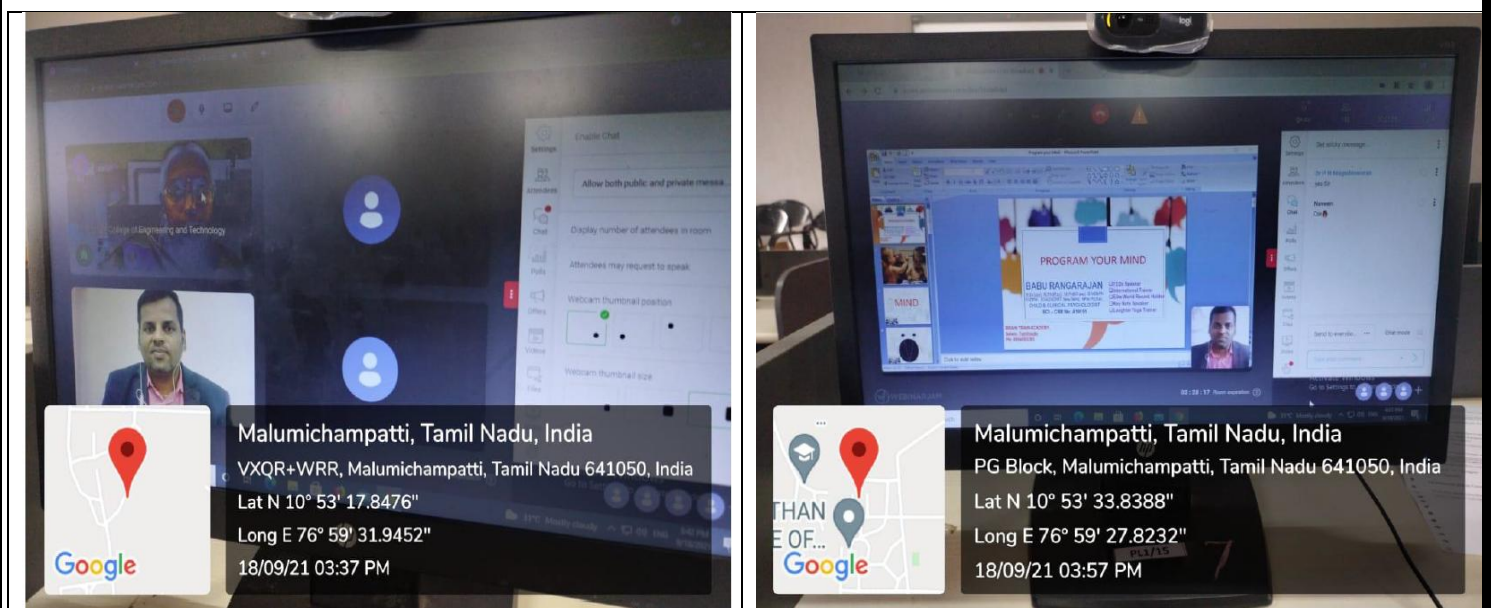


Webinar on "Program Your Mind"

The Webinar on "Program Your Mind" was handled by Dr. Babu Rangarajan, Clinical Psychologist, Senthil Child Neuro Clinic, Salem on 18.09.2021 through Online Mode. This webinar was organized under AICTE-SPICES Sponsored Technical Society Club. The students were inspired and got enlightened about programming their mind to be successful in their

life. The webinar mostly focused on the current challenges of the student and how to handle their problems by controlling the mind. A strong mind and good ideas are the vital tools to cope with these trying times. There were about 183 participants who attended the webinar, and the webinar was conducted using Webinar Jam.

The speaker engaged the audience by providing relatable examples of situations that are common to everyone. He also attempted to convey the sometimes negative and occasionally beneficial impacts of having a strong intellect. He described the significant difference a positive outlook can have in a person's life. He used his own experience as an example to show how having a positive outlook would affect the decisions one makes. He also explained about the importance of Professional Ethics.



Workshop on “Yoga for Youth”

AICTE-SPICES Sponsored workshop on “Yoga for Youth” was organized on 24.09.2021 under Technical Society Club and handled by Dr.V.S.Elamurugan, Senior Executive, Gajaanada Trust, Coimbatore. He told that yoga is a potential tool to deal with stress and regulate the life style. In addition, yoga provides training of mind and body to bring emotional balance. He added that yoga improves physical and mental well-being of the human being. Similarly, yoga helps students improve resilience, mood, and self-regulation skills pertaining to emotions and stress.

The programme explained the teenagers specific breathing methods to help them deal with stress and conquer bad emotions. The programme helped participants

reach their full potential and focuses on teaching important life skills like teamwork and cooperation, which were sharpened through engaging exercises and games. Discussions and recommendations on subjects like college work, peer pressure, and self-esteem were also provided.





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Workshop on “New Age Leaders Development Program”



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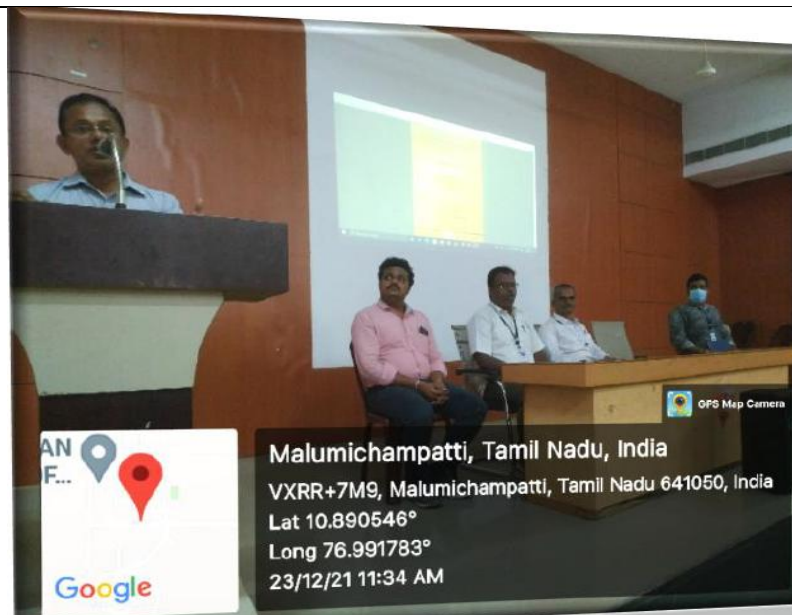
AICTE-SPICES Sponsored National Level Three Day Workshop on New Age Leaders Development Program was organized during 20.12.2021 and 22.12.2021 by Technical Society Club. The Program was started with a formal inauguration through a Welcome Speech by Dr.B.Gomathi, Associate Professor-IT and followed

by the Presidential Address by Dr.J.Jaya, Principal of Hindusthan College of Engineering and Technology. The Chief Guest address was given by Mr.Prasanna Venkatesan, Founder-Mindroid Academy, Coimbatore. Around 250 participants got benefited through this program. With help of this program, the participants developed and exhibited their sense of self.

It helped to develop and nurture a deep understanding of personal motivation. It demonstrated the knowledge of personal beliefs and values and a commitment to continuing personal reflection and reassessment. It helped to recognize the implications of leadership style and its impact on team and organization performance. It also identified and critically assessed the assumptions that influence decisions and actions on management, leadership, teamwork and relationship building. The speaker conducted various activities to improve the leadership quality and teamwork among the participants.

Interactive Talk on “Role of Electrical Engineers in Future Society”

AICTE-SPICES Sponsored Interactive Talk on “Role of Electrical Engineers in Future Society” was organized by Technical Society Club in association with IEI Student Chapter on 23.12.2021. The Program was started with a formal inauguration through a Welcome Speech by Dr.Anandhamoorthy, HOD-EEE and followed by the Presidential Address by Dr.J.Jaya, Principal of Hindusthan College of Engineering and Technology.



The Chief Guest address was given by Er.Aruchamy, Territory Manager, Paramount Industries, Bangalore. The Speaker of the program Er.Aruchamy shared his rich knowledge and experience in Electrical Engineering field. He told that Electrical Engineering is a promising career option for young professionals as there are literally thousands of job opportunities available in this field. You can literally work in any field that uses electricity, right from government organizations to private IT sector firms.

Electrical Engineering has a wide career opportunity in sectors like Electronics, Power Technology, Radio Engineers, Electromagnet Engineers, Aviation Power Supply, etc. Electrical engineers can provide critical skills in diverse areas, including medical and military environments. In valedictory function, Speaker interacted with participants and cleared their doubts. Later, Participants shared their feedback and certificates are shared among the participants. The Vote of Thanks was given by Prof.G.Muthuraman, Assistant Professor-EEE, HICET.

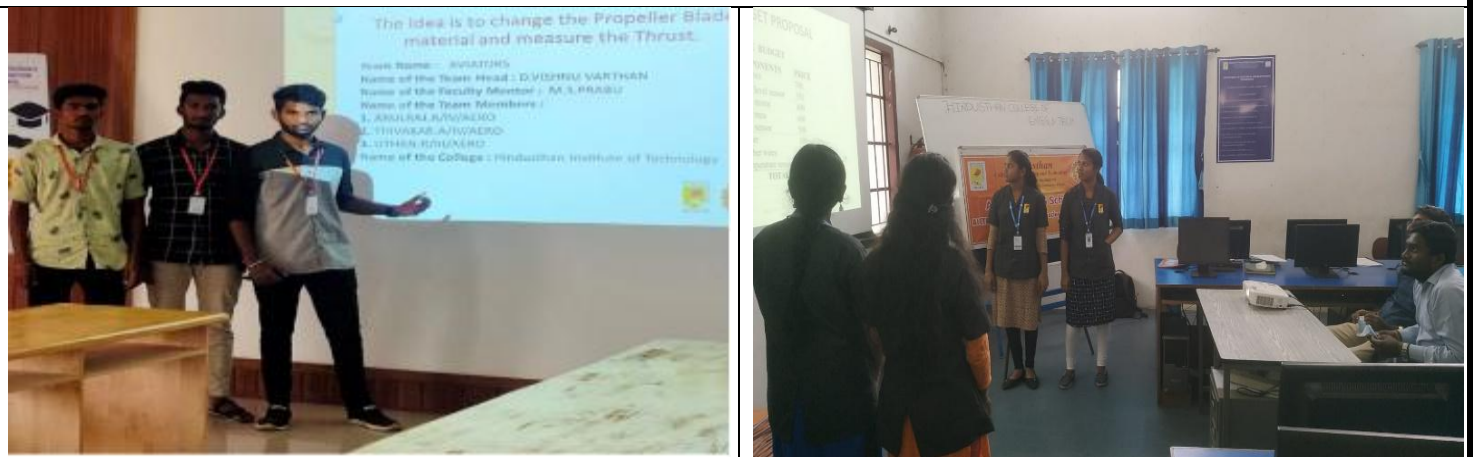
Idea Submission Contest 2022

AICTE-SPICES Sponsored Idea Submission Contest 2022 was organized by Technical Society Club in association with EDC Cell on 25.03.2022. The Program was started with a formal inauguration with a Welcome Speech by Dr.B.Gomathi, Associate Professor-IT and felicitation address was given by Dr.J.Jaya, Principal of Hindusthan College of Engineering and Technology and followed by the Presidential Address by Dr.K.Karunakaran, CEO of Hindusthan Institutions. The honorable chief guest Mr.Shanmugam, Director, Grand Rapid Engineering, Coimbatore addressed the gathering. He mentioned about the importance of IPR, Design thinking, POC and Prototype development for new entrepreneurs.

This idea competition promoted the creativity and gave the winners the chance to achieve their concepts. It was a unique chance for networking, information sharing, and interaction with outside knowledge sources like independent business owners and small businesses, who were urged to submit ideas and compete for a prize. This competition was created for students to aid and direct them as they turn their startup idea into reality. Contest encouraged students to pinpoint issues at the neighborhood scale. Through this competition, participants are encouraged to think like entrepreneurs.

After Inauguration, Idea Contest was held at CSE Lab, HICET. Around 60 participants from different Institutions in and around Coimbatore were participated in this contest and presented their ideas in front of Juries. In this contest, R.Vineesh, Final Year MBA, Hindusthan College of Engineering and Technology won first prize cash award worth of Rs.8,000/-,Babiyon Clement, Aravind Subramanian and Benaniosam, II Year B.Tech(IT), Hindusthan College of Engineering and Technology, Coimbatore won Second Prize cash award worth of Rs.5,000/- and Prasanna R, Asif Abbar and Vinoth, III Year EEE, Hindusthan College of Engineering and Technology, Coimbatore won Rs.3,000/- as a cash prize for third place.

A formal Valedictory for this contest was conducted by our organizing Team, thanking AICTE the foremost. Prizes and certificates were distributed by Chief Guest among the participants.



Motivational Speech on Mind Mastery

The Program was started with a formal inauguration with a Welcome Speech by Dr.Uma, HOD-S&H and felicitation address was given by Dr.J.Jaya, Principal of Hindusthan College of Engineering and Technology and followed by the Presidential Address by Dr.K.Karunakaran, CEO of Hindusthan Institutions.The Motivational Speech on Mind Mastery was given by Dr. Babu Rangarajan, Clinical Psychologist, Senthil Child Neuro Clinic, Salem on 08.04.2022 at Kalam Auditorium, HICET. This webinar was organized under AICTE-SPICES Sponsored Technical Society Club.

The Speaker gave an inspiration talk among the First Year students. After the students came back from online mode of education, they were in a need of some inspiration talk to improve their behavior and studies. Our Speaker explained about the importance of discipline and Leadership Skill. He added that being disciplined allows leaders to command respect from others, to work well with their team members. He also added that Professional ethics is constituted by all the moral standards that govern the behavior and actions of professionals. Each profession may vary, but they will always be based on principles and values. Finally, Vote of Thanks was given by Prof.G.Muthuraman.



Drone Championship 2022

Technical Society Club and UAV Club are jointly organized National Level Drone Championship with Skywalk Dronotics Academy, Coimbatore in our campus on 7th

May 2022. Skywalk Dronotics Academy is the first private Drone school started in Coimbatore. We organized the event in a grand scale inside our campus. This event was great exposure for engineering students to know about different drone models and their flying ability. The objective of this competition was to design, build and fly a UAV to meet a specific mission requirement and also to inculcate innovation mindset among the student community in emerging technologies like Uninhabited aerial vehicles (UAV). It is also help to develop the next generation of entrepreneurs.





Around 40 teams from different locations in our country participated in this event and shown the capability of their drones in front of Juries. In this contest, N.Vivek, Third Year Aeronautical Student, Nehru Aeronautical College, Coimbatore won first prize cash award worth of Rs.10,000/-, V.Mahi Krishnan, First Year Mechatronics, Hindusthan College of Engineering and Technology, Coimbatore won Second Prize cash award worth of Rs.5000/-.The prizes and certificates were distributed by Sceretary Saraswathi Kannaiyan, Hindusthan Educational Institutions, Coimbatore.

Bicycle Design Competition



Our Team Hindusthani Lahurians (Vyshakh M.V (19108110) III Yr Mechanical C, Nehemiah Jennings (19112045) III Yr BioMedical , Navaneeth Krishna.K (19112044) III Yr BioMedical, Saimadhan G (19108084) III Yr Mechanical C, Rishwanth R (19108829) III Yr Mechanical C, Jershin Jose S (20108834) II Yr Mechanical B & Sajin S J (20105046) II Yr EEE) participated in the Bicycle Design Competition held at Bannari Amman Institute conducted by SAEINDIA ISS and secured the first prize in Maneuverability award with cash prize of **Twelve Thousand**. Students participated in the event and they have shown off their skills in design and fabrication of vehicles. Here, Rs.15,150/- was spent from SPICES Institution Contribution to purchase components for competition and Travelling Allowance.



Innovations in Manufacturing Practices (IMP)

Our Hindusthan College Under Graduate Students of Abel Varghese (III Chemical), Nivetha K (II Civil), Manoj B (III Civil), Arun Rathnavel C (III Mechanical) and Post Graduate Students from II Year MCA of Sasi Kumar, Mohammed Amal, Ajith M, Vishnu M, Saravanan R were participated in the Innovations in Manufacturing Process (IMP) 2022 held at Jadavpur University, Kolkata, INDIA conducted by Indian National Academy of Engineering. Ms. Nivetha K (II Civil) had secured the





Second prize with cash prize of **Rupees Twenty Thousand**. Students participated in the event and they have shown off their skills to provide a platform for engineering students and startups to compete in an All India Contest to showcase innovations in manufacturing sector.