

## **YESIST12 Grand Finale Report - 2022**

**Date:** 10th and 11th September 2022

**Venue:** Sri Venkateshwara College of Engineering, Bangalore

### **Day 1**

The YESIST12 Grand Finale was held as a hybrid event in Sri Venkateshwara College of Engineering, Bangalore from September 10, 2022 to September 11, 2022. The event was live on Microsoft Teams. The international talent show, IEEE YESIST 12 was filled with students and young professionals showcasing their fresh pristine ideas to find the key to humanitarian and social issues affecting directly the community around them. A year-long journey of finding the right talents led to the Grand Finale with immense participation from finalists, volunteers and delegates.

#### **Inaugural Session**

The Grand Finale started with the inaugural session. The inaugural session was hosted by the YESIST'12 Volunteers Mr.Ashvanth and Ms.Akshaya as MCs. The delegates of the session joined together to light the lamps and start the session with an invocation song.

The Welcome Address was given by Dr. Nageshwara Gupta, Principal of SVCE (the host venue). Nageshwara Gupta welcomed the gathering with immense pleasure and gave some guidelines about the arrangements in the venue.

It was followed by the Inaugural Talk of Dr. Mayilsamy Annadurai who joined the session virtually. Mayilsamy Annadurai provided an inspiring talk with his experiences in launching successful space missions.

Then our YESIST'12 ChairPerson, Dr. Ramalatha Marimuthu, shared her journey of building YESIST'12 as a grand international event. She gave lots of insights about YESIST'12

It was followed by a Special Address from IEEE R10 Director Deepak Mathur and IEEE Bengaluru Section Chair, Deepa Shenoy. They wished the finalists a successful presentation.

Then, we had the launch of YESIST'12 Alumni Forum by Sagar Gujjunoori. We had a video presentation of experience shared by past participants of YESIST12 and volunteers of YESIST12. We also had an opportunity to listen to our alumni Kartik, founder of AR Vidhya and Aparna Chandrasekaran, Finalist of YESIST12 2019, Junior Einstein Track.

Then the MCs gave a brief introduction about the tracks and the track chairs appeared on the stage. Then the MCs gave guidelines about the evaluations and finale.

#### **Keynote Session 1 :**

**Bozenna Pasik-Duncan** is a Professor of Mathematics at the University of Kansas, as well as a Courtesy Professor of Electrical Engineering and Computer Science and a Courtesy Professor of Aerospace Engineering.

She gave an enlightening and entertaining keynote session on research methodologies in the field of mathematics, as well as shared her research interests.

Her current research interests include stochastic processes, stochastic adaptive control, stochastic theory, mathematical statistics, the relationship between statistics and control theory, mathematics of finance, manufacturing systems, control in telecommunication, epilepsy, as well as biomedicine, biostatistics, biophysics, bioinformatics, and mathematics education at all levels, particularly integrating research, teaching, and learning and promoting the importance of good communication.

### **Keynote Session 2 :**

**Eric Berkowitz**, Director of Membership at the IEEE Computer Society, gave an enlightening and entertaining keynote session about the IEEE Computer Society, and he discussed what it takes to become a member of the IEEE Computer Society, how to retain them as members by renewing their membership every year, and how to win them back if they don't renew. In this demonstration, Berkowitz demonstrates communication options and the development of tailored solutions for members in order to keep them engaged in the society's products and community activities.

Eric Berkowitz discussed his marketing experience, stating that as an experienced membership marketing professional who has demonstrated versatility across a range of marketing specialties, his breadth of experience allows him to adapt quickly to changing needs. He is well-versed in key marketing disciplines such as strategic marketing, retention marketing, brand management, and so on.



**Figure: A glimpse of the Inaugural Session of YESIST12 2022 - Grand Finale**

## Track Evaluations:

The participants started presenting their innovative ideas to the juries and demonstrating their amazing working models to the judges. The first offline mode of presentation was done for the participants who were on the college campus, and the second online mode of presentation was done for the participants who were not able to participate in the event in offline mode. The online presentation was successfully done by using the Microsoft Teams platform, and the participants who participated in the online mode demonstrated their working model by sharing a video via the platform.

The judges evaluated and scored each team based on their presentation, innovative ideas, and demonstration of their working model, if they had.

All participants who were present in their project received a participation certificate, and the judges gave the participants some advice on how to take their project to the next level.

The **WePOWER Track** in IEEE YESIST12 was started in collaboration with this initiative to increase innovation in the energy and power sector led by women. It is an international project/idea presentation competition for students and young professionals on the theme "Sustainable Energy - Meeting the Rising Energy Demands".

The goal of **Special Track** is to develop original solutions to address human problems on a global scale. It is the most recent track to be included in YESIST12 for its 2020 edition and focuses on offering clever solutions to some of the most difficult business and humanitarian problems facing the world today. The Special Track intends to address additional problems that people on the planet are facing in 2022.

This exceptional platform **Innovation Challenge**, conducts competition in two stages. The preliminary stage was conducted across Asian and African countries and the team that tops the round won a chance to compete globally to address humanitarian and social issues like poverty, famine, special needs, women safety, healthcare, disaster management, and many more. Dreaming leads to creativity and creativity innovates the future. The theme Preparing for the future: Sustainable Transformative Technologies aims to create a platform for the Engineering Students and professionals to think about futuristic technologies like autonomous vehicles, robotic companions, self repairing systems, disaster prediction and risk management and so on.

**Junior Einstein Track** acts as a catalyst for innovation and provides a transformative opportunity to broaden the horizon of knowledge among curious young minds. This initiative aims at empowering the next generation of innovators, nurturing their ideas, and increasing their thirst for finding solutions to various social issues. This event makes an effort to harness the creative submissions and innovative spirit towards Scientific and technological ideas/innovations from the school students of age 12 to 17 and to get rooted as one of the major project competitions in the global arena developing a robust scientific temper among the youth.

**MakerFair Track** is a unique platform with opportunities for the innovators, makers, and creators to showcase their marvelous products to the international community. MakerFair Track aims to address maximum goals that will aid the world in addressing the difficulties it has faced in recent years, as defined by the United Nations Sustainable Development Goals.



**Figure: Glimpses of Evaluation of Projects**

### **Day 1 - IEngage Series Workshop**

Post the Inaugural session, we had an **IEngage Series Workshop** for 52 participants. The session was attended by participants in both online and offline mode. We had 5 sessions in the workshop which started with a session on “Disruption in Innovation” by Rohit Adlakha, Independent CXO Advisor. He added more insights on how to be innovative and create disruption with the help of the startup ecosystem.

We had a session on “Entrepreneurship: The India - Global Perspective” by Abhishek Bhattacharya, Bru Finance who joined us virtually and gave insights on the growing Indian Entrepreneurship.

Post Lunch, we had a session by IEngage Track Chair, Ramneek Kalra on “Idea to Product: A Research Pathway to Students”. This session laid out a framework for students and a great inspiration for them to convert their ideas to product.

Upnext we had a session on “Innovation and Entrepreneurship in Sustainable Energy” by Rushali Thakkar, IEngage Track Co-Chair with a value-add on impact of entrepreneurship and innovation towards sustainable energy.



Finally, the IEngage Series workshop ended with a session by Jay Shah from EY on “Building a Sustainable Startup Ecosystem. He shared ways and tools for sustaining in the startup ecosystem and making a successful entrepreneurship career.



**Figure: IEngage Series Workshop Day 1**

Post the workshop, we had a cultural show performed by SVCE college students, YESIST12 Participants and Volunteers.



**Figure: Cultural Session by SVCE College students and YESIST12 Volunteers**

## Day 2

Day 2 started with a photo session in the amphitheater of SVCE, Bengaluru. The participants, delegates, and volunteers took a group photo as a memory of being part of this grand international event.



**Figure: Photo session with YESIST12 Participants, Delegates and Volunteers.**



**Figure: Photo session with YESIST12 Chairs and Volunteers.**

The second day continued with a Keynote talk by Ms. Mary Elan Randall, founder/CEO of Ascot Technologies, Inc., and Treasurer of IEEE. The session was a brief introduction about the IEEE MOVE International Community Outreach Program. Mary explained about the technologies used by the MOVE Program and how it has supported disaster recovery operations across the USA. She also introduced the MOVE representatives of India to the audience who all shared insights about the growth of MOVE Program in India. The Keynote speaker also provided flyers related to MOVE program and sketching sheets with MOVE trucks.





**Figure: Keynote Session on IEEE MOVE Program and Special talk by MOVE India leads**

Followed by a power-packed workshop by IEngage Team for YESIST12 finalists and Participants. Ramneek Kalra, the Chair of IEngage Track kickstarted the workshop with his insightful session on “Idea to Product: A Research Pathway to Students” where he emphasized the importance of converting an idea to startup with proper research.

Upnext we had a session by Jay Shah from EY on “Building a Sustainable Startup Ecosystem. He shared ways and tools for sustaining in the startup ecosystem and making a successful entrepreneurship career.

Finally the workshop ended with a session of “Digital Marketing - A Tool for Entrepreneurs” by Kamya Johar, NTT Data Services. She provided wonderful insights on the growing importance of Digital Marketing and usage of Digital, Social Media tools to take Products to the next level.



**Figure: IEngage Series Workshop Day 2 for Participants of YESIST12**

Up next we had the final keynote sessions of the grand finale.

The first keynote session was given by Mrs. Suja Warriar, HR Manager Diversity Equity and Inclusion, Infosys Ltd who shared her valuable experiences in disaster recovery, inclusion & diversity. She insisted the students to focus on more innovation and diversity.

The finale keynote session was given by Mr. Srikanth Chandrasekaran, Practice Lead, Foundational Technologies, IEEE SA and Sr. Director, IEEE India Business Operations. He shared about the importance of IEEE standards with the methods to make the best of IEEE Standardisation in building the startups



**Figure: Keynote Sessions Day 2 by Suja Warriar and Srikanth Chandrasekaran**

Then we finally reached the exciting closing ceremony of YESIST12 2022. The ceremony started with the invocation song of Karnataka State Anthem played by SVCE college. Then we had felicitation talks from our Sponsors & Partner IEEE India Council Chair, IEEE R10 Director, IEEE Delhi Section Chair, IEEE Pune Section Chair, IEEE Bengaluru Section Treasurer, IEEE Computer Society Membership Director. They wished all the participants a good success. The MCs Venkat and Aditi, thanked all the Sponsors, Partners and Pilots who have been a great support to YESIST12.

Our Sponsors:

Platinum Sponsor - IEEE Computer Society

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Emerald Sponsors - IEEE Madras Section, IEEE Bangalore Section, IEEE Pune Section, IEEE Delhi Section, IEEE Mysore Sub-Section.

Our Partners & Patrons:

IEEE iExplore, IEEE India Council, IEEE Region 8, IEEE Region 10 Women in Engineering, IEEE TRY Engineering, STEM Portal, WePower, IEEE Entrepreneurship, IEEE Region 10 Education Activities Committee, Kamalavathi Senior. Sec School Tuticorin, Japanese Pluz.



Up next we had the participants of YESIST12 sharing their feedback about their journey through YESIST12. They were excited about their learning experience and final presentation sessions. Then the volunteers of YESIST12 shared about their wonderful volunteering experience in YESIST12 and how it helped them grow personally and professionally.



**Figure: Felicitation talk by Partners and Feedback by Participants, Volunteers**

The prize distribution started with each track chair coming to the stage and sharing their experience of leading their tracks. Also they gave light on the diversity of participants and their submissions. They thanked the juries, mentors, volunteers, pilots, participants and entire YESIST12 team for their exemplary support. The track chairs then announced the winners. The awards were provided to the participants by the keynote speakers.

For **Junior Einstein Track**, we had 200+ abstracts submitted by participants from 5 countries. For finals, 43 participants were invited both offline and online. The winners of JE track was V.Anis Sankar from Kamalavati Senior Secondary School, India who presented Automatic Waste Disposal. The runner ups of JE track were students from Devanagar Girls Higher Secondary School who presented their project on Confy Aid. There were 5 exceptional projects which were honorable mentions of Junior Einstein Track.

For **Maker Fair Track**, we had 36 abstracts submitted by participants from 3 countries (India, Egypt and Indonesia). For finals, 26 participants were invited both offline and online. The winners of JE track were students from KS Rangasamy College of Technology, India who presented “Floor Step Energy Generation”. The runner ups of Maker Fair track were students from Sri Krishna College of Engineering and Technology who presented their project “HEXA”. There was 1 exceptional project which was special mention of Maker Fair Track from Sahdaya Collehe of Engineering & Technology who presented their project on “Portable Power Assist for Wheelchair”

For **WePower Track**, we had 36 abstracts submitted by participants from 4 countries (India, Egypt). For finals, 26 participants were invited both offline and online. The winners of WePower track were students from Arab Academy For Science, Technology and Maritime Transport, Egypt who submitted project on “AGV - Automatic Guided Vehicle”. The Runner-Up of WePower Track was from Mar Athanasius College of Engineering, India who submitted project on “Green EV Charging Stations: Unearthing Tarmac Power”. The honourable mention of WePower Track was team from Jansons Institute of Technology, India who submitted their project on “Evacuated Tube Solar Air Heater”

For **Innovation Challenge Track**, we had 337 abstracts submitted by participants from 9 countries. For finals, 49 participants were invited both offline and online. The winners of Innovation Challenge track were students from “KCG COLLEGE OF TECHNOLOGY” who presented their project on “AEGISTEC - Mother Care Shield”. The Runner-Up of IC track was students from Arab academy for science and technology, Egypt who submitted their project on “Wireless Hand Control car”. The Honorable mentions of IC Track were students from SVCE, Bengaluru who presented their project on “Device to aid the Visually Impaired” and students from BANNARI AMMAN INSTITUTE OF TECHNOLOGY who presented their project on “VENTOXY”

For **Special Track**, we had 76 abstracts submitted by participants from 6 countries. For finals, 14 teams were invited both offline and online. The winners of Special track were students from Vivekananda College of Engineering and Technology, Puttur who submitted the project on “Low Cost Digital Hearing Aid”. The Runner-Ups was team from Government Engineering College Idukki who submitted their project on “Pluto - An innovative modular robotic kit”. The Honorable mention of Special Track was team from “Bannari Amman Institute of Technology” who presented their project “SAFE BOX”.



**Figure: Winners of YESIST12 2022**

Then we had an appreciation talk by Dr.Ramalatha Marimuthu, General Chair of YESIST12. She congratulated all the winners and wished them great success in their entrepreneurship venture.

Then we announced the vibrant pilots of YESIST12 who were supportive in organising the initial rounds of YESIST12 2022.

Vibrant Pilot - Grand Entry

Winner - K.L.E Institute of Technology Hubballi

Honorable mention - St. Joseph's College of Engineering

Honorable mention - IEEE Uganda Section

Vibrant Pilot - Excellence

Winner - IEEE-Eta Kappa Nu at Arab Academy for Science, Technology & Maritime Transport (AASTMT), Egypt

Vibrant Pilot - Hall of Fame

Winner - Sri Venkateshwara College of Engineering

Honorable Mention - Kamlavati Senior Secondary School

Vibrant pilot - Loyalty

Winner - Panimalar Institute of Technology

Honorable Mention - Vidya Vikas Institute of Engineering and Technology



**Figure: Winners of Vibrant Pilots YESIST12 2022**

Finally the vote of thanks was given by Mr. Abdul Halik, the publicity chair of YESIST12 2022. The session ended with the Indian National Anthem!!!