

Date: 07 December 2020

Inaugural Function of
"SVEC IUCEE EWB-INDIA Student Chapter"

Introduction:

Indo-Universal Collaboration of Engineering Education:

Indo Universal Collaboration for Engineering Education (IUCEE) was conceptualized in 2007 by over 150 leaders of engineering education and businesses from US and India. The name was modified as Indo US Collaboration for Engineering Education in 2016 to reflect the more global nature of the collaborations. The IUCEE is one of the founder members of IFEES (International Federation for Engineering Education Societies), which was the primary facilitator for the growth and development of IUCEE. The vision of IUCEE is to improve the quality and global relevance of engineering education and research in India for the benefit of engineering educators across the world. The major focus is on faculty development, student development, curriculum development, as well as improved teaching technologies & engineering education research.

The IUCEE is guided by a team of Indian and International Experts from academia—Global Academic Advisory Forum (GAAF), and industry—Global Industrial Advisory Forum (GIAF). A fundamental strength of IUCEE is its network of engineering educators across the world who are passionate about the quality of engineering education, and its ties with global organizations such as International Federation of Engineering Education Societies (IFEES), Global Engineering Deans Council (GEDC), American Society for Engineering Education (ASEE), Accreditation Board for Engineering and Technology (ABET), International Society for Engineering Pedagogy (IGIP), Engineering Projects in Community Service (EPICS), Research in Engineering Education Network (REEN) and Engineers Without Borders (EWB) and the Deshpande Foundation. Leadership and experts from these organizations are regular participants of IUCEE events and programs.

Inauguration Ceremony:

The vision of IUCEE is to improve quality and global relevance of engineering education in India. IUCEE's Mission is to build an ecosystem for transforming engineering education in India with assistance of engineering education expert and industry across the world.

Sree Vidyanikethan Engineering College and Indo Universal Collaboration for Engineering Education (**IUCEE**) has initiated a Engineers Without Borders (EWB) Student Chapter with a motive to engage the members of faculty and students to integrate Engineering Projects in Community Service into curriculum to address human, community and environmental needs.

SVEC IUCEE EWB - India Student Chapter Sree Vidyanikethan Engineering College:

VISION: To nurture and motivate students to undertake real life sustainable social projects and create Global Leaders. Our chapter offers the opportunity for the students to practice teamwork, problem solving, and innovation. Furthermore, students have the unique opportunity to apply their engineering skills to serve global communities

MISSION: To partner with corporate and social organizations, involve students and offer sustainable solutions in the areas of Water, Sanitation, Energy, Health & Education to improve the quality of life for common people.

Chapter Details:

- Faculty Advisor: Dr. J. Avanija, Associate Professor, Department of Computer Science and Engineering. (<https://www.linkedin.com/in/dr-avanija-j-a4383031>)
- President: K Uday Radhesh, IV B. Tech - EIE, TEP Alumni, ISB. (<https://www.linkedin.com/in/uday-radhesh-kundeti-270798168>)
- Secretary: Shaik Naushab, III B. Tech - CSE, Core Committee Member, IUCEE. (<https://www.linkedin.com/in/shaik-naushab-ahmed-4047981a4/>)

The student members avail the following facilities:

- Get a chance to participate in Virtual IUCEE Annual Student Forum (IASF) during 8-10th January 2021.
- Funding and support for the community projects.
- Get a seed funding for Start-up Ideas.
- Guidance for community projects by Global Professionals in IUCEE Network.
- Chance of getting Internships by global professionals depending on the performance in community projects of the student chapter.
- Participate in Student Leadership Summit conducted by IUCEE every year.
- Attend Global Webinars conducted by IFEEs, GEDC and UMass Lowell (Entrepreneurship)
- Avail resources from Incubator of Institute Innovation Council and Entrepreneurship Development Cell of our college.

Activities & Events to be conducted by the IUCEE & EWB India Student Chapter – Sree Vidyanikethan Engineering College in 2021:

- Virtual IASF 2021 (8-10 January 2021).
- Start inviting proposals for Start-ups.
- Guest Speech – IUCEE Professional Network (January) (A set of guest speakers every month).
- IUCEE Virtual Student Hackathon in February.
- Conduct a general meeting after hackathon to finalize the list of projects to be undertaken for the rest of the year. (February).
- Invite Proposals for Community Projects finalised under IUCEE student hackathon. (March).
- Conduct workshops on Design thinking and Entrepreneurship in association with MHRD Innovation Cell and Entrepreneurship. Development Cell of our College. (April)

Inaugural address: Dr. P. C. Krishnamachary, Principal. SVEC

Zoom Meeting

LIVE on YouTube

Participants (63)

Find a participant

- SN Shaik Naushab Ah... (Co-host, me)
- DJ Dr. Avanija J (Host)
- K krish (Co-host)
- KP Krishnamachary P.C (Co-host)
- 1K 17121A1017 K UDAY R... (Co-host)
- SP Sampada Pachauri (Co-host)
- DN Dr. N PADMAJA
- 1S 17121A02G2 SHAIK KHALID FAY...
- 1S 17121A0322@Nikhil Sai Reddy ...
- 1S 17121A0418 Sai Varun
- 1S 17121A04C5_KPREM SUKUMAR
- 1H 17121A04C9 Hemanth Kumar
- 1M 17121A04D5 MALLETI NAVEEN K...
- 1R 17121a04j3 Rakesh
- 1A 17121A1002 A Madhuri
- 1S 17121a1218 Sumedh

Unmute Stop Video Security Participants Chat Share Screen Record Reactions Leave

Type here to search

77% ENG 10:36 07-12-2020

Zoom Meeting

LIVE on YouTube

Participants (62)

Find a participant

- SN Shaik Naushab Ah... (Co-host, me)
- DJ Dr. Avanija J (Host)
- K krish (Co-host)
- KP Krishnamachary P.C (Co-host)
- 1K 17121A1017 K UDAY R... (Co-host)
- SP Sampada Pachauri (Co-host)
- DN Dr. N PADMAJA
- 1S 17121A02G2 SHAIK KHALID FAY...
- 1S 17121A0322@Nikhil Sai Reddy ...
- 1S 17121A0418 Sai Varun
- 1S 17121A04C5_KPREM SUKUMAR
- 1H 17121A04C9 Hemanth Kumar
- 1M 17121A04D5 MALLETI NAVEEN K...
- 1R 17121a04j3 Rakesh
- 1A 17121A1002 A Madhuri
- 1S 17121a1218 Sumedh

Unmute Stop Video Security Participants Chat Share Screen Record Reactions Leave

Type here to search

78% ENG 10:38 07-12-2020

Faculty Advisor Note – Dr . J. Avanija, Associate Professor, Department of CSE



List of Activities done so far



- **Design Thinking and Community based Design Course :**

22 members of faculty completed “**Design Thinking**” course during June 2018. During 2019 ,15 members of faculty participated in “Design Thinking Course” by Prof. William Oakes, Purdue University, USA. He visited SVEC on 07.06.19 to review the progress of EPICS activities. and interacted with faculty . Design Thinking is introduced as part of curriculum during 2019.

- **SVEC-EPICS Projects**

- Dengue Prediction Application (Web App)-CSE
- Design and Analysis of a Mechanical device for Reduction of Hand Tremors-ME
- Baby Activity Tracker-EEE & CSE
- Automation of Irrigation - ECE
- Water Flow Regulation-EIE
- Vending Machine - EIE
- Smart Traffic Control System – ECE

zoom



List of Activities



- **Courses conducted for Students**

- 4 students from Civil and Mechanical Engineering registered for “**IUCEE-Course On Clean And Green Campus**” started during July 2020.
- 22 students participated in “**IUCEE Course on Soft Skills**” conducted during August 13th to August 30th 2020. 14 students completed the course and got certified.
- 28 students registered for “**IUCEE Course on AI for All**” September to November 2020.
- 22 students registered for “**IUCEE Entrepreneurship Course**” August to December 2020.

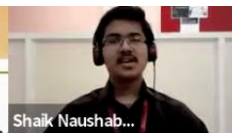
zoom

Student Chapter Presentation - Shaik Naushab – Secretary, III B.Tech CSE



Facilities Availled by Student Members

- Get a chance to participate in Virtual IUCEE Annual Student Forum.
- Funding and support for the community projects.
- Get a Seed funding for Startup Ideas.
- Guidance for community projects by Global Professionals.
- Chance of getting Internships by global professionals. Depending on your performance in community projects of student chapter.
- Participate in Student Leadership Summit conducted by IUCEE each year.
- Attend Global Webinars conducted by IFEEES, GEDC and UMass Lowell- (Entrepreneurship)



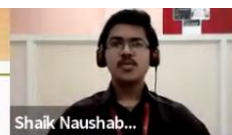
zoom



Activities Planned

Activities & Events to be conducted by the IUCEE & EWB India Student Chapter – Sree Vidyanikethan Engineering College in 2021 Q1:

- Virtual IASF 2021 (8-10 January 2021)
- Start inviting proposals for Startups.
- Guest Speech – IUCEE Professional Network (January) (A set of guest speakers each month)
- IUCEE Virtual Student Hackathon in February.
- Conduct a general meeting after hackathon to finalize the list of projects to be undertaken for the rest of the year. (February).
- Invite Proposals for Community Projects finalised under IUCEE student hackathon. (March)
- Conduct workshops on Design thinking and Entrepreneurship in association with IIRI Innovation Cell and Entrepreneurship Development Cell of our College. (April)



SREE VIDYANIKETHAN
Engineering College
(Autonomous)
zoom

Institute Innovation Council Note by Dr. N. Padmaja, Professor, Department of ECE

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Students Clubs" in red. The slide content includes a paragraph and a list of clubs. The Zoom toolbar at the bottom shows various controls like Unmute, Start Video, Security, Participants (55), Chat, Share Screen, Record, and Reactions. The right sidebar shows a list of participants with their names and status icons.

Students Clubs

Various Students Clubs are established for encouraging and motivating the students to learn in a team based and collaborative environment to acquire life skills.

- Idea Club
- Readers Club
- APP development club
- Coding Club
- Web development club
- Robotics Club
- Gaming Club
- Campus Radio
- Arts & Literary Club
- NSS & Army Green

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Objectives" in red. The slide content includes a paragraph and a list of objectives. The Zoom toolbar at the bottom shows various controls like Unmute, Start Video, Security, Participants (54), Chat, Share Screen, Record, and Reactions. The right sidebar shows a list of participants with their names and status icons.

Objectives

Centre for Innovation & Technology Incubation

- To conduct various innovation and entrepreneurship awareness Camps to inculcate a culture of innovation driven entrepreneurship
- Organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries
- To motivate, support and mentor students for identification and development of their innovative ideas.
- Network with peers and national entrepreneurship development organizations.
- Provide services, information and guidance to budding entrepreneurs.
- Establishment of entrepreneurship Incubation centers

Chief Guest- Dr. Krishna Vedula

(Executive Director, IUCEE and Dean Emeritus, University of Massachusetts Lowell)

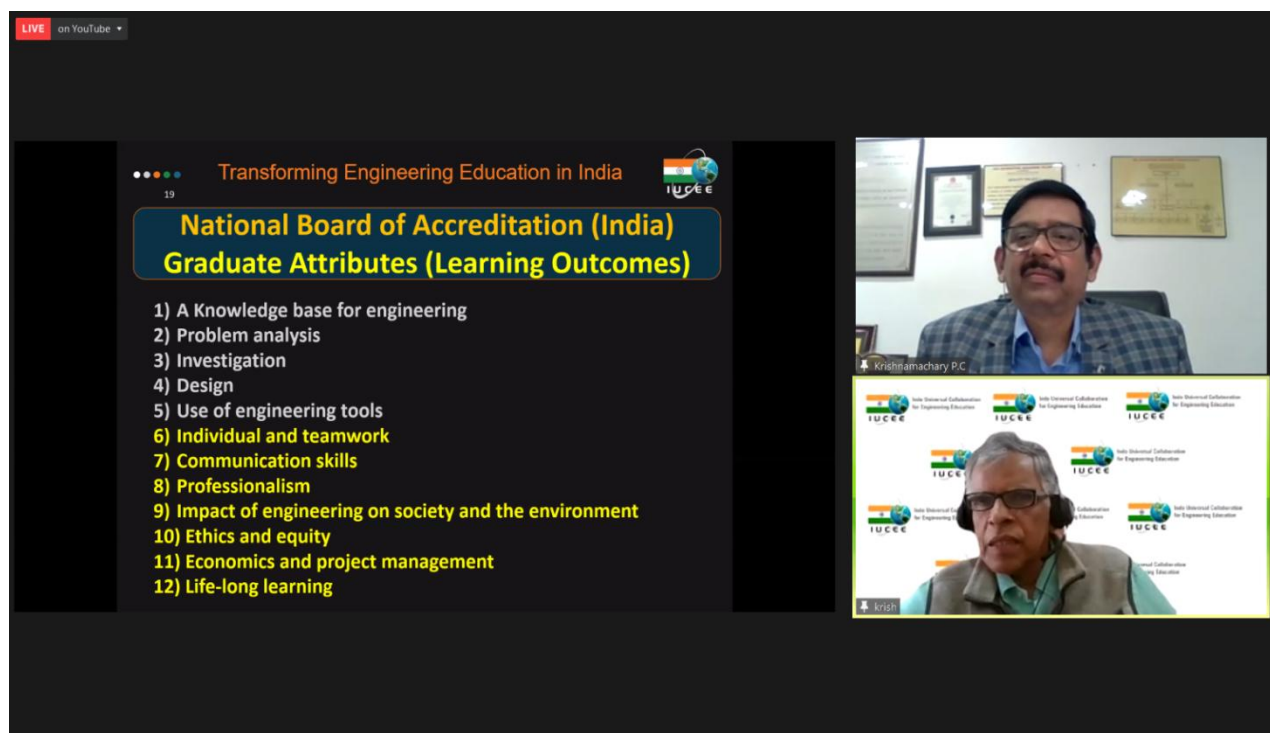
Profile:

Krishna Vedula is Professor of Chemical Engineering and Dean Emeritus, Francis College of Engineering, University of Massachusetts Lowell. Dr. Vedula has B.Tech (IIT Bombay, 1967), M.S. (Drexel University, 1969) and Ph.D. (Michigan Tech University, 1980) degrees in Materials Engineering. He has 30 years academic teaching and research experience in materials science and engineering as well as engineering administration, at Case Western Reserve University, Iowa State University and University of Massachusetts Lowell.

Dr. Vedula is currently founder and executive director of the Indo-Universal Collaboration for Engineering Education (IUCEE) facilitated initially by American Society for Engineering Education (ASEE). IUCEE has the objective of improving quality and global relevance of engineering education in India and US. In addition, he had been the President of IFEEES (International Federation for Engineering Societies) from 2010 to 2012.

Dr. Vedula is well recognized globally for his contributions to engineering education, research, administration and outreach. He is internationally recognized for his research in processing and properties of materials for high temperature applications. He has been made a Fellow of American Society for Metals (ASM) and a Fellow of the American Society for Engineering Education (ASEE).

Dr. Krishna Vedula addressing the students about “Transforming Engineering Education in India”



LIVE on YouTube

Transforming Engineering Education in India

19

National Board of Accreditation (India)
Graduate Attributes (Learning Outcomes)

- 1) A Knowledge base for engineering
- 2) Problem analysis
- 3) Investigation
- 4) Design
- 5) Use of engineering tools
- 6) Individual and teamwork
- 7) Communication skills
- 8) Professionalism
- 9) Impact of engineering on society and the environment
- 10) Ethics and equity
- 11) Economics and project management
- 12) Life-long learning

Krishnamachary P.C.

Krishna

Dr. Krishna Vedula addressing the students about 'Nurturing the Ecosystem'

Recording **LIVE** on YouTube

Transforming Engineering Education in India

Nurturing the Ecosystem

Krishnamachary P.C.

Krish

Dr.Avanija J

Recording **LIVE** on YouTube

Krish	Krishnamachary P.C.	Shaik. Naushab Ahmed	Dr.Avanija J	17121A1017 K UDAY RAD...
Sampada Pachauri	Dr. N PADMAJA	Upparahal \$oma...	sujatha machineni	Madhusudhana...
19121A05B7_H...	19121A1016 G...	17121A02G2 SH...	19121A1042(Ra...	19121A1030 K...
19121A1009 CH...	19121A1034 ~H...	19121A1033 Sai...	17121A04D5 M...	19121A1008 (Ch...
17121A04C5_K...	17121A04C9 He...	19121A1022 Ha...	18121a05p1 Ro...	17121A1002 A...

Guest of Honour - Ms. Sampada Pachaury

(Founder at Sharpness Simplified and Director - IUCEE)

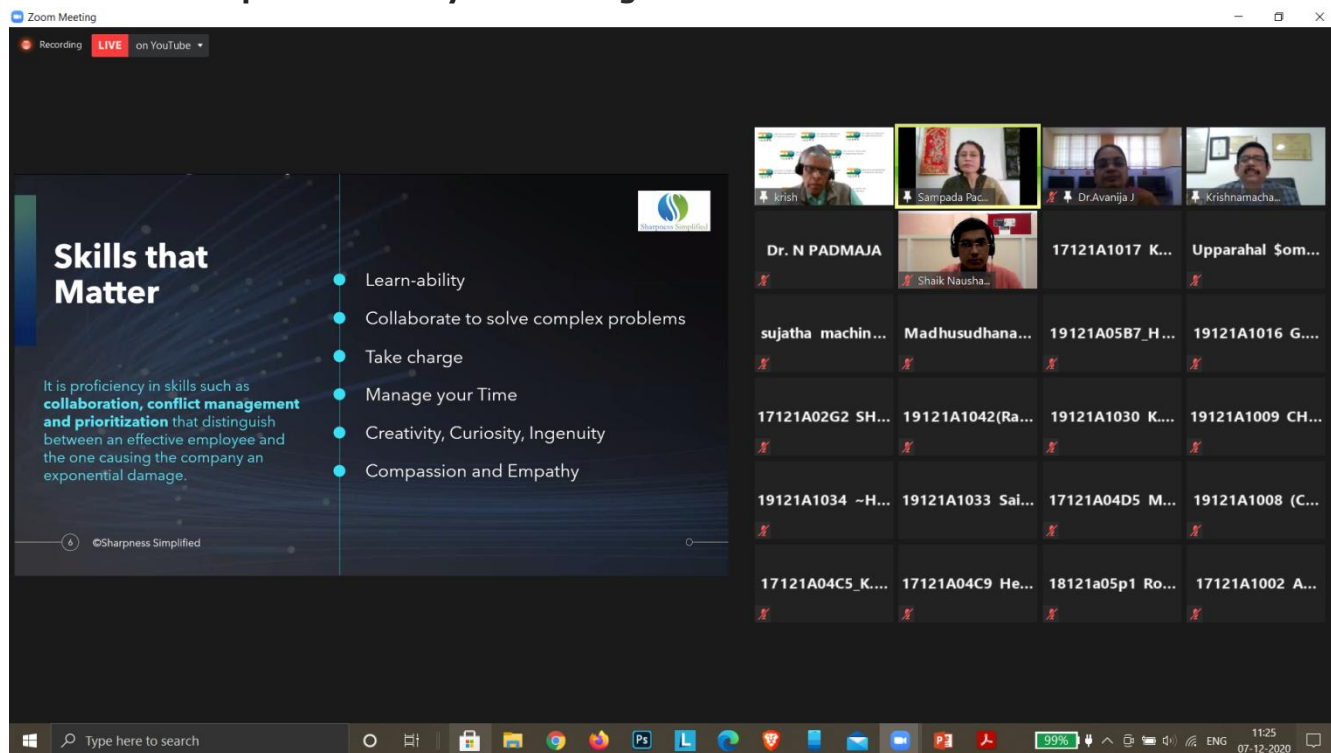
Profile:

Sampada Pachaury is currently serving as a Director and Global Industry Advisory Member with IUCEE Foundation. Her primary focus is on empowering students to grow in their domains and bring out their best performance.

She is a Post Graduate in VLSI Design from IIT Delhi. She has worked with STMicroelectronics India and Italy, Micron Technology Inc. USA, and Sankalp Semiconductors (now HCL technologies). She served as Vice President at Electronics Sector Skills Council of India to lead technical training & industry skill development of engineering students.

She is also a fitness and sports enthusiast and an amateur long-distance endurance cyclist riding across cities and mountains.

Ms. Sampada Pachaury addressing the students about "Skills that Matter"




Ms. Sampada Pachaury addressing the atudents about Knowledge (Competency) and Skills

Zoom Meeting

Recording **LIVE** on YouTube

Start line, Finish line



The Knowledge will help you to prepare and plan. It will bring you to the Start Line.
The Skill will take you to the Finish line and beyond.

How well you finish is the summation of your knowledge (competency) and skill (execution)

©Sharpness Simplified Source : Race Across America

Participants in the video call:

- Sampada Pachaury
- krish
- Krishnamachary P.C

Windows taskbar: Type here to search, 97% battery, 11:16, 07-12-2020

Student Chapter Note - K.Uday Radhesh – President, IV B.Tech EIE

Zoom Meeting

Participants in the video call:

- Dr. Avanija J
- K. Uday Radhesh
- Krishnamachary P.C
- krish
- Sampada Pachaury
- Dr. N PADMAJA

Zoom logo