

Expert Talk on Innovation & Entrepreneurship

— By SVEC IUCEE EWB - INDIA Student Chapter

Chief Guest:

Mr. Sanjay Deshmukh

CO-FOUNDER, DIRECTOR AT
NURTURE EARTH RESEARCH AND
DEVELOPMENT PVT. LTD.

Guests of Honor:

Ms. Sampada Pachaury

FOUNDER AT SHARPNESS SIMPLIFIED
& DIRECTOR AT INDO UNIVERSAL COLLABORATION
FOR ENGINEERING EDUCATION (IUCEE)

Dr. Raju Dandu

DIRECTOR AT BULK SOLIDS INNOVATION CENTER
& PROFESSOR AT KANSAS STATE UNIVERSITY
POLYTECHNIC, UNITED STATES

DATE: 9TH APRIL, 2021

TIME: 2:30 PM (IST)

Dr. P.C. Krishnamachary

PRINCIPAL, SVEC

Dr. B. Narendra Kumar Rao

PROFESSOR & HEAD, DEPT. OF CSE

Dr. J. Avanija

ASSOCIATE PROFESSOR, CSE
FACULTY ADVISOR
SVEC IUCEE STUDENT CHAPTER

Dr. N. Padmaja

PROFESSOR, ECE
COORDINATOR - INSTITUTE
INNOVATION COUNCIL



STUDENT CHAPTER

Dr.J.Avanija

Date: 09th April, 2021

Expert Talk on
Innovation & Entrepreneurship
Organized by
"SVEC IUCEE Student Chapter"

Department of Computer Science and Engineering

Introduction:

Indo-Universal Collaboration of Engineering Education:

Indo Universal Collaboration for Engineering Education (IUCEE) was conceptualized by over 150 leaders of engineering education and businesses from US and India in 2007. The name was modified in 2016 from Indo US Collaboration for Engineering Education to reflect the more global nature of the collaborations. 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 with related benefits to engineering educators around the world. The major focus is on faculty development, student development, curriculum development, as well as improved teaching technologies & engineering education research. An expert talk on "Innovation and Entrepreneurship" had been organized in collaboration with IUCEE. Mr. Sanjay Deshmukh, Co-Founder, Director at Nurture Earth Research and Development Pvt. Ltd was the Chief Guest. Ms. Sampada Pachaury, Founder at Sharpness Simplified and Director - IUCEE and Dr. Raju Dandu, Director, Bulk Solids Innovation Center and Professor at Kansas State University Polytechnic consented to be the guest of honor for the event. A total of 58 students from III Year B.Tech. participated in the event and got benefited.

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 from around 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.

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

History

Year	Milestone
2007	EIEE was founded
2010	Formation of member institutions
2011	Virtual Academy
2014	EIEE Conference
2014	Collaboration Journal
2015	EIEECP Teachers Training Certificate
2017	Leadership Summit
2018	Academic Clusters
2019	EIE Certificate
2019	Student Leadership Certificate



Projects Planned

I. A. Rangampeta Cooperative Society (Generate Alternative Revenues)

- Protection of 640 - Indigenous cows
 - Produce Cow dung based products
- Implement Zero Budget Natural Farming (ZBNF)
 - Market Natural Food Products (MoC with TTD and College and other organizations)
- Develop an educational hub (Prakruti Vana Aashram)
 - Create R&D Centre for Innovation and Startups in Agrotech
- Support Eco-Tourism (Attract Tourists of Tirunada)
- Support from Institute in terms of Marketing, Student innovations and Raising Funds.
- Project Lead By Mr. G. Kuladeep Asst. Professor, Dept. of MECH-(NSS Program Officer)


KUDAY RADH...

Projects Planned

FLORAL COWDUNG COORIBS - FLORAL WASTE
MANAGEMENT IN TEMPLES OF TTD - TIRUPATI

PROJECT BATCH 3701 DEPT. OF EIE
SREE VIDYANIKETHAN ENGINEERING COLLEGE
















2. TTD Floral Waste Management

- Facilitate a Unit with Better Ideas & Solutions
- Develop a automatic machine using PLCs for a new product.
- Mentors: Mr. GN. Murthy- Industry Expert
Dr. Raju Dandu, IUCEE
Mr. Hemanth, Dept. of EIE
- Project Guide by Dr. Y.Dileep Kumar, Associate Professor and Head - Dept. of EIE.

SREE VIDYANIKETHAN Engineering College

KUDAY RADH...

Global Academy Advisory Forum (GAAF)

 Dr. Subhas Seshani Associate Director	 Dr. Yousra Kumar DECEP Director	 Dr. Anil Kulkarni	 Dr. Prathiba Nagabharathi	 Dr. Madan Rao	 Dr. Chaitu Komaraj	 Dr. Subramanian D. Rajan	 Dr. Sandhya Kulkarni	 Dr. Gopalakrishna Sarda
 Dr. Venki Subramani	 Dr. Anjanna Mantri	 Dr. Jahn Thirukan	 Dr. Raju Dandu	 Ms. Sheetal Subrah	 Dr. Vijay Karthik	 Dr. Neeraj Bask	 Dr. Rao U'Srinivas	 Dr. Shoban S. Gopalakrishnan
 Dr. Suresh Suresh@svcec.ac.in								

SREE VIDYANIKETHAN Engineering College

Chief Guest- Mr. Sanjay Deshmukh

(Co-Founder, Director at Nurture Earth Research and Development Pvt. Ltd.)

Profile:

During his entrepreneurial journey Sanjay learnt about nature as well as learnt from nature. "Abstraction" is his core strength and his approach is domain agnostic. He has worked with his colleagues to develop technologies and jointly they have 3 international patents one for "Text Analytics", second for "Algae to Omega3" and third one for "Nano ablation for cancer treatment". Fourth patent is a national one for "Nano -Kidney". He has handled projects in India, China and USA. He is also on board of BIRAC Funded medical devices rapid prototyping centre as well as mentors start-ups and renders consultancy services.

Mr. Sanjay Deshmukh Addressing the Students about "Innovation and Entrepreneurship"

Choosing a career?

Know What You are Better at...

(Mental) Cognitive - who enjoy intellectual /mental activity like thinking, reasoning learning, creativity	(Physical) Kinaesthetic- who enjoy physical activities like sports, dancing, hiking	(Social) Relational -who enjoy working relationships with people - like sales, politics,	(Material) Dexterity - who enjoy handling materials and tools / like sculpting,

Innovation Example Communication

What is Innovation?

- Drumbeats
- Smoke signals
- Messenger (Horseman, Sailors, bird)
- Semaphore - 1791
- Telegraph - (Electric - 1835)
- Telephone - (1876)
- Telex - (1930)
- Fax - (1947)
- Email - 1965 -(1969, ARPANET)
- Internet - (1983)
- Smart phone- (1992)
- Gesture & Voice assistance (2016)

What is going to Change next?

1995-2020 and beyond

Organization /Technology / Emergence	Sector	Impact
Smart Phone	Phone	Camera, Fax, Music player, CD, video player, FM radio, Phone book, digital diary, calendar,
Amazon	Online retail	Supply chain and retail
Facebook	Social media	Media, politics
Netflix	Entertainment	Streaming, regulatory
Air BNB	Hospitality	Hotel industry demand decline
Uber / Ola	Transport	Shared mobility, Care sales decline
3-D Printing	Manufacturing	On demand spares, warehousing
Synthetic biology	Food, Medicine	Vegetarian meat, personalized medicine
Drones	Air transport	Logistics and delivery, disaster management
Block-Chain & Bitcoins	Economy	Economic, political, financial,
Sustainability	All Sectors	Unimaginable
Artificial Intelligence	All Sectors	Unimaginable



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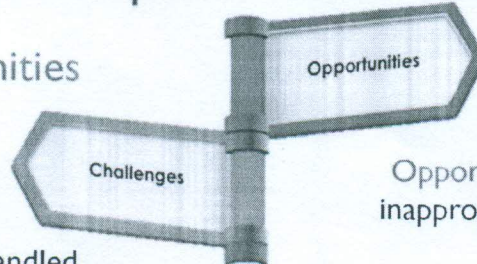
Insights for Entrepreneurs

How you respond determines su

Opportunities

Opportunities

Challenges



Challenges handled appropriately become opportunities

Opportunities handled inappropriately become challenges

Chances & Co-incidences can't be willed but happen and create unexpected opportunities

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**Presentation on Entrepreneurship by Mr. K. Uday Radhesh – President, IV BTech EIE,
TEP - ISB Alumni**

CONTENTS

- Basic overview
- Stages
- Informed Design Process
- Funding
- Business Plan Pitching
- Strategies in protecting your innovation

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STAGES OF ENTREPRENEURIAL JOURNEY

Ideation of
Problem
Statement

Building
Prototype

Product
Development

Marketing &
Funding

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