

S.A. ENGINEERING COLLEGE, CHENNAI 600 077

(An Autonomous Institution; Affiliated To Anna University)

DEPARTMENT AND ELECTRONICS AND COMMUNICATION ENGINEERING

GUEST LECTURE REPORT

ACADEMIC YEAR – 2022- 2023 ODD SEM

Topic: Recent Trends in Robotics and its Applications

Guest Speaker : Mr. K. Baskaran, Tech. Head, PUMO Technovation.

Date: 18.8.22

Participants: III Year Students



Topic: Applications of Control Systems in Real World

Guest Speaker: Mr.P.Mathiyazhagan, Scientist E, GCS Division, CVRDE.

Date: 23.8.22

Participants: II year students.



Topic: Understanding Virtual Reality and Augmented Reality

Guest Speaker : Mr.R.Vijayarajan, Project Manager, Hogarth Worldwide, Chennai.

Date: 08.09.22

Participants: III year students.



Topic: Object Oriented Programming in JAVA

Guest Speaker : Dr.B.Thanasekar, Dept. of Computer Tech., MIT, Chennai

Date: 12.9.22

Participants: II year students.



ALUMNI INTERACTION

Topic: SKILLS TO BECOME AND SUCCEED AS AN ENTREPRENEUR

Guest Speaker : Mr.Srinivasan Padavattan, Tech Lead, Capegemini.

Date: 30.9.22

Participants: IV year students.



ALUMNI INTERACTION

Topic: Chip Design and Development

Guest Speaker : Mr.Sainath, Design Verification Engr., Tessolve, Chennai.

Date: 15.10.22

Participants: IV year students.



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GUEST LECTURE REPORT

ACADEMIC YEAR – 2022- 2023 EVEN SEM

Topic: UNDERSTANDING NETWORK SECURITY APPLICATIONS USING DIGITAL TECHNOLOGY

Guest Speaker : Mr.S.Prabhu, Tech. Consulting Engr., CISCO, Bangalore.

Date: 11.2.23.

Participants: III year Students



Topic: CHALLENGES AND OPPORTUNITIES AS ENTREPRENEURS

Guest Speaker : Dr.Kamaludeen, Founder & CEO, B-Accuracy Infotech, Chennai.

Date: 21.2.23

Participants: III/IV year students.



Topic: PLANNING FOR CAREER DEVELOPMENT

Guest Speaker : Mr.Shiva Kumar, Sr.Business Development Associate, BYJUS, Chennai.

Date: 27.2.23

Participants: III/IV year students.



Topic: DATA STRUCTURES AND ALGORITHMS

Guest Speaker : Mr. Murugappan, Agile Project Manager, Virtusa, Chennai.

Date: 3.3.23

Participants: II year students.



Topic: CHALLENGES IN NETWORK SECURITY

Guest Speaker : Mr.Tyson Immanuel J, IT Analyst, TCS, Chennai.

Date: 18.4.23

Participants: III year students.



Topic: 5G- NEW RADIO RU SYSTEM

Guest Speaker : Mr.RAHUL , Sr.Hardware Engr., Capgemini, Chennai.

Date: 24.4.23

Participants: II year students.



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GUEST LECTURE REPORT

ACADEMIC YEAR – 2021- 2022 ODD SEM

Topic: SCOPE OF HARDWARE ENGINEERING

Guest Speaker : Mr. Rohit. N , Hardware Design Engineer, Hubbel India, Chennai

Date: 10.7.2021

Participants: IV year Students

DEPARTMENT OF ECE ORGANIZES TECHNICAL TALK ON "SCOPE OF HARDWARE ENGINEERING" (2021-07-09 at...

Electronic Product Design Company List

Siemens Ltd	Qualcomm India Pvt Ltd	Analog Devices	Freeseale Semiconductor India Pvt Ltd	Texas Instruments
Bosch Ltd	Honeywell Automation India Ltd	Genus Power Infrastructures Ltd	Autocop (India) Pvt Ltd	Phoenix Contact India Pvt Ltd
ABB India Ltd	3M India Ltd	Yokogawa India Ltd	Emmvee	Southern Batteries Pvt Ltd
Crompton Greaves Ltd	Antrix Corporation Ltd	Shilpi Cable Technologies Ltd	Emerson Industrial Automation Electric Power Generation Pvt Ltd	Honeywell Automation India Ltd
Exide Industries Ltd	HBL Power Systems Ltd	Minda Corporation Ltd	JCT Electronics Ltd	FCI OEN Connectors Ltd
Bharat Electronics Ltd	Lanco Solar Energy	Himachal Futuristic Communications Ltd	Elin Electronics Ltd	Astra Microwave Products Ltd
Sterlite Technologies Ltd	Dixon Technologies (India) Pvt Ltd	Epcos India Pvt Ltd	AT&S India Pvt Ltd	Surana Ventures Ltd
Amara Raja Batteries Ltd	Avnet Technology Solutions (India) Pvt Ltd	Rohde & Schwarz India Pvt Ltd	Indo National Ltd	Epitome Components Ltd
Surya Roshni Ltd	Agilent Technologies India Pvt Ltd	Precision Automation & Robotics India Ltd	Quad Electronics Solutions Pvt Ltd	MIC Electronics Ltd
Finolex Cables Ltd	Opto Circuits (India) Ltd	PG Electroplast Ltd	Digital Circuits Pvt Ltd	Continental Device India Ltd
Jabil Circuit India Pvt Ltd	Molex (India) Pvt Ltd	Waaree Energies Ltd	Ramakrishna Electro Pvt Ltd	Rishabh Instruments Pvt Ltd
Electronics Corporation of India Ltd	Genus	Interconnect India Pvt Ltd		Applied Materials India Pvt Ltd

ROHITH KIRUBA

Topic: ALUMNI INTERACTION : MATLAB FOR ENGINEERS

Guest Speaker : Ms. Jahnvi.D , Application Engineer, MathWorks,Bengaluru.

Date: 10.7.2021

Participants: III year Students

DEPT. OF ECE ORGANIZES TECHNICAL TALK EVENT ON "MATLAB IN ENGINEERING" (2021-07-10 at 05:45 GMT-7)

The collage features several technical illustrations and diagrams:

- Image Processing and Computer Vision:** A stylized human head with glowing red and blue lines representing data or neural networks.
- Signal Processing:** A profile of a human head with a blue waveform extending from the ear, symbolizing audio or signal analysis.
- Mixed-Signal SoC:** A pie chart showing the composition of a Mixed-Signal System-on-Chip (SoC): Analog (75%) and Digital (25%). Next to it is a colorful circuit board layout.
- Wireless Communicatic:** A cityscape at night with glowing blue lines and nodes representing a network or communication system.
- Analog and Digital ICs:** A screenshot of a circuit diagram labeled "TestBench" and "DUT" (Device Under Test), showing interconnected components.

On the right side of the collage, there is a dark grey circular profile picture containing the letter 'J', with the name "Jahnvi Venkat" written below it.

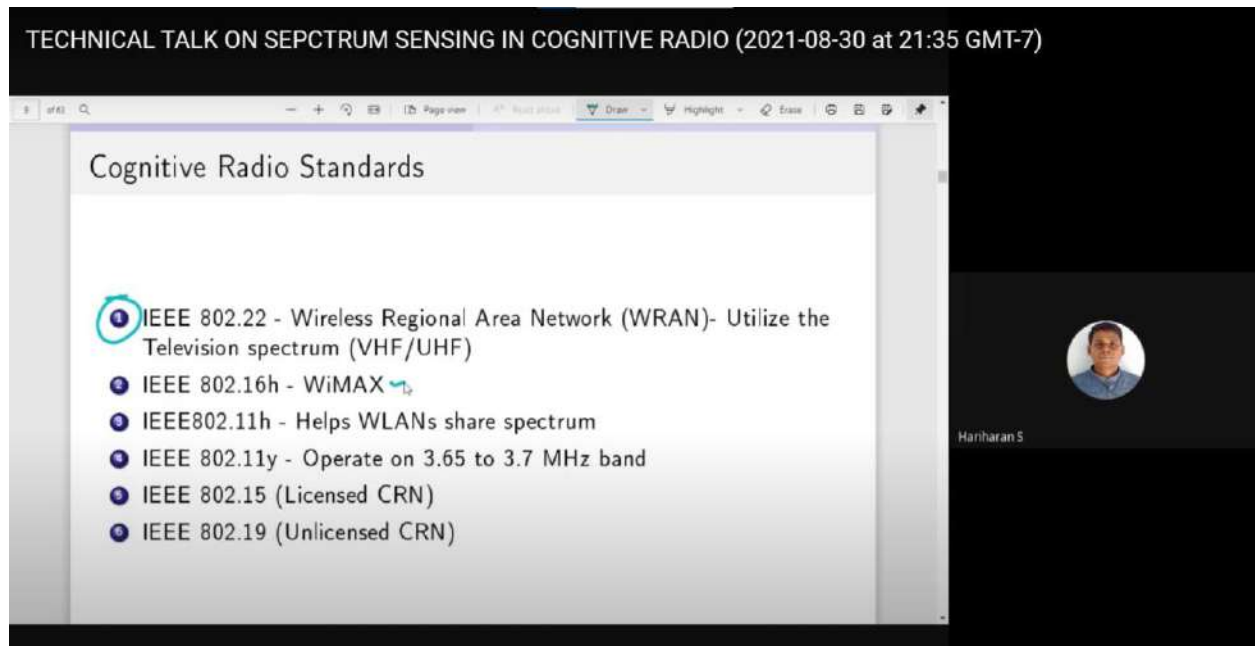
Topic: COGNITIVE RADIO – SPECTRUM SENSING

Guest Speaker : Dr.S.Hariharan, VIT Vellore.

Date: 4.8.21

Participants: IV year Students

TECHNICAL TALK ON SEPCTRUM SENSING IN COGNITIVE RADIO (2021-08-30 at 21:35 GMT-7)



Cognitive Radio Standards

- 1 IEEE 802.22 - Wireless Regional Area Network (WRAN)- Utilize the Television spectrum (VHF/UHF)
- 2 IEEE 802.16h - WiMAX
- 3 IEEE802.11h - Helps WLANs share spectrum
- 4 IEEE 802.11y - Operate on 3.65 to 3.7 MHz band
- 5 IEEE 802.15 (Licensed CRN)
- 6 IEEE 802.19 (Unlicensed CRN)

Hariharan S

Topic: ALUMNI INTERACTION: IEEE- THE WORLD OF OPPORTUNITIES

Guest Speaker : Ms. R. Janani (Alumni), Chair of Content, Development Team, IEEEYESIST
12 2021.

Date: 3.9.21

Participants: III year Students

Major Opportunities

1 REM, UPE, Larson
<https://www.computer.org/volunteering/awards/scholarships>

2 R10 Awards
<https://www.ieeer10.org/awards-recognition-committee/>

3 India Council Awards
<https://site.ieee.org/india-council/student-activities/awards/>

4 HFRC Awards
<http://hfrc-ieeeawards.org/>

Powered by StreamYard

Organized by S.A. Engineering College (Autonomous), C

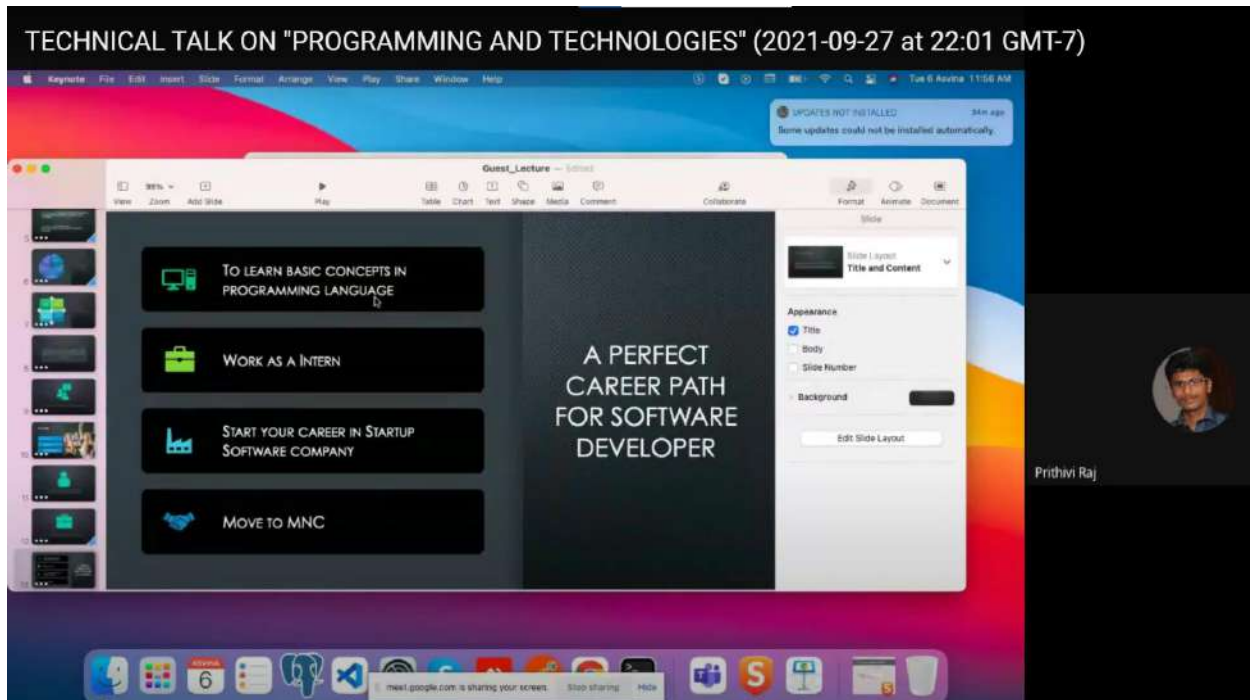
Topic: PROGRAMMING & TECHNOLOGIES

Guest Speaker : Mr. V. Prithviraj , Sr. Software Engr., Merit Group, Chennai.

Date: 28.9.21

Participants: II year Students

TECHNICAL TALK ON "PROGRAMMING AND TECHNOLOGIES" (2021-09-27 at 22:01 GMT-7)



The screenshot displays a Keynote presentation window titled "Guest_Lecture" on a Mac OS desktop. The main slide content is as follows:

- TO LEARN BASIC CONCEPTS IN PROGRAMMING LANGUAGE
- WORK AS AN INTERN
- START YOUR CAREER IN STARTUP SOFTWARE COMPANY
- MOVE TO MNC

The central text on the slide reads: "A PERFECT CAREER PATH FOR SOFTWARE DEVELOPER". The presentation interface includes a menu bar at the top, a slide navigation pane on the left, and a slide editing panel on the right. The desktop background features a colorful abstract design. The dock at the bottom contains various application icons, including a notification for "meet.google.com" stating "is sharing your screens". A notification in the top right corner indicates "UPDATES NOT INSTALLED". A small video thumbnail of the speaker, Prithvi Raj, is visible on the right side of the screen.

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ACADEMIC YEAR – 2021- 2022 EVEN SEM

TITLE: PROFESSIONAL AWARENESS IN IEEE STUDENTS ACTIVITIES

Speaker: Ms. R.Janani (Alumnae), Fellow at Teach for INDIA

Date: 4.3.2022



Title: AUTOMOTIVE TECHNOLOGIES FOR ARMOURED FIGHTING VEHICLES

Speaker: Shri. M. Kadhar Basha, Scientist G, CVRDE - DRDO

Date: 22.3.2022



Title: Essential Skill Set for IT Job Aspirants

Speaker: Mr. Prithviraj, Sr. Software Engineer, Merit Group, Chennai.

Date: 12.4.2022



Title: Program on Artificial Intelligence and Machine Learning

Speaker: Mr.N.Rajasukar, Tech Mentor- NIIT Chennai*

Date: 21.4.2022

The screenshot shows a Google Meet interface during a presentation. The main window displays a slide titled "3. Super AI" with the following text: "Super AI is a level of Intelligence of Systems at which machines could surpass human intelligence, and can perform any task better than human with cognitive properties. It is an outcome of general AI. Some key characteristics of strong AI include capability include the ability to think, to reason, solve the puzzle, make judgments, plan, learn, and communicate by its own. Super AI is still a hypothetical concept of Artificial Intelligence. Development of such systems in real is still world changing task." The slide is 5 of 26. A "Next slide" preview shows a question: "Ever heard about AI outperforming Human beings?". The meeting controls at the bottom show a time of 6:18 PM, a search bar, and various icons for chat, video, and audio. The participant grid on the right includes avatars for KARTHIK K 2019-2023 ECE, DHARANI S 2020-2024 ECE, raja niit, VARSHAA H 2019-2023 ECE, NAVEEN KUMAR E 2020-2..., DIVYADHARSHINI J A 2019..., 35 others, and You.

Title: INTELLECTUAL PROPERTY RIGHTS

Speaker: Dr. Sathyanarayanan, EdTech Professional, Co-Founder IINVTY.

Date: 26.4.2022



Title: Service Now -Cloud Computing Platform for Managing Digital Workflow

Speaker: Mr. Mukunth DevOps Engineer – I Nuvolo Tech. Pvt. Ltd.

Date: 03.6.2022

The screenshot shows a Google Meet interface with a presentation slide. The slide content is as follows:

ServiceNow Falls under 3 categories in cloud:

- PaaS
- SaaS
- IaaS

PaaS – Platform as a Service
ServiceNow has its own instance where the actions are performed

SaaS – Software as a Service
ServiceNow allows creating applications in the instance

IaaS – Infrastructure as a Service
ServiceNow has its own infrastructure which are the modules that will help creating an application.

The Meet interface includes a participant list on the right with avatars for Mukunth, YUVASRI C 2020-2024 ECE, UIDIT NARAYANAN T 2020..., NANDHA R 2020-2024 ECE, SATHIYAMOORTHY S 2020..., SATHASIVAM P 2020-202..., 25 others, and You. The bottom status bar shows the time as 6:33 PM, the meeting title 'ECE TECHNICAL TALK "SERVICE NOW - CLOUD C...', and system information like 29°C Mostly sunny and 18:33 on 03-06-2022.

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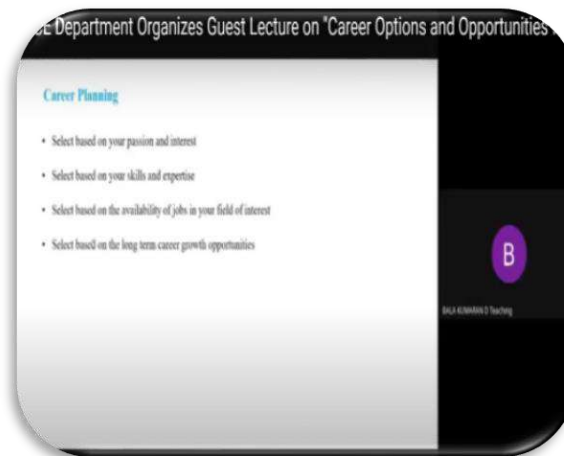
GUEST LECTURE REPORT

ACADEMIC YEAR – 2020- 2021 ODD SEM

Guest Lecture Topic: Career options and Opportunities for Electronics Graduates

Guest Speaker: Mr.Renjith.C.V. M.Tech Product Design Engr. Philips India Pvt Ltd

Date of Guest Lecture: 09.07.2020



Guest Lecture Topic: IoT Systems and its Smart Applications

Guest Speaker: Mr.R.Kumaraswamy, HR & Technical Operations, Pantech Solutions

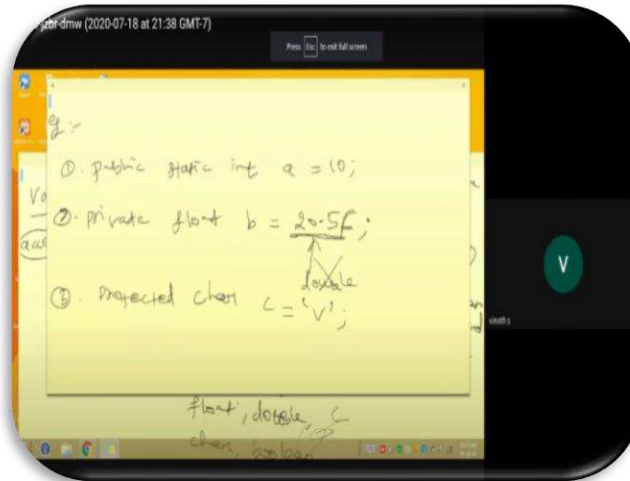
Date of Guest Lecture: 17.07.2020



Guest Lecture Topic: Technical Training in OOPS concepts

Guest Speaker: Mr.Vinoth.S Co-Founder & COO Silicon Software Services

Date of Guest Lecture: 19.07.2020



Guest Lecture Topic: Path to Entrepreneurship

Guest Speaker: Mr.Sanjeev Senta (Alumnus) Co-Founder, Tekwissen ,USA.

Date of Guest Lecture: 17.08.2020



Guest Lecture Topic: An approach to multidisciplinary Scientific and Industrial Research

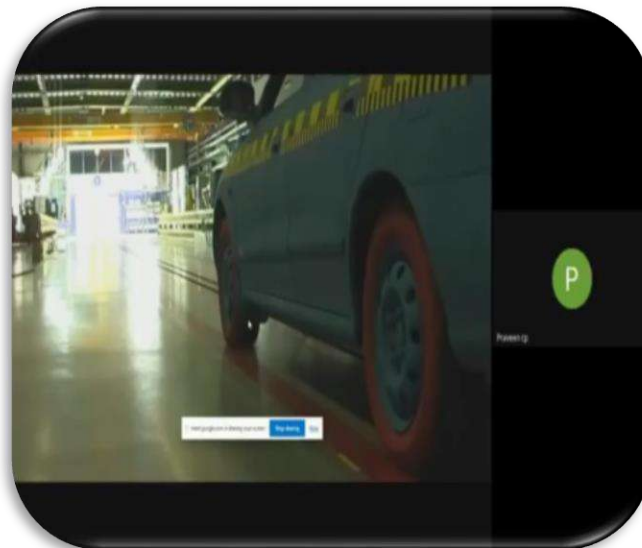
**Guest Speaker: Dr.R.Govindraj, Chief Scientist & Honorary Professor, CSIR-CEERI,
CHENNAI**

Date of Guest Lecture: 3.10.2020



Guest Lecture Topic: Industrial Internet of Things and its Role in Manufacturing Industry
Guest Speaker: Mr.CP Praveen (Alumnus) Automation/IoT Engr.,Vlogix Pvt Ltd Chennai

Date of Guest Lecture: 13.10.2020



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ACADEMIC YEAR – 2020- 2021 EVEN SEM

Title: Smart Embedded Systems in Industry 4.0

Speaker: Mr. Rohit, Co-Founder, ASHTRIX ROBOTICS, Chennai

Date: 29-1-2021

The image shows a presentation slide titled "4th Industrial Revolution" on a dark blue background. The slide lists several key features of Industry 4.0:

- ▶ 2011
- ▶ Not as Individual Machines
- ▶ Network of Machines
- ▶ IoT, Big Data, Ai and ML
- ▶ Interconnected Supply Chains
- ▶ Intelligent Robots, Vehicles, Drones
- ▶ Automatic Shipping using Delivery Robots
- ▶ Co Share with Bots

In the center of the slide, there is a green play button icon with the text "INDUSTRY 4.0" above it and "Cyber Physical Systems, smart things, networks" below it. A white Wi-Fi symbol is positioned below the play button. At the top right of the slide, there is a small diagram showing a network of devices connected to a central point.

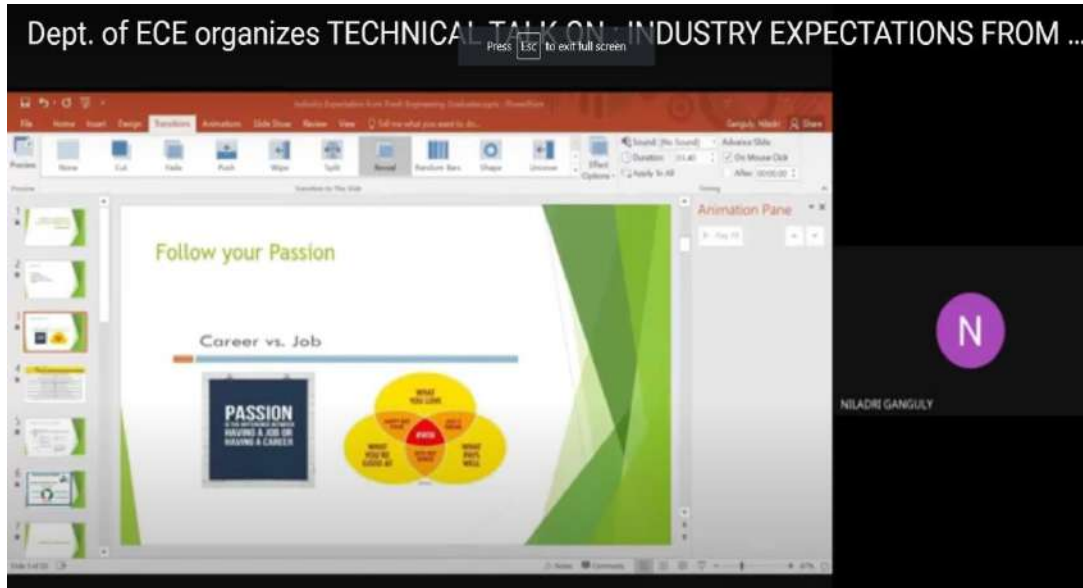
At the bottom left of the slide, there is a logo for "ASHTRIX ROBOTICS". At the bottom right, there is a logo for "STEM! ACCREDITED".

On the right side of the slide, there is a video feed of the speaker, Mr. Rohit, who is wearing a dark suit and a white shirt. The name "Rohit N" is visible in the bottom left corner of the video feed.

Title: Industry Expectations from Engineering Graduates

Speaker: Niladri Ganguly, Associate Consultant, Capgemini, Chennai

Date: 12.2.2021



Title: Managing Automation Anywhere

Speaker: Mr.Domini John, Bantech Automation Centre, Chennai

Date: 19.2.2021



Title: Service Now and Zendesk Technology

Speaker: Mr.C.Kulandayan, Alumni, Senior Software Developer, LNT Infotech

Date: 1.3.2021



Title: Robotics and its significance in society

Speaker: Mr. B. Mohanraj, (Alumni), FLDEC, Chennai.

Date: 25.3.2021



Title: MATLAB and its scope in Signal Processing

Speaker: Ms. Pranitha, Full-Time Research Scholar, Anna University.

Date: 17.4.2021

