

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING



**AN INITIATIVE BY THE DEPARTMENT OF
ELECTRONICS & COMPUTER SCIENCE**

Supporting Placements & Higher Education Requirements in Engineering (SPHERE)

SPHERE aims to create a complete 360° support system in becoming a single point of contact at the Department level for addressing student related queries of career counseling, academic guidance, placements, higher education, developing the relevant skill sets or upskilling etc. along with providing suitable resources in order to achieve them.

ACTIVITIES FOR A.Y. 2024 – 2025

No.	Name of SPHERE Activity	Date	Tag No.
1.	Choosing 'Right' Career Path & How to Prepare for it, Where to Start – Some Useful Tips, Insights & Guidance	Thursday, 11 th July 2024	1
2.	Online Preparatory Placements Guidance & Mentoring for On-campus Placements by Alumni	Saturday 27 th July 2024	2
3.	From College Campus to Corporate Crossroads – My Own Journey & Experience, Challenges, Learnings & Observations	Wednesday, 31 st July 2024	3
4.	'My Journey Towards Pursuing Higher Education in the USA'	Wednesday 21 st August 2024	4
5.	Industrial Visit to Automation Expo 2024 at Bombay Exhibition Centre (BEC), NESCO Ground, Goregaon (Mumbai)	Friday, 23 rd August 2024	5
6.	Orientation by Technology Innovation Hub for IoT (TIH-IoT) from Indian Institute of Technology Bombay (IITB) on IoT & AI-ML	Wednesday, 28 th August 2024	6
7.	Higher Studies & Career Opportunities in the Republic of France by Campus France & the French Embassy in India (Mumbai)	Friday, 4 th October 2024	7
8.	Arizona State University (ASU), USA Delegation Visit to Interact with Staff & Students for Knowledge Exchange & Higher Studies	Monday, 20 th January 2025	8
9.	Industrial Visit to UtopiaTech Solutions Pvt. Ltd. (Navi Mumbai)	Saturday, 10 th April 2025	9
10.	Where does all the Data go ? A real-world look at various Industry Insights for Data Engineering, Data Warehousing & Data Mining	Friday, 25 th April 2025	10

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)

A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity

On

CHOOSING A 'RIGHT' CAREER PATH & HOW TO PREPARE FOR IT, WHERE TO START – SOME USEFUL INSIGHTS, TIPS & GUIDANCE

By

Prof. (Mrs.) Deepa Anand Chitre

Professor of Practice (PoP),

Department of Electronics & Computer Science (ECS)




B.E. (Electronics & Computer Science) – Semester VII
Thursday, 11th July 2024

A SPHERE Activity for Choosing a Right Career Path & How to Prepare for it, Where to Start – Some Useful Insights, Tips & Guidance by Mrs. Deepa Chitre, Professor of Practice (PoP) on Thursday, 11th July 2024



SPHERE Activity for Choosing 'Right' Career Path

1. Overview & Details

Name of SPHERE Activity	Choosing a 'Right' Career Path & How to Prepare for it, Where to Start – Some Useful Insights, Tips & Guidance	
Venue / Location	Classroom No. 306/307, 3 rd Floor, Department of Electronics & Computer Science	
Activity Co-ordinator	Jayen Modi, Assistant Professor, Department of Electronics & Computer Science & In-charge Public Relations, Fr. Conceicao Rodrigues College of Engineering	
Day, Date & Timings	Thursday, 11 th July 2024 from 2:30 pm to 4:30 pm	
Key Resource Persons / Subject Expert Speakers	Prof. (Mrs.) Deepa Anand Chitre Professor of Practice (PoP), Department of Electronics & Computer Science (ECS)	
Aim & Objective of the SPHERE Activity	<p>The journey of thousand miles begins with a single step – goes a popular proverb. It is imperative to start early preparations right from beginning of the semester itself & invest in developing a requisite set of skills so that the actual placement process becomes fruitful. Organized in association with the training & placement office (TPO), the goal was to invite an industry resource person with a corporate track record to address the students of final year (B.E.) regarding the knowledge & skill sets to be developed inform them about the expected selection process. The professor of practice described the corporate ecosystem, enriching the targeted audience (prospective students) about the various aspects of the placement selection process. Many myths were busted & several questions were answered pertaining to whatever doubts students had. Primary objective was to prepare the students in advance with additional training on the specific company-related matters. It motivated the students & gave them a really good preparatory insight.</p>	
Contents of SPHERE Activity on Choosing the 'Right' Career Path & How to Prepare for it, Where to Start	<ul style="list-style-type: none"> • How to start preparations for placement process • Analyzing job descriptions to understand skill sets required • Preparation of good resume & professional etiquettes • Access to competitive coding platforms 	
Intended Audience	All interested students wishing to opt for on-campus placement process	
Programme Outcomes (PO)	<ul style="list-style-type: none"> • PO-6 :- Engineer & Society • PO-7 :- Environment & Sustainability • PO-9 :- Individual & Teamwork • PO-11 :- Project Management & Finance • PO-12 :- Life-long Learning 	

A SPHERE Activity for Choosing a Right Career Path & How to Prepare for it, Where to Start – Some Useful Insights, Tips & Guidance by Mrs. Deepa Chitre, Professor of Practice (PoP) on Thursday, 11th July 2024

2. Activity Pictures (Images)



3. Description of Activity

1. Introduction

A career guidance & mentoring session was conducted for final-year engineering students by Prof. (Mrs.) Deepa Anand Chitre, distinguished 'Professor of Practice' with Department of Electronics & Computer Science (ECS), Fr. Conceicao Rodrigues College of Engineering. With extensive experience in the corporate world, she brought valuable insights into workplace expectations, placement preparation & long-term career development.

2. Objective of the Session

The primary aim of the session was to:

- Guide students on preparing for on-campus placement drives.
- Share real-world insights from industry experience.
- Provide one-on-one mentoring & answer student queries.
- Help students align their academic learning with career aspirations.

3. Key Highlights of the Session

(a) Introduction to Industry Expectations:

She emphasized the importance of professional skills such as communication, teamwork, adaptability & a strong work ethic in the corporate sector.

(b) Resume Building Tips:

She shared best practices for crafting impactful resumes, highlighting the need to customize content based on job profiles & showcase relevant technical & soft skills.

(c) Aptitude & Technical Round Preparation:

Guidance was provided on how to prepare for common aptitude tests and technical interviews, with recommended resources & study strategies.

(d) Mock Interview Insights:

The speaker shared examples from real interviews, including common questions & model responses. She also explained how to handle behavioral interview questions using the STAR (Situation, Task, Action, Result) method.

(e) Choosing Right Career Path:

She encouraged students to evaluate job roles not just based on salary packages, but also alignment with long-term goals and passion.

(f) Question & Answer (Q&A) with Counseling Session:

The interactive part of the session allowed students to ask personalized questions about career choices, overcoming interview anxiety, dealing with rejections & improving employability skills.

4. Student Feedback

The session was well-received, with students expressing gratitude for the practical insights and encouragement. Many found the guidance to be motivating and confidence-boosting, especially as they prepare to transition from academics to professional life.

A SPHERE Activity for Choosing a Right Career Path & How to Prepare for it, Where to Start – Some Useful Insights, Tips & Guidance by Mrs. Deepa Chitre, Professor of Practice (PoP) on Thursday, 11th July 2024

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)

5. Conclusion

The mentoring session by the Professor of Practice served as a timely and impactful initiative for final-year students. The Department of Electronics & Computer Science (ECS) along with the Training & Placement Office (TPO) Cell extends heartfelt thanks to Prof. (Mrs.) Deepa Anand Chitre for her invaluable contribution & look forward to organizing more such sessions in the future to support students' career readiness.



Jayen Modi

Assistant Professor, Department of Electronics & Computer Science,
In-charge of Public Relations & Outreach (PRO),
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

* * * * *



Deepa Chitre She/Her · 1st

Technology Learning

- Fr. Conceicao Rodrigues College of Engineering
- Thakur Institute of Management Studies and Research
Mumbai, Maharashtra, India · [Contact info](#)

500+ connections

Bhushan Naik, Dr.Bhushan Patil, and 10 other mutual connections

[Message](#) [More](#)

Highlights

You both work at Fr. Conceicao Rodrigues College of Engineering
Deepa started at Fr. Conceicao Rodrigues College of Engineering 9 years and 11 months after you did

[Message](#)

About

Experienced Vice President Technology Quality and Governance with a passion for working technology. Skilled in Testing, Process Improvements and Streamlining Business Systems using Agile Methodology to ensure Quality is at the forefront of all development efforts. Strong quality assurance professional that has successfully led...

Activity

811 followers

[Posts](#) [Comments](#)

Deepa Chitre · 1st
Technology Learning
7mo ·

[#Guiltypleasure](#)

To all amazing ladies who have devoted their life to care for and support their family, I am in awe of all things you manage with with such ease and perfect time management. There one thing we all need to add to it to support your self.

I have been hearing the term "Guilty Pleasure" used when someone does something special for themselves. When I eat a tiramisu, it is my guilty pleasure because it is not great for my health and I am still enjoying eating it. That's not true when you

Deepa Chitre
Technology Learning
7mo ·

Excited to be part of Agile as a panelist

AgileMumbai
1,080 followers

[AgileMumbai.com](#) feat
Panelist for the topic- A
Careers to Rapidly Evol

do something like gift yourself a solo trip or a gadget or simply some downtime. ...more

👍❤️🌱 15 · 1 comment

🌐 89 · 6 comments



Show all posts →

Experience



Professor of Practice

Fr. Conceicao Rodrigues College of Engineering · Full-time
Jun 2024 - Present · 1 yr
Bandra, Maharashtra, India · On-site



Agile Coach

Self-employed
Sep 2023 - Jun 2024 · 10 mos
Technology trainer and Agile / SDLC coach

🔒 People Management, Test Management and +4 skills



Vice President Technology, Quality and Governance

BNP Paribas
Jul 2018 - Aug 2023 · 5 yrs 2 mos

🔒 Project Management, Agile Application Development and +10 skills



Information Technology Training

Freelance
Apr 2011 - Jun 2018 · 7 yrs 3 mos
Training on software development, testing, agile methodology and soft skills

🔒 Yoga, English and +6 skills



VP Quality Manager

JPMorgan Chase
Jun 2009 - Mar 2011 · 1 yr 10 mos

🔒 Analytical Skills and Quality Assurance

Show all 8 experiences →

Education



Thakur Institute of Management Studies and Research

masters in information management , Information Technology
2016 - 2019



Somaiya Engineering

BE, Electronics
1990 - 1994

Show all 4 educations →

Licenses & certifications



Amazon Web Services Cloud Practitioner

Amazon Web Services (AWS)
Issued May 2023



Professional Scrum Master

Scrum.org
Issued Jul 2020



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Department of Electronics & Computer Science (ECS)

Monday 8th July 2024

C I R C U L A R

An offline session on Orientation for Placements has been organized for the students of final year (B.E.) Electronics & Computer Science – Semester VII in Classroom No. 306 at 02:30 pm IST on Thursday 11th July 2024 by the Department. This is under the department-level initiative of Supporting Placements & Higher Education Requirements in Engineering (SPHERE).

The session will be conducted by Prof. Deepa Chitre, Professor of Practice, Department of Electronics & Computer Science (ECS). Attendance is mandatory for all the students who have opted for on-campus placements. This session is expected to give extremely invaluable insights towards preparation for the on-campus placement process in addition to several guidelines, tips & resources.

All students are required to be present at the venue exactly on time.

Jayen Modi
Assistant Professor & Coordinator, Training & Placements,
Department of Electronics & Computer Science
Fr. Conceicao Rodrigues College of Engineering

Dr. Sapna Prabhu
Professor & Head of Department,
Department of Electronics & Computer Science
Fr. Conceicao Rodrigues College of Engineering

CC :- Prof. Deepa Chitre
Professor of Practice
Department of Electronics & Computer Science
Fr. Conceicao Rodrigues College of Engineering



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Department of Electronics & Computer Science (ECS)

Friday, 12th July 2024

To
Prof. Deepa Chitre
Professor of Practice,
Department of Electronics & Computer Science
Fr. Conceicao Rodrigues College of Engineering

Dear Prof. Deepa Chitre Madam,

We express our heartfelt gratitude for gracing our campus & department to interact with our students of B.E. (Electronics & Computer Science) – Semester VII. Please accept our heartfelt acknowledgements towards accepting our invitation for a preparatory placement guidance session. As a resource person, your extremely invaluable inputs, tips & guidelines will not only inspire but also motivate them towards approaching the ongoing placement season with confidence; thereby putting in their best of efforts.

As an initiative by the Department of Electronics & Computer Science, SPHERE (Supporting Placement & Higher Education Requirements in Engineering) aims to provide an all-round, holistic 360° support system to our students whether it is preparations, guidance, mentoring or counseling for on-campus placements or higher education pursuits.

Once again we thank you towards this invaluable contribution in addressing our students despite your busy professional schedule & other work commitments.

Regards,

Dr. Sapna U. Prabhu
Professor & Head of Department,
Department of Electronics & Computer Science,
Fr. Conceicao Rodrigues College of Engineering.

P.S. Kindly sign with date the duplicate copy of this letter as an acknowledgement from you.



Department of Electronics & Computer Science (ECS)
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A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Initiative

A Warm Welcome to our Alumni



Yukta Arun Wagh
(TCS Digital)



Shubham Soni Nath
(Accenture & TCS Digital)



accenture

For Online Preparatory Placement Guidance on Saturday, 27th July 2024 from 03:00 pm onwards with B.E. (Electronics & Computer Science) – Batch of 2025



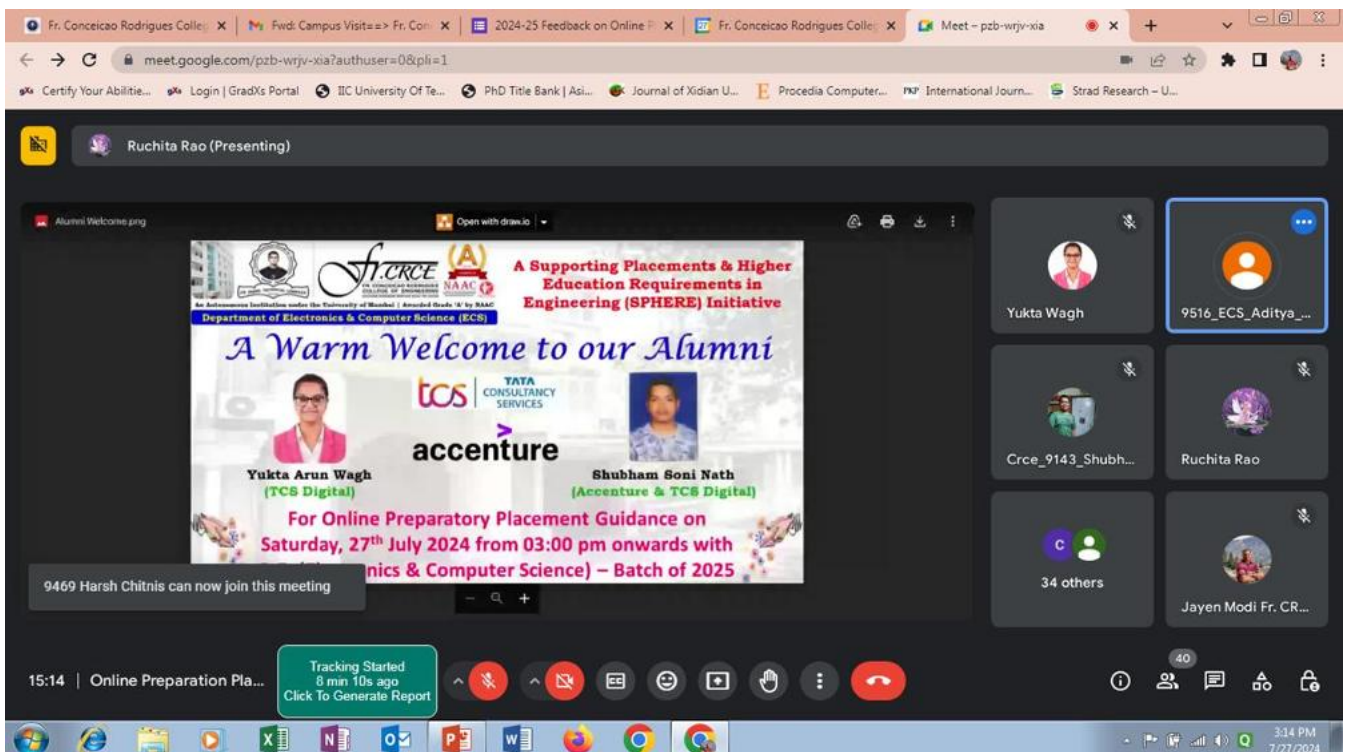
A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity

On

ONLINE PREPARATORY MENTORING, COUNSELING & PLACEMENTS GUIDANCE FOR BULK / MASS RECRUITING ORGANIZATIONS

By

Yukta Arun Wagh & Shubham Soni Subhash Nath
Systems Engineer – Grade C1
TATA Consultancy Services (TCS), Mumbai





B.E. (Electronics & Computer Science) – Semester VII
Saturday, 27th July 2024 (online by Google Meet)

A SPHERE Activity on Online Preparatory Placement Guidance by Yukta Wagh (TCS) & Shubham Soni Nath (TCS & Accenture) for B.E. (ECS) – Semester VII Batch of 2025 on Saturday, 27th July 2024



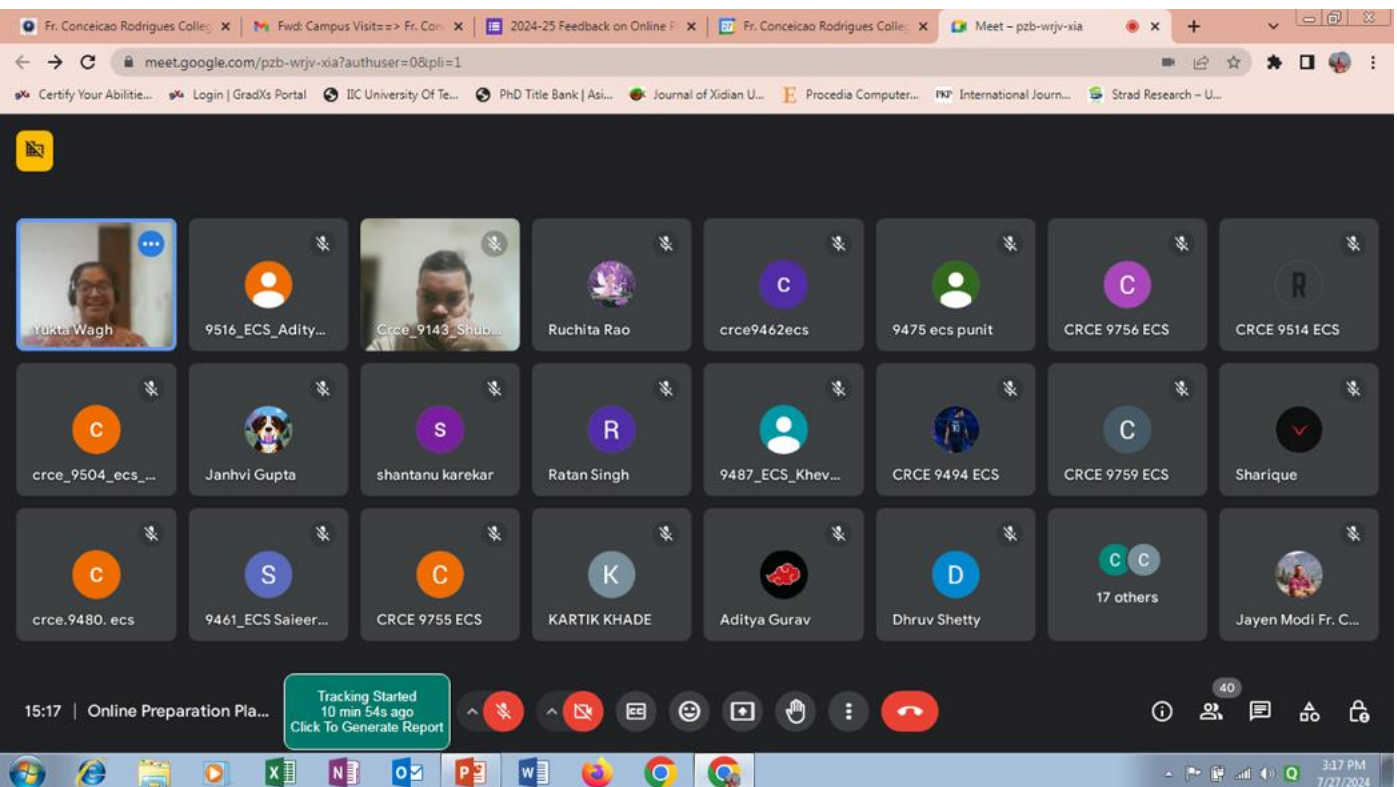
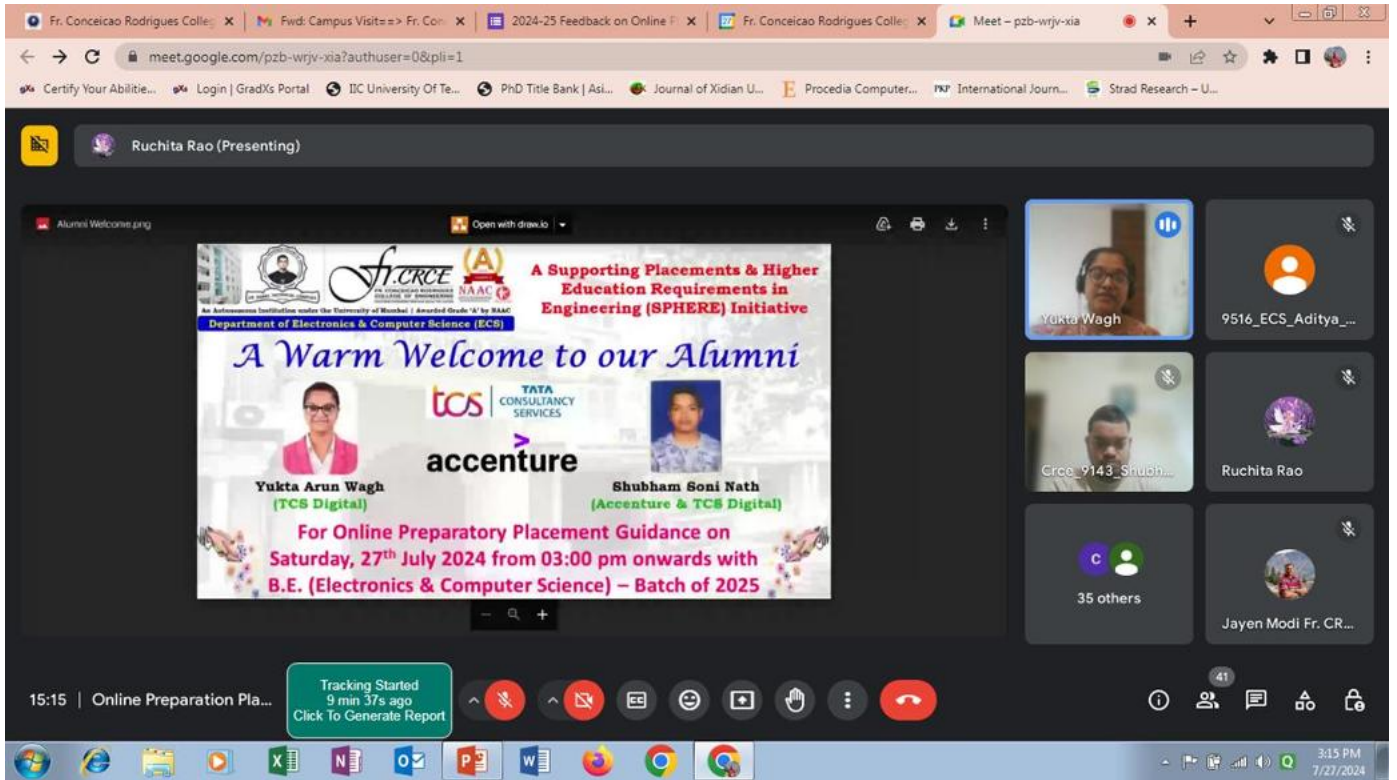
SPHERE Activity for Placement Guidance (Online)

1. Overview & Details

Name of SPHERE Activity	Online Preparatory Placement Guidance for Bulk / Mass Recruiters – Mentoring & Counseling towards On-campus Placement Process	
Venue / Location	Online by Google Meet (Video Recording Link Available Below) https://drive.google.com/file/d/1RHuW3X3C6Py-Az-Vbl8MC9uq30jiwS42/view?usp=sharing_eip_se_dm&ts=66a4e89d	
Activity Co-ordinator	Jayen Modi, Assistant Professor, Department of Electronics & Computer Science & In-charge Public Relations, Fr. Conceicao Rodrigues College of Engineering	
Day, Date & Timings	Saturday, 27 th July 2024 from 2:30 pm to 4:30 pm	
Key Resource Persons / Subject Expert Speakers	Mr. Shubham Soni Nath & Ms. Yukta Arun Wagh Systems Engineer (Grade C1) – TATA Consultancy Services B.E. (Electronics & Computer Science) – Batch of 2024	 
Aim & Objective of the SPHERE Activity	A follow-up of preparatory placement & guidance session conducted by Professor of Practice Mrs. Deepa Anand Chitre. It is imperative to start an early preparation right from beginning of the semester itself & invest in developing a requisite set of skills so that the actual placement process becomes fruitful. Organized in association with the training & placement office (TPO), the goal was to invite alumni placed in bulk/mass recruiters to address the students of final year (B.E.) regarding the knowledge & skill sets to be developed inform them about the expected selection process. Both alumni Yukta Wagh & Shubham Soni Nath stressed on the importance of getting placed in bulk/mass recruiters. Many myths were busted & several questions were answered pertaining to whatever doubts students had. Primary objective was to prepare the students in advance with additional training on the specific company-related matters. It motivated the students & gave them a really good preparatory insight.	
Contents of SPHERE Activity on Career Guidance for Bulk / Mass Recruiters & How to Prepare for their Placement Process	<ul style="list-style-type: none"> • How to start preparations for placement process • Analyzing job descriptions to understand skill sets required • Preparation of good resume & professional etiquettes • Access to competitive coding platforms 	
Intended Audience	All interested students wishing to opt for on-campus placement process	
Programme Outcomes (PO)	<ul style="list-style-type: none"> • PO-6 :- Engineer & Society • PO-7 :- Environment & Sustainability • PO-9 :- Individual & Teamwork • PO-11 :- Project Management & Finance • PO-12 :- Life-long Learning 	

A SPHERE Activity on Online Preparatory Placement Guidance by Yukta Wagh (TCS) & Shubham Soni Nath (TCS & Accenture) for B.E. (ECS) – Semester VII Batch of 2025 on Saturday, 27th July 2024

2. Activity Pictures (Screenshot Images)



A SPHERE Activity on Online Preparatory Placement Guidance by Yukta Wagh (TCS) & Shubham Soni Nath (TCS & Accenture) for B.E. (ECS) – Semester VII Batch of 2025 on Saturday, 27th July 2024

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)

The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "Accenture & TCS Guide" by Shubham Soni Nath. The slide content includes:

- 1. About the Guide
- 2. Why this Guide?
- 3. What is the Guide for?
- 4. How to use the Guide?
- 5. Thank you!

The meeting controls at the bottom show "Tracking Started 24 min 36s ago" and "Click To Generate Report". The participant grid on the right includes Yukta Wagh, 9516_ECS_Adi..., Crce_9143_Shu..., Ruchita Rao, CRCE 9756 ECS, crce9462ecs, 9475 ecs punit, 34 others, and Jayen Modi Fr... The system clock shows 15:30 on 7/27/2024.

The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "Accenture Placement Process" (Package - ASE: 4.5LPA & AASE: 6.5LPA). The slide content includes:

- Cognitive Ability**
 - English Ability
 - Critical Thinking and Problem Solving
 - Abstract Reasoning
- Technical Assessment**
 - Common Application and MS Office
 - Pseudocode
 - Fundamental of Networking, Security and Cloud
- Coding Round**
 - C/C++, JAVA, Python
 - No. of Questions: 2
 - Time allotted: 45 mins

Below the coding round details, it says: "Practice on leetcode and <https://takeuforward.org/interviews/strivers-sde-sheet-top-coding-interview-problems/>".

The footer of the slide mentions "Academics & Indiabix". The meeting controls at the bottom show "Tracking Started 25 min 33s ago" and "Click To Generate Report". The participant grid on the right includes Crce_9143_Shu..., Yukta Wagh, 9516_ECS_Adi..., Ruchita Rao, crce9462ecs, 9475 ecs punit, Ratan Singh, 33 others, and Jayen Modi Fr... The system clock shows 15:31 on 7/27/2024.

A SPHERE Activity on Online Preparatory Placement Guidance by Yukta Wagh (TCS) & Shubham SoniNath (TCS & Accenture) for B.E. (ECS) – Semester VII Batch of 2025 on Saturday, 27th July 2024

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)

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

After Completing the test candidates will receive a Email and Accenture gives option to select the time slot for participating in the online interview, TCS gives date and time for offline in-person interview with a list of documents that is to be carried for the interview process.

Tell Me About Yourself	Java, C/C++, Python	DBMS	Projects
<ul style="list-style-type: none"> Directs the flow of interview. Mention your skills, activities, internships. 	<ul style="list-style-type: none"> • OOP (Constructor, class, abstract keyword, runtime polymorphism etc) • Inheritance • Modifiers 	<ul style="list-style-type: none"> • SQL Query • ACID Properties • SQL vs NoSQL • Various keywords like ORDER BY, GROUP BY, HAVING, WHERE etc 	<ul style="list-style-type: none"> • Description • Tech Stack • Follow-up question

Interviewbit, prepinsta, glassdoor, Javatpoint and geeks for geeks

The Meet interface shows a grid of participants on the right, including Crce_9143_Shubham, Ratan Singh, Yukta Wagh, 9516_ECS_Adity..., Ruchita Rao, crce9462ecs, 9475 ecs punit, 34 others, and Jayen Modi Fr. ... The bottom status bar indicates "15:39 | Online Preparation Pl..." and "Tracking Started 32 min 41s ago".

The screenshot shows a Google Meet interface with a grid of participants. The participants visible in the grid are:

- Crce_9143_Shubham
- Ratan Singh
- Yukta Wagh
- 9516_ECS_Adity...
- Ruchita Rao
- crce9462ecs
- 9475 ecs punit
- CRCE 9756 ECS
- CRCE 9514 ECS
- 9515
- Jaya Nishad
- crce_9504_ecs...
- Janhvi Gupta
- shantanu karekar
- CRCE 9494 ECS
- CRCE 9759 ECS
- Sharique
- crce.9480. ecs
- Steve Sequeira
- 9461_ECS Saieer...
- Bleson Worlikar
- CRCE 9467 ECS
- 22 others
- Jayen Modi Fr. C...

The bottom status bar indicates "16:00 | Online Preparation Pl..." and "Tracking Started 53 min 40s ago".

A SPHERE Activity on Online Preparatory Placement Guidance by Yukta Wagh (TCS) & Shubham SoniNath (TCS & Accenture) for B.E. (ECS) – Semester VII Batch of 2025 on Saturday, 27th July 2024

3. Description of Activity

1. Introduction

The Department of Electronics & Computer Science (ECS) organized an insightful online guest lecture for final year B.E. (ECS) engineering students, focusing on placement preparation & career guidance, especially with respect to on-campus hiring. The session featured two accomplished alumni, both currently working at Tata Consultancy Services (TCS), one of the leading IT services companies in India. The primary goal was to help students navigate the upcoming placement season with the right strategies, mind-set & preparation techniques.

2. Objectives of the Session

- ✓ To provide first-hand guidance on how to effectively prepare for the TCS recruitment process.
- ✓ To share practical tips on aptitude tests, technical interviews & HR rounds.
- ✓ To highlight the importance of communication skills, resume building & time management.
- ✓ To motivate students by sharing real-life placement journeys & overcoming common challenges.

3. Key Highlights of the Session

(a) Understanding the TCS Hiring Process :-

- **Online Assessment Test:** Focus on logical reasoning, verbal ability, quantitative aptitude & basic programming.
- **Technical Interview:** Questions based on core subjects, data structures, language-specific (C/C++, Java, Python).
- **Managerial/HR Interview:** Communication skills, confidence, and knowledge of resume content are vital.

(b) Preparation Strategies :-

- **Aptitude & Reasoning:** Use of platforms like *Preplnsta*, *IndiaBix* & *TCS NQT sample papers*.
- **Coding Practice:** Regular problem-solving on platforms such as *HackerRank*, *LeetCode* & *CodeChef*.
- **Subject Revision:** Brush up on core subjects like DBMS, OS, OOP & Networking.
- **Mock Interviews:** Conduct mock interviews with peers or mentors to gain confidence.
- **Resume Tips:** Keep it concise, accurate & tailored to job roles. Avoid false claims.

(c) Soft Skills & Mindset :-

- **Communication Skills:** Crucial for both interviews & team collaborations.
- **Group Discussions:** Practicing articulation, clarity & staying updated on current affairs.
- **Confidence Building:** Stay positive & focused; handling rejection is part of the journey.
- **Time Management:** Balancing project work, academic responsibilities & placement preparations effectively.

(d) Alumni Experience Sharing :-

Each alumnus viz. Yukta Wagh & Shubham Soni Nath shared their own experience :-

- Challenges they faced during their preparation.
- How they dealt with academic pressure while preparing for placements.
- Lessons learned during interviews and early professional life.
- Importance of adaptability and continuous learning after joining TCS.

**A SPHERE Activity on Online Preparatory Placement Guidance by Yukta Wagh (TCS) & Shubham Soni/Nath
(TCS & Accenture) for B.E. (ECS) – Semester VII Batch of 2025 on Saturday, 27th July 2024**

4. Student Interaction along with Questions & Answers (Q&A)

The session ended with an enthusiastic Q&A round where students asked about :-

- Choosing between IT & core opportunities.
- Whether certifications like AWS or Java are helpful.
- The role of internships & project work in the interview process.
- Clarifications on the TCS Digital versus Ninja hiring tracks.

The alumni answered all queries with clarity & encouragement, guiding students toward focused preparation & mental readiness.

5. Feedback & Conclusion

Participants found the session motivating, practical & highly relevant. The alumni's relatable stories and actionable tips created a sense of direction & confidence among the students. The session emphasized early & smart preparation as the keys to success. The department expressed gratitude to alumni for their valuable time & commitment to supporting current students.



Jayen Modi

Assistant Professor, Department of Electronics & Computer Science,
In-charge of Public Relations & Outreach (PRO),
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

* * * * *



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Department of Electronics & Computer Science (ECS)

Thursday, 25th July 2024

To
Yukta Arun Wagh
Systems Engineer (Grade C1)
Tata Consultancy Services Limited (TCSL)

Dear Yukta Arun Wagh,

We express our heartfelt gratitude for gracing our campus & department to interact with our students of B.E. (Electronics & Computer Science) – Semester VII. Please accept our heartfelt acknowledgements towards accepting our invitation for a preparatory placement guidance session. As a resource person, your extremely invaluable inputs, tips & guidelines will not only inspire but also motivate them towards approaching the ongoing placement season with confidence; thereby putting their best foot forward.

As an initiative by the Department of Electronics & Computer Science, SPHERE (Supporting Placement & Higher Education Requirements in Engineering) aims to provide an all-round, holistic 360° support system to our students whether it is preparations, guidance, mentoring or counseling for on-campus placements or higher education pursuits.

Once again we thank you towards this invaluable contribution in addressing our students despite your busy professional schedule & other work commitments.

Regards,

Dr. Sapna U. Prabhu
Professor & Head of Department,
Department of Electronics & Computer Science,
Fr. Conceicao Rodrigues College of Engineering.

P.S. Kindly sign with date the duplicate copy of this letter as an acknowledgement from you.



An Autonomous Institution under the University of Mumbai | Awarded Grade 'A' by NAAC

Department of Electronics & Computer Science (ECS)

Thursday, 25th July 2024

To
Shubham Soni Nath
Systems Engineer (Grade C1)
Tata Consultancy Services Limited (TCSL)

Dear Shubham Soni Nath,

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Once again we thank you towards this invaluable contribution in addressing our students despite your busy professional schedule & other work commitments.

Regards,

Dr. Sapna U. Prabhu
Professor & Head of Department,
Department of Electronics & Computer Science,
Fr. Conceicao Rodrigues College of Engineering.

P.S. Kindly sign with date the duplicate copy of this letter as an acknowledgement from you.

Fr. CRCE
e-mail



Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

Request for Preparatory & Guidance Session of Placements (Bulk Recruiters)

5 messages

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

20 July 2024 at 11:39

To: CRCE_9173_Yukta_Wagh <crce.9173.ecs@gmail.com>, "waghyukta2002@gmail.com" <waghyukta2002@gmail.com>, 8817 Max Johnson <crce.8817.ecs@gmail.com>, Max Johnson <maxjohnson1209@gmail.com>, CRCE_9124_Mohini Gautam <crce.9124.ecs@gmail.com>, Mohini Gautam <mohiningautam@gmail.com>, Crce_9143_ShubhamSoni_Nath <crce.9143.ecs@gmail.com>, soni104202@gmail.com
Cc: Aditya Verma <aadityagverma@gmail.com>, crce.9516.ecs@gmail.com, Ruchita Rao <raoruchita0@gmail.com>, crce.9499.ecs@gmail.com, Bhargavi Patel <bhargaviajaypatel@gmail.com>, crce.9756.ecs@gmail.com, siddheshrevankar333@gmail.com, crce.9758.ecs@gmail.com, deepa.chitre@fragnel.edu.in, "CRCE, sapna" <sapna@fragnel.edu.in>, sapna@frcrce.ac.in

Dear Alumni

Greetings on behalf of the Department of Electronics & Computer Science of Fr. Conceicao Rodrigues College of Engineering !

As we begin the placement season of 2024 - 2025 for the next ECS batch, I would like to extend a warm welcome to all of you in guiding, motivating & above all, inspiring your juniors. Your extremely invaluable insights, inputs & guidance in the right direction is expected to make them confident enough to face the on-campus placement process & possibly bag an offer. To begin with, at the ECS Department level we're currently focusing on Tata Consultancy Services (TCS) & Accenture - two of our major/bulk recruiters. For TCS, we have approached Max Johnson (Ninja), Yukta Wagh (Digital) & Shubham Soni Nath (Digital). For Accenture, Shubham Soni Nath & Mohini Gautam are humbly requested as resource persons.

Our active team of current student training & placement coordinators - Aditya Verma, Ruchita Rao, Siddhesh Revankar & Bhargavi Patel will be reaching out to you shortly. Since all four of them are also participating in the on-campus placement process, they will approach all of you with their requirements. You can give your feedback & accordingly have some content curated for the session. I strongly advocate an offline session (on-campus) for maximum impact & better outreach. Kindly coordinate with them to decide a common date & time so all participating students can be informed in advance of the same.

I do understand that all of you will be extremely busy with your own work, personal commitments & other priorities now. In between all this, it is a humble request on behalf of ECS Department to spare a tiny bit of time for this noble cause. Remember, a few years back you were in the same position when your own seniors obliged & tried their best for a similar session.

I am extremely confident that all four of you will put your best foot forward towards contributing to the department about your own placement feedback experience. I want to put on record a million thanks for the extremely informative placement feedback guidance videos all of you have created; however this session being a live & interactive one will have its own positive impact & many fruitful takeaways.

Kindly give in your consent by replying to this email & please coordinate with the above mentioned student TPCs for fixing up a date & time.

Thanks & regards.

Jayen Modi
Chartered Engineer (C.Eng.)
M.E. (Electronics Engineering) | B.E. (Electronics Engineering)
University of Mumbai | Diploma in Industrial Electronics (Dip. IE) - MSBTE
LMRSI | LMSSI | LMSASS | LMISROSET | LMIAENG | LMCSI
LMISOI | LMISTE | LMIOASD | LMIEI | LMBMESI |
Member of Board of Engineers (BOE), Federal Republic of Malaysia
Assistant Professor & Co-ordinator, Training & Placements,
Department of Electronics & Computer Science (ECS)
In-charge of Public Relations & Outreach (PRO),
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

Yukta Wagh <waghyukta2002@gmail.com>
To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

20 July 2024 at 15:23

Thank you sir for considering us to guide our juniors and yes I will be present to address them.

[Quoted text hidden]

Yukta Wagh <waghyukta2002@gmail.com>
To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

21 July 2024 at 22:18

According to the scheduled time and date arranged with the student coordinator, I will be present on Thursday, 21st July at 11 am.

[Quoted text hidden]

Crce_9143_ShubhamSoni_Nath <crce.9143.ecs@gmail.com>
To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

21 July 2024 at 23:25

Thank you sir for the invitation, I will be present in college on Thursday by around 11am.

[Quoted text hidden]

Yukta Wagh <waghyukta2002@gmail.com>
To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

21 July 2024 at 23:37

According to the scheduled time and date arranged with the student coordinator, I will be present on Thursday, 25th July at 11 am.

On Sat, 20 Jul 2024, 11:38 am Jayen Modi Fr. CRCE, <jayen.modi@fragnel.edu.in> wrote:

[Quoted text hidden]

Google Meet Attendance Tracking Report

Meeting Name: pzb-wrjv-xia

Date: 27-Jul-2024

Attendance Tracking Started At : 3:06:16 PM
 Attendance Tracking Stopped At : 4:31:45 PM
 Total Number of people Attended : 48
 Total Meeting Duration : 1 hr 25 min 14s

Detailed Attendance Report

[Apply filter](#)

Number Of People Attended More Than 25% Of Meeting: 46

Number Of People Attended Less Than 25% Of Meeting: 2

1	9461_ECS SAIEERAJ ACHARYA	1 hr 25 min 14s	100%
2	9463_ECS KUSH_AMBEKAR	32 min 44s	39%
3	9469 HARSH CHITNIS	3 min 32s	5%
4	9475 ECS PUNIT	1 hr 25 min 14s	100%
5	9478_ECS_SUJAL_JAIN	1 hr 25 min 14s	100%
6	9485_ECS	1 hr 24 min 41s	100%
7	9487_ECS_KHEVNA MARFATIA	1 hr 17 min 16s	91%
8	9498_KARAN_ ECS	1 hr 25 min 14s	100%
9	9515	1 hr 4 min 26s	76%
10	9516_ECS_ADITYA_VERMA	1 hr 25 min 14s	100%
11	9758_SIDDHESH REVANKAR	1 hr 25 min 14s	100%
12	AADITYA MALAP	1 hr 21 min 48s	96%
13	ADITYA GURAV	1 hr 25 min 14s	100%
14	AKSHAT MATHUR	40 min 48s	48%
15	AMAN GUPTA	57 min 6s	67%
16	ASHWIN SHUKLA	1 hr 25 min 14s	100%

17	BLESON WORLIKAR	44 min 16s	52%
18	CRCE 9467 ECS	1 hr 25 min 14s	100%
19	CRCE 9474 ECS	1 hr 25 min 14s	100%
20	CRCE 9494 ECS	1 hr 25 min 14s	100%
21	CRCE 9506 ECS_SHUBHAM SHANBHAG	41 min 35s	49%
22	CRCE 9508	1 hr 25 min 14s	100%
23	CRCE 9514 ECS	1 hr 25 min 14s	100%
24	CRCE 9517 ECS	1 hr 25 min 14s	100%
25	CRCE 9755 ECS	1 hr 25 min 14s	100%
26	CRCE 9756 ECS	1 hr 25 min 14s	100%
27	CRCE 9759 ECS	1 hr 25 min 14s	100%
28	CRCE.9480. ECS	1 hr 24 min 41s	100%
29	CRCE9462ECS	1 hr 25 min 14s	100%
30	CRCE_9143_SHUBHAMSONI_NATH	1 hr 25 min 14s	100%
31	CRCE_9464_ECS	1 hr 25 min 14s	100%
32	CRCE_9504_ECS_PRAVIN	1 hr 25 min 14s	100%
33	DHRUV SHETTY	1 hr 25 min 14s	100%
34	JANHVI GUPTA	1 hr 25 min 14s	100%
35	JAYA NISHAD	1 hr 10 min 14s	83%
36	JAYEN MODI FR. CRCE	1 hr 25 min 14s	100%
37	KARTIK KHADE	1 hr 19 min 4s	93%
38	KRISHNA SONI	3 min 26s	5%
39	KUSH AMBEKAR	21 min 34s	26%
40	PRANAV JAKKANI	1 hr 25 min 14s	100%
41	RATAN SINGH	1 hr 17 min 5s	91%
42	RUCHITA RAO	1 hr 25 min 14s	100%
43	SAAQIB SHAIKH	1 hr 25 min 14s	100%

44	SHANTANU KAREKAR	1 hr 25 min 14s	100%
45	SHARIQUE	1 hr 18 min 18s	92%
46	SHREYA SAHAY	1 hr 20 min 33s	95%
47	STEVE SEQUEIRA	44 min 38s	53%
48	YUKTA WAGH	1 hr 21 min 14s	96%

27
Jul

Online Preparation Placement Guidance Session by ECS Alumni - pzb-wrjv-xia

2:55 PM - 4:36 PM

MEETING DURATION

01:41:09

PARTICIPANTS

56

AVG. TIME IN CALL


















01:11:36



















YOUR PUNCTUALITY




















4m 13s early



TAGS

Long meeting

NAME ↑	FIRST SEEN AT	TIME IN CALL (HH:MM:SS)
 9461_ECS Saieraj Acharya	3:01 PM	01:35:15
 9463_ECS Kush_Ambekar	3:03 PM	00:36:04
 9469 Harsh Chitnis	3:01 PM	00:05:42
 9475 ecs punit	3:01 PM	01:35:02
 9478_ECS_Sujal_Jain	3:03 PM	01:33:42
 9485_ecs	3:05 PM	01:31:39
 9487_ECS_Khevna Marfatia	3:14 PM	01:22:41
 9498_KARAN_ ECS	3:01 PM	01:35:44
 9515	3:27 PM	01:09:47
 9516_ECS_Aditya_Verma	2:58 PM	01:38:21
 9758_Siddhesh Revankar	3:01 PM	01:35:43
 Aaditya Malap	3:09 PM	01:27:12
 Aditya Gurav	3:02 PM	01:34:37
 Akshat Mathur	3:15 PM	00:46:06
 Aman Gupta	3:11 PM	00:57:16
 Ashwin Shukla	3:00 PM	01:36:26
 Bhargavi Patel	3:03 PM	00:01:39

	Bleson Worlikar	3:25 PM	00:44:24
	CRCE 9467 ECS	2:59 PM	01:00:57
	CRCE 9474 ECS	3:00 PM	01:36:39
	CRCE 9494 ECS	3:01 PM	01:35:04
	CRCE 9498 ECS	2:58 PM	00:02:14
	CRCE 9506 ECS_Shubham Shanbhag	3:50 PM	00:46:52
	CRCE 9508	3:02 PM	01:34:14
	CRCE 9514 ECS	2:58 PM	01:38:17
	CRCE 9517 ECS	3:02 PM	01:34:52
	CRCE 9755 ECS	3:02 PM	01:34:02
	CRCE 9756 ECS	3:00 PM	01:34:27
	CRCE 9759 ECS	3:01 PM	01:35:44
	Crce_9143_ShubhamSoni_Nath	2:56 PM	01:39:58
	CRCE_9464_ecs	3:01 PM	01:35:10
	CRCE_9466_ECS	3:03 PM	01:33:51
	crce_9504_ecs_pravin	2:59 PM	01:34:47
	crce.9480. ecs	3:06 PM	01:30:22
	crce9462ecs	3:00 PM	01:36:23

 Dhruv Shetty	3:06 PM	01:30:45
 Hashir Ansari	3:01 PM	00:00:16
 Janhvi Gupta	2:58 PM	01:38:17
 Jaya Nishad	3:21 PM	01:15:37
 Jayen Modi Fr. CRCE	2:55 PM	01:41:09
 KARTIK KHADE	3:08 PM	01:19:18
 krishna soni	3:01 PM	00:08:34
 Kush Ambekar	3:02 PM	00:27:33
 Pranav Jakkani	2:56 PM	01:36:56
 Ratan Singh	3:01 PM	01:26:17
 Ruchita Rao	2:57 PM	01:39:53
 saaqib shaikh	3:00 PM	00:00:31
 Saaqib Shaikh	3:00 PM	01:36:02
 Saieeraj Acharya	2:57 PM	00:03:33
 shantanu karekar	3:01 PM	01:35:43
 Sharique	3:13 PM	01:23:42
 SHREYA SAHAY	3:07 PM	01:26:26
 Steve Sequeira	3:46 PM	00:49:55
 Surai shinde	3:01 PM	00:00:49

	Vrushank Arur	3:02 PM	00:00:04
	Yukta Wagh	3:00 PM	01:36:52



Feedback on Online Placement Preparatory Guidance Session by Alumni (2024 - 2025)

34 responses

[Publish analytics](#)

STUDENT DETAILS



1. YOUR NAME IN FULL

34 responses

Sequeira Steve Savio

Karan Ajay Rajput

Aditya Ashok Gurav

Ratan Tejnarayan Singh

Gaurav

Bhargavi Ajay Patel

Aarush Umesh Wasnik

Jerome James

Kush Rajeev Ambekar

Kaustubh Sanjay Patankar

Aaditya Malap

Abdullah Siddiqui

Krishna Mistry

Dhruv Uday Shetty

SHANBHAG SHUBHAM DAYANAND

Shantanu karekar

Nivedita Kishor Kokane

Pranav Suresh Jakkani

Shreya Shailendra Sahay

Giri Punit Jagdish

Aditya Govind Verma



Pravinkumar Dhirendra Kumar Sahu

Roshan Bijoy Thomas

Aadi Vishal Gavankar

Sujal Arvind Jain

Saieeraj Acharya

Saaqib Shaikh

JERRY JACOB

Ashwin shukla

Muhammad Hashir Ansari

Shubh Santosh Shetty

Janhavi Jiladhis Gupta

Ruchita Rao

Siddhesh Revankar



2. YOUR ROLL NUMBER

34 responses

9505

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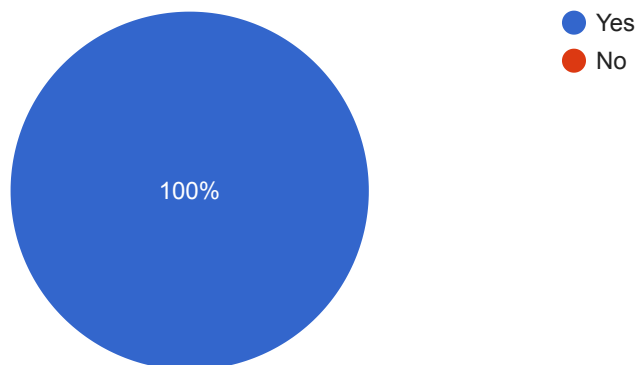
9758

FEEDBACK SURVEY QUESTIONS

1. Did the session meet your expectations ?

 Copy

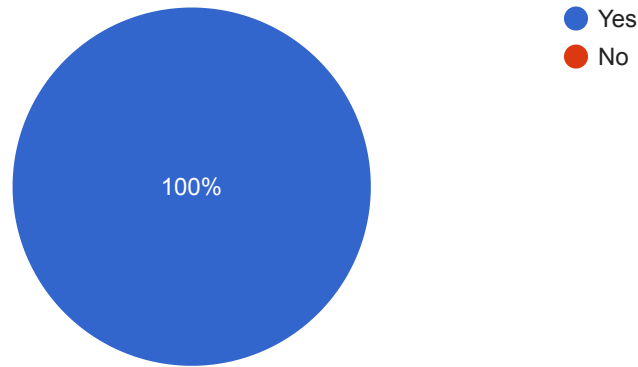
34 responses



2. Was the size of the training group appropriate ?

 Copy

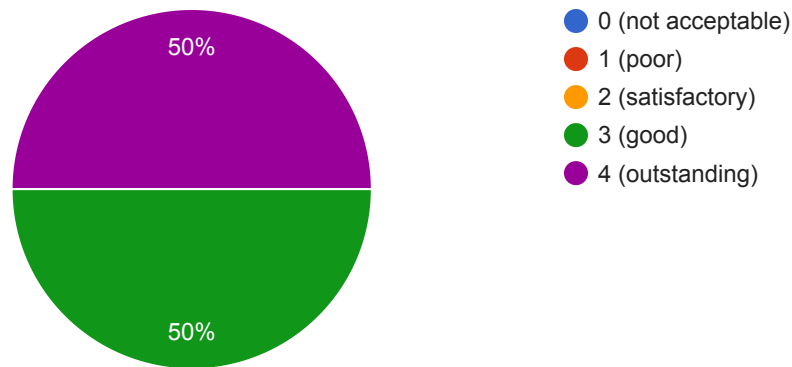
34 responses



3. How would you rate the overall quality of the session ?

 Copy

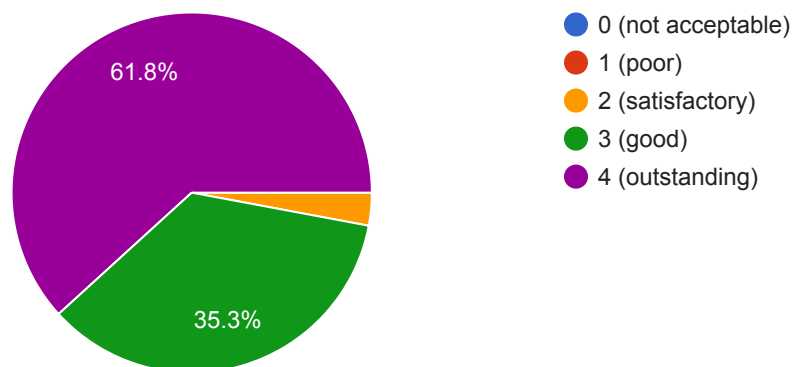
34 responses



4. Were the inputs, including tips, tricks, guidelines etc. suitable ?

 Copy

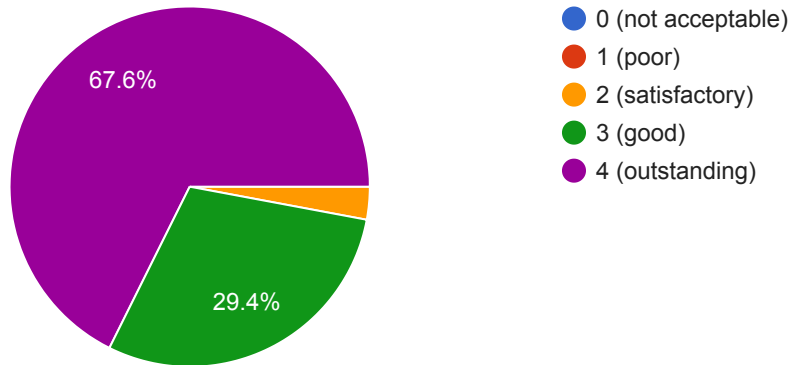
34 responses



5. How would you rate the content delivery of the instructor ?

 Copy

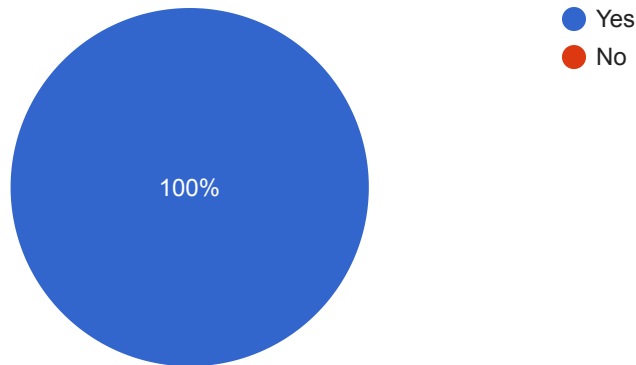
34 responses



6. Did you learn anything new ?

 Copy

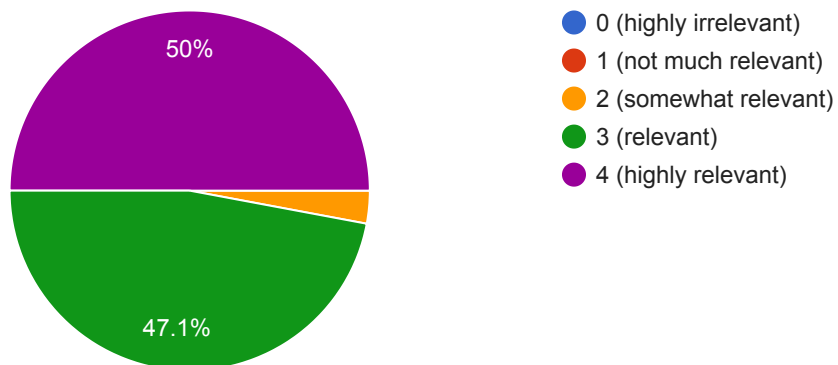
34 responses



7. Was the session relevant to your needs ?

 Copy

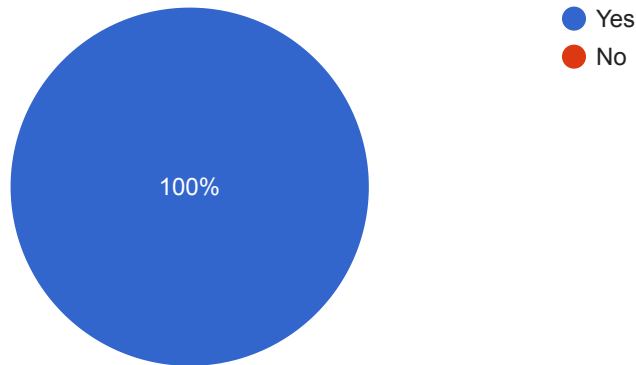
34 responses



8. After this session, do you feel comfortable in appearing for the initial stage of campus placement process for almost every company viz. clearing the aptitude test stage ?



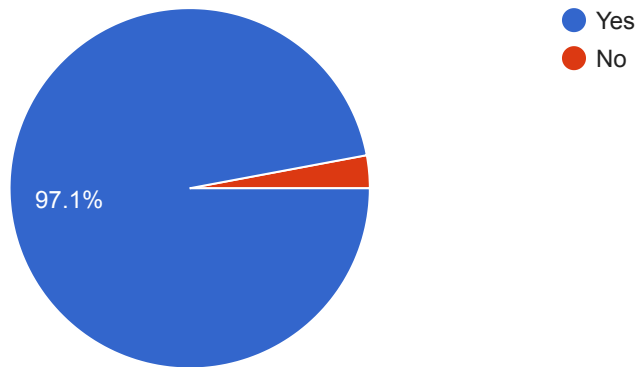
34 responses



9. Would participants recommend this department-level initiative to junior students in lower semesters ?



34 responses



10. Do you have any suggestions to improve this online placement preparatory guidance session ?

34 responses

-

.

No

None

No, but the guidance session was very informative. Hoping for more such sessions.

It was a good session

The overall session was really interesting and informative . I would like to attend more such sessions regarding placement

Few more sessions with different candidates would be a nice thing as it will help to understand different mindset's of people as their preparation and experience will differ from person to person

I'm satisfied

Yes, Can we get more ideas about approaching the questions in the coding round

No , the session was too good and helpful

It's well adequate.

help for Last moment preparation.

no

The Session went as intended, the interaction went in really frankly our seniors went in with all their input. I personally would love for the session to happen for more companies that come on campus.

suggestion like to give interview experience like the code explanation u provided and the techniques as well as the soft skills like how did u entertain like the willing as well as the answers u said and provided and how did it found useful and satisfy the hr point of view

It was super good



No suggestions

The session was very productive and addresses most of the queries.

This was a great initiative by the department and the alumni of ECS. Really appreciate Yukta sharing her detailed experiences and stories about interviews. Also appreciate Shubham's efforts for making a crisp ppt which explained the placement journey very well.

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Google Forms



A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Initiative

From College Campus to Corporate Crossroads - My Own Journey, Experience, Learning & Observations

TEJAS BABAN VAGADE
B.E. (Electronics Engineering) - Batch of 2022
Department of Electronics Engineering,
Fr. Conceicao Rodrigues College of Engineering

Software Engineer
2022 - 2024
Senior Software Engineer
2024 onwards

Wednesday, 31st July 2024 from 01:30 pm onwards with B.E. (Electronics & Computer Science)

A SPHERE Activity by Alumni (Batch of 2022) Tejas Baban Vagade, Senior Software Engineer – Capgemini for B.E. (ECS) – Semester VII, Batch of 2025 on Wednesday, 31st July 2024

A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity

On

From College Campus to Corporate Crossroads – My
Own Journey, Experience, Learning & Observations

By

Tejas Baban Vagade

Senior Software Engineer, Capgemini SE (India)
B.E. (Electronics Engineering) – Batch of 2022



Mumbai, Maharashtra, India

Fr. Conceicao Rodrigues College of Engineering, Mount Mary, Bandra West, Mumbai,
Maharashtra 400050, India

Lat 19.044686°

Long 72.820592°


31/07/24 01:40 PM GMT +05:30

B.E. (Electronics & Computer Science) – Semester VII
Wednesday, 31st July 2024



SPHERE Activity for Placement Guidance (Online)

1. Overview & Details

Name of SPHERE Activity	From College Campus to Corporate Crossroads – My Own Journey, Experience, Learning & Observations	
Venue / Location	Classroom No. 306 / 307, 3 rd Floor, Department of Electronics & Computer Science	
Activity Co-ordinator	Jayen Modi, Assistant Professor, Department of Electronics & Computer Science & In-charge Public Relations, Fr. Conceicao Rodrigues College of Engineering	
Day, Date & Timings	Wednesday, 31 st July 2024 from 1:30 pm to 3:30 pm	
Key Resource Persons / Subject Expert Speakers	Mr. Tejas Baban Vagade Senior Software Engineer – Capgemini B.E. (Electronics Engineering) – Batch of 2022	
Aim & Objective of the SPHERE Activity	<p>The concluding session in a tri-series of interactions organized by the Department – first with Prof. Deepa A. Chitre who introduced the students to various aspects of the corporate world, followed by alumni Yukta Wagh & Shubham Soni Nath who gave a formal introduction to the on-campus placement process preparation.</p> <p>The primary objective was to actually make the prospective students ‘walk through’ corporate life as a software development engineer so they could themselves figure out whether it lies in their best interest or not. Tejas first spoke about the on-campus selection process of Capgemini just as Yukta & Shubham did for TCS & Accenture. Tejas went beyond & also spoke about the various skills-sets, temperament, attitude along with corporate ethics & etiquettes. Many myths were busted & several questions were answered pertaining to whatever doubts the students had. Primary objective was to prepare all the students well in advance with additional training on the specific company-related matters.</p>	
Contents of SPHERE Activity on College to Campus Crossroads – My Journey, Experiences, Observations & Learnings	<ul style="list-style-type: none"> • How to start preparations for placement process • Analyzing job descriptions to understand skill sets required • Preparation of good resume & professional etiquettes • Access to competitive coding platforms 	
Intended Audience	All interested students wishing to opt for on-campus placement process	
Programme Outcomes (PO)	<ul style="list-style-type: none"> • PO-6 :- Engineer & Society • PO-7 :- Environment & Sustainability • PO-9 :- Individual & Teamwork • PO-11 :- Project Management & Finance • PO-12 :- Life-long Learning 	

A SPHERE Activity by Alumni (Batch of 2022) Tejas Baban Vagade, Senior Software Engineer – Capgemini for B.E. (ECS) – Semester VII, Batch of 2025 on Wednesday, 31st July 2024

2. Activity Pictures (Images)



FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)



Mumbai, Maharashtra, India

Seema Apartment, Seema Apartment, Mount Mary, Bandra West, Mumbai,
Maharashtra 400050, India

Lat 19.044468°

Long 72.820605°

31/07/24 01:51 PM GMT +05:30



Mumbai, Maharashtra, India

Fr. Conceicao Rodrigues College of Engineering, Mount Mary, Bandra West, Mumbai,
Maharashtra 400050, India

Lat 19.044686°

Long 72.820592°

31/07/24 01:42 PM GMT +05:30



3. Description of Activity

1. Introduction

As part of the department's ongoing efforts to enhance career preparedness among final-year engineering students, a guest lecture was organized featuring an esteemed alumnus currently working at Cognizant Technology Solutions. The session focused on two core areas: preparing for on-campus placements & understanding career progression in the IT / software industry. The interactive session combined practical advice with personal experience, offering valuable insights for students stepping into the professional world.

2. Objectives of the Session

- To provide first-hand knowledge about on-campus recruitment process, especially for IT companies like Cognizant.
- To guide students in planning their placement preparation, focusing on aptitude, communication, technical skills.
- To share real-life experiences regarding career growth, challenges & skill development in the IT industry.
- To help students understand the evolving expectations of companies & how to align their preparation accordingly.

3. Key Takeaways from the Session

(a) Understanding the Placement Process

Tejas gave a clear breakdown of the Cognizant recruitment procedure, including:

- **Online Aptitude Test:** Emphasizing speed and accuracy in reasoning, quantitative aptitude, and English.
- **Technical Interview:** Covers fundamentals of programming (C, Java, Python), databases, and basic algorithms.
- **HR Interview:** Focus on personality, confidence, communication, and general awareness.

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)

He advised students to:

- Start preparation early & follow a daily practice schedule.
- Use resources such as *IndiaBix*, *PrepInsta*, and *GeeksforGeeks*.
- Focus on mock interviews and resume refinement.
- Participate in college-organized aptitude and soft skills training sessions.

(b) Career Journey in Cognizant

Tejas shared an inspiring account of his own journey:

- Starting programmer analyst & steadily growing to current position, handling client-facing roles, project coordination, & technical responsibilities.
- Underwent several training programs including full-stack development, agile methodology & cloud technologies.
- Challenging roles in both development & support projects, gaining hands-on experience in large-scale enterprise

He highlighted the following points:

- The importance of continuous learning & upskilling through certifications (e.g., AWS, Java, DevOps).
- The career flexibility in IT – ability to move into domains like AI/ML, cloud computing, or management roles.
- Real-world challenges like tight deadlines, team collaboration & adapting to evolving technologies.

(c) Preparing for the Software Industry

Tejas speaker offered a realistic perspective on the IT world:

- **Skills in demand:** Problem-solving, adaptability, strong foundational knowledge & willingness to learn.
- **Workplace culture:** Fast-paced, team-oriented, driven by delivery & client satisfaction.
- **Growth prospects:** Multiple tracks including technical specialization, project management & client engagement.

He encouraged students to:

- Explore personal interests within IT (e.g., front-end, back-end, cloud, data analytics).
- Be open to starting with basic roles & building expertise gradually.
- Take internships, projects & online courses seriously as stepping stones.

4. Interaction along with Question & Answer (Q&A) Session

Students engaged actively in a Q&A session, asking questions such as:

- How to balance final-year academics with placement preparation ?
- Which certifications or platforms are most effective for coding & IT skills ?
- What is the scope for non-CS/IT students in Cognizant & similar companies ?
- How to choose between offers from service-based & product-based companies ?

The alumnus patiently addressed each question, providing context-specific, practical answers & motivating the students to stay focused and persistent.

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Department of Electronics & Computer Science (ECS)

5. Conclusion

The session was a highly informative & motivational experience for final-year students, offering actionable guidance on placement preparation and a realistic view of life in the software industry. The alumnus' candid sharing of his own journey helped demystify the transition from college to corporate, while also highlighting the importance of consistency, upskilling, and adaptability. The department extended heartfelt thanks to the guest speaker for contributing to the students' career readiness and pledged to organize more such alumni-driven initiatives in the future.



Jayen Modi

Assistant Professor, Department of Electronics & Computer Science,
In-charge of Public Relations & Outreach (PRO),
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

* * * * *

Fr. CRCE
e-mail



Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

Invitation to Department for Placement Preparation Guidance

6 messages

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

21 July 2024 at 17:51

To: tejasvagade14@gmail.com

Cc: Ruchita Rao <raoruchita0@gmail.com>, Aditya Verma <aadityagverma@gmail.com>, Bhargavi Patel <bhargaviyajaypatel@gmail.com>, siddheshrevankar333@gmail.com, crce.9499.ecs@gmail.com, crce.9516.ecs@gmail.com, crce.9756.ecs@gmail.com, crce.9758.ecs@gmail.com

Dear Tejas

Greetings on behalf of the Department of Electronics & Computer Science of Fr. Conceicao Rodrigues College of Engineering !

As we begin the placement season of 2024 - 2025 for the next ECS batch, I would like to extend a warm welcome to you in guiding, motivating & above all, inspiring your juniors. Your extremely invaluable insights, inputs & guidance in the right direction is expected to make them confident enough to face the on-campus placement process & possibly bag an offer. To begin with, at the ECS Department level we're currently focusing on providing our final year students preparatory guidance for bulk/mass recruiters.

Our active team of current student training & placement coordinators - Aditya Verma, Ruchita Rao, Siddhesh Revankar & Bhargavi Patel will be reaching out to you shortly. Since all four of them are also participating in the on-campus placement process, they will approach all of you with their requirements. You can give your feedback & accordingly have some content curated for the session. I strongly advocate an offline session (on-campus) for maximum impact & better outreach. Kindly coordinate with them to decide a common date & time so all participating students can be informed in advance of the same.

It has been brought to my notice that Ruchita Rao has already communicated with you & you have suggested two days/dates - July 30 & 31 for the same. **I would recommend Wednesday, 31st July 2024 from 1:30 pm onwards since the class is available.**

I am extremely confident that you will put your best foot forward towards contributing to the department about your own placement feedback experience.

Kindly give in your consent/approval by replying to this email & please coordinate with the above mentioned student TPCs for fixing up Wednesday, 31st July 2024, 1:30 pm onwards.

Thanks & regards.

Jayen Modi

Chartered Engineer (C.Eng.)

M.E. (Electronics Engineering) | B.E. (Electronics Engineering)

University of Mumbai | Diploma in Industrial Electronics (Dip. IE) - MSBTE

LMRSI | LMSSI | LMSASS | LMISROSET | LMIAENG | LMCSI

LMISOI | LMISTE | LMIOASD | LMIEI | LMBMESI |

Member of Board of Engineers (BOE), Federal Republic of Malaysia

Assistant Professor & Co-ordinator, Training & Placements,

Department of Electronics & Computer Science (ECS)

In-charge of Public Relations & Outreach (PRO),

Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

tejas vagade <tejasvagade14@gmail.com>

21 July 2024 at 19:28

To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

Hello Sir,

Thank you for Inviting me for the session. I would do my best to guide the batch which will help them to drag offers in the on-campus placements.

I will surely join to Interact with the batch on 31st July. For further details I will contact TPC's.

Thanks & Regards,

Tejas Vagade.

[Quoted text hidden]

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

21 July 2024 at 19:50

To: tejas vagade <tejasvagade14@gmail.com>

Cc: Ruchita Rao <raoruchita0@gmail.com>, Aditya Verma <aadityagverma@gmail.com>, Bhargavi Patel <bhargaviajaypatel@gmail.com>, siddheshrevankar333@gmail.com, crce.9499.ecs@gmail.com, crce.9516.ecs@gmail.com, crce.9756.ecs@gmail.com, crce.9758.ecs@gmail.com

Dear Tejas Vagade

Thank you so much for your response.

On Wednesday 31st July 2024, you can reach our department on the third floor & directly come over to Room No. 308 by 1:00 pm. We will start your session at 01:30 pm.

Since we're making a flyer to be displayed in the department, requesting you to forward your latest picture, preferably a one with yourself in front of the Capgemini logo/display. Or else any other recent picture will do.

[Quoted text hidden]

tejas vagade <tejasvagade14@gmail.com>

28 July 2024 at 21:42

To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

Cc: Ruchita Rao <raoruchita0@gmail.com>, Aditya Verma <aadityagverma@gmail.com>, Bhargavi Patel <bhargaviajaypatel@gmail.com>, siddheshrevankar333@gmail.com, crce.9499.ecs@gmail.com, crce.9516.ecs@gmail.com, crce.9756.ecs@gmail.com, crce.9758.ecs@gmail.com

Hello Sir,

I will be visiting the college by 1 pm, I will forward the picture to your contact number. I have one request since I have prepared a small presentation, can we have some arrangement to present that.

Thanks & Regards,
Tejas Vagade.

[Quoted text hidden]

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

29 July 2024 at 12:07

To: tejas vagade <tejasvagade14@gmail.com>

Cc: Ruchita Rao <raoruchita0@gmail.com>, Aditya Verma <aadityagverma@gmail.com>, Bhargavi Patel <bhargaviajaypatel@gmail.com>, siddheshrevankar333@gmail.com, crce.9499.ecs@gmail.com, crce.9516.ecs@gmail.com, crce.9756.ecs@gmail.com, crce.9758.ecs@gmail.com

Dear Tejas

Thanks a lot for your efforts. Looking forward to meeting you on Wednesday 31st July 2024 at 1 pm.

Sure, we do have an interactive TV display now in each & every classroom on which you can showcase your presentation. Please email me the same in PDF & PPT formats (both) so I can save it on my USB drive & carry it to the venue.

Thank you once again.

[Quoted text hidden]

tejas vagade <tejasvagade14@gmail.com>

30 July 2024 at 15:10

To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

Cc: Ruchita Rao <raoruchita0@gmail.com>, Aditya Verma <aadityagverma@gmail.com>, Bhargavi Patel <bhargaviajaypatel@gmail.com>, siddheshrevankar333@gmail.com, crce.9499.ecs@gmail.com, crce.9516.ecs@gmail.com, crce.9756.ecs@gmail.com, crce.9758.ecs@gmail.com

Hello Sir,

PFA.

Thanks & Regards,
Tejas Vagade.

[Quoted text hidden]

2 attachments

 **Placement Preparation Guidance_CRCE.pdf**
677K

 **Placement Preparation Guidance_CRCE.pptm**
812K



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Department of Electronics & Computer Science (ECS)

Wednesday, 31st July 2024

To
Tejas Baban Vagade
Senior Software Engineer,
Capgemini Technology Services (India) Ltd.

Dear Tejas Baban Vagade

We express our heartfelt gratitude for gracing our campus & department to interact with our students of B.E. (Electronics & Computer Science) – Semester VII. Please accept our heartfelt acknowledgements towards accepting our invitation for a preparatory placement guidance session. As a resource person, your extremely invaluable inputs, tips & guidelines will not only inspire but also motivate them towards approaching the ongoing placement season with confidence; thereby putting in their best of efforts.

As an initiative by the Department of Electronics & Computer Science, SPHERE (Supporting Placement & Higher Education Requirements in Engineering) aims to provide an all-round, holistic 360° support system to our students whether it is preparations, guidance, mentoring or counseling for on-campus placements or higher education pursuits.

Once again we thank you towards this invaluable contribution in addressing our students despite your busy professional schedule & other work commitments.

Regards,

Dr. Sapna U. Prabhu
Professor & Head of Department,
Department of Electronics & Computer Science,
Fr. Conceicao Rodrigues College of Engineering.

P.S. Kindly sign with date the duplicate copy of this letter as an acknowledgement from you.

A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Initiative with Training & Placement Office

Department of Electronics & Computer Science (ECS)

My Journey Towards Pursuing Higher Education in the USA

✓ How I navigated my way to a Masters in the USA
✓ What were the challenges I faced & my learnings from them
✓ What helped me sustain the life as a foreign student

**OJASA
CHITRE**

NYU
M.S. Data Science
New York University (NYU)

Sardar Patel Institute of Technology (SPIT)
B.Tech. (Computer Engineering)
Sardar Patel Institute of Technology (SPIT)

JPMORGAN CHASE & CO.
Ex - SEP Software Engineer I
J.P. Morgan Chase & Co.

12 noon IST
(No prior registration)

Wednesday
21st August 2024

Seminar Hall No. 108
1st Floor, Fr. CRCE

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
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Department of Electronics & Computer Science (ECS)



A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity

On

‘My Journey Towards Pursuing Higher Education in the USA – How I Navigated My Way, Challenges Faced & Learnings & How I Sustained as a Foreign Student’

By

Ojasa Anand Chitre

**Master of Science (M.S.) in Data Science
New York University (NYU), USA**




**Open to all Students interested for Higher Education
Wednesday, 21st August 2024**

A SPHERE Activity for Career Guidance, Mentoring & Counseling for Higher Education Abroad (USA) on
Wednesday, 31st August 2024 by External Resource Person Ms. Ojasa Anand Chitre



SPHERE Activity for Higher Education Guidance Abroad

1. Overview & Details

Name of SPHERE Activity	My journey towards pursuing higher education in the USA – how I navigated my way, the challenges I faced & what I learnt from them, how I sustained as foreign student	
Venue / Location	Seminar Hall No. 108, 1 st Floor, Fr. Conceicao Rodrigues College of Engineering	
Activity Co-ordinator	Jayen Modi, Assistant Professor, Department of Electronics & Computer Science & In-charge Public Relations, Fr. Conceicao Rodrigues College of Engineering	
Day, Date & Timings	Wednesday, 21 st August 2024 from 12 noon to 01:00 pm	
Key Resource Persons / Subject Expert Speakers	Ms. Ojasa Anand Chitre Master of Science (M.S.) in Data Science New York University (NYU), USA	
Aims & Objectives of the SPHERE Activity	<p><u>Aim of SPHERE Activity :-</u> The session aims to help students gain clarity on career & academic goals, empower them to make informed decisions about studying abroad & inspire them through success stories with expert insights. It also seeks to correct misconceptions about international education & support student personal, academic & professional growth.</p> <p><u>Objectives of SPHERE Activity :-</u> The objectives include introducing global study options, courses & universities; explaining application processes, deadlines & entry requirements; thereby providing guidance on financial planning & scholarships. The session also aims to connect students with mentors, counselors & alumni; align study choices with their long-term career aspirations; prepare students for cultural & social integration abroad; plus facilitate interactive Q&A and peer-to-peer networking.</p>	
Contents of SPHERE Activity on 'My Journey Towards Higher Education in the USA – Navigation, Lessons & Challenges	<ul style="list-style-type: none"> • How I navigated my way towards a master's degree in the USA • What were the challenges I faced & my learnings from them ? • What helped my sustain myself as a foreign student ? • Open discussion with questions & answers (Q&A) 	
Intended Audience	All interested students wishing to pursue higher education abroad / overseas (USA)	
Programme Outcomes (PO)	<ul style="list-style-type: none"> • PO-6 :- Engineer & Society • PO-7 :- Environment & Sustainability • PO-9 :- Individual & Teamwork • PO-11 :- Project Management & Finance • PO-12 :- Life-long Learning 	

2. Activity Pictures (Images)



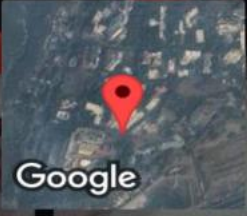
A SPHERE Activity for Career Guidance, Mentoring & Counseling for Higher Education Abroad (USA) on Wednesday, 31st August 2024 by External Resource Person Ms. Ojasa Anand Chitre

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)



Mumbai, Maharashtra, India

Fr. Conceicao Rodrigues College of Engineering, Mount Mary, Bandra West, Mumbai,
Maharashtra 400050, India
Lat 19.044686°
Long 72.820592°
21/08/24 12:24 PM GMT +05:30



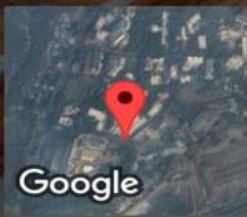
Google

GPS Map Camera



Mumbai, Maharashtra, India

Fr. Conceicao Rodrigues College of Engineering, Mount Mary, Bandra West, Mumbai,
Maharashtra 400050, India
Lat 19.044686°
Long 72.820592°
21/08/24 12:02 PM GMT +05:30



Google

GPS Map Camera

A SPHERE Activity for Career Guidance, Mentoring & Counseling for Higher Education Abroad (USA) on
Wednesday, 31st August 2024 by External Resource Person Ms. Ojasa Anand Chitre

3. Description of Activity

In a recent guest lecture aimed at inspiring prospective international students, a current student at New York University (NYU) delivered compelling account of her academic & personal journey studying abroad. The session offered valuable insights into the realities of pursuing higher education in the United States, with a particular focus on NYU's vibrant academic environment, internship opportunities & student life in New York City.

The speaker began by outlining the academic structure at NYU, emphasizing its flexible curriculum that encourages exploration across disciplines. She praised the university's commitment to academic excellence, highlighting the accessibility of professors, the richness of classroom discussions & the encouragement to engage in independent research. NYU's global outlook fosters a learning environment that is both intellectually stimulating & culturally diverse.

Internships formed a significant part of her experience & she credited NYU's strong industry partnerships & career support services for helping her secure multiple professional roles during her studies. These experiences not only enhanced her resume but also deepened her understanding of real-world applications of her coursework. She emphasized that studying in New York City, an international hub of businesses, technology, fashion, finance & culture, offered unparalleled opportunities to network & grow professionally.

The speaker also shared her experience adapting to life in a new country. While acknowledging initial challenges, such as homesickness & cultural adjustment, she highlighted how NYU's international student services, multicultural events & inclusive campus community helped ease the transition. She spoke warmly of the friendships she formed, the diversity she encountered & the personal growth she achieved living independently in one of the world's most dynamic cities.

In concluding her talk, she offered practical advice to aspiring students. She encouraged them to thoroughly research their chosen programs, be open to new experiences & take advantage of every resource available; both on campus & in the broader city environment. She stressed that studying abroad is not just an academic endeavour but a life-changing journey that fosters resilience, global awareness & personal transformation.

This lecture served not only as a first-hand account of life at New York University (NYU) but also as powerful motivation for students considering international education. It underscored the value of stepping beyond familiar boundaries to embrace the challenges & rewards of a global academic experience.



Jayen Modi

Assistant Professor, Department of Electronics & Computer Science,
In-charge of Public Relations & Outreach (PRO),
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

* * * * *



Ojasa Chitre She/Her · 1st

GHC'24 Scholar | Looking for Data Analyst/Data Scientist role | MS in Data Science @ New York University - May 2025 | Ex - SEP Software Engineer I at JPMorgan Chase & Co.



New York University



New York University

United States · [Contact info](#)

500+ connections

Deepa Chitre, Slayde Sequeira, and 4 other mutual connections

[Message](#) [More](#)

Highlights



Ojasa started a new position as Graduate Research Assistant at New York University

[Message](#)

About

As a Data Science graduate student at New York University, I am passionate about leveraging machine learning, natural language processing, and deep learning to address complex challenges. My academic journey has been enriched by hands-on projects in retrieval-augmented generation (RAG), sentiment analysis, stock market forecasting, and healthcare AI. As an MS Admissions Ambassador at NYU's Center for Data Science, I engage with prospective students, sharing insights about our programs and career opportunities.

I am honored to be a GHC'24 Scholar, reflecting my commitment to advancing women in technology and data science. My experience includes participating in JPMorgan Chase's Software Engineering Program (SEP), where I enhanced my programming and problem-solving skills. I thrive in cross-functional team environments, applying data-driven insights to optimize decision-making in complex domains.

Currently, I am seeking Data Analyst or Data Science internship opportunities for Spring 2025, where I can apply my expertise in machine learning, NLP, and data-driven analytics. I am eager to collaborate with forward-thinking teams on impactful projects that bridge AI innovation with real-world applications. Let's connect and explore opportunities in data science, AI research, and analytics-driven problem-solving!

Top skills

Retrieval-Augmented Generation (RAG) • Large Language Models (LLMs) Fine-Tuning • Natural Language Processing (NLP) • Prompt Engineering • Deep Learning

Activity

720 followers

Posts


Comments

Images

Ojasa Chitre reposted this

Brett Adcock • 3rd+
 Founder @ Figure, Cover, & Archer Aviation
 1mo •

Figure can now walk naturally like a human! Today we're introducing learned natural walking ...more



3,716 · 199 comments · 178 reposts


Ojasa Chitre reposted this

Audrey Duet • 2mo+
 Head, Data & AI
 2mo •

Unlocking Efficiency: The Framework

The Chain-of-Experts (CoE) framework shows how large language models can be used to boost accuracy while cutting costs. Here are the key components you need to know:


- Sequential Activation: Each expert is activated one step at a time, enhancing reasoning capabilities.
- Improved Accuracy: Experts specialize in different tasks, leading to more accurate outputs.



9 · 1 repost


Show all posts →

Experience

 **Graduate Research Assistant**
 New York University · Part-time
 Sep 2024 - Present · 9 mos
 New York, New York, United States · Hybrid


- Designed and implemented a scalable ETL pipeline to process over 3,200 rRNA sequences, reducing data retrieval time by 10%....

Data Loading, Statistics and +2 skills


 **MS Admissions Ambassador**
 NYU Center for Data Science · Part-time
 Sep 2024 - Present · 9 mos
 New York, New York, United States · Hybrid

Responsible for communication with incoming cohort of Masters in Data Science @ NYU students...

Event Management, Data Analytics and +6 skills

 **Data Scientist**
 NYU Langone Health · Part-time
 Sep 2024 - Dec 2024 · 4 mos
 New York, New York, United States · Hybrid

Fine-tuned state-of-the-art instruction-tuned LLMs (Qwen2.5-7B, Llama3.1-8B, and Gemma-7B) for multi-label classification of 2.5M+ unstructured...

 **MS Admissions Ambassador**
 NYU Center for Data Science · Part-time
 Jan 2024 - May 2024 · 5 mos

New York, New York, United States · On-site

Responsible for communication with incoming cohort of Masters in Data Science @ NYU students...

Event Management, Data Analytics and +5 skills



SEP Software Engineer I

JPMorgan Chase & Co. · Full-time

Aug 2022 - Jul 2023 · 1 yr

Mumbai, Maharashtra, India · Hybrid

Developed and maintained data-driven rule-based attribution systems using Java and Spring Boot...

Java, SQL and +10 skills

Show all 8 experiences →

Education



New York University

Masters, Data Science

Sep 2023 - May 2025

Python (Programming Language), Data Science and +4 skills



Bhartiya Vidya Bhavans Sardar Patel Institute of Technology

Munshi Nagar Andheri Mumbai

Bachelor of Technology - BTech, Computer Science

2018 - 2022

Python (Programming Language), Data Structures and +4 skills

Projects

Retrieval-Augmented Generation (RAG) System for Comprehensive RAG Benchmark

Jan 2024 - Apr 2024



Associated with New York University

Designed and implemented a Retrieval-Augmented Generation (RAG) pipeline for the Comprehensive RAG Benchmark (Meta KDD Cup 2024), optimizing document...

Prompt Engineering, Question-Answering Systems and +7 skills



ML_Paper.pdf

Optimized RAG pipelines for the Meta KDD Cup 2024, enhancing document retrieval, prompt engineering, and LLM-based...

Finetune Large language model to analyze radiology report



Associated with New York University

Developed and fine-tuned large language models (LLMs), including Qwen2.5-7B-Instruct, LLaMA-3.1-8B-Instruct, and Gemma-7B-Instruct, to automate the...

Hugging Face, Prompt Engineering and +11 skills



Capstone_Final_Report_DS_1006_Fall_2024 (1).pdf

Show all 3 projects →

Skills

Software Engineering Practices



2 experiences at JPMorgan Chase & Co.



2 educational experiences at New York University and 1 other school



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Department of Electronics & Computer Science (ECS)

B.E. (ECS) - Semester VII for Academic Year (A.Y.) 2024 - 2025

S.P.H.E.R.E. ACTIVITY ON GUIDANCE FOR HIGHER EDUCATION ABROAD

My Journey Towards Pursuing Higher Education in USA by Ojasa Chitre

Wednesday, 31st August 2024 from 11:00 am to 01:00 pm

Sr. No.	Roll No.	Name of Student	Present (P) / Absent (A)
1	9461	Acharya Saieeraj Dhiraj	
2	9462	Adithya Manoj	
3	9463	Ambekar Kush Rajeev	
4	9464	Ansari Muhammad Hashir Tayyab Husain	
5	9465	Antony Desmond	
6	9466	Arur Vrushank Mahesh	
7	9467	Chakalal Jerry Jacob	
8	9468	Chaturvedi Vineet Sanjay	
9	9469	Chitnis Harsh Pallavi	
10	9470	Deva Chelton Charleston	
11	9471	Dubey Gaurav Guruprasad	
12	9472	Fernandes Amrit Cleth	
13	9473	Fernandes Ronan Domnic Wilfred	
14	9474	Gavankar Aadi Vishal	
15	9475	Giri Punit Jagdish	
16	9476	Gupta Janhavi Jiladhis	
17	9477	Hegde Ishan Dinesh	
18	9478	Jain Sujal Arvind	
19	9479	Jakkani Pranav Suresh	
20	9480	Jerome James	
21	9481	Karandikar Ishan Shrinivas	
22	9482	Karekar Shantanu Tej	
23	9483	Khade Kartik Kiran	
24	9484	Khan Sharique Sharif	
25	9485	Kokane Nivedita Kishor	
26	9487	Marfatia Khevna Ritesh	
27	9488	Mathur Akshat Amit	
28	9490	Mohite Aryan Sandeep	

29	9492	Nishad Jaya Satyaprakash	
30	9493	Parmar Bhavik Sampat	
31	9494	Patankar Kaustubh Sanjay	
32	9495	Patil Sameer Kamlakar	
33	9496	Pereira Keefe Wilfred	
34	9497	Poonawala Fihan Riaz	
35	9498	Rajput Karan Ajay	
36	9499	Rao Ruchita Shridhar	
37	9500	Rodrigues Yohan Franco	
38	9501	S Lokesharan N Sunderraj	
39	9502	Saaqib Shaikh	
40	9503	Sahay Shreya Shailendra	
41	9504	Sahu Pravinkumar Dhirendra	
42	9505	Sequeira Steve Savio	
43	9506	Shanbhag Shubham Dayanand	
44	9507	Shetty Dhruv Uday	
45	9508	Shetty Shubh Santosh	
46	9509	Shinde Suraj Dattatraya	
47	9510	Shukla Ashwin Karmdev	
48	9511	Singh Ratan Tejnarayan	
49	9512	Soni Krishna Sharad	
50	9514	Thomas Roshan Bijoy	
51	9515	Tripathi Vaibhav Vijendra	
52	9516	Verma Aditya Govind	
53	9517	Wasnik Aarush Umesh	
54	9519	Zope Mugdha Dileep	
55	9657	Chavan Sumedh Rajesh	
56	9751	Chavan Vaishnavi Vijay	
57	9752	Gupta Aman Rampreet	
58	9753	Gurav Aditya Ashok	
59	9754	Malap Aaditya Narendra	
60	9755	Mistry Krishna Hemant	
61	9756	Patel Bhargavi Ajay	
62	9757	Patil Mayuresh Jitendra	
63	9758	Revankar Siddhesh Prashant	
64	9759	Siddiqui Abdulla Irfan	
65	9760	Worlikar Bleson Thomas	
66	9123	Dsouza Kevin Simon	
67	9122	Dsouza Aaron Stany	

REPORT ON INDUSTRIAL VISIT FOR INTERACTION WITH THE OUTSIDE WORLD & BRIDGING THE CURRICULUM GAP

TO

AUTOMATION EXPO 2024 (MUMBAI)



Friday, 23rd August 2024

**A Supporting Placements & Higher Education
Requirements in Engineering (SPHERE) Activity**

Academic Year 2024 – 2025



REPORT ON DEPARTMENT INDUSTRIAL VISIT

1. Activity / Event Overview & Details

Type of Visit / SPHERE Activity	A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity of Industrial Visit at Department Level for Staff & Students
Name of Institution / Organization Visited	Automation Expo 2024 (Mumbai) Bombay Exhibition Centre, Goregaon, Mumbai (Maharashtra) (www.automationindiaexpo.com)
Educational Visit Organizer & Coordinator	Jayen Modi Assistant Professor & Coordinator – Training & Placements Department of Electronics & Computer Science (ECS)
Intended Target Audience	B.E. (Electronics & Computer Science) – Semester VII T.E. (Electronics & Computer Science) – Semester V S.E. (Electronics & Computer Science) – Semester III
Staff Members Present for Educational Visit	<ul style="list-style-type: none"> • Prof. Dipali Koshti – Assistant Professor • Prof. Binsy Joseph – Assistant Professor • Mrs. Shalaka Parab – Laboratory Technician • Mrs. Pradnya P. Nandlaskar – Laboratory Technician
Day, Date & Timings	Friday, 23 rd August 2024 (full day)
Motivation & Objective of Educational Visit	A golden opportunity in the post-lockdown scenario to observe actual working of any industrial facility in action, thereby trying to bridge the gap between theory & practice. With the global ecosystem entering the phase of Industry 4.0, visit to industrial robotics & automation solution provider company makes student learn & understand concepts of smart manufacturing, Internet of Things (IOT), robotics & other associated technologies thereby enriching their knowledge of the fourth generation industrial revolution (Industry 4.0) !
Relevance to Academic Subjects (Curriculum)	<ul style="list-style-type: none"> • Electronic Devices (ED) – Semester III • Electronic Circuits (EC) – Semester IV • Controls & Instrumentation (C&I) – Semester IV • Sensors & Applications (S&A) – Semester V • Industrial Automation (IA) – Semester VI • Internet of Things (IoT) – Semester VII • Robotics (ROB) – Semester VIII
Relevance to Programme Outcomes (POs)	<ul style="list-style-type: none"> • PO-5 :- Modern Tool Usage • PO-6 :- Engineer & Society • PO-7 :- Environment & Sustainability • PO-9 :- Individual & Teamwork • PO-11 :- Project Management & Finance • PO-12 :- Life-long Learning

2. Introduction & Overview

A group of engineering students and faculty members attended the Automation Expo 2024, India's premier industrial automation trade show. The event showcased over 500 exhibitors from more than 25 countries, including Germany, the USA, Japan & Taiwan, highlighting the latest advancements in automation technologies. The expo served as a platform for students to explore real-world applications of their academic knowledge and gain insights into industry trends.



3. Key Highlights & Experiences

a. Innovative Automation Products & Solutions

Attendees explored a diverse range of automation products & solutions, including:

- **Robotics and Cobots:** Collaborative robots (cobots) designed to work alongside humans in manufacturing environments, enhancing productivity & safety.
- **Industrial IoT (IIoT):** Smart sensors & devices enabling real-time data collection & analysis for predictive maintenance & process optimization.
- **AI and Machine Learning:** Artificial intelligence applications in automation for intelligent decision-making & process control.

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)

- **Motion Control Systems:** Advanced drive systems & controllers for precise movement & positioning in automated machinery.
- **Process Automation Solutions:** Integrated systems for automating complex industrial processes, improving efficiency & consistency.

b. Live Demonstrations & Interactive Sessions

Exhibitors conducted live demonstrations, allowing attendees to interact with cutting-edge technologies:

- **Smart Manufacturing Systems:** Demonstrations of automated production lines showcasing real-time monitoring & control.
- **Virtual Reality (VR) Training Tools:** Immersive VR environments for training operators & technicians in handling automated systems.
- **Augmented Reality (AR) Maintenance Support:** AR applications providing real-time assistance for equipment maintenance & troubleshooting.

c. Industry Trends & Market Insights

The expo provided valuable insights into current & future trends in industrial automation:

- **Sustainability Initiatives:** Focus on energy-efficient & eco-friendly automation solutions to reduce environmental impact.
- **Integration of AI and Robotics:** Increasing adoption of AI and robotics in various industries for enhanced productivity & flexibility.
- **Digital Transformation:** Shift towards digitalization in manufacturing processes, leveraging data analytics & cloud computing.

d. India Automation Challenge 2024

The India Automation Challenge 2024 showcased innovative automation projects developed by engineering students across India. This competition highlighted the creative potential of students and provided a platform for them to present their solutions to industry experts.



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Department of Electronics & Computer Science (ECS)



4. Educational Insights & Takeaways

The visit offered several educational benefits:

- **Exposure to Real-World Applications:** Students observed first-hand how theoretical concepts are applied in industrial settings.
- **Understanding Industry Needs:** Insights into the skills & knowledge required by industries in the field of automation.
- **Networking Opportunities:** Interactions with professionals & experts, fostering connections for future career opportunities.
- **Inspiration for Innovation:** Exposure to cutting-edge technologies inspired students to think creatively & pursue innovation in their projects.



5. Observations & Inferences

The Automation Expo 2024 provided a comprehensive overview of the latest advancements in industrial automation. The experience enriched the students' understanding of the field & motivated them to explore further opportunities in automation & related technologies. Faculty members also gained insights into industry trends, enhancing their ability to guide students in aligning academic curricula with industry requirements.

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6. Class Pictures of Participating Students



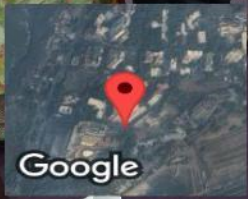
B.E. (Electronics & Computer Science) – Semester VII (Batch of 2025)

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)



Mumbai, Maharashtra, India
Fr. Conceicao Rodrigues College of Engineering, Mount Mary, Bandra West, Mumbai,
Maharashtra 400050, India
Lat 19.044686°
Long 72.820592°
24/08/24 01:25 PM GMT +05:30

B.E. (Electronics & Computer Science) – Semester V (Batch of 2026)



Mumbai, Maharashtra, India
Fr. Conceicao Rodrigues College of Engineering, Mount Mary, Bandra West, Mumbai,
Maharashtra 400050, India
Lat 19.044686°
Long 72.820592°
24/08/24 01:27 PM GMT +05:30

B.E. (Electronics & Computer Science) – Semester III (Batch of 2027)

7. Outcomes, Takeaways & Conclusion

Industrial visits offer a great source to gain practical knowledge. Students can observe and learn as to how theatrical concepts are put to into action, thereby aiding their practical learning. Students are exposed to real working environment and shown how things are done in an organization. From the details about the management to the targets they achieve, everything is covered in these visits.

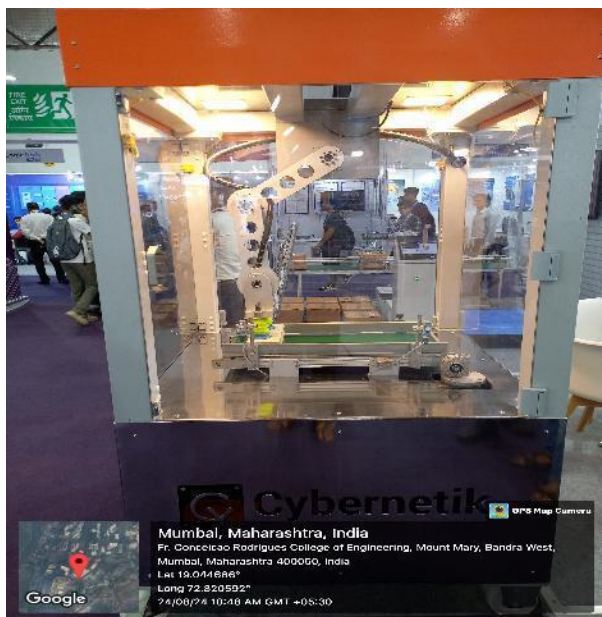
An industrial visit is first-hand experience to anything related to students' career. It helps gain an active learning experience. Traditional engineering colleges cannot afford to show the real methodologies of companies. Therefore, industrial visits are a great way to gain as much as practical and technical knowledge on area of interest. Be it challenges involved in a particular area of interest or nuances to master the field or scope, everything is covered in an industrial visit.

The gap between theoretical learning and practical exposure is actually bridged by industrial visits. The importance of industrial visits is such that it has been made mandatory in many institutions. Also, students are always curious about what kind of work they would be doing after entering their favorite industry. Through industrial visits, they can clarify their doubts and silence their curiosities. They can communicate with people and organizations to get a clear idea of their dream job.


Jayen Modi

Jayen Modi

Assistant Professor & Coordinator – Training & Placement,
Department of Electronics & Computer Science (ECS),
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)





Student & Staff visit to Automation Expo 2024 on Saturday 24th August 2024

1 message

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

20 August 2024 at 06:21

To: jyothi@iedcommunications.com

Cc: dipalis CRCE <dipalis@fragnel.edu.in>, dipalis@frcrce.ac.in, Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>, flynn.dennis@frcrce.ac.in, Shalaka Parab <shalaka.parab@fragnel.edu.in>, varaskar CRCE <varaskar@fragnel.edu.in>, "CRCE, sapna" <sapna@fragnel.edu.in>, sapna@frcrce.ac.in

Dear Madam

Greetings from the Department of Electronics & Computer Science at Fr. Conceicao Rodrigues College of Engineering !

With reference to our telephonic conversation on Friday 16th August 2024, a total of five (05) staff members will be accompanying the students for the exhibition visit on Saturday 24th August 2024. All accompanying students have been strictly instructed to not only register beforehand but also carry along with them a digital copy of their badges for entry. They have also been instructed to carry their college ID cards with them.

I strongly believe that such events are highly beneficial to students since apart from generating excitement regarding real-world applications, they will also motivate students towards the core industry sector of electronics, robotics, automation & manufacturing.

Thank you & regards,

Prof. Jayen Modi

5 attachments



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286K

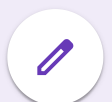


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Feedback on Visit to Automation Expo 2024 at Bombay Exhibition Center (BEC), NESCO Grounds, Goregaon (Mumbai) on Saturday August 24, 2024.

109 responses

[Publish analytics](#)



1. Student Name

109 responses

Jobin Chacko

Marc ian sequeira

Alan Michael Raj

Tanmay Sanjay Sarode

Rickson Xavier Fernandes

Manglam Jaiswal

Parth Balasaheb Sawant

Thakur Niva Rupesh

Mac Brass

Arun Kumar

Peter Aahana Alexis Ravi Melvyn

Mrunali Tamhankar

Anurag singh

Kulkarni siddhesh chaitanya

Nivedita Kishor Kokane

Ishan Hegde

Suvarna Suratsing Rajput

Fernandes Kris

Roshan Thomas

Joel Dsilva

Krishna Soni



Andron Christopher

Benin Dbritto

Shubh Shetty

Tripathi Vaibhav

Harsh Nirbhavave

Aadi Vishal Gavankar

Prachi Avhad

Pereira Stalin Pradeep

Lance Dabre

JERRY JACOB

Veer Dabho

Fihan Poonawala

Glendon Gwilym Dsouza

Shannon Rodrigues

BENEETA BENNY

Jerome James

Coutinho Alycia Anthony

Ashmita Jaiswal

Susannah varghese

Janhvi Jiladhis Gupta

Kush Ambekar

Vipul naik

Stery Sabu



Daksh Ravindra Marathe

Sequeira Steve Savio

Aaditya Narendra Malap

Porathur David Bijudas

Sherwin Gonsalves

Nigel Nunes

Siddhi Pawar

Joshua Daniel Mendes

Saieeraj Acharya

Shubhankar Deshmukh

Johanna Fernandes

Shreyas Gonsalves

Saaqib Shaikh

Samrudhi

Sebastian Pius Dmello

Jersild Dsouza

Vedant Goraksha

Elita Gonsalves

Sanika Sandeep Wagle

Sahil Sylvester Dabre

Princley Patrick Rumao

Saloni Bhosale

Harshit



Shanaia Alvares

Saneesh Francis Kaithathara

Naimish Priyang Purohit

Gupta Latika Surendra Kumar

Anuj Milind Naik

Mehek Gupta

Slavik Dcosta

Harsh Pallavi Chitnis

Adithya Manoj

Reuben Rudy Soares

Mishra Diwakar Chandrabhan

Ronak B Raut

Marathe Soham Sudhir

Freia Carmelica Quadros

Abhishek Pambujya

Yohan Rodrigues

Bleson Thomas Worlikar

Harsh Salunkhe

Chirag Rajpurohit

Amrit Cleth Fernnades

Saket Pokale

NICOLE RONALD MENEZES

Eldrin Varghese



Jaden Vaz

Sydney Ruzario

Vedant Sakpal

Vrushank Mahesh Arur

Dhruv Shetty

Chris Coutinho

Khevna Marfatia

Jesveld Brass

Hanan William Fernandes

Arpith Ganesh Poojary

9 more responses are hidden



2. Student Roll No.

109 responses

10110

10157

9813

10154

10121

10127

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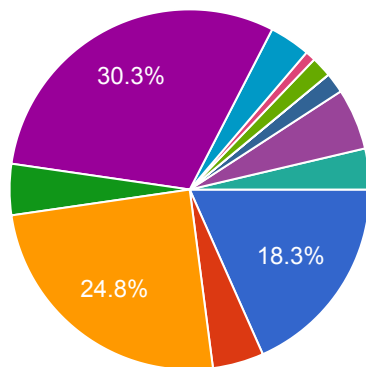
9 more responses are hidden

MAPPING OF PROGRAMME OUTCOMES (PO)

1. Mapping of Programme Outcomes (PO)

 Copy

109 responses



- PO-1 :- Engineering knowled...
- PO-2 :- Problem analysis - Id...
- PO-3 :- Design/development...
- PO-4 :- Conduct investigation...
- PO-5 :- Modern tool usage -...
- PO-6 :- Engineer & society -...
- PO-7 :- Environment & sustai...
- PO-8 :- Ethics - Apply ethical...

▲ 1/2 ▼

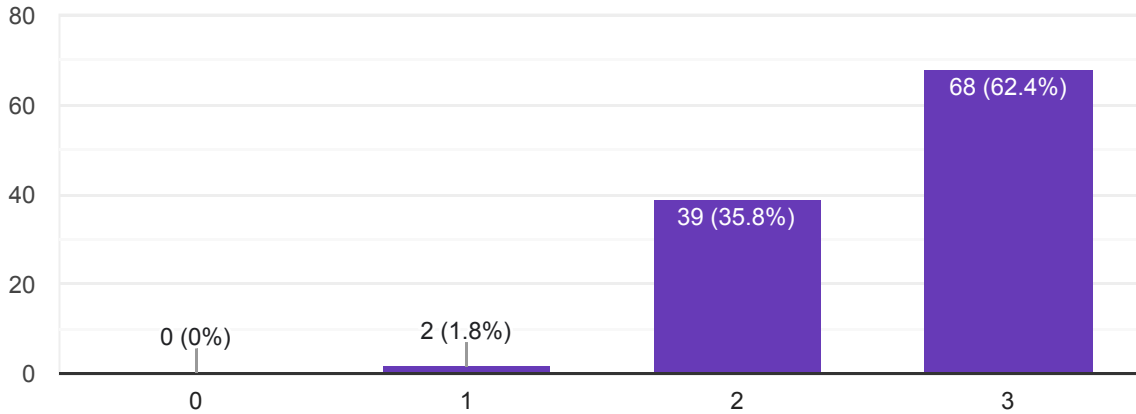
GENERAL / OVERALL FEEDBACK



1. Please rate the amount of value addition/knowledge gained from the visit.



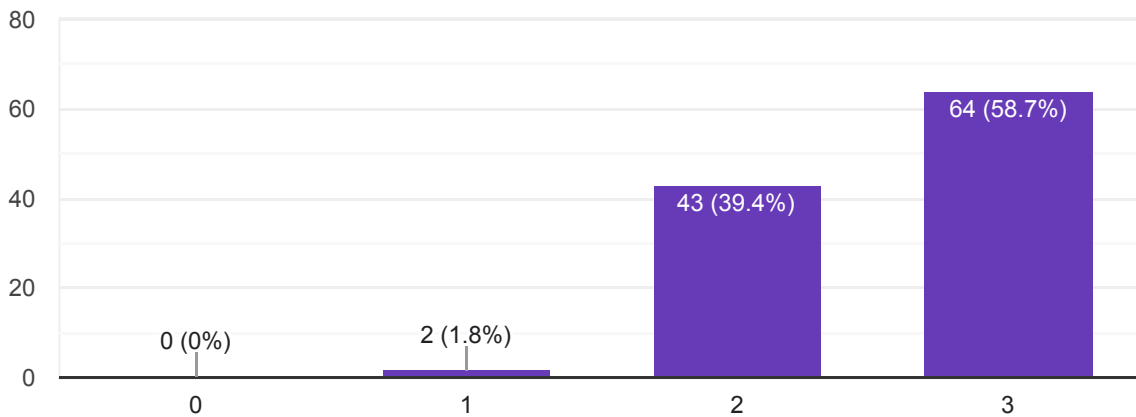
109 responses



2. Please rate the amount of practical applications & real-world usage gained from the visit.



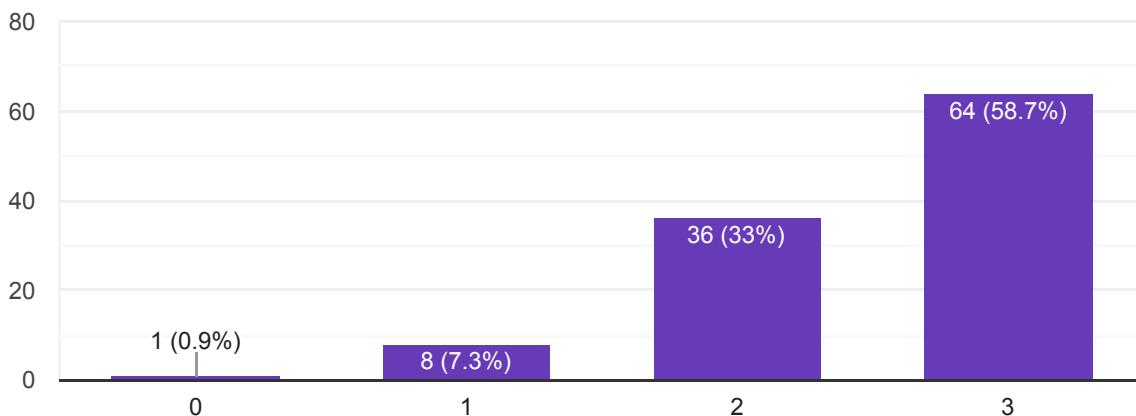
109 responses



3. Please rate the amount of international exposure gained from the visit.



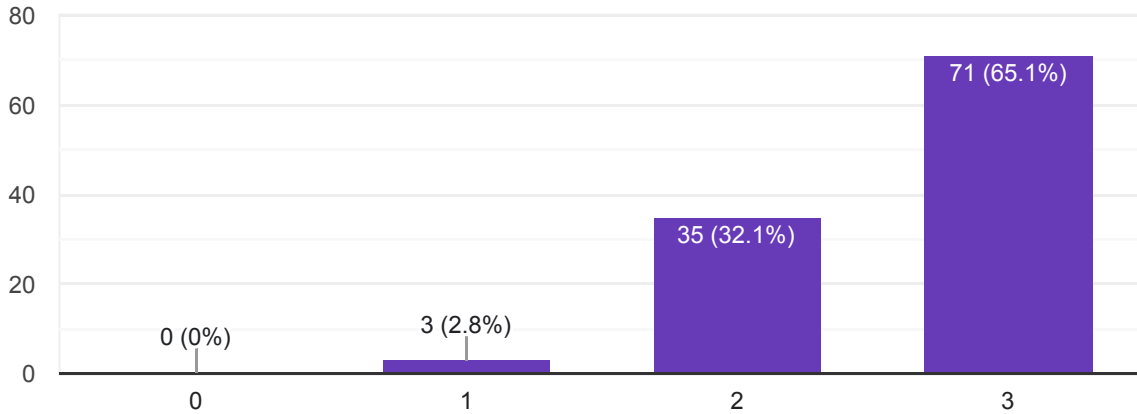
109 responses



4. Please rate the level/amount by which you actually benefited (overall) by this visit.



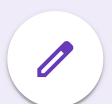
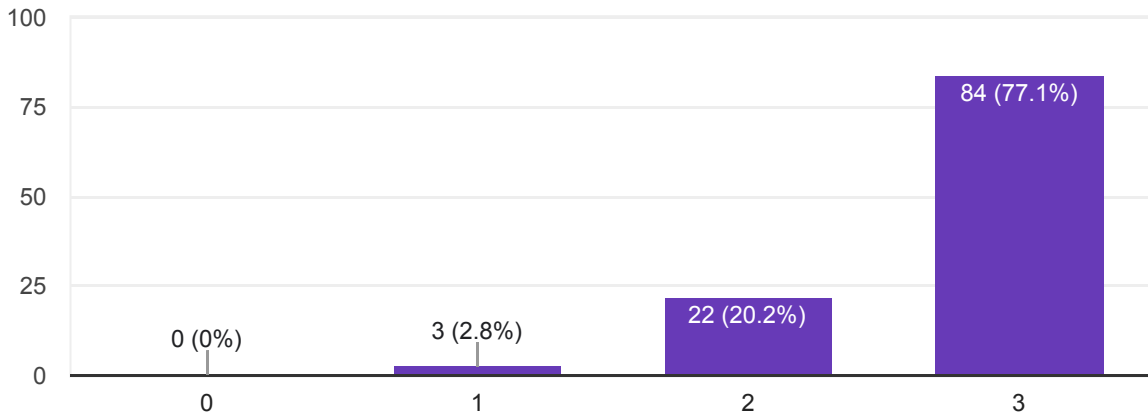
109 responses



5. Please rate the level/amount of efforts/initiatives taken by the Department of Electronics & Computer Science (ECS) to make available such opportunities for students.



109 responses



6. Please provide a testimonial from your side.

109 responses

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It has been an enlightening experience to engage with the technological advancements showcased during this visit. The innovations observed reflect a profound commitment to pushing the boundaries of what is possible, blending cutting-edge technology with practical applications that address real-world challenges.

It was nice

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The Automation Expo was well-organized and informative, featuring a broad range of advanced technologies and practical demonstrations. The explanation were valuable, with expert insights into current trends and future directions. Overall, it was a great learning and networking opportunity.

During the visit, I had the opportunity to explore a range of technological innovations that showcase significant advancements in various fields. I was quite impressed and had a primitive idea of what is going on in the world of science and technology, which will help me in choosing the future path of my engineering career

Innovative more ideas on real time problems

Made me more excited to learn about all these innovations

Very informative visit, got to see new innovations...

The IV was very informative and I got to learn a lot. I got to learn a lot beyond the classroom and understand how concept can be applied to solve real life problems. Would look forward to attending more such events.

The Automation Expo, held at BEC Goregaon 2024, was informative and featured the newest advancements in process control, robotics, and artificial intelligence. Deep insights into the ways in which these technologies might improve productivity and efficiency were given via the interactive demos and networking possibilities. In order to maximize performance, I intend to investigate incorporating sophisticated robotics and AI-driven analytics into our operations going forward. In addition to showcasing new trends, the exhibition emphasized how crucial it is to keep up with technology developments in order to stay productive and competitive.

I had a great experience form the visit . I had the opportunity to observe and engage with a range of technological innovations that were both impressive and inspiring .I am very happy had to know about the technology and to know how it works

The expo opened my eyes to the vast potential of smart automation, and I'm excited to explore



ways to apply these technologies in my own work. Next steps for me include researching collaborations, attending workshops, and searching for internship opportunities.

The overall visit was so fascinating...learnt a lot about latest technologies and got a perfect glimpse of what's happening around the world

Nice and awesome

I can plan my final year project by referring to various brochures provided by distinguished companies, and gain a better idea of my project with them.

The visit to the Automation Expo 2024 was very enlightening in terms of roping in deep understanding about the present trends and innovations happening within the automation industry. It was at the Bombay Exhibition Center that presented the wide array of modern technologies and solutions associated with various sectors—industrial automation, IoT, robotics, AI, and smart manufacturing.

An opportunity was provided to observe some of the technologies that contribute to the realization of the Fourth Industrial Revolution. Among them were extremely advanced robotic systems, AI-facilitated automation tools, and IoT-facilitated devices, which are propelled to catalyze efficiency and productivity within the production areas of various industries. These would ensure a revolution for manufacturing and logistics, among others, in more intelligent and responsive ways of automation.

The visit to the Automation Expo 2024 was very benefiting useful in infusing knowledge and further augmenting more technological and strategic initiatives for the future.

Definitely a very good experience to understand where the industry stands and what are their standards.

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The primary benefit of the visit was not only exposure to new technologies but a better understanding of practical applications of said technology.

It was a great opportunity to know about the various devices and softwares that are actually used for industrial automation. I understood that PLCs play an important role in this field and hope to gain more knowledge towards this field.

I saw many hardware based application and many different projects. Future is work hard build something like ones saw in expo

At the Automation Expo 2024, we had the opportunity to explore a wide array of cutting-edge technologies that showcased real-world industry-level applications of machines and software. One of the key highlights was seeing AI-integrated software such as Maitree AI and Keyence in action. These systems were particularly impressive in their ability to identify impurities in materials, demonstrating the power of AI in quality control and manufacturing.

We were also introduced to advanced switch manufacturing by a company called NextWave. Their innovative approach to producing switches was explained in detail by Flynn Sir, helping



us to better understand how these components are crafted at a high level of precision and efficiency. It was fascinating to witness the seamless integration of technology and machinery in such a critical part of the manufacturing process.

Another area of interest was the conveyor systems developed by Yamaha. These systems were designed with innovation in mind, optimizing material handling and logistics in ways that can greatly enhance productivity in industrial settings. Yamaha's contributions to automation and their impact on streamlining manufacturing operations were truly eye-opening.

In addition to the serious tech innovations, the expo also featured a few gimmicky stalls. One memorable example was a stall offering free popcorn as a marketing tactic. While lighthearted, these elements added a fun and engaging aspect to the expo, illustrating how businesses are using creativity to draw attention to their products.

Overall, the Automation Expo 2024 provided an excellent opportunity to learn about the latest developments in AI, machine manufacturing, and automation technologies. It was a great chance to see how these innovations are being applied in real-world industries to drive efficiency, enhance quality control, and improve production processes across various sectors.

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It was a bit overwhelming at times, but it was also incredibly inspiring. It made me realize that the future is bright, and that we have the potential to create a world that is better than ever before. As I left the expo, I couldn't help but feel a sense of excitement and anticipation for what the future holds.

The visit to Automation Expo 2024 was a fascinating experience that showcased the incredible advancements in automation technology. I was particularly impressed by the wide range of robotic applications on display, from industrial robots performing complex tasks to collaborative robots working alongside humans in a safe and efficient manner. The expo provided valuable insights into the future of automation and its potential to transform industries across various sectors.

The Automation Expo 2024 at NESCO, Mumbai, was an eye-opener. I saw how AI and IoT are transforming factories into smarter, more efficient operations. The innovations were impressive, but I also learned about challenges like high costs and the need for skilled workers.

It was very good

The industrial visit was a valuable chance to link what we learn in class with real-world practice. Seeing advanced technologies in action showed the importance of being flexible, working together, and communicating clearly in a team setting. It also reinforced our understanding of theory. Talking with industry experts deepened my understanding of complex engineering processes and highlighted the need for ongoing learning in a fast-changing field. I plan to use the knowledge gained from this experience in my academic work, take specialized courses, and explore internships or partnerships with industry. Ultimately, I want to apply what I've learned to my future career, whether by creating innovative engineering solutions or choosing a path that aligns with new technology trends.



The Automation Expo 2024 was an absolute blast! The innovative technologies showcased blew my mind. From robotics to AI, the expo was a tech lover's paradise. The interactive demos and cutting-edge solutions left me inspired and eager to explore more.

Automation and robotics have come such a long way. This event has awakened my interest in investigating what lies ahead for technology. After seeing these amazing inventions, I want to learn more about automation and implement these advanced technologies in my next works.

It really changed my thinking related to electronics and industrial work

It was an interesting experience and overall motivating.

The expo was quite interesting and amazing, got to learn new things and update with the leveraging technology like robotics , IOT , industrial automation and various factors. Got to connect with industry experts internationally and which provided a lesson from outside classroom like the practical things how it is applied on the industry product or safety, Company like Panasonic, 3M , yamaha robotics, Eaton , shuttle space indulge with a activity that based on learning with product and profile based growth. Got to connect with company like siemens for the placement and internship opportunity, which can be greater use for further purpose. Litmus company explained how ECS as domain is very important in our company like about the iot product iiot, data augmentation, clarity etc needed from a candidate to give up a rise in the Market. Thank you

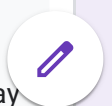
My visit to Automation Expo 2024 at the Bombay Exhibition Center on August 24, 2024, was an enlightening experience. The expo showcased a wide array of technological innovations in the automation industry, ranging from cutting-edge robotics, IoT solutions, and AI-powered manufacturing systems to industrial automation software and control systems. The convergence of such diverse technologies under one roof gave me a deeper understanding of how these advancements are reshaping industries.

During the expo, I was particularly impressed by the advancements in AI-driven automation and predictive maintenance systems. The potential for these innovations to increase efficiency, reduce downtime, and enhance productivity in various sectors is immense. The live demonstrations provided a hands-on insight into how these systems are applied in real-world scenarios, which made me realize the future impact of automation in streamlining operations and improving overall performance.

One key observation was the growing integration of AI with industrial robots. The flexibility and adaptability of these robots to handle complex tasks were quite fascinating. It gave me new perspectives on the future of manufacturing, where such systems can revolutionize production lines by offering greater precision, speed, and cost-efficiency.

After witnessing these technological innovations, my future plan of action would be to delve deeper into specific areas such as AI in automation, robotics, and IoT for industrial applications. I aim to enhance my skills in these domains by pursuing further certifications and projects that align with these cutting-edge technologies. By doing so, I hope to contribute to the development of more intelligent, sustainable, and efficient automation systems in the near future.

This visit has broadened my outlook on the possibilities of automation and inspired me to stay



updated with the rapid advancements in the field, which are bound to shape the future of industries across the globe.

It was great speaking to people and increase connections

It was overall an amazing experience and great way learning

This visit has been a catalyst for rethinking our approach to technology and education. By implementing these insights and focusing on enhancing technological integration, fostering collaboration, and driving innovation.

A lot of new electronic hardware and companies was known

It was a surreal experience. Found out to see so many things happening in the world outside my imagination. Such smart minds, such great innovations. The visit was really exciting.

The visit was so beneficial. Got to learn so much from this visit

Very nice experience, gives hands on experiences and makes us better equipped for the future

The exhibition was a great source of new ideas and knowledge. The exhibitors explained the projects in a very effective and simple way and the same can be applied to many projects in college. Got good amount of idea of some IoT devices and their working and some principles can be used to make mini project for IoT.

The Expo that the faculty had planned for us was very insightful. Every exhibition spot had something unique to display with goodies given at some spots. As the Expo was regarding Automation, we were grateful to have witnessed the integration of AI into such technologies. Some of the projects that we dived deep into were Keyence, Yamaha & Maitri AI that we able to witness up close. The Expo was well thought with the exhibitors coming from across India as we even met some people who were from the South. As it was an automation expo, we were able to see how AI can be integrated into electronics & how easy AI makes automation considering the payloads, algorithms & resource usage when working with industry standard tools.

I was impressed by the advanced technological innovations showcased, particularly in areas like AI, automation, and IoT. These innovations highlight the industry's commitment to efficiency, sustainability, and user-centric solutions. Moving forward, I plan to deepen my understanding of these technologies and explore ways to apply them in my work or studies, ensuring I stay at the forefront of these developments

My experience was overall good learned a lot of new and innovative things expecting more such expo in future.

It was a good initiative from our ECS dpt for us students to get an exposure of the things used in our industry and we learned about other things as well.

Overall it was a great experience to learn and see new technologies and new companies emerge from all across the globe.



Some of the builds really helped me figure out the complexity that goes into building such hardware projects as well as the software integration behind it. This makes me even more excited to use some of the techstacks I've seen and learnt into work.

Through the visit we explored more than 200+ exhibits. Learnt a lot about the existing technology being used in the industry. It helped in broadening my view of the areas I am specifically interested in i.e IoT, Artificial intelligence and Machine learning and their applications in real life.

I think visit as such are quite helpful as we can see the latest developing technologies in their respective fields and also increase our exposure to the industry.

Very nice would like more of these... i enjoyed the truck simulator a lot and the yamaha machine

Explored beyond software which was a necessity for me

The IV was amazing, we got to learn about many different technologies and solutions to problems that the automation industry is facing on a day to day basis

The things that I would implement after the automation expo is keeping track of the industrial needs, the trends and the recent technologies. To provide and enhance current traditional techniques and provide innovative solutions. These are my takeaways from the automation expo24

It was a amazing experience

Automation Expo highlighted on the various innovation and progress across multiple fields.It gave us various projects ideas that we can think and work on.

The expo was a fun as well as educational event. It had a

Our recent visit to Automation Expo 2024 was a transformative experience. The cutting-edge technologies showcased at the expo provided a glimpse into the future of automation. From robotics and AI to IoT and Industry 4.0, the innovations on display were truly inspiring.

I'm really excited about the cool tech I saw at the expo. I want to learn more about how it works and how we can use it in our department. I'll definitely reach out to some experts in the field to get their insights. Hopefully, we can figure out how to bring some of these innovations into our projects and make a real difference.

The Automation Expo at Bombay Exhibition Center was a valuable learning experience, showcasing cutting-edge innovations in automation, robotics, and AI. I:

- Explored latest technological advancements
- Interacted with industry experts and thought leaders
- Gained insights into industry trends and challenges



Future Plan:

- knowledge in automation and related fields
- Network with professionals and like-minded individuals
- Gain practical experience through projects and collaborations
- Contribute to innovative solutions and shape industry future

The expo inspired me to pursue a career in technological innovation, exploring possibilities in automation and beyond.

Very very good

The expo was very informative as I got to explore lots of companies and to know about their products.

Very informative and engaging experience.

Through this visit, I have gained valuable insights about the recent cutting-edge technologies which helped me expand my horizon. These insights will surely help me incorporate innovative ideas in my future projects and research.

The experience was absolutely incredible. I have never witnessed such an extraordinary exhibition before. I gained a wealth of valuable information from this event, and it was truly amazing.

The technologies were very good and soo much new things to discover

As a participant in this visit, I am truly impressed by the breadth and depth of technological innovations that have been showcased. The advancements in areas such as AI, automation, and sustainable technologies are not only groundbreaking but also have the potential to reshape industries and impact lives on a global scale. The most striking aspect of this visit was the level of integration between different technologies. Observing how AI is being utilized to enhance automation processes, or how sustainable technologies are being developed with a focus on efficiency and environmental impact, was particularly enlightening. It's clear that the future is being shaped by those who are willing to push the boundaries of what is possible, and it's inspiring to see so many individuals and companies at the forefront of this movement. Going forward, my plan of action after observing these innovations is multifaceted. Firstly, I intend to deepen my understanding of these technologies, especially in areas where I see the most potential for growth and impact. This will involve further research, networking with industry leaders, and potentially seeking out partnerships or collaborations that could facilitate the development of new projects or initiatives.

This visit has been eye-opening, showcasing impressive technological advancements. Moving forward, I plan to explore how we can implement these innovations in our operations and collaborate with experts to stay ahead in the industry.

The Automation Expo 2024 at Bombay Exhibition Center was an eye-opening experience. The exhibits were impressive, and the Expo offered a great platform for networking and learning. Overall, it was a highly informative and inspiring visit.



It was a great visit for me. I liked the display of technological products by the different companies there. Overall, it was a good experience for me.

I would learn from the industrial catalogue provided by researching on the variety of product range

The visit was very informative. We got to explore new domains which we didn't know existed. After this, we researched about it and got to know a lot more about this. Overall, the visit was very fruitful. After observing these technological things, I've decided to research more about this domain and see about the future career prospects in this domain and see what more I can learn about this.

A great initiative by the ECS department because of them we got the opportunity to explore how the industry works, what kind of products are made. We got the opportunity to speak with people directly from industry so we understood what they need exactly and overall a knowledgeable and great experience, enjoyed it!!

Got to meet a lot of different companies and to understand industry-level mechanisms and technology

It was a highly educational and insightful visit. The exhibition opened our eyes to the availability of a lot of avenues to explore in the domain of automation

A great experience for an engineer to watch, learn and understand the application of different technologies. Opportunity to meet industry experts and having them explain their side of business and technology and able to ask questions helped understand the product and business. Overall a pleasant experience.

Very good experience

It will help me to know much more about startups work which I found helpful

Good event, we want more such events in the future

Attending the automation expo was a really informative experience. It was something new and different, and I got the chance to learn and see things I hadn't encountered before. There were many different companies showcasing their products, and it was interesting to realize that some of what they offer can't be fully replaced by AI.

The organization was very good, it was a very smooth visit for all of us

It was very informative and practical. Finally got to see the tech side of what we study. It was really an eye opener in terms of understanding how they work and the solutions that have been created

I got a lot of ideas about how we should find our problem statement looking first around our surroundings and solving those issues we faced in our daily life. I also got various internship opportunities in the exhibition.



To see a real world usage of the things we learn in college is a really amazing experience

-

I got to see and learn various things such as a computer made for extreme conditions by shuttle | Intel , IIOT tools , it also helped me to gain information on how a robotic arm has many applications and how it is used to make human's works simple, ALso learned a lot about benifits of automation and how it hepls to enhance overall performance.

This visit was indeed very informative and helpful for us. As a student from the ECS department i got to see many new emerging technologies which are related to electronics. Whatever i study theoretically, i saw it all practically in the expo. I understood the importance of hardware and i have some idea , as to what all i can do using my hardware knowledge. I got an exposure to the technologies i had never heard or seen before. A huge thank you to the ecs faculty for giving us this opportunity.

Good

It was a good visit, there was a lot to see and a lot to learn. The faculty went to great efforts to arrange this for the students which we are grateful for. More visits and oppportunities such as this in the future will be of great help as well.

I found the visit to the exhibition refreshing and a welcoming disruption from the daily rigour of theoretical studies. It made me aware of the various applications of multiple concepts in engineering. The exhibition exposed me to a wide array of career choices with regards to automation and general engineering. The working of so many devices that I thought would be so difficult to study was made easy and completely straightforward due to the practical visualization witnessed firsthand.

I saw robots performing tasks with incredible precision and learned about how artificial intelligence is transforming industries. The Internet of Things was also a major focus, demonstrating how connected devices can improve efficiency and data collection. Seeing these technologies in action inspired me to explore the field of automation further. I'm particularly interested in the intersection of AI and robotics and how these technologies can be applied to address real-world challenges

The visit was very helpful and helped me in understanding various concepts that I didn't know existed .

The visit to Automation Expo 2024 was a fascinating experience that showcased the incredible advancements in automation technology. I was particularly impressed by the wide range of robotic applications on display, from industrial robots performing complex tasks to collaborative robots working alongside humans in a safe and efficient manner. The expo provided valuable insights into the future of automation and its potential to transform industries across various sectors

It was fun, informative and gave me an Experience of the tech world. We got and idea of how the technology market work and what all type of innovation it has. Overall all it was a great experience looking forward for more such experiences



It was very helpful and we also gained insight about the various products available

It was nice experience overall gained knowledge about iot and it's application, about robotics,3d printing machine they used the latest technologies there which can be very useful in my future projects as a team member or as an individual. Got great explanation from international exhibitors about their project and got to know what is happening in the real world.

It was great experience for visiting there got to know more about technology would love to work some of the project

There were many projects displayed from which I gained many insights

Was a great experience visiting the NESCO hub, was a pleasure that we at such young part of our lives were able to view such innovations and ideas and also the hard work put in them. Overall really looking forward to go and seek out new ideas and projects next year. Thank you.

Every engineer must experience this and learn from this visit as it helps in understanding the current technology and ways of implementation. Also shows you where you stand based on your skillset .

The real life applications of what we are learning made our concepts much more clear.

4 more responses are hidden

7. Please upload your registration badge (PNG/PDF).

109 responses

8. Please upload your pictures/images from the visit.

109 responses

THANK YOU FOR YOUR VALUABLE FEEDBACK

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TECHNOLOGY INNOVATION HUB FOR IoT & IoE
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Department of Electronics & Computer Science (ECS)

Expert Guest Lecture Series by



Susmita Banerjee

AI/ML Senior Engineer @TIH-IoT
Indian Institute of Technology
Bombay (IIT Bombay)



Dhanashri Parate

AI/ML Senior Engineer @TIH-IoT
Indian Institute of Technology
Bombay (IIT Bombay)

Internet of Things (IoT) – Meaning, Artificial Intelligence (AI) Characteristics & Applications & Real World Applications



**Wednesday
28th August 2024**



**01:30 pm IST
(For SE/TE/BE)**



**Classroom No.
306/307**

A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity

On

‘Internet of Things (IoT) – Meaning, Characteristics & Applications with Artificial Intelligence (AI) & Real World Applications’

By

Susmita Banerjee & Dhanashri Parate
Technology Innovation Hub for IoT (TIH-IoT)
Indian Institute of Technology Bombay (IITB)



B.E. (Electronics & Computer Science) – Semester VII



Wednesday, 28th August 2024 from 01:30 pm to 3:30 pm

A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity on Internet of Things (IoT) & Artificial Intelligence (AI) with Experts from TIH-IoT (IITB) on Wednesday, 28th August 2024



SPHERE Activity on IoT along with AI & ML in Real World

1. Overview & Details

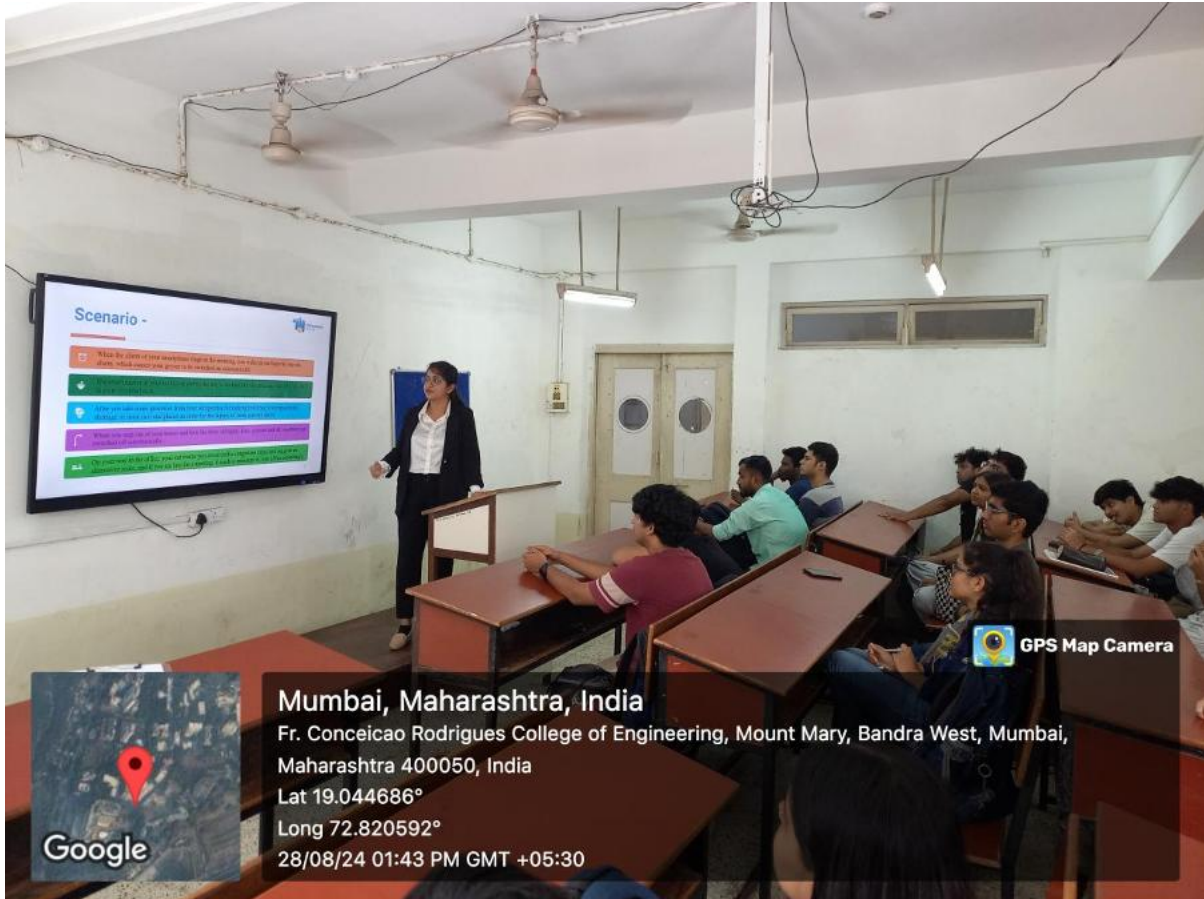
Name of SPHERE Activity	Internet of Things (IoT) – Meaning, Characteristics & Applications along with Artificial Intelligence (AI) & Real World Applications'	
Venue / Location	Classroom No. 306 / 307, 3 rd Floor (Department of Electronics & Computer Science)	
Activity Organizer & Coordinator	Prof. Flynn Jiu & Prof. Jayen Modi Assistant Professors, Department of Electronics & Computer Science (ECS)	
Day, Date & Timings	Wednesday, 28 th August 2024 from 01:30 pm to 03:30 pm IST	
Key Resource Persons / Subject Expert Speakers	Ms. Susmita Banerjee & Dhanashri Parate Technology Innovation Hub for Internet of Things (TIH-IOT) Indian Institute of Technology Bombay (IITB)	 
Aims of the SPHERE Activity	A beyond syllabus lecture delivered by an industry resource person typically aims to bridge gap between academic learning & industrial practices. The primary goal is to expose students to real-world applications & current trends in Internet of Things (IoT) that go beyond what is covered in textbooks. Such sessions aim to inspire innovation, enhance practical understanding & prepare students for future roles in the technology sector. By bringing in insights from live projects & actual work environments, these lectures help students appreciate the relevance & complexity of big data in fields such as automotive, consumer electronics, healthcare & Internet of Things (IoT) with Artificial Intelligence (AI).	
Objectives of the SPHERE Activity	The objectives of the lecture focus on providing students with a deeper understanding of how data engineering systems are designed, developed & deployed in the industry. Students should be able to grasp the complete lifecycle of data engineering projects & become familiar with industry-standard tools, platforms & practices & also conversant with data warehousing, data mining & other aspects of data engineering. The lecture also aims to introduce students to current challenges & considerations in the world of data & also answer questions based on fair use of data & various ethical concepts. Additionally, case studies may be discussed to illustrate real-world implementations, & guidance on career pathways & essential skill set was provided.	
Intended Audience	B.E. (Electronics & Computer Science) – Semester VII	
Programme Outcomes (PO)	<ul style="list-style-type: none"> • PO-6 :- Engineer & Society • PO-7 :- Environment & Sustainability • PO-9 :- Individual & Teamwork • PO-11 :- Project Management & Finance • PO-12 :- Life-long Learning 	

A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity on Internet of Things (IoT) & Artificial Intelligence (AI) with Experts from TIH-IoT (IITB) on Wednesday, 28th August 2024

2. Activity Pictures (Images)



FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)



FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)



A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity on Internet of Things (IoT) & Artificial Intelligence (AI) with Experts from TIH-IoT (IITB) on Wednesday, 28th August 2024

3. Description of Activity

Overview

This presentation session by Dhanashri Parate, Senior Engineer – AI&ML at TIH-IoT, IIT Bombay, provides an insightful introduction to Artificial Intelligence (AI), necessity, core techniques, real-world use cases, current trends & challenges. It aims to inspire final-year engineering students to explore AI through hands-on projects.

1. Why Do We Need AI ?

Traditional methods using basic mathematics or statistics solve simple problems without context. AI is required where understanding context is vital – such as natural language processing. Example: the word 'Curry' can mean different things depending on the sentence, which AI can learn to distinguish.

2. What is AI ?

Artificial Intelligence allows machines to mimic human intelligence. Applications include virtual assistants (Siri, Alexa), recommendation systems (Netflix, Amazon), chatbots & image/speech recognition systems.

3. AI vs. Machine Learning (ML)

AI is overarching concept of creating intelligent machines. Machine Learning provides the tools for AI systems to learn & adapt from data.

4. Common Algorithms & Techniques

- Linear Regression
- Logistic Regression
- Neural Networks
- Support Vector Machines (SVM)
- K-Means Clustering

5. Deep Learning (DL) Techniques

- Convolutional Neural Networks (CNNs): Image/video analysis
- Recurrent Neural Networks (RNNs): Sequence prediction, NLP
- Generative Adversarial Networks (GANs): Data generation

6. Real-World Applications

- Healthcare: Diagnostics, personalized medicine
- Finance: Fraud detection, algorithmic trading
- Transportation: Autonomous vehicles, traffic control
- Retail: Recommendation systems, inventory optimization
- Image Recognition: Media classification
- NLP: Translation, sentiment analysis, chatbots

7. Current & Emerging Trends

- Explainable AI (XAI)
- Ethical AI
- AI in Edge Computing
- Generative AI: Text, images, code generation

8. Challenges in AI

- Data Privacy & Security
- Bias & Fairness
- Scalability & Efficiency

A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity on Internet of Things (IoT) & Artificial Intelligence (AI) with Experts from TIH-IoT (IITB) on Wednesday, 28th August 2024

9. Future Prospects & Recommendations

Students are strongly encouraged to engage with AI tools, participate in competitions & explore research opportunities. Suggested Platforms: Kaggle, Stack Overflow, TensorFlow, OpenAI, DeepLearning.AI, Hugging Face

Conclusion

AI is poised to revolutionize industries similarly to how electricity transformed society. Students should stay informed, skill up & actively contribute to AI advancements.

Overview

This presentation by Susmita Banerjee, Senior Engineer – AI/ML at TIH-IoT, IIT Bombay, introduces students to concept of the Internet of Things (IoT), its origins, key characteristics, applications across various domains & associated benefits & challenges.

Scenario-Based Introduction

A real-world scenario describes interconnected smart devices working together – from setting an alarm & automatically activating a geyser to smart mirrors showing weather data & refrigerators placing grocery orders. This illustrates the practical value of IoT in everyday life.

What is IoT?

IoT is the network of smart physical objects embedded with sensors, computation units & connectivity, enabling them to collect, exchange & analyze data to take context-aware actions. The goal is to 'connect the unconnected.'

Enabling Technologies

- Embedded Systems
- Low-power Networks
- Internet
- Big Data & Analytics
- Cloud Computing
- Edge Intelligence

Benefits of IoT

- Automation & precision in tasks
- Predictive maintenance to reduce failures
- Process efficiency & cost reduction
- Enhanced remote monitoring & insights
- Scalable & adaptable systems

IoT Device Growth

IoT Analytics forecasts rapid growth, with IoT connections surpassing non-IoT connections. Smart devices are expected to increase significantly across sectors.

Application Areas

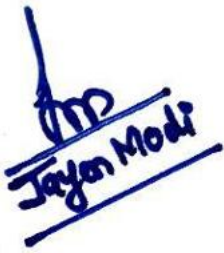
- Smart Cities: Intelligent traffic & utility management
- Smart Homes: Energy optimization, security, automation
- Smart Healthcare: Remote monitoring, diagnostics
- Industrial IoT: Smart factories, supply chain management
- Smart Agriculture: Precision farming, resource optimization

Challenges in IoT

- Data security & privacy
- Interoperability & standards
- Scalability & infrastructure costs
- Power consumption & network reliability

Conclusion & Call to Action

IoT has transformed how we interact with devices, enabling data-driven automation & decision-making. Engineering students are encouraged to explore IoT technologies, develop innovative applications & contribute to this dynamic & impactful field.



Jayen Modi

Assistant Professor, Department of Electronics & Computer Science
Coordinator – Training & Placements, Department of Electronics & Computer Science
In-charge of Public Relations & Outreach (PRO)
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)



Flynn Dennis Jiu

Assistant Professor & Subject I/C – Data Warehousing & Mining
Department of Electronics & Computer Science
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

* * * * *

Proposed visit to TIH-IoT for Staff & Students

14 messages

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>
To: Susmita Banerjee <susmita.banerjee@tihilb.org>
Cc: flynn.dennis@fragnel.edu.in, flynn.dennis@frcrce.ac.in

13 July 2024 at 11:46

Dear Susmita Banerjee

Greetings from the Department of Electronics & Computer Science (ECS) at Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE), Bandra, Mumbai !

Continuing with our communication & collaboration from August/September 2023 where your extremely kind words of wisdom on providing us all the necessary help really motivated us. We would like to have a visit to TIH-IOT center for one day (staff & students). The objective of this visit is to spread awareness about TIH-IOT itself, various avenues, internships, research projects undertaken & opportunities available to students. Students can observe the various facilities at TIH-IOT & take a tour of the campus. There would be 60 students accompanied by 2-3 staff members (including myself).

In my opinion, this would be an extremely engaging & enriching learning experience for the students beyond the curriculum. Also not to mention a lot of information about TIH-IOT would be available to them too.

We are open to visit on any working Monday or on any 1st or 3rd Saturday of the month.

Looking towards a favourable reply.

Thanks & regards.

Jayen Modi
Chartered Engineer (C.Eng.)
M.E. (Electronics Engineering) | B.E. (Electronics Engineering)
University of Mumbai | Diploma in Industrial Electronics (Dip. IE) - MSBTE
LMRSI | LMSSI | LMSASS | LMISROSET | LMIAENG | LMCSI
LMISOI | LMISTE | LMIOASD | LMIEI | LMBMESI |
Member of Board of Engineers (BOE), Federal Republic of Malaysia
Assistant Professor & Co-ordinator, Training & Placements,
Department of Electronics & Computer Science (ECS)
In-charge of Public Relations & Outreach (PRO),
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

Susmita Banerjee <susmita.banerjee@tihilb.org>
To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>
Cc: flynn.dennis@fragnel.edu.in, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihilb.org>

15 July 2024 at 10:35

Dear Mr. Jayen Modi,

Thank you for reaching out.

Unfortunately, at this moment, we are still in the process of setting up our labs and facilities, and our team is currently occupied with critical project deliverables. Coordinating a visit of such scale would require significant time and resources. So, at this moment it's difficult to arrange for any visit.

Thank you for your understanding.

Best regards,



Susmita Banerjee

Senior Engineer - AI/ML

TIH Foundation for IoT & IoE

T: 022-21593535 | E: susmita.banerjee@tihilb.org



[Quoted text hidden]

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>
To: Susmita Banerjee <susmita.banerjee@tihilb.org>
Cc: flynn.dennis@fragnel.edu.in, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihilb.org>

21 July 2024 at 23:26

Dear Susmita Banerjee Madam

Thank you for reverting back promptly. In that case I propose a session by you on our campus in our Department, preferably on the topic of Cloud Computing & Internet of Things. This will also be an excellent chance for our students to know more about TIH-IOT & its activities / programmes.

I humbly recommend any Wednesday from 1:30 pm onwards or any Thursday from 11 am onwards since all students will be available as per time table.

This session will be for final year engineering (B.E.) students of electronics & computer science (ECS) who have IoT & Cloud Computing in their syllabus.

Looking towards a favourable reply. We extend an invitation to visit the Department of Electronics & Computer Science.

Thanks & regards.

Jayen Modi
Chartered Engineer (C.Eng.)
M.E. (Electronics Engineering) | B.E. (Electronics Engineering)
University of Mumbai | Diploma in Industrial Electronics (Dip. IE) - MSBTE
LMRSI | LMSSI | LMSASS | LMISROSET | LMIAENG | LMCSI
LMISOI | LMISTE | LMIOASD | LMIEI | LMBMESI |
Member of Board of Engineers (BOE), Federal Republic of Malaysia
Assistant Professor & Co-ordinator, Training & Placements,
Department of Electronics & Computer Science (ECS)
In-charge of Public Relations & Outreach (PRO),
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

[Quoted text hidden]

Susmita Banerjee <susmita.banerjee@tihilb.org>
To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>
Cc: flynn.dennis@fragnel.edu.in, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihilb.org>

23 July 2024 at 10:21

Dear Mr. Jayen Modi,

Thank you for the opportunity and invitation to the session on 'Cloud Computing and the Internet of Things'. I will confirm the date within the next few days.

Regards,
Susmita Banerjee

[Quoted text hidden]

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>
To: Susmita Banerjee <susmita.banerjee@tihilb.org>
Cc: flynn.dennis@fragnel.edu.in, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihilb.org>

23 July 2024 at 10:24

Dear Susmita Banerjee Madam

Thank you so much for this wonderful opportunity not only for our students, but also for us staff members too !

Looking forward to your reply !

Thank you.

[Quoted text hidden]

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>
To: Susmita Banerjee <susmita.banerjee@tihanitb.org>
Cc: flynn.dennis@fragnel.edu.in, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihanitb.org>

3 August 2024 at 09:53

Dear Ms. Susmita Banerjee Madam

Greetings of the day !

In case of any date confirmation from your side, kindly let us know so students can be informed accordingly for your session on the campus.

I humbly recommend any Wednesday from 1:30 pm onwards or any Thursday from 11 am onwards since all students will be available as per time table.

Thanks & regards.

Jayen Modi
Chartered Engineer (C.Eng.)
M.E. (Electronics Engineering) | B.E. (Electronics Engineering)
University of Mumbai | Diploma in Industrial Electronics (Dip. IE) - MSBTE
LMRSI | LMSSI | LMSASS | LMISROSET | LMIAENG | LMCSI
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Member of Board of Engineers (BOE), Federal Republic of Malaysia
Assistant Professor & Co-ordinator, Training & Placements,
Department of Electronics & Computer Science (ECS)
In-charge of Public Relations & Outreach (PRO),
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

[Quoted text hidden]

Susmita Banerjee <susmita.banerjee@tihanitb.org>
To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>
Cc: flynn.dennis@fragnel.edu.in, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihanitb.org>

5 August 2024 at 09:37

Hi Mr. Jayen,

Yes, Sure. I will take the session on 28th August at 3PM.

Thanks and regards,



Susmita Banerjee
Senior Engineer - AI/ML
TIH Foundation for IoT & IoE

T: 022-21593535 | E: susmita.banerjee@tihanitb.org



[Quoted text hidden]

Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>
To: Susmita Banerjee <susmita.banerjee@tihanitb.org>
Cc: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihanitb.org>

6 August 2024 at 09:54

Dear Ms. Susmita Banerjee,

I hope this message finds you well. I wanted to express my gratitude for arranging the upcoming session. To ensure we make the most of our time together, could you kindly share the specific topic you plan to cover in advance? This will enable us to prepare and engage more meaningfully.

Additionally, I'd like to confirm that the venue for the session will be Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE) in Bandra, as previously discussed.

Lastly, will any of your colleagues be joining us for the session? We're looking forward to a productive and enlightening discussion.

Thank you once again for your time and expertise. We're eagerly anticipating the session!

Regards,
Flynn Jiu
Asst. Professor
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

[Quoted text hidden]

Susmita Banerjee <susmita.banerjee@tihanitb.org> 6 August 2024 at 15:38
To: Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>
Cc: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihanitb.org>, Dhanashri Parate <dhanashri.parate@tihanitb.org>

Hi Mr. Flynn,

Thank you for your message.

Yes, I will share with you the specific topic in advance for sure.

To make the discussion more productive, Ms. Dhanashri from TIH-IoT can join and deliver a separate session related to AI.

I am also looking forward to an engaging and enlightening discussion.

Regards,



Susmita Banerjee
Senior Engineer - AI/ML
TIH Foundation for IoT & IoE

T: 022-21593535 | E: susmita.banerjee@tihanitb.org



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Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in> 6 August 2024 at 22:24
To: Susmita Banerjee <susmita.banerjee@tihanitb.org>
Cc: Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihanitb.org>, Dhanashri Parate <dhanashri.parate@tihanitb.org>

Dear Susmita Banerjee Madam

Thank you for reverting back. Would it be possible to start the session latest by 1:30 pm or say no later than 2 pm ? This is as per the time-table constraints.

At the department level we have already reserved your slot on Wednesday 28th August 2024.

[Quoted text hidden]

Susmita Banerjee <susmita.banerjee@tihanitb.org>
To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>
Cc: Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihanitb.org>, Dhanashri Parate <dhanashri.parate@tihanitb.org>

7 August 2024 at 09:21

Dear Mr. Jayen,

Sure, we will start the session by 1:30pm.

Thanks and regards,
Susmita Banerjee
[Quoted text hidden]

Susmita Banerjee <susmita.banerjee@tihanitb.org>
To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>
Cc: Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihanitb.org>, Dhanashri Parate <dhanashri.parate@tihanitb.org>

20 August 2024 at 10:29

Hi Mr. Jayen,

Here are the topics that we are going to take during the session:

1. **Internet of Things - Meaning, Characteristics, Applications** by Susmita Banerjee
2. **AI and It's real-world Applications** by Dhanashri Parate

Thanks and regards,



Susmita Banerjee

Senior Engineer - AI/ML

TIH Foundation for IoT & IoE

T: 022-21593535 | E: susmita.banerjee@tihanitb.org



[Quoted text hidden]

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>
To: Susmita Banerjee <susmita.banerjee@tihanitb.org>
Cc: Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihanitb.org>, Dhanashri Parate <dhanashri.parate@tihanitb.org>

21 August 2024 at 09:11

Dear Ms. Susmita Banerjee Madam

Thank you so much for the updates. It would be an absolute privilege to host resource persons of your caliber in our department next week. We really look forward to an engaging, interactive & inspiring session by you both.

Can you please forward both your pictures & profiles so that we can prepare a welcome flyer for a formal introduction.

Also, you can forward your PPTs/slides here in .pdf or .ppt/.pptx format so they can be saved on a USB drive. We have interactive display boards for the same.

Kindly note our contact numbers :-
+91-9930314033 (Prof. Jayen Modi)
+91-9987458188 (Prof. Flynn Jiu)

Thanks & regards.
[Quoted text hidden]

Susmita Banerjee <susmita.banerjee@tihilb.org>
To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>
Cc: Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>, flynn.dennis@frcrce.ac.in, Sachin Paramane <cto@tihilb.org>, Dhanashri Parate <dhanashri.parate@tihilb.org>

22 August 2024 at 10:30

Hi Mr. Jayen,

Please find the attached pictures.

Profiles:

Susmita Banerjee: AI/ML Senior Engineer at TIH-IoT, IIT Bombay

Dhanashri Parate: AI/ML Senior Engineer at TIH-IoT, IIT Bombay

Kindly let me know if you require more details.

Thanks and regards,



Susmita Banerjee

Senior Engineer - AI/ML

TIH Foundation for IoT & IoE

T: 022-21593535 | E: susmita.banerjee@tihilb.org



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2 attachments



SUSMITA_PIC.jpeg
11K



DHANASHRI_PIC.png
742K



Autonomous Institution Affiliated to University of Mumbai | Awarded Grade 'A' by NAAC

CERTIFICATE OF APPRECIATION

is presented to

Dhanashri Parate

AI/ML Senior Engineer, TIH-IoT

Indian Institute of Technology Bombay



for conducting a one-day offline 'Expert Lecture Series Talk' on 'Artificial Intelligence (AI) & its Real World Applications' organized by the Department of Electronics & Computer Science under SPHERE (Supporting Placements & Higher Education Requirements in Engineering) initiative on Wednesday, 28th August 2024.

Jayen Modi

Organizer & Assistant Professor,
Electronics & Computer Science
Department, Fr. Conceicao
Rodrigues College of Engineering



Dr. Sapna U. Prabhu

Professor & Head of Department,
Electronics & Computer Science
Department, Fr. Conceicao
Rodrigues College of Engineering



Autonomous Institution Affiliated to University of Mumbai | Awarded Grade 'A' by NAAC

CERTIFICATE OF APPRECIATION

is presented to

Susmita Banerjee

AI/ML Senior Engineer, TIH-IoT

Indian Institute of Technology Bombay



for conducting a one-day offline 'Expert Lecture Series Talk' on 'Internet of Things (IoT) – Meaning, Characteristics & Applications' organized by the Department of Electronics & Computer Science under SPHERE (Supporting Placements & Higher Education Requirements in Engineering) initiative on Wednesday, 28th August 2024.

Jayen Modi

Organizer & Assistant Professor,
Electronics & Computer Science
Department, Fr. Conceicao
Rodrigues College of Engineering



Dr. Sapna U. Prabhu

Professor & Head of Department,
Electronics & Computer Science
Department, Fr. Conceicao
Rodrigues College of Engineering



An Autonomous Institution under the University of Mumbai | Awarded Grade 'A' by NAAC

Department of Electronics & Computer Science (ECS)

Wednesday, 28th August 2024

To
Dhanashri Parate
AI/ML Senior Engineer, TIH-IoT
Indian Institute of Technology Bombay (IITB)

Dear Madam,

We express our heartfelt gratitude for gracing our campus & department to interact with our students of B.E. (Electronics & Computer Science) – Semester VII. Please accept our heartfelt acknowledgements towards accepting our invitation for an 'Expert Lecture Series Talk'. As a resource person, your extremely invaluable inputs, tips & guidelines will not only inspire but also motivate them towards exploring the untouched frontiers in Internet of Things (IoT) & may eventually take it up as a rewarding career option.

As an initiative by the Department of Electronics & Computer Science, SPHERE (Supporting Placement & Higher Education Requirements in Engineering) aims to provide an all-round, holistic 360° support system to our students whether it is preparations, guidance, mentoring or counseling for on-campus placements or higher education pursuits.

Once again we thank you towards this invaluable contribution in addressing our students despite your busy professional schedule & other work commitments.

Regards,

Dr. Sapna U. Prabhu
Professor & Head of Department,
Department of Electronics & Computer Science,
Fr. Conceicao Rodrigues College of Engineering.

P.S. Kindly sign with date the duplicate copy of this letter as an acknowledgement from you.



An Autonomous Institution under the University of Mumbai | Awarded Grade 'A' by NAAC

Department of Electronics & Computer Science (ECS)

Wednesday, 28th August 2024

To
Susmita Banerjee
AI/ML Senior Engineer, TIH-IoT
Indian Institute of Technology Bombay (IITB)

Dear Madam,

We express our heartfelt gratitude for gracing our campus & department to interact with our students of B.E. (Electronics & Computer Science) – Semester VII. Please accept our heartfelt acknowledgements towards accepting our invitation for an 'Expert Lecture Series Talk'. As a resource person, your extremely invaluable inputs, tips & guidelines will not only inspire but also motivate them towards exploring the untouched frontiers in Internet of Things (IoT) & may eventually take it up as a rewarding career option.

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Professor & Head of Department,
Department of Electronics & Computer Science,
Fr. Conceicao Rodrigues College of Engineering.

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AI and it's Real-World Applications

Dhanashri Parate

Senior Engineer – AIML

Technology Innovation Hub – IoT & IoE, IIT Bombay

Why do we need AI?



Problems solved using Basic Mathematics : Calculating the distance. Is there any dependency of knowing the context. Riding a bicycle or train or just walking. Easily program this. Can you predict what's going to happen next.



Problem solved using Statistics : Placement of Engineering Colleges. To calculate this, we need to consider the entire population. Do we need to have context. Can you predict what's going to happen next.



Problem solved using AI : Do you teach a computer an entire language. Can you program it. Do you need context while performing this task.

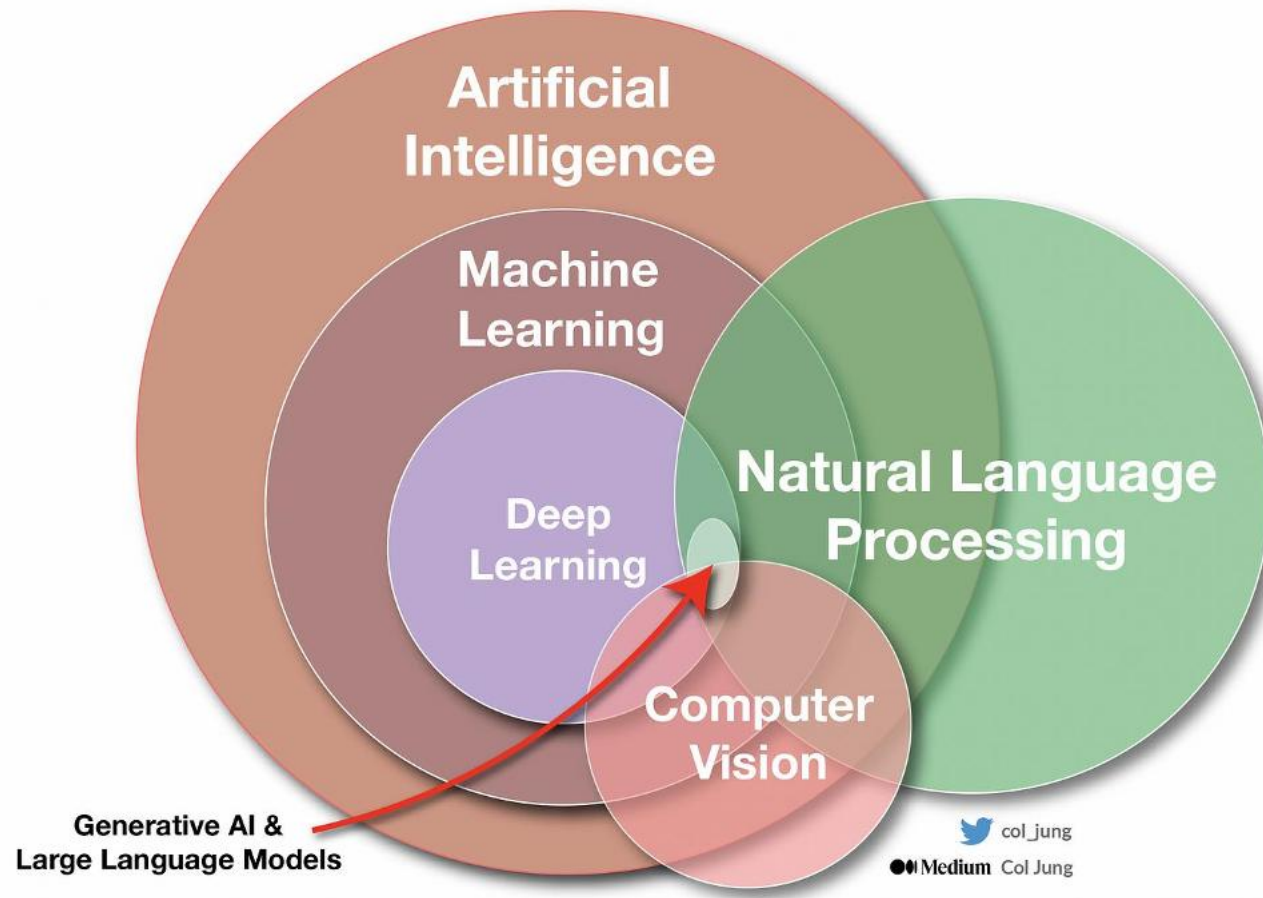
E.g. The Curry is spicy. Michal Curry is an intelligent person. Curry in these 2 sentences have totally different meaning. Can you predict what's going to happen next.

What is AI?

Artificial Intelligence (AI) refers to the capability of a machine to imitate intelligent human behavior. It involves creating systems that can perform tasks that typically require human intelligence, such as recognizing speech, making decisions, and translating languages.

Example:

- Virtual Assistance : Siri, Alexa
- Recommendation Systems : Netflix , Amazon
- Chatbots : Customer support bots, Automated messaging services
- Image and Speech Recognition : Google photos tagging, Voice-to-text

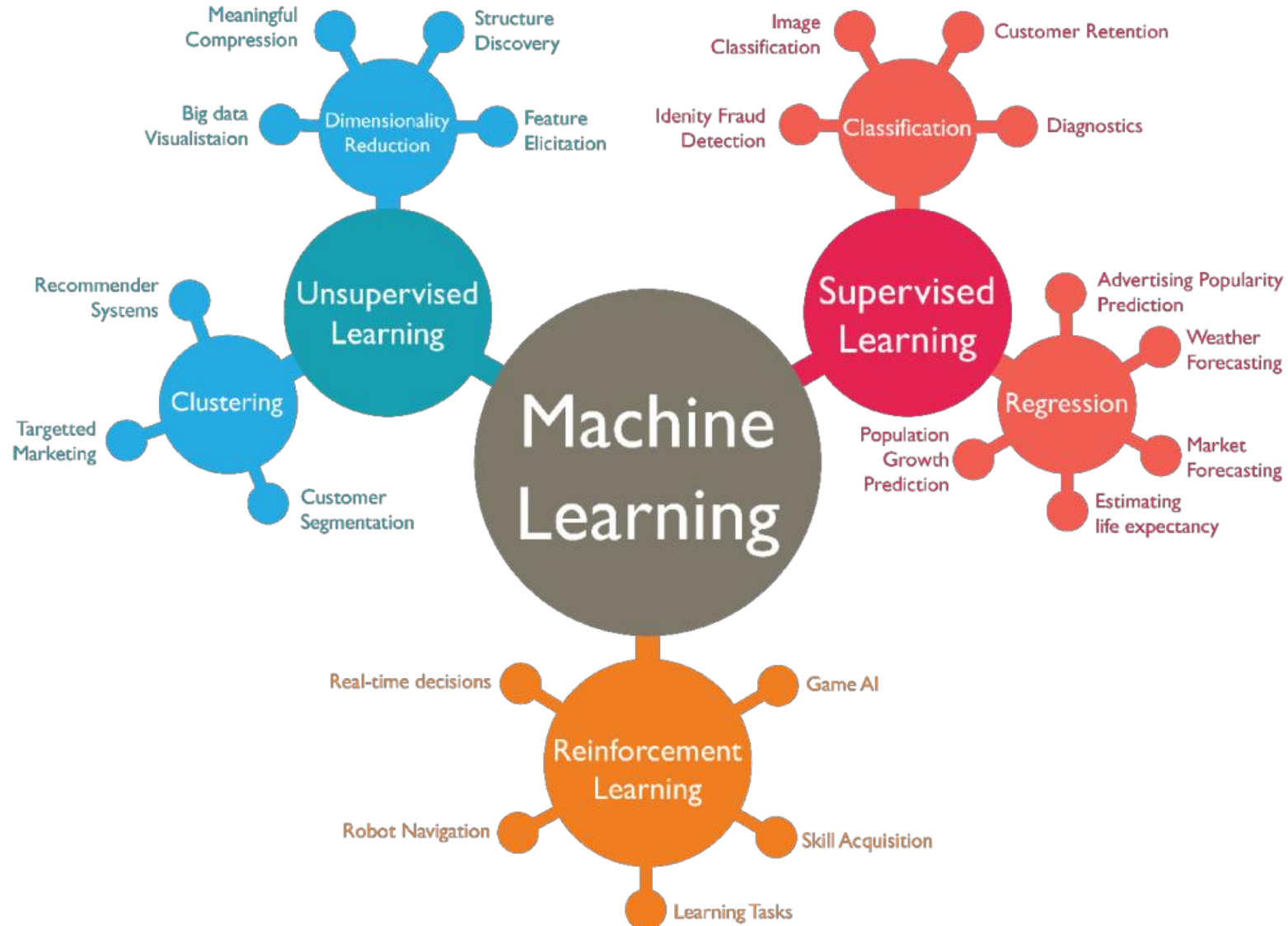


Source: <https://blog.miarec.com/contact-centers-ai-definition>

GUIDE TO BUILDING A MACHINE LEARNING MODEL



AI is a concept while, ML provides the tools and techniques that enable AI systems to learn and adapt.



Common Algorithms and Techniques



**LINEAR
REGRESSION**



**LOGISTIC
REGRESSION**



**NEURAL
NETWORKS**



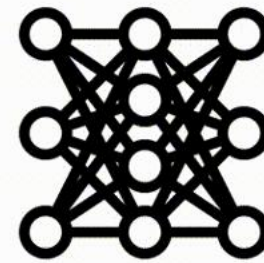
**SUPPORT VECTOR
MACHINES**



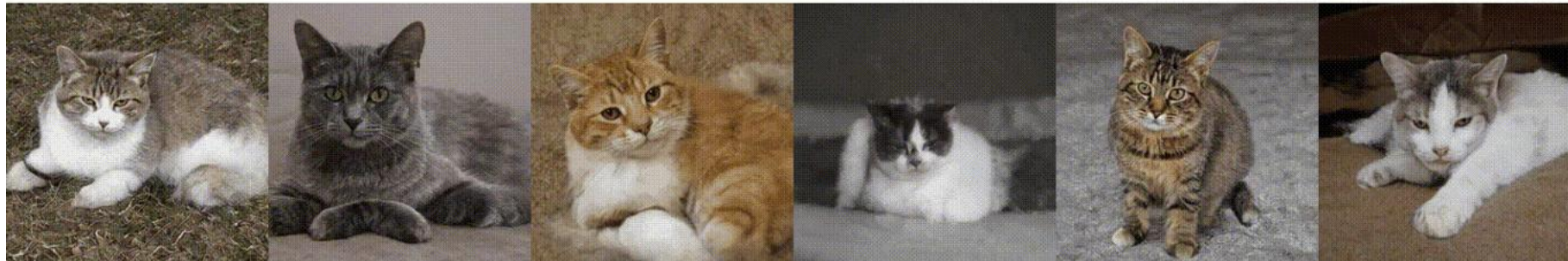
**K-MEANS
CLUSTERING**

Types of Deep Learning (DL)

- Convolutional Neural Networks (CNNs),
- Recurrent Neural Networks (RNNs),
- Generative Adversarial Networks (GANs)



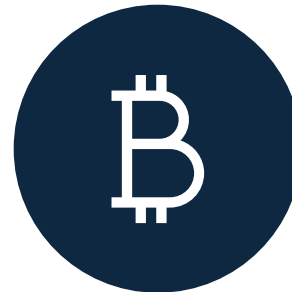
Pre-trained Cat Model



Real world applications



Healthcare:
Diagnostics,
personalized medicine



Finance: Fraud
detection, algorithmic
trading



Transportation:
Autonomous vehicles,
traffic management



Retail: Customer
recommendations,
inventory management

Cont...

Image Recognition

DL enables accurate classification and identification of objects in images and videos.



Natural Language Processing




DL powers language translation, sentiment analysis, and chatbots.



Recommendation Systems

DL algorithms provide personalized recommendations for products, movies, and music.

Customers also viewed these products

 <p>Redmi 9A (Nature Green, 2GB RAM, 32GB Storage) 2GHz Octa-core Helio G25 Processor 5000 mAh Battery ★★★★★ 65,651 ₹6,349.00 Get it by Monday, November 6 FREE Delivery by Amazon</p>	 <p>TheGiftKart Genuine Leather Finish Flip Back Cover Case for Mi Red... ★★★★★ 52 100+ bought in past month 72% off Great Indian Festival ₹279.00 M.R.P.: ₹999.00 Get it by Saturday, November 4 FREE Delivery over ₹499. Fulfilled by Amazon.</p>	 <p>realme narzo 60X 5G (Stellar Green, 4GB, 128GB Storage) Up to 2TB External Memory ... ★★★★★ 1,430 22% off Great Indian Festival ₹11,749.00 M.R.P.: ₹14,999.00 Get it by Thursday, November 2 FREE Delivery by Amazon</p>	 <p>WOW IMAGINE Shock Proof Clear Back Case Mobile Cover for Xiao... ★★★★★ 193 400+ bought in past month 81% off Great Indian Festival ₹189.00 M.R.P.: ₹999.00 Get it by Thursday, November 2 FREE Delivery over ₹499. Fulfilled by Amazon.</p>	 <p>Pikkme Redmi A1 Redmi A2 Flip Case Leather Finish Inside... ★★★★★ 361 600+ bought in past month 81% off Great Indian Festival ₹189.00 M.R.P.: ₹999.00 Get it by Friday, November 3 FREE Delivery over ₹499. Fulfilled by Amazon.</p>
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Current Trends



**EXPLAINABLE AI
(XAI)**



ETHICAL AI



**AI IN EDGE
COMPUTING**

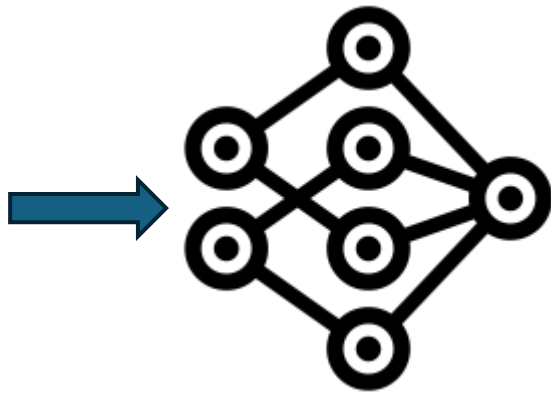


GENERATIVE AI

Explainable AI

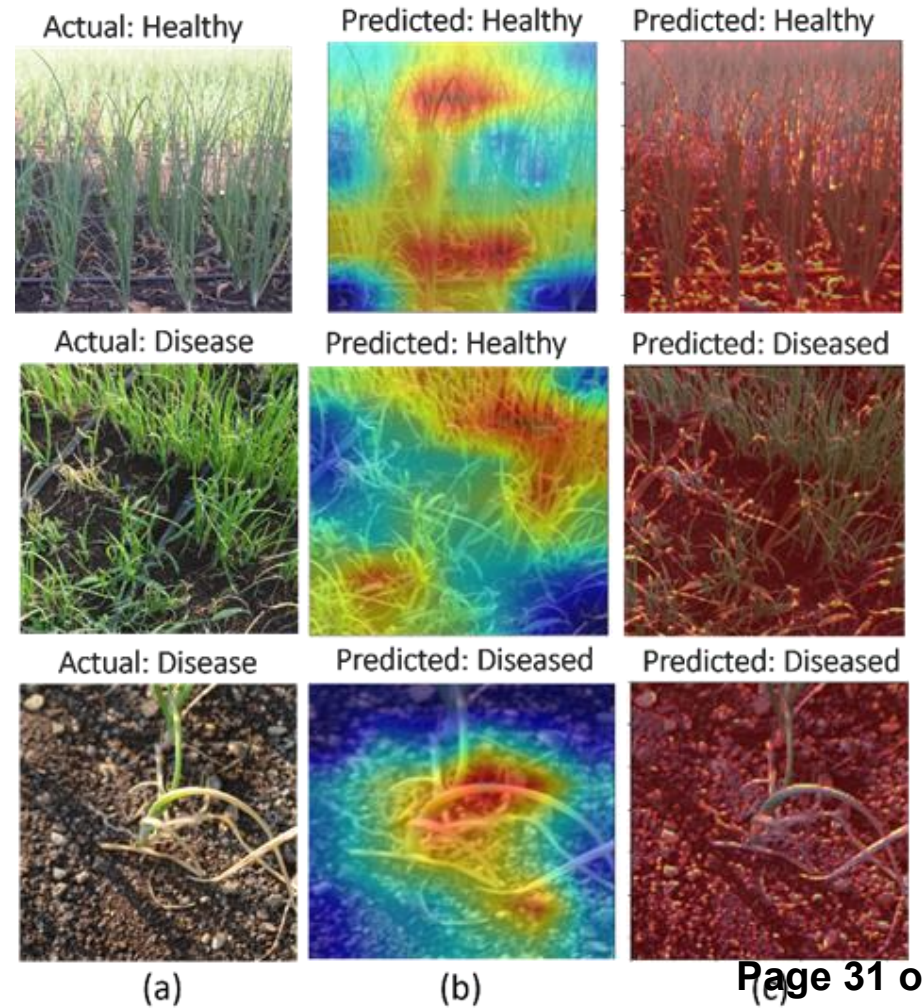


Test Image



Classification
Model

→ Diseased



AI in edge computing



Generative AI

Generative artificial intelligence (AI) refers to models or algorithms that create brand-new output, such as text, photos, videos, code, data, or 3D renderings, from the huge amount of data they are trained on. The models 'generate' new content by referring to the data they have been trained on, making new predictions.

- Sentiment Analysis
- Text Generation
- Image Captioning
- Text Summarization
- Code Generation

Challenges



Data Privacy and Security



Bias and Fairness



Scalability and Efficiency



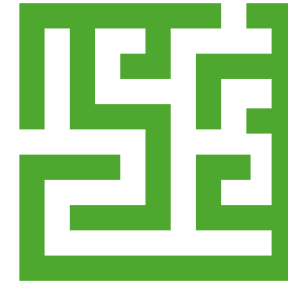
Future Trends and Research Areas

Conclusion



Impact of AI

- Kaggle
- Stack Overflow
- Tensorflow
- OpenAI
- DeepLearning.AI
- HuggingFace



Engage in research, AI communities
and work on projects

Thank you

"Artificial Intelligence is the new electricity. It has the potential to transform every industry, just as electricity did a century ago." — Andrew Ng

Internet of Things - Meaning, Characteristics, Applications



Susmita Banerjee

Senior Engineer – AI/ML

TIH Foundation for IoT and IoE, IIT Bombay

Scenario -



When the alarm of your smartphone rings in the morning, you wake up and tap it to stop the alarm, which causes your geyser to be switched on automatically.



The smart mirror in your bathroom shows the day's weather and also indicates the level of water in your overhead tank.



After you take some groceries from your refrigerator for making breakfast, it recognises the shortage of stock in it and places an order for the supply of fresh grocery items.



When you step out of your house and lock the door, all lights, fans, geysers and AC machines get switched off automatically.



On your way to the office, your car warns you about traffic congestion ahead and suggests an alternative route, and if you are late for a meeting, it sends a- message to your office accordingly.

Introduction to IoT

- Internet of Things (IoT) is the **network of smart physical objects**
 - physical objects (e.g. devices, vehicles, buildings, etc.) **embedded with** sensors/actuators, computation unit, memory unit, power source, and network connectivity,
 - which enables the physical object to **collect and exchange data**,
 - **analyze** the collected data to extract new insight and **respond** accordingly.
- Goal of IoT to “**connect the unconnected**”
 - “Things” or “objects” **that were not supposed to be connected** to the Internet

Cont...

- Unifications of technologies:
 - Embedded systems,
 - Low power and low rate network,
 - Internet,
 - Big data,
 - Data analytics,
 - Cloud computing.
 - Edge Intelligence.
 - Etc.
- Alternative Definition:

“The Internet of Things (IoT) is the network of physical objects that contain embedded technology to **communicate** and **sense** or **interact** with their internal states or the external environment.” – Gartner Research*

* <https://www.gartner.com/en/information-technology/glossary/internet-of-things>

Brief History of IoT

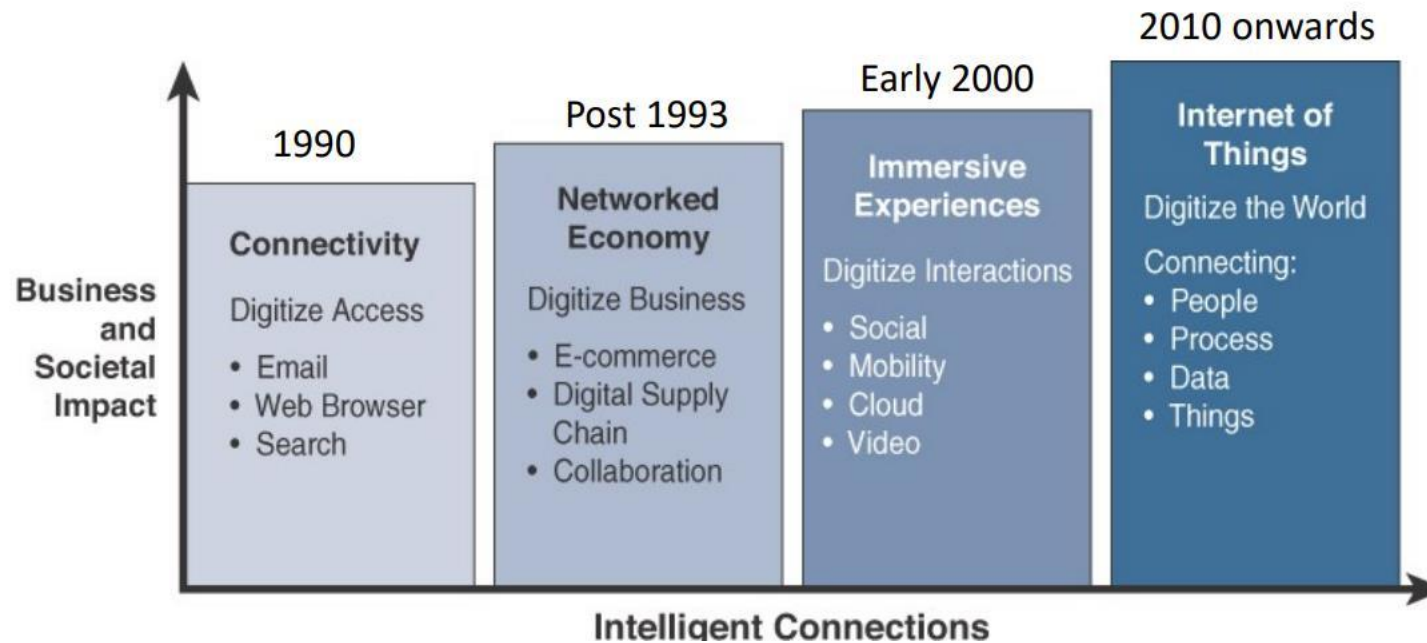
- The term "Internet of things" was likely coined by **Kevin Ashton** of Procter & Gamble, later MIT's Auto-ID Center, in 1999.
 - “In the 20th century, **computers were brains without senses** — they only knew what we told them.” Now in the 21st century, **computers are sensing things for themselves!** – Kevin Ashton
- Early 1980s at the Carnegie Mellon University, a group of students created a way to get their campus **Coca-Cola vending machine** to report on its contents through a network in order to save them the trek if the machine was out of Coke.
- In 1990, John Romkey, developer of the first TCP/IP stack for IBM PC in 1983, connected a _____ to the internet for the first time.
- In 1991, a group of students at the University of Cambridge used a web camera to report on coffee available in their computer labs **coffee pot**.
- At the beginning of the 21st Century, LG Electronics introduced the world's first **refrigerator** connected to the internet

Brief History of IoT

- The term "Internet of things" was likely coined by **Kevin Ashton** of Procter & Gamble, later MIT's Auto-ID Center, in 1999.
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- In 1990, John Romkey, developer of the first TCP/IP stack for IBM PC in 1983, connected a **toaster** to the internet for the first time.
- In 1991, a group of students at the University of Cambridge used a web camera to report on coffee available in their computer labs **coffee pot**.
- At the beginning of the 21st Century, LG Electronics introduced the world's first **refrigerator** connected to the internet

Cont...

- The popularity of the term IoT did not accelerate until 2010/2011 and reached mass market in 2013-14.
- Definition of the IoT has evolved over time.



Evolutionary Phases of the Internet

Benefits of IoT



Automation

- Machines can assemble parts with more precision and speed, resulting in fewer errors during assembly
- Robots can very rapidly detect faults that may not be detected by the human eye



Predictive Maintenance

- Continuous monitoring of systems and processes to identify key indicators of problems before they result in downtime or system failure



Process / Efficiency Improvement

- Process improvement affects every aspect of an operation's bottom line



Cost Reduction

- When an organization can improve system uptime, automate processes, reduce the risk of failure and gain insights that support better decision making, and reduce resource usage, the result is efficiency and cost savings



Improved/ New Insights

- IoT systems often act as the eyes and ears on remote, hard-to-reach, or widely distributed equipment and processes.



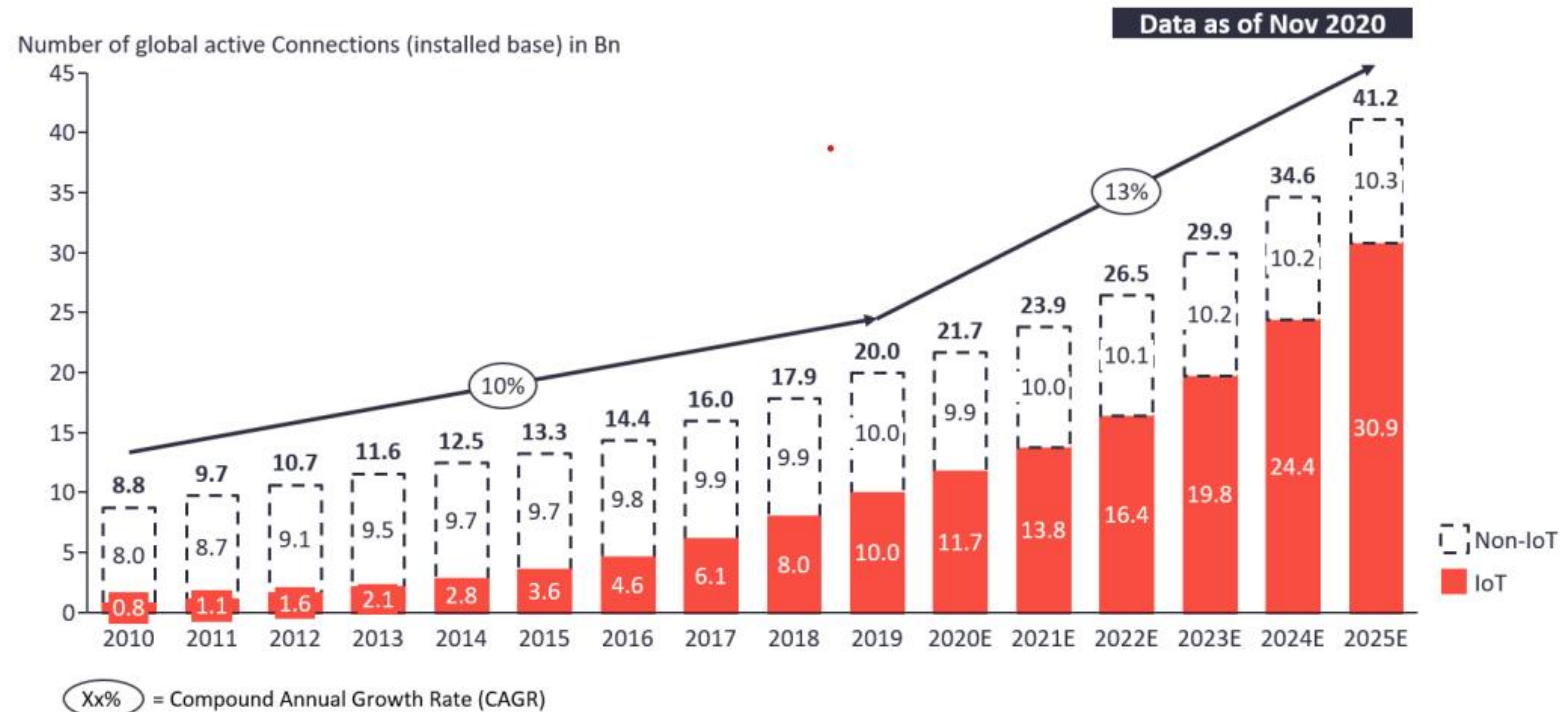
Adaptability

- The ability to adapt to new business requirements, customer needs, and changing conditions, or scale the deployment in response to business growth or customer requirements

Growth of IoT Devices

Total number of device connections (incl. Non-IoT)

20.0Bn in 2019– expected to grow 13% to 41.2Bn in 2025



Note: Non-IoT includes all mobile phones, tablets, PCs, laptops, and fixed line phones. IoT includes all consumer and B2B devices connected – see IoT break-down for further details

Source(s): IoT Analytics - Cellular IoT & LPWA Connectivity Market Tracker 2010-25

IoT Analytics' prediction

Where is IoT?



Wearable
Tech Devices



Smart Appliances



It's everywhere!



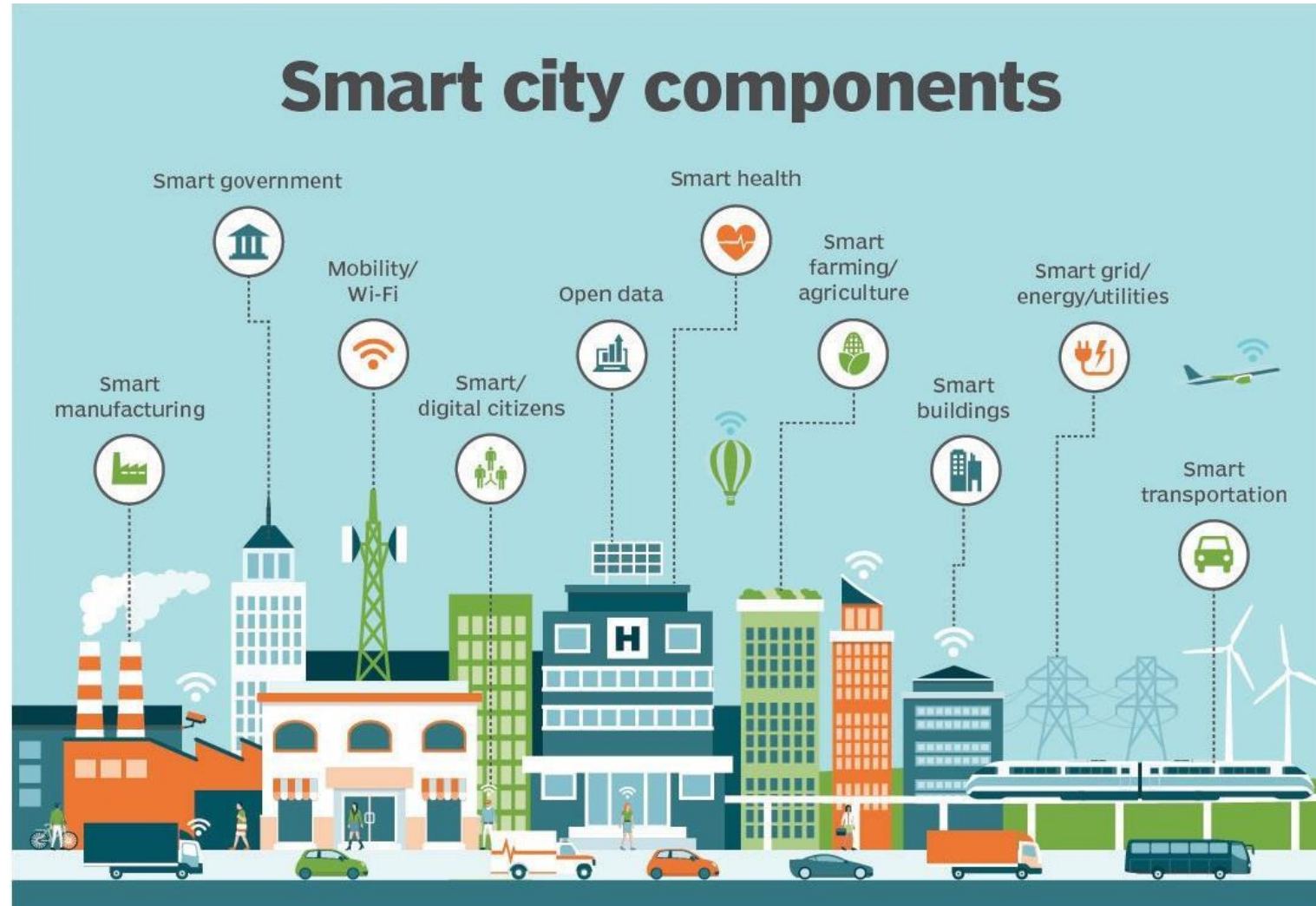
Healthcare



Industry Automation
and Monitoring

Smart City

How a smart city works?

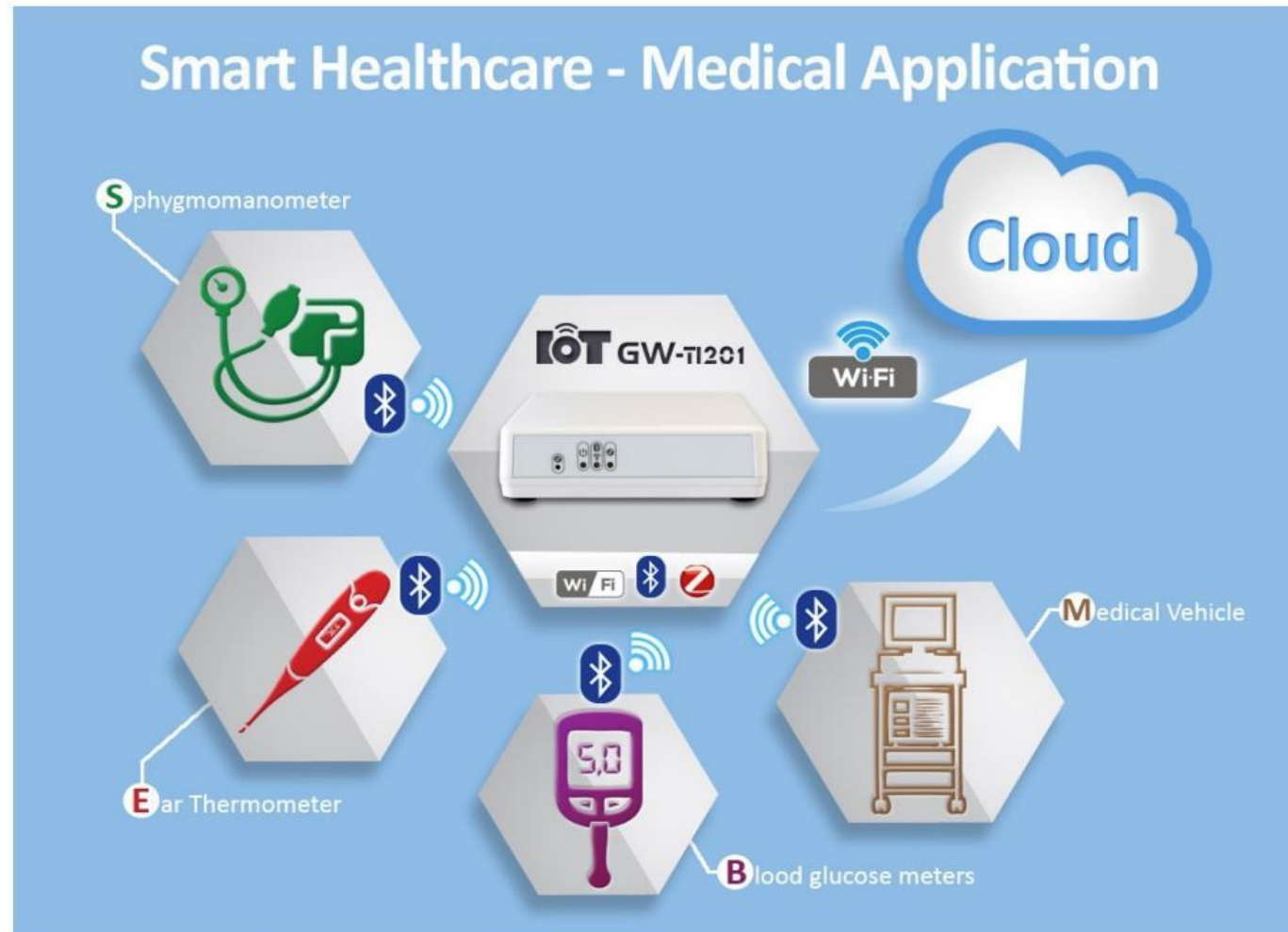


Smart Home

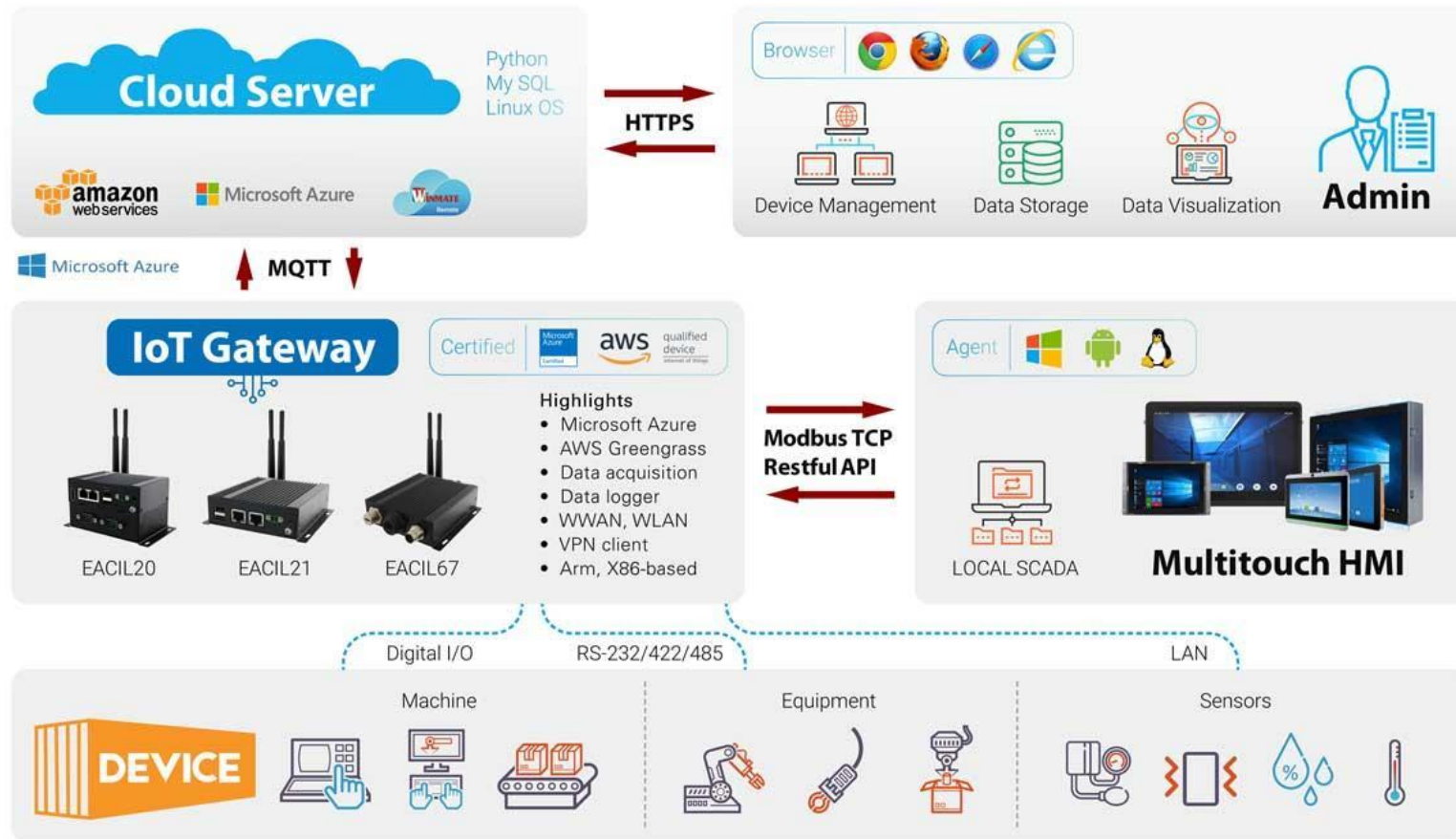
What does a Smart Homes do?



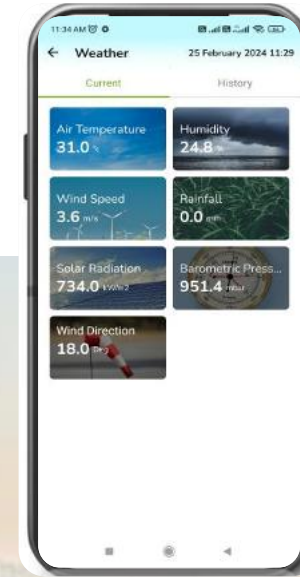
Smart Healthcare



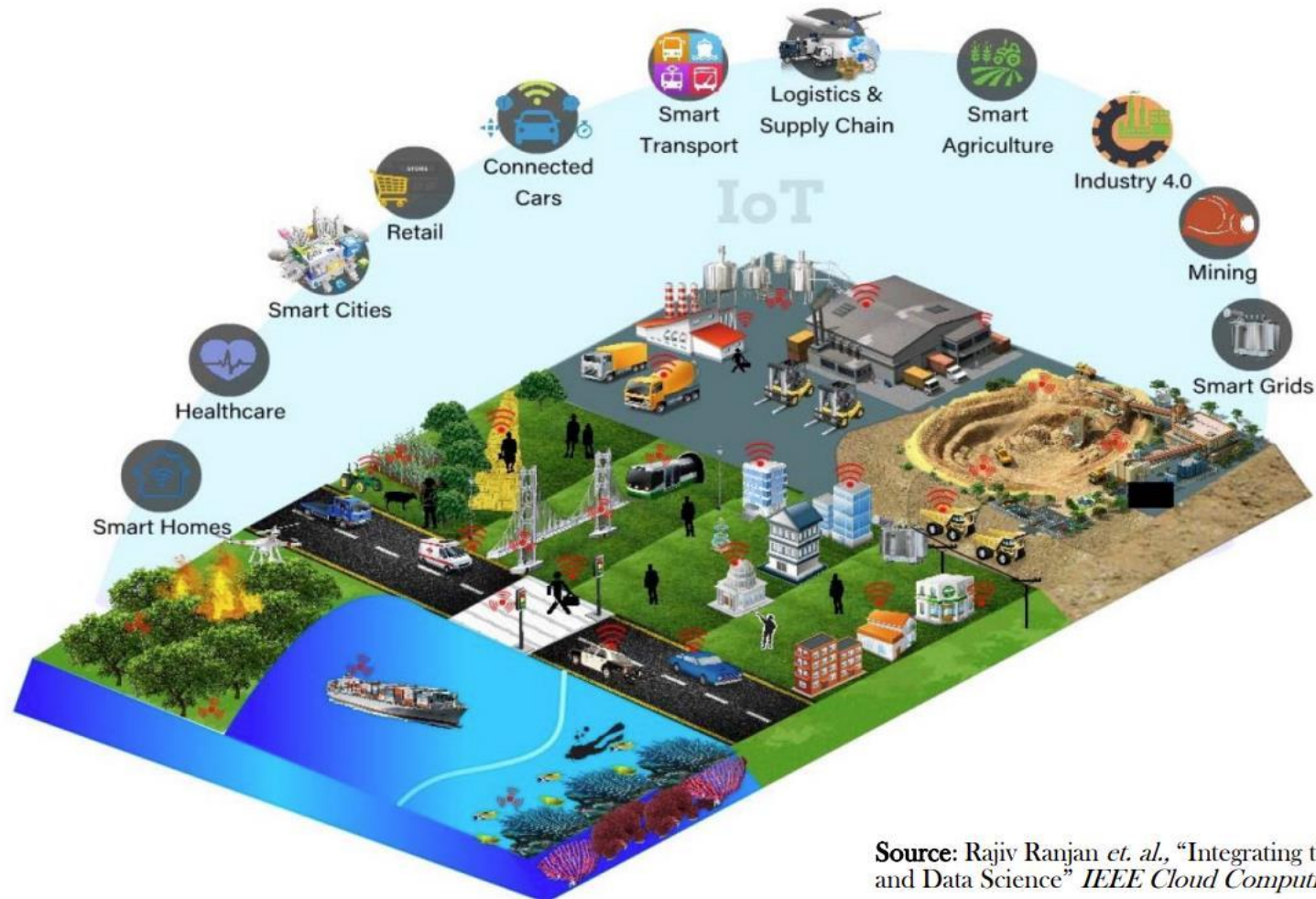
Industrial IoT



Smart Agriculture



Many more...



Source: Rajiv Ranjan *et al.*, "Integrating the IoT and Data Science" *IEEE Cloud Computing*, 2018

Main Challenges in IoT

Sensors

- Limited resources
- Limited types of sensors

Scale

- millions of devices are connected to form IoT

Privacy

- which personal data to share with whom
- how to control

Security

- “things” becomes connected, so security becomes complex

Low Power Network

- Devices should remain connected to the Internet for years
- High network latency

Big data and Data analytics

- massive amount of sensor data
- different sources and various forms
- extract intelligence form the heaps of data

Interoperability

- various protocol, various architecture
- unavailability of standardized platform
- different technology leads to interoperability issue
- Recent IoT standards are minimizing this problem

Thanks!



Reach me
Susmita.Banerjee@tijiitb.org



**FR. CONCEICAO RODRIGUES
COLLEGE OF ENGINEERING**



Warm Welcome to the Delegation from

ASU Arizona State University



**for On-campus Academic Interaction with Students & Staff on Monday,
20th January 2025 at 01:45 pm in Seminar Hall No. 108**



Prof. Arunachala M. Kannan

Professor, Polytechnic School at the Ira A. Fulton
School of Engineering, Arizona State University



Roshan Mathew

Recruitment Advisor,
Admission Services,
Arizona State University

A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity

On

Faculty, Staff & Students Interaction with Visiting Delegation from Arizona State University (ASU)

By

Department of Electronics & Computer Science (ECS) with Training & Placement Office (TPO)



Monday, 20th January 2025
Seminar Hall No. 108 (1st Floor)

A SPHERE Activity on Faculty & Student Interaction with representatives from Arizona State University (ASU) on Monday, 20th January 2025 from 01:30 pm to 03:30 pm IST in Seminar Hall No. 108 (1st Floor)

Arizona State University (ASU) Delegation Visit Report

1. Overview & Details

Name of SPHERE Activity	Interaction with the Faculty, Staff & Students by Visiting Delegation Team from the Arizona State University (ASU), Tempe, Arizona (USA)
Venue / Location	Seminar Hall No. 108, Administration Block, Ground Floor
Activity Co-ordinator	Jayen Modi, Assistant Professor, Department of Electronics & Computer Science & In-charge Public Relations, Fr. Conceicao Rodrigues College of Engineering
Day, Date & Timings	Monday, 20 th January 2025 from 01:30 pm to 03:30 pm IST
Key Resource Persons / Subject Expert Speakers	<ul style="list-style-type: none"> • Arunachala M. Kannan, Professor in Polytechnic School at Ira G. Fulton School of Engineering, Arizona State University (ASU) • Roshan Lalan Mathew, Recruitment Advisor of Admission Services, ASU
Aim & Objective of the SPHERE Activity about Delegation from the Arizona State University (ASU), USA	Arizona State University (ASU) is ranked among the top 100 in the world by the QS Rankings that provides a broad range of opportunities for the students to excel academically, engage in research & become leaders in their fields. Its focus on innovation, sustainability & inclusivity makes it a compelling choice for students seeking dynamic & supportive environment. Whether it is business, science, the arts, or social sciences, ASU offers a wide array of programs & resources. It is with this intention that the Department of Electronics & Computer Science (ECS) along with Training & Placement Office (TPO) invited the visiting delegation of ASU on the campus so that our students could get an introductory session imparting all the knowledge required for their higher education.
Contents of SPHERE Activity on Interaction with Faculty, Staff & Students by Visiting Delegation of the Arizona State University	<ul style="list-style-type: none"> • Introduction of the panel members / resource persons • Overview of Arizona State University (ASU) • Description of Different Schools / Departments / Research Centres • Introduction to Ira G. Fulton School of Engineering • Introduction to various graduate programmes • Entry & admission requirements, funding & financial aid • Question & answer (Q&A) session
Intended Audience	All interested students wishing to pursue higher education in the USA

A SPHERE Activity on Faculty & Student Interaction with representatives from Arizona State University (ASU) on Monday, 20th January 2025 from 01:30 pm to 03:30 pm IST in Seminar Hall No. 108 (1st Floor)

2. Activity Description

Studying at Arizona State University (ASU) offers several advantages that make it a popular choice for students.

1. Reputation & Rankings

- ASU is recognized as one of the top public universities in the United States, consistently ranking high in various academic fields, including engineering, business & sustainability.
- It is known for its innovative approach to education, often ranking among the best for innovation in U.S. News & World Report rankings.

2. Diverse Academic Programs

- ASU offers over 350 degree programs, including highly ranked programs in business, engineering, journalism, health & the arts. Students have access to wide variety of disciplines, which allows for flexibility in pursuing academic interests.
- The university also offers flexible learning options, including online & hybrid programs, which is ideal for non-traditional students or those seeking a more adaptable schedule.

3. Innovative & Cutting-Edge Research

- ASU is known for its focus on research & innovation. It has a strong emphasis on solving global challenges, with research in areas like sustainability, renewable energy & health sciences.
- Students have opportunities to participate in hands-on research, even at the undergraduate level, and gain valuable experience in cutting-edge fields.

4. Strong Industry Connections

- ASU has strong network with businesses, industries & government agencies, particularly in the fields such as technology, engineering & business.
- The university's proximity to tech hubs like Silicon Valley & Phoenix allows students access to internships & job opportunities with top companies.

5. Location in Tempe, Arizona

- Tempe is a vibrant city with a warm climate year-round, which is perfect for students who enjoy outdoor activities like hiking, biking & exploring the desert landscape.
- ASU's campus is located in the heart of the Phoenix metropolitan area, providing students with access to a dynamic urban environment, cultural attractions, professional opportunities & entertainment options.

6. Global and Diverse Student Body

- ASU prides itself on diversity & inclusivity, with a large international student population & a variety of cultural student organizations. This diversity enriches the learning environment & offers global perspectives in classes.
- The university promotes a culture of inclusivity, where students from various backgrounds are celebrated.

7. Sustainability Focus

- ASU is a leader in sustainability initiatives, ranking highly for its efforts to reduce its environmental impact & promote green practices. The university's campuses feature sustainable architecture & green initiatives.
- Students in sustainability programs benefit from real-world projects & internships that contribute to environmental change.

8. Campus Facilities & Student Life

- The campus is equipped with modern facilities, including state-of-the-art research labs, athletic facilities & vibrant student centers.
- ASU offers wide range of extracurricular activities, including clubs, sports, cultural events & leadership opportunities, allowing students to explore interests outside of academics.

A SPHERE Activity on Faculty & Student Interaction with representatives from Arizona State University (ASU) on Monday, 20th January 2025 from 01:30 pm to 03:30 pm IST in Seminar Hall No. 108 (1st Floor)

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)

9. Support for Entrepreneurs

- ASU fosters an entrepreneurial spirit, with programs like the J. Orin Edson Entrepreneurship + Innovation Institute, offering resources & support for students looking to start their own businesses.
- The university has strong track record for nurturing student entrepreneurs, with many successful startups & ventures emerging from the university's programs.

10. Financial Aid and Scholarships

- ASU offers a variety of financial aid options, including scholarships, grants & work-study programs to help make higher education more affordable.
- The university's commitment to providing access to education is evident through programs like the ASU Promise which helps students from low-income backgrounds attend & graduate from ASU.

11. Alumni Network

- ASU has vast & active alumni network that spans industries & regions. This network provides students with valuable connections for mentorship, internships & job placement after graduation.

12. Commitment to Social Impact

- ASU is dedicated to social impact & community engagement, providing students with opportunities to work on projects that directly benefit society.
- The university promotes the idea of "the New American University," focusing on serving the community & creating solutions for social issues.

In summary, Arizona State University offers a combination of academic excellence, research opportunities, industry connections & a diverse, inclusive community, making it a great choice for many students.

3. Impact / Outcome / Achievement

Ms. Vrushti Hitesh Shah from the 2024 batch of Electronics & Computer Science (ECS) was one of the participants of this activity session. Not only she was highly impressed with the presentation by the visiting ASU delegation but was also motivated to take up admission for her higher studies. She received an offer to study in the Data Science, Analytic & Engineering (Computing & Decision Analytics) – M.S. programme at the Ira G. Fulton School of Engineering offered at the Arizona State University (ASU) campus at Tempe, Arizona (USA).



Jayen Modi

Assistant Professor, Department of Electronics & Computer Science (ECS),
In-charge of Public Relations & Outreach (PRO),
Fr. Conceicao Rodrigues College of Engineering



[Arizona State University](#) is a public research university with four campuses across the Phoenix metropolitan area, one location in northwestern Arizona and four regional learning centers throughout Arizona. Ranked the No. 1 university for innovation in the U.S. for the last nine years, ASU is at the forefront of research and development, with the ASU Knowledge Enterprise supporting pioneering research initiatives.



A.M Kannan is a Professor in the Polytechnic School of the Ira A. Fulton Schools of Engineering at Arizona State University, USA, specializing in low temperature fuel cells, solar cells, and large-scale energy storage in batteries, and chairing the graduate program on Clean Energy Systems, since August 2005. He was Visiting Professor at Tampere University of Technology, Finland, Principal Scientist at the VTT Technical Research Center of Finland, and Distinguished Visiting Professor at Yuan Ze University, Taiwan and a “Distinguished Chair” awardee through Fulbright Fellowship at the Aalto University, Finland. He possesses strong academic and professional experience, having also worked as Chief Scientist at Hoku Scientific Inc., Hawaii. Kannan has published extensively and presents regularly at international conferences on batteries, fuel cells and solar H₂ production. He serves as an Associate Editor of the Int. Journal of Hydrogen Energy, and handles Manuscripts on H₂ economy and fuel cells. He earned his M.S. in Chemistry from Madurai Kamaraj University, India, in 1985, Ph.D. in 1990 at the Indian Institute of Science, India, and MBA in 1999 from Madras University.



Ms Roshan is the Enrollment Advisor for Graduate Programs at Arizona State University, where she's committed to ensuring top-notch Admission services by following set guidelines and quickly solving any queries from students looking to start their journey at ASU. She supports the university's aim and contributes to raising awareness of ASU by fostering meaningful connections and offering tailored support during the college search and enrollment process for a diverse group of students including First-Year, Transfer and International students at graduate levels. She supports or leads special events and workshops to further the goals of Admission Services and the university at large. Roshan has a history of working with students in various capacities and is passionate about making higher education accessible to help students succeed. After earning a Bachelor's degree in Marketing from MIT-WPU and Masters in Entrepreneurship from Hult International Business School, San Francisco, USA she returned to her first love: working in higher education, where she continues to make a difference in students' lives.

GUEST LECTURE TOPIC: Clean Energy Systems – Research, Development, and Demonstration

The presentation will start with introducing faculty profiles within the Clean Energy Systems program in ASU's Fulton Schools of Engineering. With a brief description of EV technologies, key research activities in ASU will be highlighted along with graduate courses in the related areas, namely Batteries, EV Powertrains etc. Local ecosystem conducive for bringing the carbon free transportation systems will also be touched upon.

February 29, 2024

ID number: 1233554818

Valid only for 2024 fall

Residency status: International

Vrushti Hiteshkumar Shah
4 21 C Vyom Chsl Ashok Chakrva
Zalawad Ngr Nr Damodarwadi Kan
Mumbai MH 400101
India

Dear Vrushti Hiteshkumar Shah,

Congratulations! I am pleased to inform you of your admission to Arizona State University to study in the Data Science, Analytics and Engineering (Computing and Decision Analytics) (MS) program in the Ira A. Fulton Schools of Engineering, offered at the ASU Tempe campus for the 2024 fall semester.

Important: Continued registration beyond your first semester is contingent on the receipt of the official transcript and (in most cases) a degree certificate from the institution(s) listed below. **Official transcripts must be issued by the registrar of the institution attended, bearing the seal of the institution and signature of the academic official.**

University of Mumbai

Documents must be submitted in the original language with an official, literal English translation and must show your final grades, the degree received and the date the degree was granted. Learn more about official transcript translation requirements at admission.asu.edu/international/graduate-apply.

For more information on required documentation, please view your Priority Tasks in My ASU at my.asu.edu.

Important: For detailed information regarding I-20 requirements, including necessary forms and deadlines, go to the International Admission Services website at admission.asu.edu/international/student-visa. To monitor the progress of your I-20, view the I-20 Tracker in My ASU at my.asu.edu.

Proof of MMR immunization is required. For MMR immunization requirements, please refer to your **Priority Tasks** on My ASU.

To maximize the many resources available to you, please familiarize yourself with My ASU, your personalized online student information and services resource. You can access this page at my.asu.edu by logging in with your new ASURITE User ID and password.

ASU and the Data Science, Analytics and Engineering (Computing and Decision Analytics) (MS) program are committed to assisting you in your exploration of the immense resources and opportunities available to you here. For additional information, you may contact your department at scai.grad.admission@asu.edu or at 480-965-3199.

ASU embraces integrity in all scholarships, research and creative endeavors. It is our expectation that you will review and abide by ASU's policies related to academic and research integrity at provost.asu.edu/academicintegrity and researchintegrity.asu.edu.

As a New American University, ASU believes your education should be transformative not only for you, but also for society. I encourage you to learn more about what this means to you by visiting newamericanuniversity.asu.edu. I also recommend you visit yourfuture.asu.edu/golden-conversations to learn how current students describe being part of the ASU community.

Graduate College

P.O. Box 8701004 Tempe AZ 85287-1004

p: 480-965-7788 f: 480-965-5159 web: www.graduate.asu.edu

We look forward to you joining the ASU community, and I wish you success in your graduate studies here.

Sincerely,

A handwritten signature in black ink, appearing to read "Elizabeth A. Wentz". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Elizabeth A. Wentz
Vice Provost and Dean, Graduate College

Arizona State University visit to Fr. Conceicao Rodrigues College of Engineering

6 messages

Roshan Lalan <rlalan@asu.edu>

17 December 2024 at 14:26

To: "jayen.modi@fragnel.edu.in" <jayen.modi@fragnel.edu.in>

Cc: "TPO - Fr. CRCE, Bandra" <tpo@fragnel.edu.in>, tpo <tpo@frcrce.ac.in>, "CRCE, bhoir" <bhoir@fragnel.edu.in>, bhoir <bhoir@frcrce.ac.in>

Hi Jayen,

Trust you are well.

Our faculty from **Arizona State University's Fulton Schools of Engineering** have shown interest to visit the campus in **January 2025**. We have our Engineering faculty **Prof. Arunachala Mada Kannan** who will be in **Mumbai on 20th January, Monday 2025**. The purpose of this visit would be two-fold:

1) to conduct a 45 minutes guest lecture for your students and faculty members and 2) to explore areas of collaboration between our faculties and institutions.

The following individuals will be present in the delegation:

Prof. Arunachala Mada Kannan : Arunachala Mada Kannan is a professor in the Polytechnic School, one of the Ira A. Fulton Schools of Engineering at Arizona State University. He has been involved in fuel cell and battery research and development for more than 30 years. His areas of expertise and research interests include fuel cells (PEMFC, DMFC and AFC), batteries (SLA and Li-ion) and solar cells (DSSC and CSP). Kannan joined ASU in 2005 as an Associate Professor. In particular, he wants to discuss about our MS in Clean Energy Systems at the Fulton Schools of Engineering during this visit. (Please see the attached file for his Bio and Topic for presentation)

Is it possible to meet with your engineering students in **Electrical, Mechanical, Sustainable, Chemical and other related areas**? Kindly let us know whether the **afternoon time frame between 2pm- 4 pm** on **Jan 20th Monday**, would work for your faculty members and students to visit the reputed institution.

Please do reply at the earliest so we can arrange the logistics accordingly. Thank You.

Best Wishes,

Ms. Roshan Lalan

Recruitment Advisor for Graduate Program- India

+919930250390

Arizona State University

www.asu.edu

 **Prof Kannan Bio and Topic.pdf**
147K

Cc: "TPO - Fr. CRCE, Bandra" <tpo@fragnel.edu.in>, tpo <tpo@frcrce.ac.in>, "CRCE, bhoir" <bhoir@fragnel.edu.in>, bhoir <bhoir@frcrce.ac.in>

Dear Ms. Roshan

Thank you for the updates. As you're aware with the festival season fast approaching, a majority of us are currently on leave & would be joining back in the first week of January 2025 only.

I'll be in touch with you & update you regularly. As always, thank you for the wonderful interaction with one of the world's top-most universities !

[Quoted text hidden]

Roshan Lalan <rlalan@asu.edu>

7 January 2025 at 13:22

To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

Cc: "TPO - Fr. CRCE, Bandra" <tpo@fragnel.edu.in>, tpo <tpo@frcrce.ac.in>, "CRCE, bhoir" <bhoir@fragnel.edu.in>, bhoir <bhoir@frcrce.ac.in>

Hi Jayen,

Happy New Year to you and the Team!

We would like to follow up on the campus visit proposal for **Jan 20th Monday**. Could you please let us know if the below proposal suits the students availability.

Best Wishes,

Ms. Roshan Lalan

Recruitment Advisor for Graduate Program- India

Arizona State University

www.asu.edu

[Quoted text hidden]

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

8 January 2025 at 15:18

To: Roshan Lalan <rlalan@asu.edu>

Cc: "TPO - Fr. CRCE, Bandra" <tpo@fragnel.edu.in>, tpo <tpo@frcrce.ac.in>, "CRCE, bhoir" <bhoir@fragnel.edu.in>, bhoir <bhoir@frcrce.ac.in>, Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>, flynn.dennis@frcrce.ac.in

Dear Roshan

Thank you for your email. We hereby confirm your request for representatives of Arizona State University on our campus on Monday 20th January 2025 from 2 pm to 4 pm.

Requesting you to kindly forward pictures/photos of all visiting delegates along with their profiles.

Thank you.

[Quoted text hidden]

Roshan Lalan <rlalan@asu.edu>

8 January 2025 at 16:18

To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

Cc: "TPO - Fr. CRCE, Bandra" <tpo@fragnel.edu.in>, tpo <tpo@frcrce.ac.in>, "CRCE, bhoir" <bhoir@fragnel.edu.in>, bhoir <bhoir@frcrce.ac.in>, Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>, "flynn.dennis@frcrce.ac.in" <flynn.dennis@frcrce.ac.in>

Hi Jayen,

Thank you so much for the willingness to host ASU. Please see the pics of the delegation visiting the campus.

[Quoted text hidden]

 **ASU DELEGATION- Jan 2025.pdf**
156K

Roshan Lalan <rlalan@asu.edu>

13 January 2025 at 13:21

To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

Cc: "TPO - Fr. CRCE, Bandra" <tpo@fragnel.edu.in>, tpo <tpo@frcrce.ac.in>, "CRCE, bhoir" <bhoir@fragnel.edu.in>, bhoir <bhoir@frcrce.ac.in>, Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>, "flynn.dennis@frcrce.ac.in" <flynn.dennis@frcrce.ac.in>

Hi Jayen,

We are excited to visit the campus with Prof. Kannan. Kindly see the agenda below for your reference.

1:45 pm- Arrive on campus

2:00- 2:45 pm: Guest lecture by Prof Kannan

2:45- 3:30 PM: Exchange of ideas for collaboration between faculty and institutions

4:00 PM: Depart from campus

Please feel free to add/edit the agenda as per your perusal. You can reach out on +9199302250390 for any communication.

Thank You.

Best Wishes,

Ms. Roshan Lalan

Recruitment Advisor for Graduate Program- India

Arizona State University

www.asu.edu

[Quoted text hidden]



An Autonomous Institution under the University of Mumbai | Awarded Grade 'A' by NAAC

Department of Electronics & Computer Science (ECS)

B.E. (ECS) - Semester VII for Academic Year (A.Y.) 2024 - 2025

S.P.H.E.R.E. ACTIVITY FOR GUIDANCE IN HIGHER EDUCATION ABROAD

Visiting Delegation from Arizona State University (ASU), USA

Monday, 20th January 2025 from 01:30 pm to 02:30 pm

Sr. No.	Roll No.	Name of Student	Present (P) / Absent (A)
1	9461	Acharya Saieeraj Dhiraj	
2	9462	Adithya Manoj	
3	9463	Ambekar Kush Rajeev	
4	9464	Ansari Muhammad Hashir Tayyab Husain	
5	9465	Antony Desmond	
6	9466	Arur Vrushank Mahesh	
7	9467	Chakalal Jerry Jacob	
8	9468	Chaturvedi Vineet Sanjay	
9	9469	Chitnis Harsh Pallavi	
10	9470	Deva Chelton Charleston	
11	9471	Dubey Gaurav Guruprasad	
12	9472	Fernandes Amrit Cleth	
13	9473	Fernandes Ronan Domnic Wilfred	
14	9474	Gavankar Aadi Vishal	
15	9475	Giri Punit Jagdish	
16	9476	Gupta Janhavi Jiladhis	
17	9477	Hegde Ishan Dinesh	
18	9478	Jain Sujal Arvind	
19	9479	Jakkani Pranav Suresh	
20	9480	Jerome James	
21	9481	Karandikar Ishan Shrinivas	
22	9482	Karekar Shantanu Tej	
23	9483	Khade Kartik Kiran	
24	9484	Khan Sharique Sharif	
25	9485	Kokane Nivedita Kishor	
26	9487	Marfatia Khevna Ritesh	
27	9488	Mathur Akshat Amit	
28	9490	Mohite Aryan Sandeep	

29	9492	Nishad Jaya Satyaprakash	
30	9493	Parmar Bhavik Sampat	
31	9494	Patankar Kaustubh Sanjay	
32	9495	Patil Sameer Kamlakar	
33	9496	Pereira Keefe Wilfred	
34	9497	Poonawala Fihan Riaz	
35	9498	Rajput Karan Ajay	
36	9499	Rao Ruchita Shridhar	
37	9500	Rodrigues Yohan Franco	
38	9501	S Lokesharan N Sunderraj	
39	9502	Saaqib Shaikh	
40	9503	Sahay Shreya Shailendra	
41	9504	Sahu Pravinkumar Dhirendra	
42	9505	Sequeira Steve Savio	
43	9506	Shanbhag Shubham Dayanand	
44	9507	Shetty Dhruv Uday	
45	9508	Shetty Shubh Santosh	
46	9509	Shinde Suraj Dattatraya	
47	9510	Shukla Ashwin Karmdev	
48	9511	Singh Ratan Tejnarayan	
49	9512	Soni Krishna Sharad	
50	9514	Thomas Roshan Bijoy	
51	9515	Tripathi Vaibhav Vijendra	
52	9516	Verma Aditya Govind	
53	9517	Wasnik Aarush Umesh	
54	9519	Zope Mugdha Dileep	
55	9657	Chavan Sumedh Rajesh	
56	9751	Chavan Vaishnavi Vijay	
57	9752	Gupta Aman Rampreet	
58	9753	Gurav Aditya Ashok	
59	9754	Malap Aaditya Narendra	
60	9755	Mistry Krishna Hemant	
61	9756	Patel Bhargavi Ajay	
62	9757	Patil Mayuresh Jitendra	
63	9758	Revankar Siddhesh Prashant	
64	9759	Siddiqui Abdulla Irfan	
65	9760	Worlikar Bleson Thomas	
66	9123	Dsouza Kevin Simon	
67	9122	Dsouza Aaron Stany	



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**AMBASSADE
DE FRANCE
EN INDE**

*Liberté
Égalité
Fraternité*

*Training & Placement Office in association with
the Embassy of the Republic of France in India
(Mumbai) organizes an interactive session on*

Higher Education & Career Opportunities in Republic of France



**Friday
4th October 2024**



**01:00 pm IST
(only for TE/BE)**



**Seminar Hall
No. 108**

A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity

On

Higher Education & Career Opportunities in France in Association with the Embassy of France in India & Campus France (Mumbai)

By

Vanisha Hemrajani

**Campus France Manager (Mumbai)
The French Institute in India (IF), Mumbai**




**Open to all Students interested for Higher Education
Friday, 4th October 2024**

A SPHERE Activity for Career Guidance, Mentoring & Counseling for Higher Education Abroad (France) on Friday, 4th October 2024 by External Resource Person Ms. Vanisha Hemrajani from Campus France



SPHERE Activity for Higher Education Guidance Abroad

1. Overview & Details

Name of SPHERE Activity	Higher education & career opportunities in the Republic of France organized by the Embassy of France in India (Mumbai) & Campus France, Mumbai	
Venue / Location	Seminar Hall No. 108, 1 st Floor, Fr. Conceicao Rodrigues College of Engineering	
Activity Co-ordinator	Jayen Modi, Assistant Professor, Department of Electronics & Computer Science & In-charge Public Relations, Fr. Conceicao Rodrigues College of Engineering	
Day, Date & Timings	Friday, 4 th October 2024 from 01:30 pm to 02:30 pm	
Key Resource Persons / Subject Expert Speakers	Ms. Vanisha Hemrajani Campus France Manager, Mumbai The French Institute in India (Mumbai)	
Aims & Objectives of the SPHERE Activity	<p><u>Aim of SPHERE Activity :-</u> The session aims to help students gain clarity on career & academic goals, empower them to make informed decisions about studying abroad & inspire them through success stories with expert insights. It also seeks to correct misconceptions about international education & support student personal, academic & professional growth.</p> <p><u>Objectives of SPHERE Activity :-</u> The objectives include introducing global study options, courses & universities; explaining application processes, deadlines & entry requirements; thereby providing guidance on financial planning & scholarships. The session also aims to connect students with mentors, counselors & alumni; align study choices with their long-term career aspirations; prepare students for cultural & social integration abroad; plus facilitate interactive Q&A and peer-to-peer networking.</p>	
Contents of SPHERE Activity on 'My Journey Towards Higher Education in the USA – Navigation, Lessons & Challenges	<ul style="list-style-type: none"> • To create awareness about higher studies opportunities in France • To explain documentation, application processes & timelines • Scholarships & financial aids for Indian students in France • Highlight key areas / domains for engineering & management studies 	
Intended Audience	All interested students wishing to pursue higher education in the Republic of France	
Programme Outcomes (PO)	<ul style="list-style-type: none"> • PO-6 :- Engineer & Society • PO-7 :- Environment & Sustainability • PO-9 :- Individual & Teamwork • PO-11 :- Project Management & Finance • PO-12 :- Life-long Learning 	

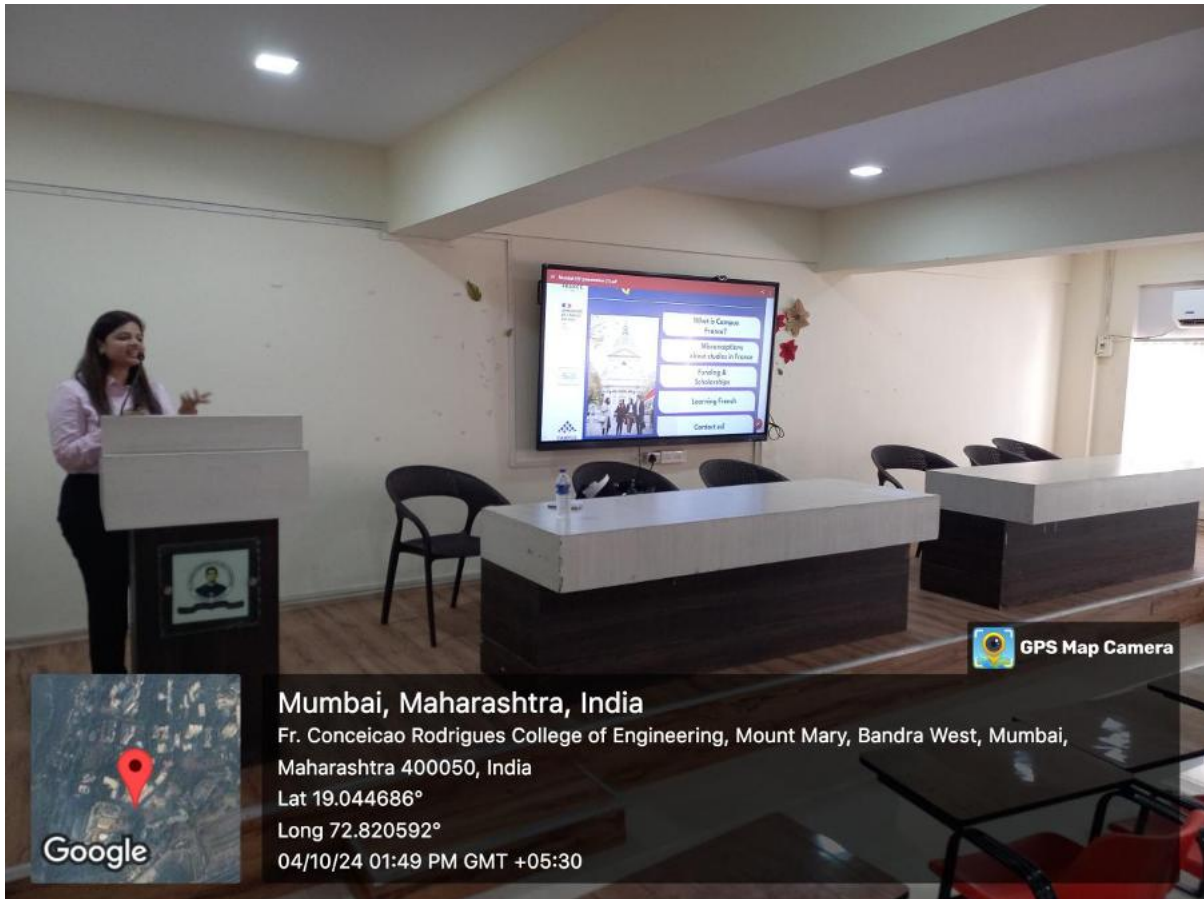
A SPHERE Activity for Career Guidance, Mentoring & Counseling for Higher Education Abroad (France) on Friday, 4th October 2024 by External Resource Person Ms. Vanisha Hemrajani from Campus France

2. Activity Pictures (Images)



A SPHERE Activity for Career Guidance, Mentoring & Counseling for Higher Education Abroad (France) on Friday, 4th October 2024 by External Resource Person Ms. Vanisha Hemrajani from Campus France

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)



A SPHERE Activity for Career Guidance, Mentoring & Counseling for Higher Education Abroad (France) on Friday, 4th October 2024 by External Resource Person Ms. Vanisha Hemrajani from Campus France

3. Description of Activity

1. Introduction

An informative & educative session titled 'Higher Studies & Career Opportunities in France' was conducted by Campus France, the official French government agency responsible for promoting higher education in France. The session was specifically designed for all final-year engineering students of Fr. Conceicao Rodrigues College of Engineering, Mumbai, with the aim of introducing academic, cultural & career opportunities in France.

2. Objectives of the Session

- To create awareness about higher education opportunities in France.
- To explain the application process, documentation & timelines for French universities.
- To highlight key engineering programs, institutions & scholarships available to Indian students.
- To discuss visa procedures, living conditions & post-study work opportunities.
- To provide a platform for direct interaction with Campus France advisors.

3. Session Overview

The seminar commenced with a warm welcome by the undersigned, followed by a detailed presentation (PPT) from official representatives of Campus France – Mumbai. The speakers covered a broad range of topics, including:

Overview of the French Higher Education System

Types of institutions (Grandes Écoles, public universities & private institutes), degree structures (Licence, Master, Doctorate) & language of instruction (English and French).

Popular Engineering Fields in France

Mechanical, Aerospace, AI, Robotics, Renewable Energy, Data Science etc.

Admission Process

Step-by-step guidance on preparing of the applications, writing Statements of Purpose (SOPs), submitting academic transcripts & taking required language proficiency tests (e.g., IELTS, TCF, TEF).

Scholarships & Financial Aid

Information on scholarships such as Charpak, Eiffel Excellence & Erasmus+, along with fee structures & affordable living options along with accommodation.

Visa Guidance

Walkthrough of the student visa process, timelines & Campus France's support for pre-departure formalities.

Student Life & Culture in France

Insights into French lifestyle, student accommodation, food, healthcare & multicultural student communities.

Post-Study Opportunities

Employment regulations, work visa extensions & job market prospects for international engineering graduates in France.

4. Interactive Session

The presentation was followed by a highly engaging Q&A session, during which students inquired about:

- Differences between French & Indian education systems.
- Placement opportunities for international students.
- Availability of programs entirely taught in English.
- Internships, co-op programs & industry-academic partnerships.

Campus France advisors addressed all queries in detail & encouraged students to register with the Études en France portal for streamlined support in their application journey.

5. Outcome & Feedback

The session was met with great enthusiasm & active participation from the student community. Attendees expressed appreciation for the depth & clarity of information shared. Many students showed interest in pursuing master's programs in France and sought one-on-one follow-up appointments with Campus France representatives.

6. Conclusion

The Study in France seminar successfully achieved its objective of informing, inspiring & guiding engineering students in Mumbai towards international education in France. The collaboration between Campus France & Fr. Conceicao Rodrigues College of Engineering exemplified a productive initiative to bridge global academic opportunities with Indian talent.



Jayen Modi

Assistant Professor, Department of Electronics & Computer Science,
In-charge of Public Relations & Outreach (PRO),
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

* * * * *



Vanisha Hemrajani · 2nd

Campus France Manager,

IF
The French Institute in India

Mithibai College of Arts Chauhan Institute of Science and A.J. College of Commerce and Economics

Mumbai, Maharashtra, India · [Contact info](#)

500+ connections

Deepa Chitre is a mutual connection

[Pending](#) [Message](#) [More](#)

About

I have more than 8 years of written and speaking expertise as a French language specialist and enthusiast. I am passionate about developing international relations between India and France. My other areas of expertise include systematic analysis, understanding of customer business requirements across different industry verticals and identifying solutions for customer pain points in the procurement domain. Currently I am appointed as the Campus France Manager in Mumbai. I am involved in promoting French higher education in the west zone in India and encouraging international mobility of Indian students towards France. I am a versatile professional who possesses strong articulation, problem-solving skills, good business acumen and a strong inclination towards developing international relations.

Activity

1,703 followers

[Posts](#) [Comments](#) [Images](#)

Vanisha Hemrajani reposted this

Consulate General of France in M...
6,511 followers
2w ·

Students from [Chatrabhuj Narsee School](#) explored Higher Education opportunities in France, and the 'Classes internationales' programme. Aspirants can

48 · 2 comments · 4 reposts

Vanisha Hemrajani reposted this

The French In
19,241 followers
3w ·

Study in France with e

Join our Classes Internatic

24 · 8 reposts



Show all posts →

Experience



Campus France Manager

The French Institute in India
Jul 2023 - Present · 1 yr 11 mos

- Presentations at higher educational institutions in India for promoting student mobility to France
- Participation in education fairs to represent Campus France
- Conduct academic interviews for students as a part of Études en France procedure.
- Organise educational fairs such as Choose France Tour in Mumbai.
- Organisation and moderation of events such as pre-departure sessions, webinars, alumni meet etc
- Maintain privileged relations with Higher education ecosystem in Mumbai, India and promotion of relationships with education institutions in France.



Zycus

Full-time · 2 yrs 3 mos
Mumbai, Maharashtra, India

Executive Solutions Consultant

Jul 2022 - Jul 2023 · 1 yr 1 mo

- * Understanding of Business Problem, identify process gaps and build business case for the pursuit
- * Evaluating customer's requirements for better value propositioning.
- * Engage with all key internal stakeholders and showcase to customers how they can derive business value from the product offerings by mapping customer key requirements to product functionalities
- * Plan implementation approach decks and pitches, developing roadmaps and strategies for clients

📌 Speaking French, French and +3 skills

French Language Specialist for Global Business Development

May 2021 - Jul 2022 · 1 yr 3 mos

- *Run sales deal pursuits with the pursuit lead to establish WIN themes
- *Responsible for for end-to-end Proposal building i.e., Responding to Client Request for Information (RFIs) & Request for Proposals (RFPs)
- *Developing quotes and proposals for prospective clients
- *Focus on proposing the right products to address customer pain points
- *Developing customised proposals in French and end-to-end documentation in French for customers from French speaking countries

📌 Speaking French and French



French Teacher

NSS Hillspring International School
Jul 2017 - Jul 2019 · 2 yrs 1 mo

Collaborated on and implemented innovative pedagogical initiatives that focused on hands-on and experiential learning to foster French instruction. Explored and implemented innovative use of technology in language education.

Facilitated learning of French language using variety of instructional methods, resources and technological tools.

Collaborated with other departments to plan and coordinate activities and

events.
Used Learning Management Systems to input, monitor and record data

📌 Speaking French



Visa Department - Vacataire
Consulate General of France in Mumbai
May 2017 - Jul 2017 · 3 mos

Updated and resolved incidents and managed visa documentation objectively.
Reduced operational risks while organizing data
Interacted well with diplomats at French Embassy in India to build connections and nurture relationships.
Reduced inconsistencies while assessing and verifying data and creating reports.

📌 Speaking French and French



English Language Assistant
Académie d'Amiens
Oct 2016 - Apr 2017 · 7 mos

Engaged in departmental committees to develop and review educational methodology.
Created and administered interactive activities.
Incorporated plans to promote engagement of all stakeholders at three educational institutions in France
Collaborated with colleagues to design and maintain curriculum.

Education



Mithibai College of Arts Chauhan Institute of Science and A.J. College of Commerce and Economics
Bachelor of Management Studies (B.M.S), Finance, General
2013 - 2016

Grade: 7/7

Received endowment prize for securing highest marks in second and third year of bachelor's degree



Alliance Française de Bombay
Level C1

Licenses & certifications



General Spanish Certificate B1.1
Hispanic Horizons
Issued Dec 2024
Credential ID a5794b26db0e4b29a366c53e2f82671b

Show credential



Spanish Course Level B1.1
91%



General Spanish Certificate
Hispanic Horizons
Issued Jun 2024 · Expires Jan 2034
Credential ID 9d4bec0c9bd2491e9d2a69dffec33fec

Show credential



Spanish language- A2 certification

Show all 10 licenses & certifications →

Skills



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Department of Electronics & Computer Science (ECS)

B.E. (ECS) - Semester VII for Academic Year (A.Y.) 2024 - 2025

S.P.H.E.R.E. ACTIVITY FOR GUIDANCE IN HIGHER EDUCATION ABROAD

Higher Education & Career Opportunities in France by Vanisha Hemrajani

Friday, 4th October 2024 from 01:30 pm to 02:30 pm

Sr. No.	Roll No.	Name of Student	Present (P) / Absent (A)
1	9461	Acharya Saieeraj Dhiraj	
2	9462	Adithya Manoj	
3	9463	Ambekar Kush Rajeev	
4	9464	Ansari Muhammad Hashir Tayyab Husain	
5	9465	Antony Desmond	
6	9466	Arur Vrushank Mahesh	
7	9467	Chakalal Jerry Jacob	
8	9468	Chaturvedi Vineet Sanjay	
9	9469	Chitnis Harsh Pallavi	
10	9470	Deva Chelton Charleston	
11	9471	Dubey Gaurav Guruprasad	
12	9472	Fernandes Amrit Cleth	
13	9473	Fernandes Ronan Domnic Wilfred	
14	9474	Gavankar Aadi Vishal	
15	9475	Giri Punit Jagdish	
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17	9477	Hegde Ishan Dinesh	
18	9478	Jain Sujal Arvind	
19	9479	Jakkani Pranav Suresh	
20	9480	Jerome James	
21	9481	Karandikar Ishan Shrinivas	
22	9482	Karekar Shantanu Tej	
23	9483	Khade Kartik Kiran	
24	9484	Khan Sharique Sharif	
25	9485	Kokane Nivedita Kishor	
26	9487	Marfatia Khevna Ritesh	
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29	9492	Nishad Jaya Satyaprakash	
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31	9494	Patankar Kaustubh Sanjay	
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33	9496	Pereira Keefe Wilfred	
34	9497	Poonawala Fihan Riaz	
35	9498	Rajput Karan Ajay	
36	9499	Rao Ruchita Shridhar	
37	9500	Rodrigues Yohan Franco	
38	9501	S Lokesharan N Sunderraj	
39	9502	Saaqib Shaikh	
40	9503	Sahay Shreya Shailendra	
41	9504	Sahu Pravinkumar Dhirendra	
42	9505	Sequeira Steve Savio	
43	9506	Shanbhag Shubham Dayanand	
44	9507	Shetty Dhruv Uday	
45	9508	Shetty Shubh Santosh	
46	9509	Shinde Suraj Dattatraya	
47	9510	Shukla Ashwin Karmdev	
48	9511	Singh Ratan Tejnarayan	
49	9512	Soni Krishna Sharad	
50	9514	Thomas Roshan Bijoy	
51	9515	Tripathi Vaibhav Vijendra	
52	9516	Verma Aditya Govind	
53	9517	Wasnik Aarush Umesh	
54	9519	Zope Mugdha Dileep	
55	9657	Chavan Sumedh Rajesh	
56	9751	Chavan Vaishnavi Vijay	
57	9752	Gupta Aman Rampreet	
58	9753	Gurav Aditya Ashok	
59	9754	Malap Aaditya Narendra	
60	9755	Mistry Krishna Hemant	
61	9756	Patel Bhargavi Ajay	
62	9757	Patil Mayuresh Jitendra	
63	9758	Revankar Siddhesh Prashant	
64	9759	Siddiqui Abdulla Irfan	
65	9760	Worlikar Bleson Thomas	
66	9123	Dsouza Kevin Simon	
67	9122	Dsouza Aaron Stany	



Embassy of France in India, Higher education opportunities for students of Fr. Conceicao Rodrigues College of Engineering

12 messages

Charmi Dattani <infochoosefrancemumbai@india-campusfrance.org>

7 August 2024 at 12:32

To: jayen.modi@fragnel.edu.in

Cc: tpo@fragnel.edu.in, bhoir@frcrce.ac.in, Vanisha HEMRAJANI <mumbai@india-campusfrance.org>

Dear Sir,

Greetings from **Campus France, The Embassy of France in India!**I am reaching out on behalf of [Ms.Vanisha Hemrajani](#), Campus France Manager, Mumbai.

Campus France is the education, science and cultural cooperation service of the Embassy of France in India. Our mission is to facilitate academic and scientific exchanges between Indian and French higher education institutions, promote student mobility and foster academic partnerships between higher education institutions in France and India.

France stands as a prominent global destination for students, offering highly ranked institutions and affordable programs. Notably, **there are more than 1700 programs conducted entirely in English**, alongside numerous scholarship opportunities for students, making France an accessible choice for international students.

We are pleased to announce the upcoming edition of **Choose France Tour 2024** organized by the Embassy of France in India and Campus France in Mumbai on **19th of October** this year whereby dozens of French schools and institutions including engineering, management, economics, public universities as well as specialized schools in hospitality and arts will gather to meet interested students in Mumbai. We will also be briefing the students about the opportunities that they can look forward to if they visit the Choose France tour this year during the presentation.

To further inform your students about this diverse educational opportunities, we would like to propose the idea of conducting a presentation across all your departments at the end of August or in September this year.

We look forward to your positive response and the possible opportunity to collaborate and inform your students with valuable insights about studying in France.

Best Regards,
Charmi Dattani
Campus France - Mumbai
Contact on +918448293872

Monday, Tuesday, Thursday, Friday
Alliance Française de Bombay

GR02/GR03 Ground Floor

Churchgate Chambers Premises CHS LTD

[5, New Marine Lines](#), Churchgate,
Mumbai- 40002

Wednesday
Alliance Française de Bombay
Hi Life Mall, Phirozshah Mehta Rd, Santacruz West, Mumbai

**Charmi Dattani** <infochoosefrancemumbai@india-campusfrance.org>

12 August 2024 at 18:03

To: jayen.modi@fragnel.edu.in

Cc: tpo@fragnel.edu.in, bhoir@frcrce.ac.in, Vanisha HEMRAJANI <mumbai@india-campusfrance.org>

Dear Sir/Madam,

Hope this mail finds you well!

I am writing to follow up on my previous email regarding the possibility of organizing a presentation on higher education opportunities in France, post study visa, scholarships etc. at your institution in the month of August, September or beginning of October this year depending on the availability of your students.

We would really appreciate your response at your earliest convenience. If you need any additional information or have any questions, please do let us know.

Thank you. Wishing you a great day ahead!

Best Regards,
Charmi Dattani
Campus France - Mumbai
Contact on +918448293872

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[5, New Marine Lines](#), Churchgate,
Mumbai- 40002

Wednesday
Alliance Française de Bombay
Hi Life Mall, Phirozshah Mehta Rd, Santacruz West, Mumbai



[Quoted text hidden]

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>
 To: Charmi Dattani <infochoosefrancemumbai@india-campusfrance.org>
 Cc: tpo@fragnel.edu.in, bhoir@frce.ac.in, Vanisha HEMRAJANI <mumbai@india-campusfrance.org>

13 August 2024 at 06:37

Dear Charmi

Thank you for reaching out & apologies for the delay.

Surely, we would love to host Campus France for an interactive session with our students.

Can we connect over a call today ?

Thanks & regards.

Jayen Modi
 [Quoted text hidden]

Charmi Dattani <infochoosefrancemumbai@india-campusfrance.org>
 To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>
 Cc: tpo@fragnel.edu.in, bhoir@frce.ac.in, Vanisha HEMRAJANI <mumbai@india-campusfrance.org>

13 August 2024 at 10:13

Dear Jayen,

Greetings from Campus France Mumbai Deak!

We appreciate your interest in collaborating with Campus France. We would be glad to connect over a call today to discuss this further.

Could you please provide us with your contact information and preferred time, so that we can connect over a call today?

Looking forward to hearing from you soon. Thank you.

Best Regards,
Charmi Dattani
Campus France - Mumbai
Contact on +918448293872

Monday, Tuesday, Thursday, Friday
 Alliance Française de Bombay
 GR02/GR03 Ground Floor
 Churchgate Chambers Premises CHS LTD

5, New Marine Lines, Churchgate,
 Mumbai- 40002

Wednesday
 Alliance Française de Bombay
 Hi Life Mall, Phirozshah Mehta Rd, Santacruz West, Mumbai



[Quoted text hidden]

Charmi Dattani <infochoosefrancemumbai@india-campusfrance.org>
 To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>
 Cc: tpo@fragnel.edu.in, bhoir@frce.ac.in, Vanisha HEMRAJANI <mumbai@india-campusfrance.org>

22 August 2024 at 16:22

Dear Sir,

Hope you are doing well.

It was a pleasure talking to you over the phone. As discussed on the call, please find below the presentation details.

During the half hour presentation, Ms Vanisha will discuss the following points:

1. What Campus France is and What we do?
2. Higher education opportunities in France.
3. Scholarships for Indian Students
4. Type of courses available for everyone.
5. Different benefits for studying in France
6. Discussion in regards to MOU, collaboration for exchange programs.

Additionally, we will also inform your students about the upcoming [Choose France Tour 2024](#), which is taking place on 19th October 2024, where students will get an opportunity to meet more than 50 French institutions and have one-on-one interaction with them. Please find attached the flyer for the same.

We hope you find this information helpful. Please let us know the preferred date and time for the presentation.

Looking forward to hearing from you soon. Thank you.

Best Regards,
Charmi Dattani
Campus France - Mumbai
Contact on +918448293872

Monday, Tuesday, Thursday, Friday

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5, New Marine Lines, Churchgate,
Mumbai- 40002**Wednesday**

Alliance Française de Bombay

Hi Life Mall, Phirozshah Mehta Rd, Santacruz West, Mumbai



[Quoted text hidden]

**Choose France Tour Mumbai Flyer.jpg**
2849K**Jayen Modi Fr. CRCE** <jayen.modi@fragnel.edu.in>

1 September 2024 at 22:10

To: Charmi Dattani <infochoosefrancemumbai@india-campusfrance.org>

Cc: tpo@fragnel.edu.in, bhoir@frcrce.ac.in, Vanisha HEMRAJANI <mumbai@india-campusfrance.org>

Dear Charmi

Thank you for the details.

We will have a session on our college campus after Ananth Chaturdashi. Our student coordinators will get in touch with you about the exact dates & timings.

Will keep you posted.

Thanks & regards.

[Quoted text hidden]

Charmi Dattani <infochoosefrancemumbai@india-campusfrance.org>

2 September 2

To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

Cc: tpo@fragnel.edu.in, bhoir@frcrce.ac.in, Vanisha HEMRAJANI <mumbai@india-campusfrance.org>

Dear Sir,

Thank you for your response.

We look forward to arranging a session for your students after Ananth Chaturdashi. We will await further details from your student coordinators about the dates and timings.

Please let us know if any further information is required from our end. Thank you.

Have a great day ahead!

CHOOSE FRANCE TOUR 2024

WednesdayAlliance Française de Bombay
Hi Life Mall, Phirozshah Mehta Rd, Santacruz West, Mumbai

[Quoted text hidden]

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

22 September 2024 at 12:29

To: Charmi Dattani <infochoosefrancemumbai@india-campusfrance.org>

Cc: tpo@fragnel.edu.in, bhoir@frce.ac.in, Vanisha HEMRAJANI <mumbai@india-campusfrance.org>, Vrushank Arur <arur.vrushank9@gmail.com>, Lisa Pereira <lisapereira3172003@gmail.com>

Dear Ms. Charmi Dattani

Greetings on behalf of the Training & Placement Office (TPO) at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai !

We warmly welcome you & your team from Campus France at our institute premises on **Friday October 4, 2024 from 1:30 pm to 2:30 pm IST** for an interactive session with prospective students wishing to study abroad.

As a build-up to the above session, kindly forward customized flyers of the event which can be displayed on our display TV (PDF or PNG/JPEG image with aspect ratio 16:9 widescreen size) & also on college website scrolling display (JPEG/PNG image size 1920 pixels length by 600 pixels height) in order to create awareness about study options in France.

Our student coordinators Vrushank Arur, Sharvin Gawad & Lisa Pereira can be approached for any arrangements.

[Quoted text hidden]

CFT Mumbai <choosefrancemumbai@india-campusfrance.org>

23 September 2024 at 17:21

To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

Cc: tpo@fragnel.edu.in, bhoir@frce.ac.in, Vanisha HEMRAJANI <mumbai@india-campusfrance.org>, Vrushank Arur <arur.vrushank9@gmail.com>, Lisa Pereira <lisapereira3172003@gmail.com>

Dear Sir,

Greetings from Campus France Mumbai Desk!

We appreciate your interest in collaborating with Campus France. We are happy to confirm our visit for a presentation on 4th October 2024 from 1:30 pm to 2:30 pm IST.

We will send you the requested flyers soon. Could you please share the contact information of one of the student coordinators, so we can further coordinate the arrangements for the session?

Looking forward to hearing from you soon. Thank you.

Hope you have a great evening ahead!

Best Regards,
Charmi Dattani
Campus France - Mumbai
Contact on +918448293872

Monday, Tuesday, Thursday, Friday

Alliance Française de Bombay

GR02/GR03 Ground Floor

Churchgate Chambers Premises CHS LTD

5, New Marine Lines, Churchgate,
Mumbai- 40002**Wednesday**Alliance Française de Bombay
Hi Life Mall, Phirozshah Mehta Rd, Santacruz West, Mumbai

[Quoted text hidden]

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

26 September 2024 at 19:25

To: CFT Mumbai <choosefrancemumbai@india-campusfrance.org>

Cc: tpo@fragnel.edu.in, bhoir@frce.ac.in, Vanisha HEMRAJANI <mumbai@india-campusfrance.org>, Vrushank Arur <arur.vrushank9@gmail.com>, Lisa Pereira <lisapereira3172003@gmail.com>

Dear Ms. Charmi Dattani

Thank you for your acknowledgement. You can be in touch with our student coordinators Vrushank Arur (7977306698), Sharwin Gavad (8169294402) & Lisa Pereira (8390640195) for the visit.

A gentle, humble request to kindly refrain from sharing their personal contact details with anyone else.

Looking forward to meeting you & your team in person at our campus on Friday October 4, 2024 at 1 pm onwards.

[Quoted text hidden]

CFT Mumbai <choosefrancemumbai@india-campusfrance.org>

30 September 2024 at 17:32

To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

Cc: tpo@fragnel.edu.in, bhoir@frce.ac.in, Vanisha HEMRAJANI <mumbai@india-campusfrance.org>, Vrushank Arur <arur.vrushank9@gmail.com>, Lisa Pereira <lisapereira3172003@gmail.com>

Dear Sir,

Apologies for the late reply.

Thank you for sharing the contact details of the students coordinators. We understand your request and assure you that their personal contact details will not be shared with anyone else. We will coordinate the further arrangements for the presentation with them.

Additionally, please find attached below the requested flyers. If you require any further information from our side, please let us know.

We look forward to an interactive session with your students. Thank you.

[Quoted text hidden]

[Quoted text hidden]

2 attachments



Choose France Tour Mumbai Flyer Website Display.png
834K



Choose France Tour Mumbai Flyer TV Display.png
770K

Vanisha Hemrajani <mumbai@india-campusfrance.org>

6 November 2024 at 16:37

To: jayen.modi@fragnel.edu.in

Cc: tpo@fragnel.edu.in, bhoir@frcce.ac.in, Vrushank Arur <arur.vrushank9@gmail.com>, Lisa Pereira <lisapereira3172003@gmail.com>

Dear Jayen,

Hope you are doing well. Please do share the below webinar details with interested students.

Webinar - Master Medical Device Engineering- Polytech Lyon

Discover the master's program in Medical device engineering at Polytech Lyon. Attend this webinar on **14th November at 5:00 pm** to learn more about the program curriculum, admission procedure, tuition fees and the available scholarships in this field.

This is a great opportunity for students from various domains such as physics, electronic +electrical engineering, biomedical engineering, mechanics, pharmacy, physiotherapy, materials, veterinary, physical and analytical chemistry, physiology or medical domain to explore your academic and research possibilities in France!

Register today at

https://zoom.us/webinar/register/WN_wT0HL6jhSG-4DZKpHQPm0a



Vanisha HEMRAJANI
Manager - Campus France, Mumbai

E: mumbai@india-campusfrance.org | W: inde.campusfrance.org

Embassy of France in India / Institut français en Inde (IFI)

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FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)

A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity

On

An Overview of Embedded Systems & Applications with Career Prospects for 'Core' Engineering Graduates

By

Ayush R. Jain

**Co-founder, UtopiaTech Pvt. Ltd. (Mumbai)
B.E. (Electronics Engineering) – Batch of 2012**



**S.E. (Electronics & Computer Science) – Semester IV
T.E. (Electronics & Computer Science) – Semester VI**


Tuesday, 18th March 2025 (Seminar Hall No. 108)

A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity on Embedded Systems by Ayush Jain, Co-founder, UtopiaTech Pvt. Ltd. (Mumbai) on Tuesday, 18th March 2025



SPHERE Activity on Embedded Systems (Core Industry)

1. Overview & Details

Name of SPHERE Activity for Core Industry Insights	An overview of the world of embedded systems along with their application in real life & career opportunities for 'core' engineering graduates	
Venue / Location	Seminar Hall No. 108, Administrative Block (1 st Floor)	
Activity Organizer & Coordinator	Dr. Sapna Prabhu Professor & Head of Department (HOD) – Electronics & Computer Science (ECS)	
Day, Date & Timings	Tuesday, 18 th March 2025 from 08:45 am to 10:45 am IST	
Key Resource Persons / Subject Expert Speakers	Mr. Aayush Jain Co-founder, UtopiaTech Solutions Pvt. Ltd. (https://utopiatech.in) B.E. (Electronics Engineering) – Batch of 2012	
Aims of the SPHERE Activity for Core Industry Insights (Embedded Systems)	A beyond syllabus lecture on embedded systems delivered by an industry resource person typically aims to bridge gap between academic learning & industrial practices. The primary goal is to expose students to real-world applications & current trends in embedded systems that go beyond what is covered in textbooks. Such sessions aim to inspire innovation, enhance practical understanding & prepare students for future roles in the technology sector. By bringing in insights from live projects & actual work environments, these lectures help students appreciate the relevance & complexity of embedded systems in fields such as automotive, consumer electronics, healthcare & the Internet of Things (IoT).	
Objectives of the SPHERE Activity for Core Industry Insights (Embedded Systems)	The objectives of the lecture focus on providing students with a deeper understanding of how embedded systems are designed, developed & deployed in industry. Students should be able to grasp the complete lifecycle of embedded system projects & become familiar with industry-standard tools, platforms & practices, such as real-time operating systems (RTOS), power optimization strategies & debugging techniques. The lecture also aims to introduce students to current challenges & considerations in embedded design, including memory constraints, cost & performance trade-offs. Additionally, case studies may be discussed to illustrate real-world implementations, & guidance on career pathways & essential skill set was provided.	
Intended Audience	S.E. (Electronics & Computer Science) – Semester IV T.E. (Electronics & Computer Science) – Semester VI	
Programme Outcomes (PO)	<ul style="list-style-type: none"> • PO-6 :- Engineer & Society • PO-7 :- Environment & Sustainability • PO-9 :- Individual & Teamwork • PO-11 :- Project Management & Finance • PO-12 :- Life-long Learning 	

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)

2. Activity Pictures (Images)



FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)



A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity on Embedded Systems by Ayush Jain, Co-founder, UtopiaTech Pvt. Ltd. (Mumbai) on Tuesday, 18th March 2025

3. Description of Activity

1. Introduction

This report outlines the guest lecture delivered by Mr. Aayush Jain as a resource person, the co-founder of UtopiaTech (<https://utopiatech.in>), at his alma mater. The session was aimed at introducing students to the fundamentals & scope of the Internet of Things (IoT), along with highlighting diverse career paths in the domain.

2. Background of the Speaker

Mr. Aayush Jain is a distinguished alumnus from the Department of Electronics Engineering, Fr. Conceicao Rodrigues College of Engineering, who has gone on to co-found UtopiaTech, a company focused on smart technology & IoT-based solutions. With a strong background in embedded systems & connected technologies, Aayush has contributed to several real-world IoT applications across industries. His return as a resource person served as both an informative session & a motivational engagement for current students.

3. Session Overview

The guest lecture session was titled 'Embedded Systems with their real-world Applications for Industrial & Commercial Purposes' & was attended by undergraduate students from second year (S.E.) & third year (T.E.) from the Department of Electronics & Computer Science. The guest lecture covered the following key points :-

- **Introduction to IoT:** Definition, architecture, components (sensors, gateways, cloud) & real-life examples in smart homes, healthcare & manufacturing.
- **Technology Stack:** Overview of IoT communication protocols (MQTT, CoAP), cloud platforms (AWS IoT, Azure IoT Hub) & hardware platforms (Raspberry Pi, Arduino).
- **Project Demos:** Short videos and case studies of solutions developed at UtopiaTech, demonstrating practical implementations of IoT in industrial automation & urban infrastructure.
- **Career Opportunities:** Insights into roles such as IoT Developer, Embedded Engineer, Cloud Architect, & Data Analyst, along with required skillsets & certifications.
- **Entrepreneurial Advice:** Aayush shared his personal journey, the challenges of starting a tech venture, & the importance of innovation, persistence & learning beyond textbooks.

4. Student Interaction

The session concluded with interactive question & answer (Q&A) segment. Students raised queries related to learning resources, job readiness, start-up culture & ongoing trends in the IoT ecosystem. Aayush encouraged students to take up hands-on projects, internships & open-source contributions to build a strong profile.

5. Conclusion

Aayush Jain's guest lecture was both educational & inspirational. His ability to connect complex technical concepts with real-world applications provided immense value to students. His return to his alma mater not only highlighted the importance of alumni engagement but also motivated students to pursue emerging technology domains like IoT with confidence & curiosity.

* * * * *

REPORT ON INDUSTRIAL VISIT FOR INTERACTION WITH THE OUTSIDE WORLD & BRIDGING THE CURRICULUM GAP

TO

UTOPIATECH SOLUTIONS PVT. LTD. (NAVI MUMBAI)



Saturday, 12th April 2025

**A Supporting Placements & Higher Education
Requirements in Engineering (SPHERE) Activity**

Academic Year 2024 – 2025

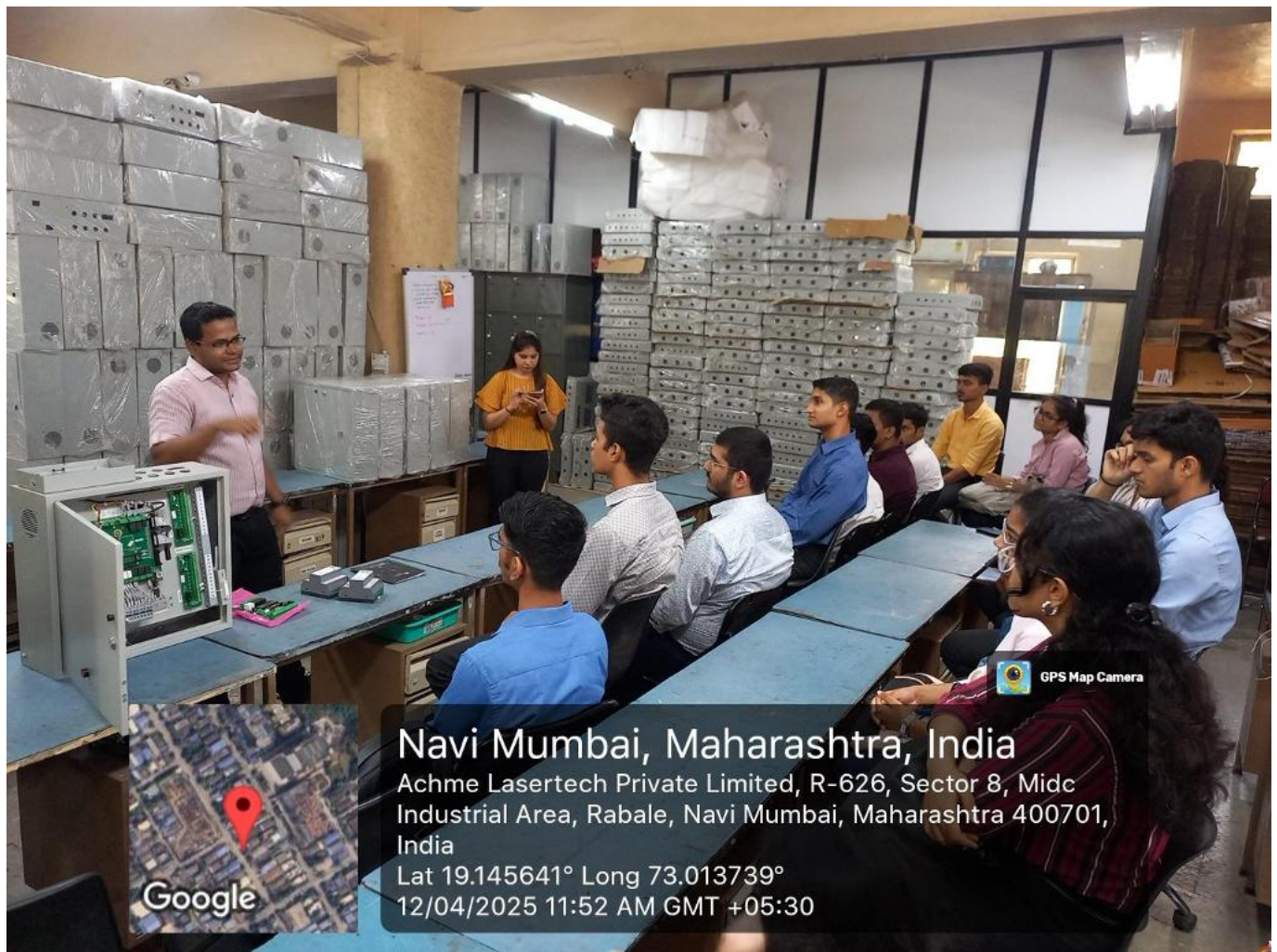
REPORT ON DEPARTMENT INDUSTRIAL VISIT

1. Activity / Event Overview & Details

Type of Visit / SPHERE Activity	A Supporting Placements & Higher Education Requirements in Engineering (SPHERE) Activity of Industrial Visit at Department Level for Staff & Students
Name of Institution / Organization Visited	UtopiaTech Pvt. Ltd., Achme Lasertech Pvt. Ltd., R-626, Sector 8, MIDC Industrial Area, Rabale, Navi Mumbai – 400701 (Maharashtra). (https://utopiatech.in)
Educational Visit Organizer & Coordinator	Jayen Modi Assistant Professor & Coordinator – Training & Placements Department of Electronics & Computer Science (ECS)
Intended Target Audience	B.E. (Electronics & Computer Science) – Semester VII T.E. (Electronics & Computer Science) – Semester V S.E. (Electronics & Computer Science) – Semester III
Resource Persons Interaction done with for Educational Visit	<ul style="list-style-type: none"> • Mr. Aayush Jain – Co-founder • Mr. Shashank Shah – Co-founder • Mr. Mitesh Bajaria – Co-founder • Ms. Kiran Matta – Human Resources (HR)
Day, Date & Timings	Saturday, 12 th April 2025 (full day)
Motivation & Objective of Educational Visit	A golden opportunity in the post-lockdown scenario to observe actual working of any industrial facility in action, thereby trying to bridge the gap between theory & practice. With the global ecosystem entering the phase of Industry 4.0, visit to industrial robotics & automation solution provider company makes student learn & understand concepts of smart manufacturing, Internet of Things (IOT), robotics & other associated technologies thereby enriching their knowledge of the fourth generation industrial revolution (Industry 4.0) !
Relevance to Academic Subjects (Curriculum)	<ul style="list-style-type: none"> • Electronic Devices (ED) – Semester III • Electronic Circuits (EC) – Semester IV • Controls & Instrumentation (C&I) – Semester IV • Sensors & Applications (S&A) – Semester V • Industrial Automation (IA) – Semester VI • Internet of Things (IoT) – Semester VII • Robotics (ROB) – Semester VIII
Relevance to Programme Outcomes (POs)	<ul style="list-style-type: none"> • PO-5 :- Modern Tool Usage • PO-6 :- Engineer & Society • PO-7 :- Environment & Sustainability • PO-9 :- Individual & Teamwork • PO-11 :- Project Management & Finance • PO-12 :- Life-long Learning

2. Introduction & Overview

UtopiaTech Pvt. Ltd., established in May 2017, is a Mumbai-based startup specializing in the Internet of Things (IoT) solutions tailored for smart cities & smart campuses. The company focuses on developing retrofittable IoT systems that integrate seamlessly with existing infrastructure, thereby enhancing operational efficiency without the need for complete overhauls. UtopiaTech's office is situated in the Kamruddin Industrial Estate, a strategic location in Sakinaka, Mumbai. The facility is compact yet well-organized, reflecting company's agile & innovative culture. The workspace is designed to foster collaboration among team members, with dedicated areas for hardware development, software engineering & project management. Their manufacturing unit works along with a research & development (R&D) facility is located at Achme Lasertech Pvt. Ltd., R-626, Sector 8, MIDC Industrial Area, Rabale, Navi Mumbai – 400701 (Maharashtra).



3. Core Offerings & Profile

The company's flagship product is IoT-based lighting management system that enables centralized control of outdoor lighting infrastructure. This system allows for remote monitoring, automated operations & real-time fault detection, leading to significant energy savings & improved maintenance efficiency. In addition to lighting solutions, UtopiaTech is expanding its portfolio to include applications in areas like traffic management, waste management & environmental monitoring, all aimed at contributing to the development of smart cities.

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)



4. Company Organization & Working Professionals

UtopiaTech's team comprises professionals with diverse expertise in IoT, embedded systems, software development, & project management. The company's founders, Shashank Shah, Ayush Jain & Mitesh Bajaria, bring the wealth of experience from their previous roles at organizations like Godrej Group. The organizational culture is characterized by a strong emphasis on innovation, collaboration & continuous learning. Employees are encouraged to take initiative & contribute to the development of solutions that address real-world urban challenges.



FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)



Navi Mumbai, Maharashtra, India
Achme Lasertech Private Limited, R-626, Sector 8, Midc Industrial Area, Rabale, Navi Mumbai, Maharashtra 400701, India
Lat 19.145584° Long 73.013578°
12/04/2025 11:00 AM GMT +05:30



Navi Mumbai, Maharashtra, India
Achme Lasertech Private Limited, R-626, Sector 8, Midc Industrial Area, Rabale, Navi Mumbai, Maharashtra 400701, India
Lat 19.145572° Long 73.013557°
12/04/2025 11:01 AM GMT +05:30

5. Current Projects, Focus Domains & Functional Areas

In early 2025, UtopiaTech participated in IBEX Exhibition at Jio World Center, BKC, showcasing their end-to-end IoT solutions designed for the Banking, Financial Services & Insurance (BFSI) sector. This participation underscores the company's commitment to expanding its reach and impact across various industries.



Navi Mumbai, Maharashtra, India
R-627, Thane Belapur Rd, Sector 8, Midc Industrial Area, Rabale, Navi Mumbai, Maharashtra 400701, India
Lat 19.145531° Long 73.013542°
12/04/2025 11:13 AM GMT +05:30



Navi Mumbai, Maharashtra, India
Achme Lasertech Private Limited, R-626, Sector 8, Midc Industrial Area, Rabale, Navi Mumbai, Maharashtra 400701, India
Lat 19.14565° Long 73.013731°
12/04/2025 11:48 AM GMT +05:30

6. Class Pictures of Participating Students



Navi Mumbai, Maharashtra, India
Achme Lasertech Private Limited, R-626, Sector 8, Midc Industrial Area, Rabale, Navi Mumbai, Maharashtra 400701, India
Lat 19.145584° Long 73.013578°
12/04/2025 01:48 PM GMT +05:30

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)



7. Outcomes, Takeaways & Conclusion

Industrial visits offer a great source to gain practical knowledge. Students can observe and learn as to how theoretical concepts are put to into action, thereby aiding their practical learning. Students are exposed to real working environment and shown how things are done in an organization. From the details about the management to the targets they achieve, everything is covered in these visits.

An industrial visit is first-hand experience to anything related to students' career. It helps gain an active learning experience. Traditional engineering colleges cannot afford to show the real methodologies of companies. Therefore, industrial visits are a great way to gain as much as practical and technical knowledge on area of interest. Be it challenges involved in a particular area of interest or nuances to master the field or scope, everything is covered in an industrial visit.

The gap between theoretical learning and practical exposure is actually bridged by industrial visits. The importance of industrial visits is such that it has been made mandatory in many institutions. Also, students are always curious about what kind of work they would be doing after entering their favorite industry. Through industrial visits, they can clarify their doubts and silence their curiosities. They can communicate with people and organizations to get a clear idea of their dream job.

UtopiaTech Pvt. Ltd. is at the forefront of integrating IoT technologies into the urban infrastructure, offering innovative solutions that enhance the efficiency & the sustainability of smart cities. The company's focus on retrofittable systems, combined with a dedicated team & a culture of innovation, positions it as a key player in the urban tech landscape.



Jayen Modi

Assistant Professor & Coordinator – Training & Placement,
Department of Electronics & Computer Science (ECS),
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

Fr. CRCE
e-mail



Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

Confirmation of Industrial Visit – April 12th, 2025

2 messages

Kiran Matta <kiran.matta@utopiatech.in>

20 March 2025 at 19:24

To: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>

Cc: shashank <shashank@utopiatech.in>, bhoir <bhoir@frcrce.ac.in>, "CRCE, bhoir" <bhoir@fragnel.edu.in>, Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>, "flynn.dennis" <flynn.dennis@frcrce.ac.in>, Mitesh Bajoria <mitesh@utopiatech.in>

Hello Sir,

Greetings from UtopiaTech..!!!

We are happy to confirm the Industrial Visit for your T.E. & S.E. (Electronics and Telecommunication) students on Saturday, **April 12th, 2025**.

We look forward to hosting your students and faculty members at our organization and providing them with insights into our industrial processes and product manufacturing.

The visit will be conducted in two batches:

- **Batch 1:** 10:00 AM – 11:30 AM
- **Batch 2:** 12:00 PM – 1:30 PM

Please let us know if there are any specific requirements or details we should consider. Feel free to connect over call to discuss in detail.

Looking forward to welcoming your students and faculty!



Kiran Matta

HR Manager

M : +91 7208594230

W : www.utopiatech.in

---- On Tue, 18 Mar 2025 13:42:44 +0530 **Jayen Modi Fr. CRCE** <jayen.modi@fragnel.edu.in> wrote ---

Dear Ms. Kiran Matta

Thank you so much for your quick reply.

In addition to our conversation over the phone yesterday evening, we hereby confirm the date of Saturday, 12th April 2025 for an interesting & invigorating experience for our Department students & staff at UtopiaTech.

The student strength will be limited to 60 across second & third year Electronics & Computer Science (ECS) Department.

Kindly share the slot timings along with the address. Requesting you to please confirm the said date from your end.

Thanking you & regards.

Jayen Modi

On Monday, 17 March 2025, Kiran Matta <kiran.matta@utopiatech.in> wrote:

Hello Sir,

Greetings from UtopiaTech..!!!

Thank you for reaching out to us. We would be delighted to host the staff and students of the Department of Electronics & Computer Science at our organization.

We can accommodate the visit on either **Saturday, 29th March 2025, or Saturday, 12th April 2025**. Kindly confirm your preferred date at your earliest convenience so we can make the necessary arrangements.

In terms of capacity, we can accommodate a total of **60 students**, allowing us to organize the visit in **two batches of 30 students each** if needed. Please share the estimated number of attendees to help us plan accordingly.

If there are any specific requirements or additional details we should consider, do let us know. We are happy to connect over a call anytime to discuss further.

Looking forward to welcoming your students and faculty members.

 **UtopiaTech**
Enabling Smarter Planet
Kiran Matta
HR Manager
M : +91 7208594230
W : www.utopiatech.in

---- On Fri, 07 Mar 2025 09:07:57 +0530 **Jayen Modi Fr. CRCE** <jayen.modi@fragnel.edu.in> wrote ----

Dear Ms. Kiran Matta

Greetings from the Department of Electronics & Computer Science of Fr. Conceicao Rodrigues College of Engineering, Bandra (Mumbai) !

With reference to our communication over the phone yesterday evening, we formally request a visit to your esteemed organization by our department staff & students. If you could accommodate us on either Saturday 15th March 2025 or Saturday 22nd March 2025 or Saturday 29th March 2025 then it would be highly appreciated.

Please specify the maximum number of students at a given time so we can work accordingly.

I will be a single point of contact (SPOC) on behalf of the Department for all follow-up & further communication in this regard.

Looking forward to a favourable reply in this regard.

Thank you,

Prof. Jayen Modi

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>
To: Kiran Matta <kiran.matta@utopiatech.in>

24 March 2025 at 09:49

Cc: shashank <shashank@utopiatech.in>, bhoir <bhoir@frcrce.ac.in>, "CRCE, bhoir" <bhoir@fragnel.edu.in>, Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>, "flynn.dennis" <flynn.dennis@frcrce.ac.in>, Mitesh Bajarria <mitesh@utopiatech.in>, sapna@frcrce.ac.in, "CRCE, sapna" <sapna@fragnel.edu.in>

Dear Ms. Kiran Matta

Thank you very much for the confirmation from your end. We eagerly look forward to visiting your campus on Saturday, 12th April 2025 as per the timings mentioned.

Kindly forward the address or location of your campus along with nearby landmarks (if any) as the staff & students will be reaching directly.

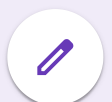
Thank you once again for this wonderful opportunity.

[Quoted text hidden]

Student Registration for Industrial Visit

47 responses

[Publish analytics](#)



1. Name of Student

47 responses

David Porathur

Hazel Sequeira

marc ian sequeira

Harsh Nirbhavane

Saket pokale

Sanika Wagle

Beneeta Benny

Purohit Naimish Priyang

Sherviin manickam

Stery Sabu

Lobo Vilisha Selcita Vincent

Jasper Kurmans

Hanan Fernandes

Shannon Rodrigues

Parth Balasaheb Sawant

Daksh Marathe

Shanaia Alvares

Vaz Jaden Vincent

Tanmay Sanjay Sarode

Peter Aahana Alexis Ravi Melvyn

Slavik Dcosta



Freia Carmelica Quadros

Steve Sequeira

Manglam Jaiswal

Tanaya Bane

Suvarna Suratsing Rajput

ANUGU NAVIN REDDY

Thomas Roshan Bijoy

Anuj Naik

Mehek Gupta

Niva Thakur

Harshid Ketan Modi

Jerry Jacob

Gupta Latika Surendra Kumar

Dsouza Shanice Winston

Arpith Poojary

Lewis Caleb Patson

Fernandes Jude Joachim

Manly Rodrigues

Saloni Bhosale

Celene Ciby

Raina Joyce J P Raj

Zalake Craig Prakash

Johanna Fernandes



Durgesha Dalvi

Jacob biju perumattil

Devona Lewis



2. Roll Number

47 responses

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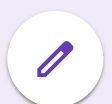
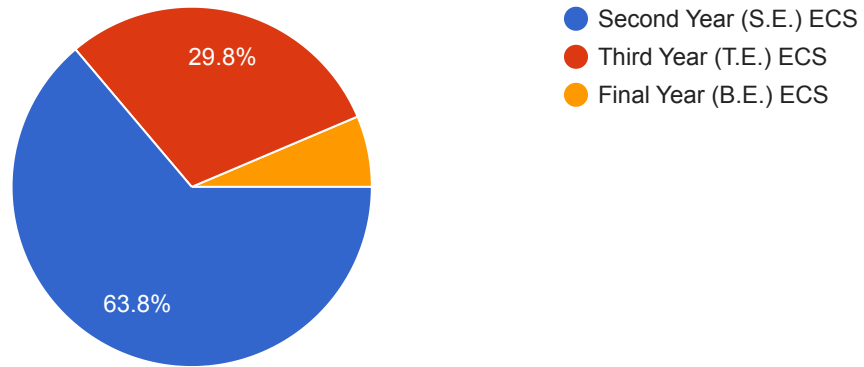
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3. Year of Study (S.E./T.E./B.E.)

 Copy

47 responses



4. Your purpose/motivation of attending the industrial visit & your expected learning outcomes from the same.

47 responses

Through this industrial visit I want to learn and explore the real world career opportunities available in IoT especially at utopia Tech

For me, attending this industrial visit is about stepping out of the classroom and seeing the theories I've learned come to life. I would get the chance to understand the systems and technologies that drive industries today. I'm someone who loves figuring out how things work and solving problems, so this visit will feel like the perfect opportunity to see those puzzles in action. It will also be a chance to connect with people in the field, ask them questions, and gain insights that go beyond what any textbook can teach.

The industrial visit is a chance to bridge the gap between classroom theory and real-world practice. I'm motivated to see firsthand how concepts are applied, gain a practical understanding of industry workflows and technologies, and explore potential career paths. I hope to develop my observational skills, learn about current industry trends, and ultimately, be inspired by the professionals, gaining valuable insights that will shape my future career goals.

As a third-year Electronics and Computer Science student with a keen interest in robotics engineering, I see this industrial visit as a crucial opportunity to bridge the gap between theoretical knowledge and practical applications. Robotics is an interdisciplinary field that integrates electronics, computer science, and mechanical engineering. By visiting an industry, I aim to gain first-hand exposure to the latest technologies, automation processes, and real-world challenges in robotics and related domains.

It might be useful to gain knowledge about how things actually work in the field

I want to learn and explore the IoT domain and its applications.

I'm really looking forward to this industrial visit because it's a chance to see how things actually work beyond textbooks and classrooms. It's one thing to learn about manufacturing, automation, and quality control in theory, but experiencing it firsthand will give me a much clearer understanding. I'm excited to see the latest technologies in action, interact with professionals, and learn about real-world problem-solving. I also hope to understand industry safety standards, sustainability efforts, and potential career paths. Overall, this visit will help me build practical skills, expand my knowledge, and prepare for the future in a hands-on way.

I am very much. Keen to learn about embedded system and iot so would love to visit this place

Im intrested in hardware and I-iot, fairly familiar with it too, so I want to know what the industry is currently demanding from its new employees and what are the new trends in the field of hardware, and especially if I take a job role that is tech hardware then what would the work environment look like.

Visiting UtopiaTech Pvt. Ltd. in Mumbai excites me because their innovative approach to integrating IoT solutions with existing infrastructures aligns perfectly with my academic



interests in IoT. I look forward to understanding how their retrofittable technologies enhance operational efficiency without requiring complete system overhauls. This experience will provide valuable insights into the practical applications of IoT in urban development, enriching my learning journey.

I look forward to attend the industrial visit as it will provide me insights to the corporate world. It will help me to apply the theoretical knowledge that I have gained in the classroom in the real world. It will help me understand the current industrial trends and the challenges faced by the industries in developing and deploying the projects. By studying the real world cases and interacting with professionals, this industrial visit will enhance my analytical and problem solving skills.

To be an entrepreneur

As an engineering student, my motivation for attending the industrial visit is to gain practical exposure to real-world engineering applications. Observing industrial processes will help me connect theoretical concepts with real-life practices, enhancing my technical knowledge.

I aim to understand manufacturing workflows, automation systems, and industry standards. This visit will bridge the gap between classroom learning and practical implementation, enriching my overall engineering education.

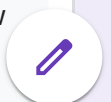
I'm eager to unwrap the secrets of innovation, to witness the fusion of creativity and technology, and to maybe, just maybe, stumble upon a spark that ignites my own passion and purpose.

I want to attend this industrial visit to see how industries work and learn how things are made. It will help me understand new machines and technologies. I also want to get ideas for future projects and learn from industry experts.

The purpose of attending the industrial visit is to gain practical exposure to industrial processes, understand real-world applications of theoretical concepts, and explore career opportunities. This visit will help me learn about industry workflows, technologies, and best practices while interacting with professionals for valuable insights. It will also enhance my problem-solving, teamwork, and technical skills, making me better prepared for future career opportunities.

As a Computer Science student, I am eager to gain practical insights into how IoT solutions are designed, developed, and deployed in real-world applications. The opportunity to visit UtopiaTech Pvt. Ltd., a leading IoT startup known for its smart city lighting solutions in partnership with Lodha, aligns perfectly with my academic and professional interests.

My primary motivation for attending this industrial visit is to bridge the gap between theoretical knowledge and its practical implementation in the industry. While coursework provides a strong foundation in IoT, embedded systems, and cloud computing, observing how these technologies function in a commercial environment will deepen my understanding.



Additionally, seeing how FreeRTOS or similar real-time operating systems are integrated into smart city solutions could provide valuable insights for my projects.

To see how certain things work in the place where we are going, and to gain more motivation and knowledge towards my chosen subject

I am eager to gain practical exposure to industry workflows and understand the real world application of concepts that are being taught to us at the college. And gain experience in order to enhance my practical learnings.

I want to attend the industrial visit because I'm curious about the inner workings of UtopiaTech and want to explore the various niches and technologies they're working on. Having been inspired by the founder's lecture on embedded systems, I'm excited to see firsthand how theoretical concepts are applied in real-world scenarios.

It is wonderful chance to explore more about electronics and have a good look at how the industry works

I want to attend this industrial visit because I want to learn more about IoT and embedded systems. While working on my current hardware project, I realized that I have a lot of gaps in my knowledge.

Another reason I'm interested is to see what a corporate office looks like in this field. I want to experience the work environment, how teams function, and what kind of projects they handle. When the co-founder of UtopiaTech, Ayush Jain, delivered a talk about IoT and embedded systems, it made me even more curious.

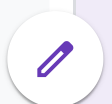
The primary purpose of attending the industrial visit is to gain practical exposure to real-world industrial operations, processes, and technologies. While theoretical knowledge provides a strong foundation, firsthand experience in an industrial setting helps bridge the gap between academics and practical application. By observing and interacting with professionals, I aim to understand the industry's functioning, latest trends, and challenges.

I want to attend this industrial visit to explore industries related to our branch, gain real world insights and understand how professionals work in companies and I am expecting to get exposure to industrial processes, latest technologies, teamwork dynamics, and career opportunities

I got a sparking interest and curiosity in embedded systems after the guest lecture and want to know more about startup and field of implementation of iot and embedded systems in outside world.

Purpose & Motivation

Attending the industrial visit will provide practical exposure to real-world technologies and industry workflows. As an Electronics and Computer Science student, I aim to understand how theoretical concepts like automation, IoT, and AI are applied in real scenarios. This visit will also help me explore career opportunities and industry expectations.



This will give a broad insight on the industry , and also help us to know better how the organisation works .

I am deeply interested in the field of Embedded Systems and I have found that there are very few companies in Mumbai that specialise in this field. This field visit to UtopiaTech would greatly help me understand the different roles and avenues I can specialise in.

I am passionate about the Internet of Things (IoT) and eager to explore its real-world applications in solving complex challenges. Visiting UtopiaTech would provide invaluable insights into your methodologies and technologies, inspiring me to contribute to impactful IoT projects that drive meaningful change.

As I approach the end of my second year and am going to choose electronics subjects as my electives in the third year , I am eager to gain valuable experience and exposure in the field. I find electronics fascinating and am committed to expanding my knowledge and skills.I feel I will get the exposure and experience that I'm looking for through this industrial visit

Curiosity about the field and gain more knowledge of real-world application of embedded systems as well as scope of hardware

Eager to learn and know how things work in the field.

To learn new Market trends

As a second-year Electronics and Computer Science student, I've always been curious about how tech companies operate beyond what we learn in class. While I enjoy working on AI/ML, full-stack development, and web technologies, there's a big difference between building projects as a student and working in a real-world industry setting. This visit to UtopiaTech Pvt. Ltd. is a chance for me to see that difference firsthand.

What excites me most about this visit is the opportunity to understand how AI-powered solutions and full-stack applications are built and deployed at an industry level. I want to see how professionals approach problem-solving, collaborate in teams, and make decisions that shape the products they create. More than just the technical aspects, I'm eager to experience the work culture, project workflows, and team dynamics that drive a successful tech company.

What I Hope to Learn

1. How Real-World Tech Works

It's one thing to write code for a project; it's another to see how it fits into an entire system. I want to learn how companies structure their backend, frontend, and AI models to create scalable applications.



2. How AI/ML is Used in Industry

AI fascinates me, but I want to know how companies move from training models to actually integrating them into products. Seeing this in action will help me understand what skills I need to build.

3. Industry Tools & Technologies

I'm curious about the tools and platforms professionals use daily. Whether it's cloud computing, databases, or deployment strategies, knowing what's relevant in the industry will help me shape my own learning path.

4. Career Guidance & Networking

Meeting professionals from the field is a great way to get insights into career paths, industry trends, and future opportunities. I'd love to ask questions about internships, skill development, and what companies look for in engineers.

5. Bridging the Gap Between Theory & Practice

In college, we mostly focus on learning concepts. This visit will help me connect those concepts to real-world applications and understand why we learn what we do.

To learn and understand how industry works and they manage as interested in Electronics

The purpose of attending this industrial visit is to gain practical exposure to real-world industry operations and many more.

Explore new technologies used in industries

I'd like to know more about the embedded systems industry, how they are used in real life applications, how the engineers at Utopia find solutions to modern day problems and making current systems smarter. Also how R&D in the embedded systems industry is done.

So I wanted to see how the industry works and to know their business management. Also exited for knowing the work culture of utopiatech.

As a I'm student eager to bridge the gap between theoretical knowledge and real-world applications, attending an industrial visit is an exciting opportunity for me. While textbooks and lectures provide a strong foundation, there is no substitute for firsthand experience. I am particularly motivated to participate in this visit because it offers a chance to witness industry operations, technological advancements, and workplace dynamics in action. One of my key motivations is to understand how engineering concepts, business strategies, and operational workflows come together in an actual industrial setting. Seeing these elements in practice will allow me to appreciate the depth and complexity of professional environments, inspiring me to



refine my problem-solving skills and technical expertise. Additionally, I am eager to gain insights into the latest trends, innovations, and challenges in the industry. This will not only expand my knowledge but also help me align my academic learning with current industry expectations. Interacting with professionals who have years of experience in the field will provide valuable guidance on career opportunities and skill development.

Outcomes:

Practical Exposure to Industry Operations:

I expect to gain a clearer understanding of how theoretical concepts are applied in real-world situations. Observing live machinery, automation systems, production lines, or software applications will help me connect my classroom studies with actual industry practices.

Networking and Career Guidance:

This visit provides a platform to interact with industry experts, engineers, and managers. By engaging with them, I aim to gain valuable career insights, learn about skill requirements, and understand potential job opportunities. Their guidance could shape my perspective on professional growth and future learning pathways.

I'm a really curious person, and I love exploring how things work beyond just theory. This industrial visit is an exciting opportunity for me to witness firsthand how IoT, AI, and other emerging technologies are implemented in real-world scenarios. Something beyond textbooks and college projects. I'm eager to understand how industries integrate these technologies efficiently, what problems they solve, and how I can apply these learnings to inspire my future work and specialization.

Eager to learn about the working of startups, since UtopiaTech is an IoT based startup, I would like to know more about IoT projects made there.

Want to learn about how Embedded systems works in industry and its uses.

I was a part of tech team where I worked with rc aircrafts. I would love to learn more to design a personalized aircraft.

Technology is rapidly changing cities, and IoT is playing a key role in this transformation. As a third-year Electronics and Computer Science student, I am eager to learn how IoT is used on a large scale to improve efficiency, sustainability, and automation. Visiting UtopiaTech Pvt. Ltd., a startup specializing in smart city lighting solutions, is a great chance to see how these technologies work beyond textbooks. I am excited to see how IoT devices function in real-world settings. I want to understand how sensors, cloud computing, and automation come together to create smart systems that save energy and improve city life. Additionally, I am interested in the challenges of setting up large IoT networks, such as data security, connectivity, and maintenance.

I want to get idea about the company and also want to explore the work culture of the company.

Learning more about embedded system

I'm interested in the field of embedded systems and want to know more about it for my upcoming mini project



The number of registrations are limited for the industrial visit as requested by the organization on account of logistics, scheduling & management constraints.

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Google Forms



Timestamp	Email address	1. Name of Student	2. Roll Number	3. Year of Study (S.E./T.E./B.E.)
3/25/2025 8:12:06	crce.9514.ecs@gmail.com	Thomas Roshan Bijoy	9514	Final Year (B.E.) ECS
3/25/2025 15:29:50	jerryjacob2006@gmail.com	Jerry Jacob	9467	Final Year (B.E.) ECS
3/25/2025 16:40:27	crce.9505.ecs@gmail.com	Steve Sequeira	9505	Final Year (B.E.) ECS
3/25/2025 2:45:27	jasperisaac13286@gmail.com	Jasper Kurmans	10455	Second Year (S.E.) ECS
3/25/2025 5:57:55	ecs.crce.10155@gmail.com	Parth Balasaheb Sawant	10155	Second Year (S.E.) ECS
3/25/2025 6:06:23	shannonrodrigues.sphs@gmail.com	Shannon Rodrigues	10153	Second Year (S.E.) ECS
3/25/2025 6:28:34	ecs.crce.10150@gmail.com	David Porathur	10150	Second Year (S.E.) ECS
3/25/2025 6:33:25	manlyrodrigues27@gmail.com	Manly Rodrigues	10458	Second Year (S.E.) ECS
3/25/2025 6:36:16	marc290305@gmail.com	marc ian sequeira	10157	Second Year (S.E.) ECS
3/25/2025 6:41:01	judeferns2800@gmail.com	Fernandes Jude Joachim	10451	Second Year (S.E.) ECS
3/25/2025 6:41:45	ecs.crce.10154@gmail.com	Tanmay Sanjay Sarode	10154	Second Year (S.E.) ECS
3/25/2025 6:46:46	ecs.crce.10143@gmail.com	Anuj Naik	10143	Second Year (S.E.) ECS
3/25/2025 6:50:53	arpithpoojary956@gmail.com	Arpith Poojary	10149	Second Year (S.E.) ECS
3/25/2025 6:54:47	ecs.crce.10151@gmail.com	Freia Carmelica Quadros	10151	Second Year (S.E.) ECS
3/25/2025 6:56:06	sterysabu40503@gmail.com	Stery Sabu	10158	Second Year (S.E.) ECS
3/25/2025 7:00:55	beneetabennykp@gmail.com	Beneeta Benny	10108	Second Year (S.E.) ECS
3/25/2025 7:11:30	ecs.crce.10148@gmail.com	Peter Aahana Alexis Ravi Melvyn	10148	Second Year (S.E.) ECS
3/25/2025 7:20:20	sequeirahazel00@gmail.com	Hazel Sequeira	10156	Second Year (S.E.) ECS
3/25/2025 7:25:08	ecs.crce.10107@gmail.com	Tanaya Bane	10107	Second Year (S.E.) ECS
3/25/2025 7:32:07	jadenvaz1@gmail.com	Vaz Jaden Vincent	10161	Second Year (S.E.) ECS
3/25/2025 7:35:03	ecs.crce.10159@gmail.com	Niva Thakur	10159	Second Year (S.E.) ECS
3/25/2025 8:00:09	ecs.crce.10111@gmail.com	Celene Ciby	10111	Second Year (S.E.) ECS
3/25/2025 8:16:21	shervinmanickam2005@gmail.com	Sherviin manickam	10456	Second Year (S.E.) ECS
3/25/2025 8:45:04	salonibhosale24@gmail.com	Saloni Bhosale	10109	Second Year (S.E.) ECS
3/25/2025 8:48:52	shanicedsouza744@gmail.com	Dsouza Shanice Winston	10450	Second Year (S.E.) ECS
3/25/2025 8:58:43	suvarnarajput8591@gmail.com	Suvarna Suratsing Rajput	10152	Second Year (S.E.) ECS
3/25/2025 10:36:07	raaj.jaiswal1990@gmail.com	Manglam Jaiswal	10127	Second Year (S.E.) ECS
3/25/2025 13:30:55	latikagupta450@gmail.com	Gupta Latika Surendra Kumar	10122	Second Year (S.E.) ECS
3/25/2025 18:09:07	hananfernandes31@gmail.com	Hanan Fernandes	10119	Second Year (S.E.) ECS
3/26/2025 21:53:53	marathedaksh28@gmail.com	Daksh Marathe	10133	Second Year (S.E.) ECS
4/1/2025 20:45:37	ecs.crce.10117@gmail.com	Slavik Dcosta	10117	Second Year (S.E.) ECS
4/4/2025 12:21:40	mehekgupta005@gmail.com	Mehek Gupta	10123	Second Year (S.E.) ECS

4/4/2025 13:36:23	ecs.crce.10131@gmail.com	Devona Lewis	10131	Second Year (S.E.) ECS
3/25/2025 5:47:59	namspurohit03@gmail.com	Purohit Naimish Priyang	10396	Third Year (T.E.) ECS
3/25/2025 8:25:46	crce.10395.ecs@gmail.com	Harshid Ketan Modi	10395	Third Year (T.E.) ECS
3/25/2025 9:09:43	jacob7perumattil@gmail.com	Jacob biju perumattil	9849	Third Year (T.E.) ECS
3/25/2025 11:20:57	crce.10394.ecs@gmail.com	Lewis Caleb Patson	10394	Third Year (T.E.) ECS
3/25/2025 11:40:29	crce.9814.ecs@gmail.com	Shanaia Alvares	9814	Third Year (T.E.) ECS
3/25/2025 15:09:23	crce.9875.ecs@gmail.com	Zalake Craig Prakash	9875	Third Year (T.E.) ECS
3/25/2025 19:59:59	crce.9826.ecs@gmail.com	Johanna Fernandes	9826	Third Year (T.E.) ECS
3/25/2025 20:22:56	crce.9838.ecs@gmail.com	Lobo Vilisha Selcita Vincent	9838	Third Year (T.E.) ECS
3/26/2025 23:46:17	saket82005@gmail.com	Saket pokale	9851	Third Year (T.E.) ECS
3/26/2025 23:49:34	crce.9846.ecs@gmail.com	Harsh Nirbhavane	9846	Third Year (T.E.) ECS
4/1/2025 8:42:55	anugunavinreddy2004@gmail.com	ANUGU NAVIN REDDY	9815	Third Year (T.E.) ECS
4/1/2025 21:41:22	rainajoycerj@gmail.com	Raina Joyce J P Raj	9853	Third Year (T.E.) ECS
4/4/2025 14:41:26	crce.9818.ecs@gmail.com	Durgesha Dalvi	9818	Third Year (T.E.) ECS
4/4/2025 14:41:34	sanikawagle@gmail.com	Sanika Wagle	9873	Third Year (T.E.) ECS

Feedback on Visit to UtopiaTech Pvt. Ltd.

12 responses

[Publish analytics](#)

1. Student Name

12 responses

David Porathur

Lobo Vilisha Selcita Vincent

Fernandes Jude Joachim

Hanan William Fernandes

Thakur Niva Rupesh

Johanna Fernandes

Parth Balasaheb Sawant

Manglam Jaiswal

Shanaia Alvares

Marc ian sequeira

Jacob Biju Perumattil

Durgesha Dalvi



2. Student Roll No.

12 responses

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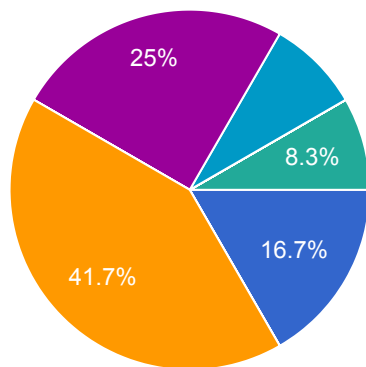
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MAPPING OF PROGRAMME OUTCOMES (PO)

1. Mapping of Programme Outcomes (PO)

 Copy

12 responses



- PO-1 :- Engineering knowled...
- PO-2 :- Problem analysis - Id...
- PO-3 :- Design/development...
- PO-4 :- Conduct investigation...
- PO-5 :- Modern tool usage -...
- PO-6 :- Engineer & society -...
- PO-7 :- Environment & sustai...
- PO-8 :- Ethics - Apply ethical...

▲ 1/2 ▼

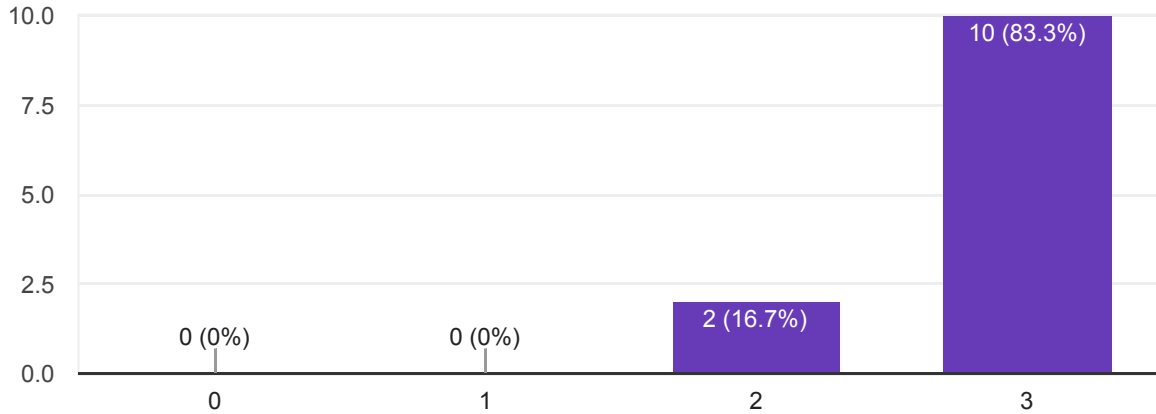
GENERAL / OVERALL FEEDBACK



1. Please rate the amount of value addition/knowledge gained from the visit.



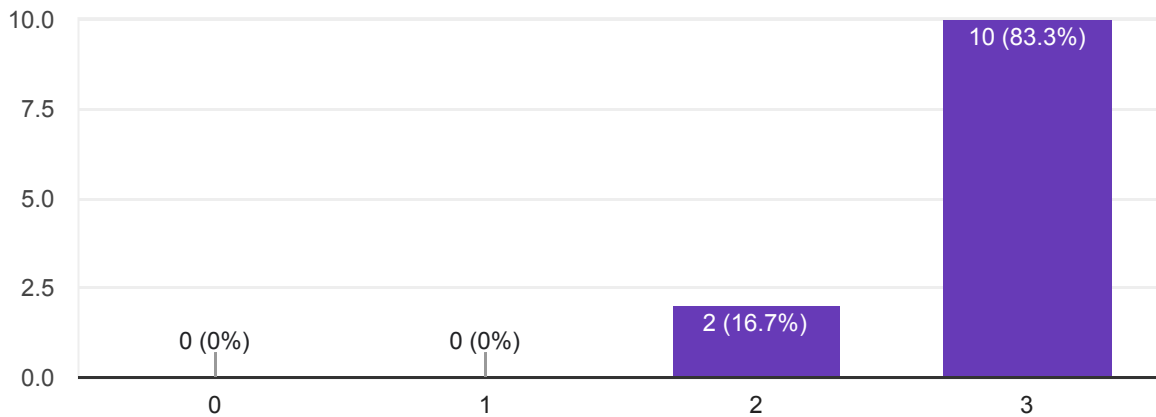
12 responses



2. Please rate the amount of practical applications & real-world usage gained from the visit.



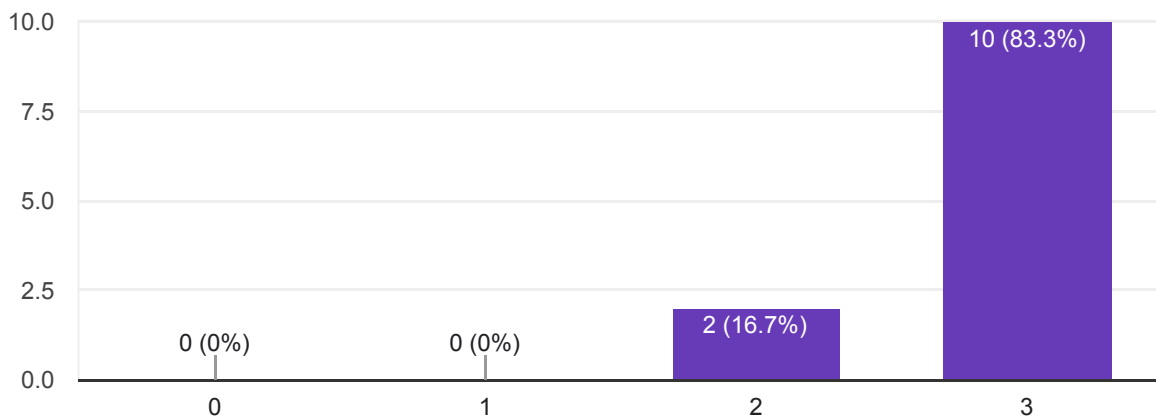
12 responses



3. Please rate the amount of usefulness for your future career prospects.



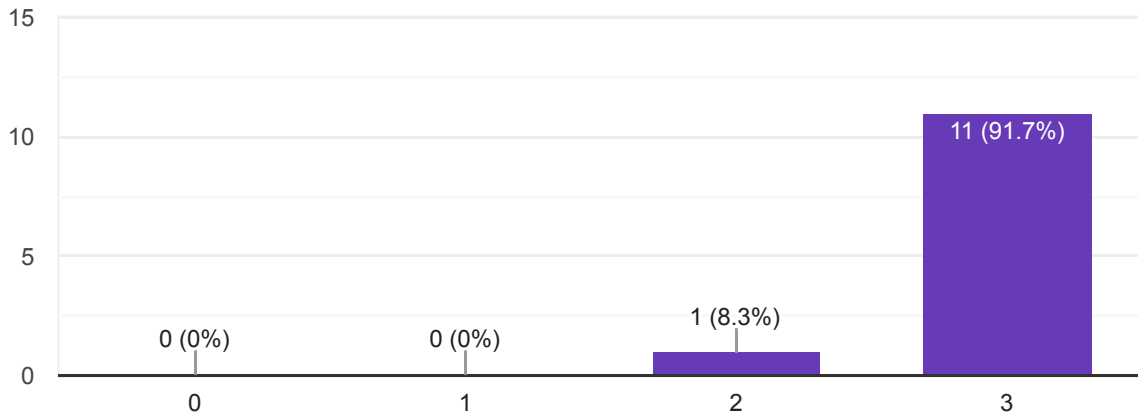
12 responses



4. Please rate the level/amount by which you actually benefited (overall) by this visit.

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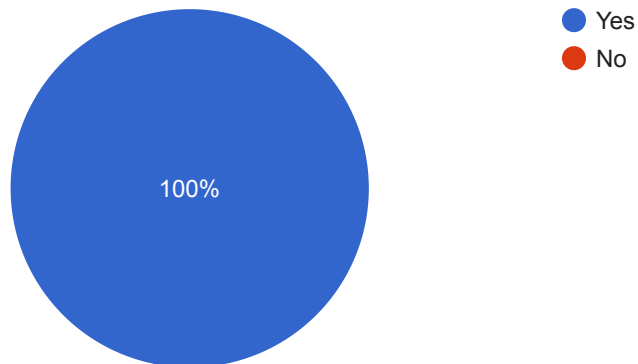
12 responses



5. Should the Department conduct more such industry visits in near future ?

 Copy

12 responses



6. Please provide a testimonial from your side.

12 responses

Through the visit we had an exposure to real world application of Electronics and electrical systems

The industrial visit to UtopiaTech Pvt. Ltd. gave me an insight of how the IOT based applications are applied to solve real-world problems. Seeing the work, particularly in the domains of surveillance systems and smart lighting, I am motivated to contribute to societal development, not merely just as academic exercises but for the development of the society.

It was a great experience. I learned a lot from this industrial visit and it was well-organised. My plan of action is to continue up-skilling myself and start my own IoT projects that I can add to my resume.

My visit to Utopia Tech, a dynamic hardware-focused company, was an eye-opening and enriching experience. As someone pursuing a career in engineering, I found this visit extremely insightful and relevant to my academic and professional journey. The team at Utopia Tech shared in-depth knowledge about various hardware components, systems integration, and how their innovations are solving real-world problems.

What stood out most was the hands-on exposure we received – from understanding circuit design and PCB development to seeing the actual working of embedded systems and IoT-based hardware. The way they explained complex concepts in a simple, engaging manner helped bridge the gap between what we learn in textbooks and how it applies practically in the industry.

This IV was important for practical knowledge and in-depth application of Embedded Systems in daily life. Looking forward to more such visits.

The industrial visit to Utopia Tech was a great experience. It provided valuable insights and exposure to the IoT domain, showcasing various types of projects and demonstrating how IoT can be used to solve real-world problems, making tasks faster and easier for users.

Utopia Tech, a startup by our college alumni, is doing great work in making electronic panels like ATM surveillance systems and smart city lights. Their use of IoT to solve real-life problems is very inspiring. The visit gave a clear idea of how technology is used in practical ways. It motivated me to start small IoT projects and explore more about it. Thanks to the ECS department and faculty for arranging such a valuable industrial visit.

The industrial visit was a great learning experience
Seeing advanced tech like automation and IoT in action gave me a better understanding of how things work beyond textbooks
I'm now motivated to explore these technologies more through online courses and projects, and look for internships to gain hands-on experience.

My visit to UtopiaTech Pvt. Ltd. was an incredibly insightful and enriching experience. The company showcased several innovative technological solutions, including a smart timer system, a smart alarm system, and a smart lighting system for streetlights. Each of these



products demonstrated the potential of IoT in revolutionizing everyday systems and improving operational efficiencies.

The smart lighting system for street lights was an innovative project I had the opportunity to observe. By using IoT technology, the system optimizes energy consumption and maintenance costs for urban environments. It automatically adjusts lighting based on environmental conditions such as weather or traffic patterns, making it both energy-efficient and cost-effective. This system is a prime example of how IoT can contribute to building smarter, more sustainable cities.

After seeing these technologies in action, I am even more convinced about the tremendous potential of IoT in transforming various sectors. Moving forward, I would like to explore ways in which IoT solutions can be incorporated into my own projects, especially in the areas of smart automation and security. The idea of creating systems that can operate autonomously while providing real-time data is something I am eager to implement in my future endeavours. In conclusion, the visit to UtopiaTech was inspiring and provided me with a deep understanding of the practical applications of IoT. I look forward to leveraging this knowledge in my academic and professional journey, while exploring innovative ways to contribute to the growing field of IoT technology.

- 1) Observed practical application of advanced research.
- 2) Emphasis on [Key theme, e.g., user-centric design].
- 3) Noteworthy integration of technological domains.
- 4) Valuable real-world context gained.

Future Plan of Action Points:

- 5) Integrate specific details into knowledge base.
- 6) Conduct comparative analysis with other entities.
- 7) Improve problem-solving abilities based on observations.

My plan is to get into the embedded system this was a great starting point on what it takes to get in

The visit was an eye-opening and enriching experience that offered a closer look at the latest technological innovations shaping various industries today. Observing advancements in areas such as artificial intelligence, automation, smart systems, and sustainable technologies provided a practical understanding of how these tools are being used to address real-world challenges. The interactive demonstrations and discussions with professionals helped bridge the gap between theoretical knowledge and practical implementation. This exposure has sparked a deeper interest in exploring fields like machine learning, data analytics, and IoT. Moving forward, I plan to strengthen my understanding through relevant online courses, workshops, and hands-on projects. I also aim to participate in internships, hackathons, and collaborative tech initiatives to gain practical insights and contribute meaningfully to the evolving tech landscape. This experience has not only broadened my perspective but also reinforced my goal to be part of innovative, solution-driven technology development in the future.

7. Please upload your pictures/images from the visit.

4 responses



THANK YOU FOR YOUR VALUABLE FEEDBACK

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**FR. CONCEICAO RODRIGUES
COLLEGE OF ENGINEERING**

An Autonomous Institution Affiliated to the University of Mumbai | Awarded NAAC Grade 'A'

Department of Electronics & Computer Science (ECS)

*Where does all the Data go? A real-world look
at Data Engineering & Data Warehousing*

Er. Pranjal Nirmal Jain

A guest lecture on practical industry insights by our alumnus

**Sr. Data Engineer, Quantiphi Analytics Solutions Pvt. Ltd.
B.E. (Information Technology) – Batch of 2019
Fr. Conceicao Rodrigues College of Engineering**

**Tableau Certified | Azure Certified | AWS | ETL |
Snowflake | SQL | IICS | Insurance Domain**



**Friday
25th April 2025**



**01:00 pm IST onwards
(Mandatory for T.E. ECS)**



**Classroom
No. 306/307**

A Beyond Syllabus Activity (BSA) for Bridging the Curriculum Gap through Guest Lecture on Data Warehousing & Mining by Pranjal Jain, Sr. Data Engineer at Quantiphi Inc. on Friday, 25th April 2025

A Beyond Syllabus Activity (BSA) for Bridging the Curriculum Gap by Guest Lecture

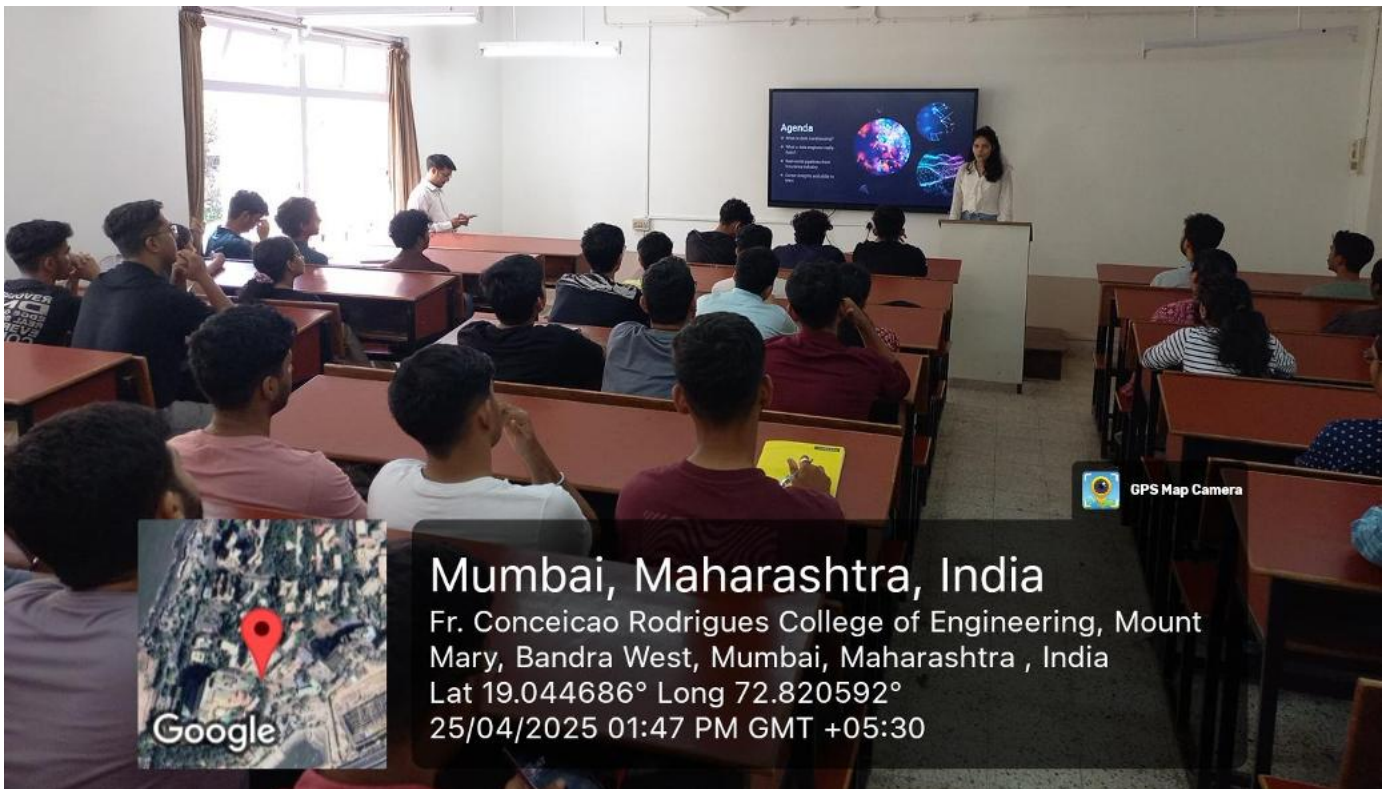
On

'Where does all the Data go ? A real-world look at Data Engineering, Data Warehousing & Data Mining

By

Pranjal Jain

**Sr. Data Engineer, Quantiphi Analytic Solutions Pvt. Ltd.
B.E. (Information Technology) – Batch of 2019**



T.E. (Electronics & Computer Science) – Semester VI

Friday, 25th April 2025 from 01:30 pm to 3:30 pm

A Beyond Syllabus Activity (BSA) for Bridging the Curriculum Gap through Guest Lecture on Data Warehousing & Mining by Pranjal Jain, Sr. Data Engineer at Quantiphi Inc. on Friday, 25th April 2025



Beyond Syllabus Activity (BSA) Bridging Curriculum Gap

1. Overview & Details

Name of Beyond Syllabus Activity (BSA)	Where does all the data go ? A real-world look at Data Engineering, Data Warehousing & Data Mining with practical real-life applications
Venue / Location	Classroom No. 306 / 307, 3 rd Floor (Department of Electronics & Computer Science)
Activity Organizer & Coordinator	Prof. Flynn Jiu & Prof. Jayen Modi Assistant Professors, Department of Electronics & Computer Science (ECS)
Day, Date & Timings	Friday, 25 th April 2025 from 01:30 pm to 03:30 pm IST
Key Resource Persons / Subject Expert Speakers	Ms. Pranjal Jain Sr. Data Engineer, Quantiphi Analytics Solutions Pvt. Ltd. (Mumbai) B.E. (Information Technology) – Batch of 2019 Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)
Aims of the Beyond Syllabus Activity (BSA) of Guest Lecture by Resource Person for Bridging the Curriculum Gap	A beyond syllabus lecture delivered by an industry resource person typically aims to bridge gap between academic learning & industrial practices. The primary goal is to expose students to real-world applications & current trends in data warehousing that go beyond what is covered in textbooks. Such sessions aim to inspire innovation, enhance practical understanding & prepare students for future roles in the technology sector. By bringing in insights from live projects & actual work environments, these lectures help students appreciate the relevance & complexity of big data in fields such as automotive, consumer electronics, healthcare & the Internet of Things (IoT).
Objectives of the Beyond Syllabus Activity (BSA) of Guest Lecture by Resource Person for Bridging the Curriculum Gap	The objectives of the lecture focus on providing students with a deeper understanding of how data engineering systems are designed, developed & deployed in the industry. Students should be able to grasp the complete lifecycle of data engineering projects & become familiar with industry-standard tools, platforms & practices & also conversant with data warehousing, data mining & other aspects of data engineering. The lecture also aims to introduce students to current challenges & considerations in the world of data & also answer questions based on fair use of data & various ethical concepts. Additionally, case studies may be discussed to illustrate real-world implementations, & guidance on career pathways & essential skill set was provided.
Intended Audience	T.E. (Electronics & Computer Science) – Semester VI
Programme Outcomes (PO)	<ul style="list-style-type: none"> • PO-6 :- Engineer & Society • PO-7 :- Environment & Sustainability • PO-9 :- Individual & Teamwork • PO-11 :- Project Management & Finance • PO-12 :- Life-long Learning



A Beyond Syllabus Activity (BSA) for Bridging the Curriculum Gap through Guest Lecture on Data Warehousing & Mining by Pranjal Jain, Sr. Data Engineer at Quantiphi Inc. on Friday, 25th April 2025

2. Activity Pictures (Images)



A Beyond Syllabus Activity (BSA) for Bridging the Curriculum Gap through Guest Lecture on Data Warehousing & Mining by Pranjal Jain, Sr. Data Engineer at Quantiphi Inc. on Friday, 25th April 2025

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics & Computer Science (ECS)



A Beyond Syllabus Activity (BSA) for Bridging the Curriculum Gap through Guest Lecture on Data Warehousing & Mining by Pranjal Jain, Sr. Data Engineer at Quantiphi Inc. on Friday, 25th April 2025

3. Description of Activity

1. Introduction

The guest lecture was conducted by Pranjal Jain, a distinguished alumnus with extensive experience in the field of data engineering, data warehousing & data mining. The session was aimed at providing engineering students an in-depth understanding of where data resides in modern information systems & how it is utilized for decision-making & analytics.

2. Lecture Overview

The primary focus of the lecture was on how data flows within contemporary systems & where it is stored for use. The resource person highlighted the following key topics:

- **Data Warehousing Fundamentals:** The alumnus introduced the concept of data warehousing as a repository for consolidated data from multiple sources. Students learned that a data warehouse is used for storing large volumes of historical data for analytical processing.
- **The Role of Data Mining:** Data mining was described as the process of extracting valuable insights & patterns from data. The alumnus explained how mining can help organizations make data-driven decisions, uncover trends & can predict future outcomes.
- **Modern Information Systems Architecture:** The resource person gave a detailed overview of modern information systems, discussing how data flows from operational systems to data warehouses. The lecture emphasized the importance of structured & unstructured data, and where they are stored in the system viz. data lakes, warehouses, cloud storage & distributed systems.
- **Where Does the Data Go in Modern Systems:** The alumnus explained the various destinations of data in modern systems:
 - ✓ **Data Lakes** for raw, unstructured data.
 - ✓ **Cloud Storage Systems** (AWS, Azure, Google Cloud) for scalability & flexibility.
 - ✓ **Distributed Databases** such as Hadoop & NoSQL databases for processing large-scale data.
 - ✓ **Data Warehouses** for structured, cleaned & processed data, which is ready for analytical purposes.
- **Emerging Technologies:** The lecture also touched on emerging technologies like real-time data streaming (Kafka, Apache Flink) & the growing trend of edge computing, where data is processed closer to its source.

3. Engagement with Students

The lecture was interactive, with the alumnus encouraging students to ask questions & share their thoughts. Several case studies were presented, showing practical applications of data warehousing and mining in industries like retail, healthcare, & finance. Students were encouraged to think critically about how data is not only stored but also utilized in solving real-world problems.

4. Learning Outcomes

By the end of the session, students were able to:

- Understand the critical role of data warehousing & mining in modern IT systems.
- Gain insights into how large-scale data is stored, processed & analyzed.
- Learn about cutting-edge technologies used in data storage & retrieval.
- Understand the real-world applications of these technologies in various industries.

A Beyond Syllabus Activity (BSA) for Bridging the Curriculum Gap through Guest Lecture on Data Warehousing & Mining by Pranjal Jain, Sr. Data Engineer at Quantiphi Inc. on Friday, 25th April 2025

5. Feedback and Conclusion


The students expressed enthusiasm & a deeper understanding of complexities involved in data management. Feedback indicated that the session provided valuable insights that aligned well with their curriculum & real-world industry needs. The alumnus concluded the lecture by encouraging students to continue exploring the evolving field of data science & technology, emphasizing its relevance in nearly every industry.

This report reflects the key highlights of the guest lecture delivered by Pranjal Jain, who provided valuable knowledge & insights into the evolving field of data warehousing, mining & modern information systems.



Flynn Dennis Jiu

Assistant Professor & Subject I/C – Data Warehousing & Mining
Department of Electronics & Computer Science
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)



Jayen Modi

Assistant Professor, Department of Electronics & Computer Science
Coordinator – Training & Placements, Department of Electronics & Computer Science
In-charge of Public Relations & Outreach (PRO)
Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

* * * * *

Fr. CRCE
e-mail



Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

Invitation to Deliver Guest Lecture

2 messages

Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>

3 April 2025 at 15:41

To: Pranjal Jain <pranjal0jain@gmail.com>

Cc: "Jayen Modi Fr. CRCE" <jayen.modi@fragnel.edu.in>, sapna CRCE <sapna@fragnel.edu.in>

Dear Ms. Pranjal,

Warm greetings from Fr. Conceicao Rodrigues College of Engineering!

We are delighted to invite you to deliver a guest lecture on **Data Warehousing and Mining**, scheduled to take place on **25th April 2025 at 11:00 AM** in our esteemed college premises.

Your expertise and contributions to the field make you the ideal speaker to inspire and educate our students. We are confident that your insights will greatly enrich their understanding and appreciation of the subject.

Kindly let us know your availability and share any specific requirements you may have for the session.

We look forward to your confirmation and to an engaging and fruitful session.

Thank you for considering our invitation.

--

Thanks and Regards,

Mr. Flynn D. Jiu

Assistant Professor,

Department of Electronics and Computer Science

Father Conceicao Rodrigues College of Engineering

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

5 April 2025 at 19:55

To: Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>

Cc: Pranjal Jain <pranjal0jain@gmail.com>, sapna CRCE <sapna@fragnel.edu.in>

Dear Pranjal

Greetings from the Department of Electronics & Computer Science at Fr. Conceicao Rodrigues College of Engineering !

We fondly recall our online interaction during the lockdown, when you & your batch-mates conducted an online session on Sunday 4th October 2020 for students appearing at Quantiphi Inc. the very next day. That particular placement guidance session was the first of its kind & received a huge positive feedback from the students & staff alike.

Fast forward to the present, we would love to have history repeating itself in 2025 with your august presence in our department as requested by Prof. Flynn Dennis Jiu. Looking forward to welcoming you back & enlightening your juniors about the topics already discussed earlier between you & Prof. Flynn.

Thanks & regards.

[Quoted text hidden]

Fr. CRCE
e-mail



Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

Pranjal Jain Guest Lecture Presentation

2 messages

Pranjal Jain <pranjal0jain@gmail.com>

24 April 2025 at 23:00

To: "jayen.modi@frcrce.ac.in" <jayen.modi@frcrce.ac.in>, "jayen.modi@fragnel.edu.in" <jayen.modi@fragnel.edu.in>

Hi sir,

Hope you're doing well.

I am attaching my presentation for tomorrow, for your reference.

Thanks And Regards,
Pranjal Jain



Pranjal_Jain_Guest_Lecture_DataWarehousing.pptx
4528K

Jayen Modi Fr. CRCE <jayen.modi@fragnel.edu.in>

25 April 2025 at 04:52

To: Flynn Dennis jiu <flynn.dennis@fragnel.edu.in>, "flynn.dennis" <flynn.dennis@frcrce.ac.in>

----- Forwarded message -----

From: **Pranjal Jain** <pranjal0jain@gmail.com>

Date: Thursday, 24 April 2025

Subject: Pranjal Jain Guest Lecture Presentation

To: "jayen.modi@frcrce.ac.in" <jayen.modi@frcrce.ac.in>, "jayen.modi@fragnel.edu.in" <jayen.modi@fragnel.edu.in>

Hi sir,

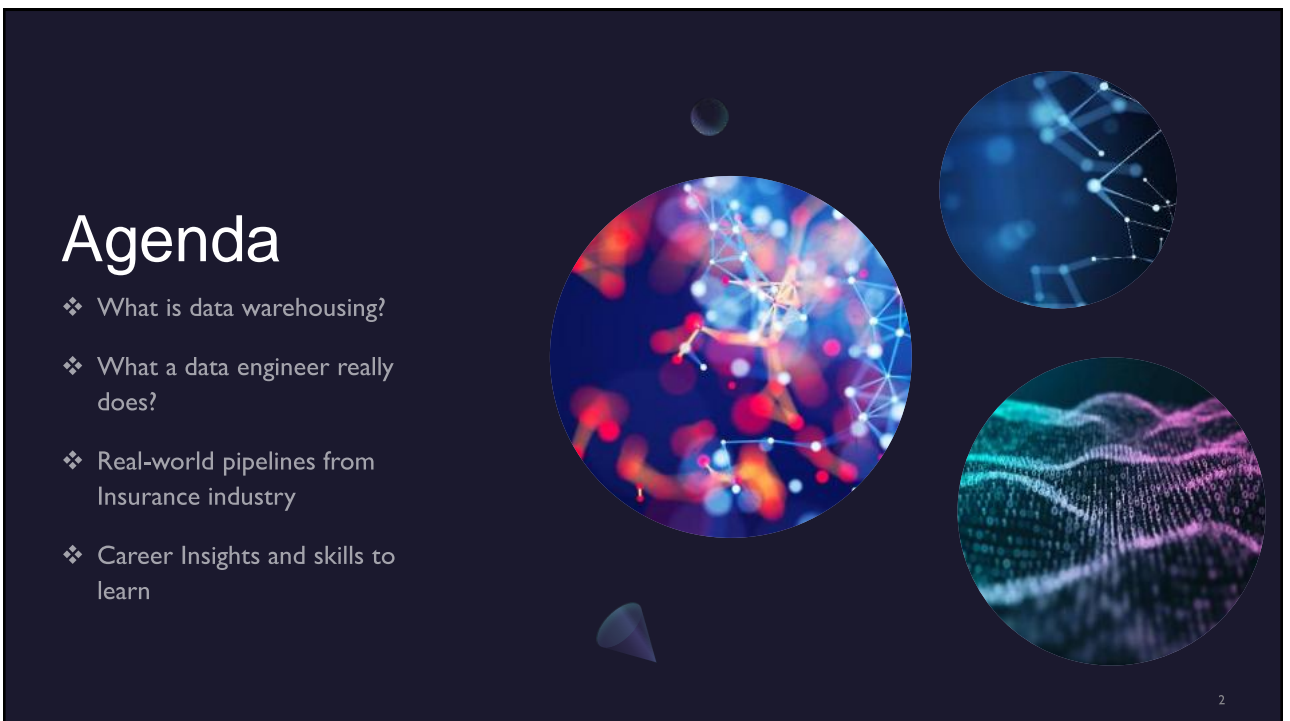
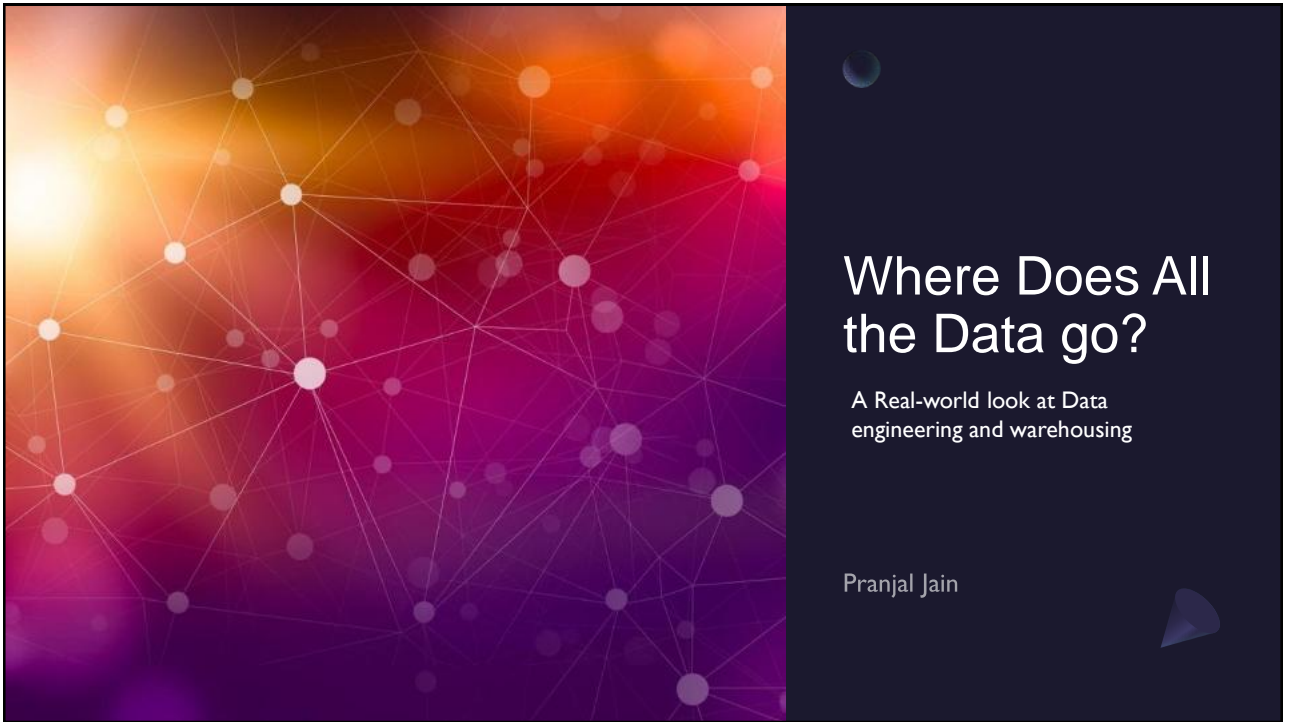
Hope you're doing well.

I am attaching my presentation for tomorrow, for your reference.

Thanks And Regards,
Pranjal Jain



Pranjal_Jain_Guest_Lecture_DataWarehousing.pptx
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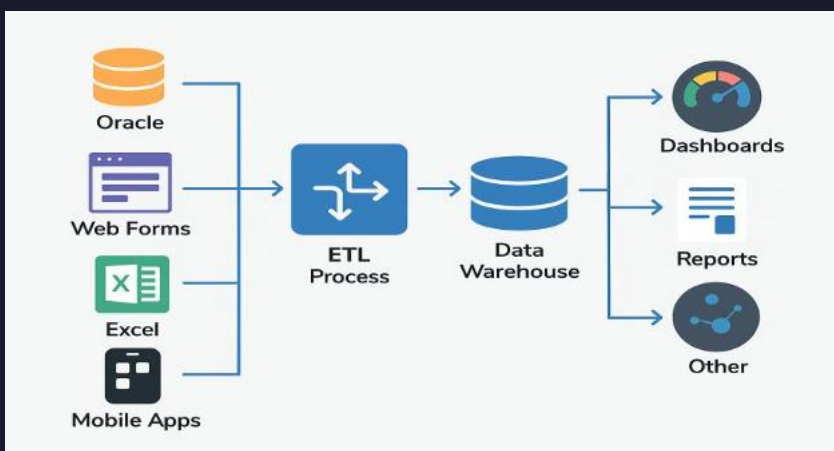


What is data warehousing?

- Central place to store structured, cleansed data
- Supports reporting, analytics, dashboards
- It's not for "transactions". It's for "insights"

Why do we need data warehousing?

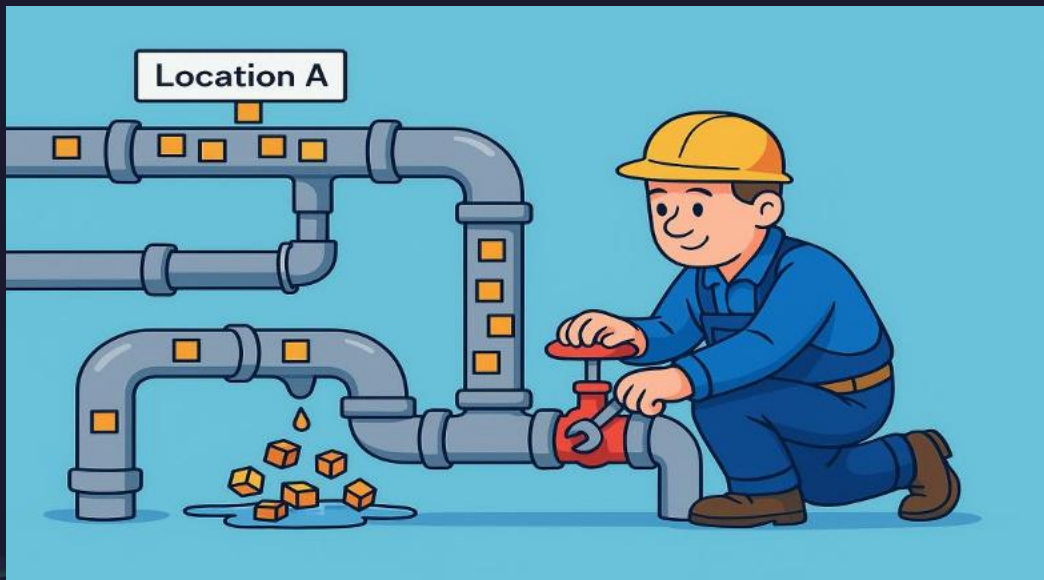
FROM MESSY RAW DATA TO MEANINGFUL INSIGHTS.. THIS IS WHY DATA WAREHOUSING MATTERS!





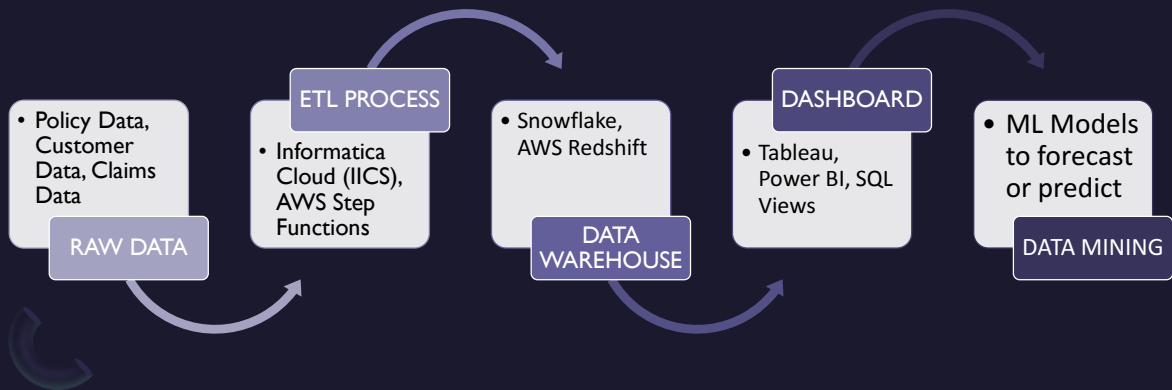
What a data engineer really does?

5



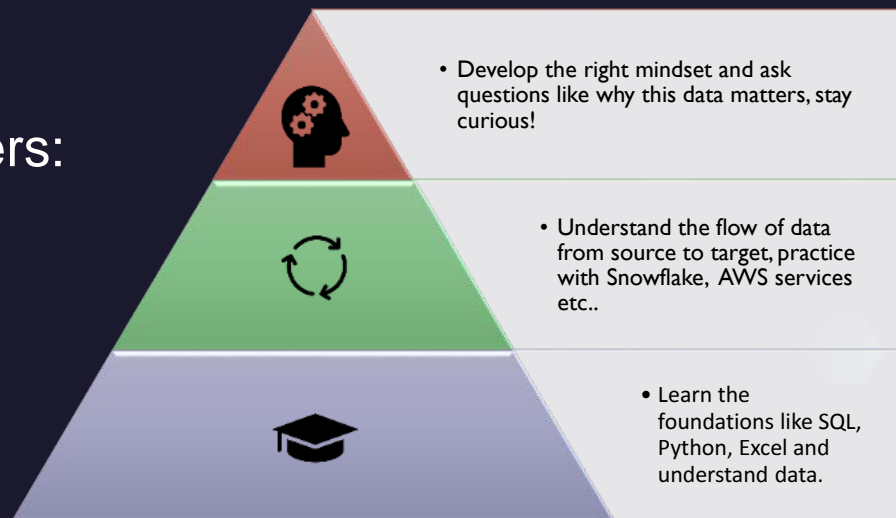
6

Real-world pipelines from Insurance industry



7

Data Careers: Skills and Mindset



8

Thank You

Pranjal Jain

pranjal0jain@gmail.com

<https://www.linkedin.com/in/pranjaljain21>





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CERTIFICATE OF APPRECIATION



is presented to

Er. Pranjal Nirmal Jain

Senior Data Engineer

Quantiphi Analytics Solutions Pvt. Ltd.

B.E. (Information Technology)



for conducting a guest lecture as a resource person; titled 'Where does all the Data go ? A real-world look at Data Engineering & Data Warehousing' for the subject of 'Data Warehousing & Mining (DWM)' for T.E. (ECS) – Semester VI, organized by the Department of Electronics & Computer Science (ECS) on Friday, 25th April 2025.

Prof. Flynn Dennis Jiu
Organizer & Assistant Professor,
Electronics & Computer Science
Department, Fr. Conceicao
Rodrigues College of Engineering

Prof. Jayen Modi
Organizer & Assistant Professor,
Electronics & Computer Science
Department, Fr. Conceicao
Rodrigues College of Engineering

Dr. Sapna U. Prabhu
Professor & Head of Department,
Electronics & Computer Science
Department, Fr. Conceicao Rodrigues
College of Engineering