

Two days Alumni Technothon - MITE (ATM-2022)

Alumni Technothon - MITE, a 2-Days Alumni program conducted on 13th & 14th Januarv 2022 in which the students were participated to gain knowledge on engineering aspects, the attitude of the professional engineer and professional challenges in the current scenario and also the scope for preparation to upgrade the requirements with respect to confidence, personality, communication skills, body languages and technical skills.

MITE, guided by the core value of "family culture", strongly believes Alumni, as an integral part of the MITE family, present achievements and future hope. This firm conviction has encouraged the institution to develop lifelong commitment through continuous engagement with proud alumni of Engineering and Management Studies spread across the globe, established well in the chosen profession with their global competency, making a positive impact as brand ambassadors of the alma mater.

The speakers for the Two days "Alumni Technothon - MITE" were:

Er. Puneeth S Kannaraya, Research Scholar IISc, Bengaluru



Topic: Significance of Research Activity for Students

Designation: Research Scholar IISc, Bengaluru

Education:

BE: Department of Mechanical Engineering

(Alumnus, Batch 2010-11)

PG: Aeronautical Engineering, New Horizon College of Engineering

PhD: Pursuing at IISc, Bengaluru on "Smart manufacturing and quality certification of medical devices"

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Er. Ashrith S Nigale, Sr. Manager-Manufacturing Engineering, NPD & Sourcing, Rajamane Innovations



Topic: Exploring Insights of Manufacturing Industries

Designation: Sr. Manager-Manufacturing Engineering, NPD & Sourcing, Rajamane Innovations

Education:

BE: Department of Mechanical Engineering (Alumnus, Batch 2015-16)

Er. Anup Kumar, Civil Contractor/Writer, Bengaluru



Topic: Communication Skills and Career Guidance

Designation: Civil Contractor/ Writer, Bengaluru

Education:

BE: Department of Civil Engineering

(Alumnus, Batch 2017-18)

Er. Tushar H Salian, Assistant Project Manager in Colliers International, Bengaluru



Topic: Project Management in Civil Engineering Industry

Designation: Assistant Project Manager in Colliers International, Bengaluru

Education:

BE: Department of Civil Engineering (Alumnus, Batch 2016-17)

Er. Sachin Kotian, Senior Systems Engineer at Infosys limited, Mysuru



Topic: User Experience Design

Designation: Senior Systems Engineer at Infosys limited,

Mysuru

Education:

BE: Department of Civil Engineering

(Alumnus, Batch 2017-18)

Er. Prasanna Kulal, Senior Validation Engineer, Robert Bosch, Bengaluru



Topic: Automotive Network Management

Senior Validation Engineer, Robert Bosch, **Designation:**

Bengaluru

Education:

BE: Department of Electronics & Communication Engineering

(Alumnus, Batch 2015-16)

Mr. Sapan Kumar, Placement Officer, East Point College, Bangalore



Topic: Talent Acquisition

Designation: Placement Officer, East Point College, Bengaluru

Education:

MBA: Department of Master of Business Administration

(Alumnus, Batch 2018-19)

Er.Ichith S, Project Specialist, Recyclofy, Mangalore



Topic: A Journey from Aeronautics to IT Sales

Designation: Project Specialist, Recyclofy, Mangaluru

Education:

BE: Department of Aeronautical Engineering

(Alumnus, Batch 2015-16)

Er. Dhruv Godhani, Senior Software Engineer, NOVIGO Solutions, Bengaluru



Topic: Microsoft Power BI (Visualization Tool) Hands-on session.

Designation: Senior Software Engineer, NOVIGO Solutions,

Bengaluru

Education:

BE: Computer Science & Engineering

(Alumnus, Batch 2018-19)

Er. Dileep Jain, Technology Lead at Infosys



Topic: SharePoint

Designation: Technology Lead at Infosys

Education:

BE: Department of Information Science & Engineering

(Alumnus, Batch 2011-12)

The schedule of the ATM - 2022 are as below:

PROGRAMME SCHEDULE

Day/Date	Time	Activity/ Topic	Name & Organization of Resource Person	Department	Alumni Batch	Participants	Venue
DAY-1 13/01/2022 (Thursday)	9:30-10:30 am	Inauguration by Mr. Sheraz, Alumni Association Member, Proprietor, Sunshine Traders, Moodabidri (Chief Guest) and Er. Puneeth S Kannaraya, Research Scholar, IISc, Bengaluru (Guest of Honour)					
	10.30am- 12.00pm	Significance of Research Activity for Students	Er. Puneeth S Kannaraya, Research Scholar IISc, Bengaluru	Mechanical Engineering	2010-11	ME and All Department Students (Selected Final Year)	Auditorium IV
	2.30pm- 3.30pm	Communication Skills and Career Guidance	Er. Anup Kumar, Civil Contractor/Writer, Bengaluru	Civil Engineering	2017-18	CV and All Department Students (Selected Third Year)	Auditorium IV
DAY-2 14/01/2022 (Friday)	11:30am- 1:00pm	A Journey from Aeronautics to IT Sales	Er. Ichith S, Project Specialist, Recyclofy, Mangalore.	Aeronautical Engineering	2015-16	AE Department Students	Auditorium IV
	9.30am- 12.00pm	Automotive Network Management	Er, Prasanna Kulal, Senior Validation Engineer, Robert Bosch, Bengaluru	Electronics & Communication Engineering	2015-16	EC Department Students	Auditorium III
	10:30- 11:30 am	Talent Acquisition	Mr. Sapan Kumar, Placement officer at East Point College, Bengaluru	Master of Business Administration	2018-19	MBA and All BE Department Students (Selected Third Year)	Auditorium IV
	9.30- 10.30am	Project Management in Civil Engineering Industry	Er. Tushar H Salian, Assistant Project Manager in Colliers International, Bengaluru	Civil Engineering	2016-17	Civil Engineering Students	Auditorium II
			Er. Sachin Kotian,				
DAY-2 14/01/2022 (Friday)	10.30- 11.30am	User Experience Design	Senior Systems Engineer at Infosys limited, Mysuru	Civil Engineering	2017-18	Civil Engineering Students	Auditorium II
	2.00- 3.30pm	Sharepoint	Er. Dileep Jain, Technology Lead at Infosys	Information Science & Engineering	2011-12	ISE Department Students	Placement Cell
	11.30am- 01.00pm	Microsoft Power BI (Visualization Tool)	Er. Dhruv Godhani, Senior Software Engineer, NOVIGO Solutions, Bengaluru	Computer Science and Engineering	2018-19	CSE and ISE Department Students	Auditorium II
	11.00am- 12.00pm	Exploring Insights of Manufacturing Industries	Er. Ashrith S Nigale Sr. Manager- Manufacturing Engineering, NPD & Sourcing, Rajamane Innovations	Mechanical Engineering	2015-16	ME Department Students	Auditorium I



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Cordially invite you to the Inaugural function of

Two Days Alumni Technothon – MITE (ATM-2022)

13th & 14th January, 2022

Thursday 13th January, 2022 Time: 9.30 am, **Venue: AUDI-IV**

The Chief Guest Mr. Sheraz

Alumni Association Member, Proprietor, Sunshine Traders, Moodabidri has kindly consented to inaugurate the function

Guest of Honour

Er. Puneeth S Kannaraya

Research Scholar, IISc, Bengaluru

&

Sri. Rajesh Chouta

Chairman & Founder, Rajalaxmi Education Trust®, Mangalore

will preside over the function

Dr. M S Ganesha Prasad Principal, MITE Dr. Jayaprakash M C Organizing Secretary Dr. Vinayambika S Bhat Organizing Chair

Teaching & Non Teaching Staff and Students



Inauguration of the Two days Alumni Technothon - MITE, the Chief Guest Mr. Sheraz, Alumni Association Member, Proprietor, Sunshine Traders, Moodabidri, highlighted the advantages of alumni interaction with students and institutions and the essential Code words to face the challenges in engineering life: How engineering plays a significant role in today's corporate world; How are the job opportunities for engineers. In his presidential remarks, Dr M S Ganesha Prasad, the Principal, MITE, emphasised that the alumni serve many valuable roles, such as helping build and grow an institution's brand through word-ofmouth marketing. For instance, positive posts on social media can create buzz and increase application rates. Colleges also rely on alumni to provide mentoring, internships, and career opportunities. Er. Puneeth S Kannaraya, Research Scholar, IISc, Bengaluru (Guest of Honour), Dr Vinayambika S Bhat, the Organizing chair, Convener Alumni Committee and Professor & Head, Department of Electronics & Communication Engineering were also present during the inaugural ceremony.

DAY - 1, 13th January 2022

Brief about the event:

SESSION-1

Resource Person: Er. Puneeth S Kannaraya, Research Scholar, IISc, Bengaluru.

Er. Puneeth S Kannaraya, Research Scholar, IISc, Bengaluru, delivered the session on "Exploring Insights of Manufacturing Industries". In his session, he has given in-depth knowledge to the students about the research. He defined research as careful consideration of study regarding a particular concern or problem using scientific methods. Later, he mentioned the importance of research as the gain of competitive edge, helps to develop innovation, offers detailed insights into market needs, helps to expand market footprint, improves creativity and cognitive ability, and improves knowledge.

He ailed the "smart manufacturing", where he mentioned the importance of smart manufacturing and the tool of smart manufacturing. He briefed design thinking, problembased learning, design pedagogy, digital human model, CAD nonlinear structures, Humancomputer interaction, Robotics and Haptic etc. He mentioned a few success stories in smart

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manufacturing by giving examples of Aina- The smart ring. Around 150 students from various branches participated during the session.

At the end of the session, the speaker was presented with a memento as a token of gratitude by Dr C R Rajashekar, Vice Principal, Head - Department of Mechanical Engineering.

SESSION-2

Resource Person: Er. Anup Kumar, Civil Contractor/ Writer, Bengaluru.

Profile of the Speaker: Er. Anup Kumar authored the book "Six in the evening" to relate millennials' mental health relationship with nature and promote domestic tourism. He is working on organic farming using vertical farming to grow cash crops effectively and sustainably. He also served as a Technical Support Associate for IBM, Bangalore, for one year. Worked at Guru Kripa Constructions, Mangalore as an engineer and sales representative for one year and three months. He hosted the Master of Ceremony of Bollywood concerts and ambassador of "Dekho Apna Desh", a project under the Ministry of Tourism, India.

Keynote address: Er. Anup Kumar addressed the students and highlighted the attitude of a professional engineer and professional challenges in the current scenario and the preparation scope to upgrade yourself to the requirements with respect to Confidence, Personality, Communication Skills, Body language, and technical skills. Juniors should concentrate more on their communication and presentation skills, which are vital for a bright career path. The audience had an enriching interaction with him and posed queries regarding various career options available after graduation. He also handed over around five books of "Six in the Evening" to the students authored by him. Around 88 students from various branches participated in the session.

At the end of the session, the speaker was presented with a memento as a token of gratitude by Dr Jayaprakash M C, Alumni Coordinator, Department of Civil Engineering.

DAY - 2, 14th January 2022

SESSION-3

Resource Person: Mr Sapan Kumar, Placement officer at East Point College, Bengaluru.

Mr. Sapan Kumar delivered the session on "Talent Acquisition". He started the session with the concept of "confidence", an essential skill required in students to get placed in a reputed firm. He focused on techniques of developing self-confidence and encouraged students with a few stories and examples. He also focused on grooming, an essential knowledge that every student must know about carrying themselves.

He also touched upon topics like the target companies to get placed to have a dream firm to feel belonging to the organisation. Proper planning ensures the right organisation, right position, and promising payment. He mentioned the significance of a Resume and highlighted the vital characteristic of a complete resume without mistakes, correct information about experience, exposure, etc. He also suggested knowing different roles available in the market for freshers, other designations for fresher's, etc.

Mr Sapan Kumar emphasised the significance of preparing for a personal interview. Here he mentioned preparing for the dream job. He stressed upon the 'point preparation for an interview'. He said that the preparation should be general and role-specific so that students are always ready to face an interview, which will encash all the opportunities coming their way. At last, he said the best preparation would be paid off in the form of a dream job, dream organisation and dream place. The session ended with a few interesting questions from students. Around 60 students from various branches participated in the session.

At the end of the session, the speaker was presented with a memento as a token of gratitude by Professor Jayadeva Prasad M, Head, Department of Master of Business Administration.

SESSION-4

Resource Person: Er. Prasanna Kulal, Senior Validation Engineer at Robert Bosch, Bangaluru.

Profile of the Speaker: Er. Prasanna Kulal started his journey in the corporate world as an Embedded Verification and Validation Engineer at Method Electronics India Pvt. Ltd., Bengaluru. He has six years of experience, and his expertise includes CAN (Control Area Network) protocol, I2C protocol, Unified Diagnostic Services, Basic CAPL programming, and Basic C programming. He has worked on projects, namely, 'The SUV (Tri-Zone Auto) module for GM OEM' and 'The PUSZM (Single-Zone Manual) module for GM OEM'. In addition to that, he has been certified for attending the harmonium exam at Akhil Bharathiya Gandharva Mahavidyalaya Mandal, Mumbai and participating in Yakshagana at state-level competitions.

Keynote Address: Er. Prasanna Kulal started the session by introducing the fundamentals of communication. He explained the standardised protocols that are used for communication. The speaker briefed about the methods of communication such as serial and parallel communication that is used for the transfer of digital data in terms of bits and bytes. He explained the Controller Area Network (CAN) Protocol introduced in automobiles. Each electronic device is connected to the other using wires, which is called as a point-to-point wiring. The speaker gave brief insights on Discrete Connections of ECU's (Electronic Control Unit) and Asynchronous Serial Communication. The overview of the protocol was explained by briefing about the various layers of communication used in the protocol. The speaker also quoted examples of inter and intra model communications used in vehicles. He also explained electromagnetic interference, the disturbance caused by the vehicles' external sources, which can be avoided using high-speed transceivers, twisted pairs, and shielded cables. He also discussed the industry usage of CAN protocol in vehicles. The session was further continued by briefing about the message signals, broadcasting, and prioritization of messages. The speaker said that CAN is not an address/node-oriented protocol, but it is a message-oriented protocol in which the high priority messages will be transmitted first. The priority will be decided based on the identifier. The lower the value of identifier, the higher will be the priority. The speaker then spoke about the flexibility of CAN protocol in which

the nodes can be connected and disconnected which will not affect the functionality of other nodes or networks.

The speaker also explained the concept of 'Multimaster' where multiple nodes can attempt to gain bus access. The node with a high priority message will win the arbitration. The node which wins the arbitration will be the master and gets the bus access for its message transmission. He also explained data frames used in the protocol and error handling in CAN protocol. The speaker concluded the session by focusing on the software and hardware tools used in the industry and provided brief insights on the industrial requirements in the automotive field. At the end of the session, a quick Q&A session was hosted to clear the doubts and queries. Around 90 students of 3rd and 4th year, Electronics & Communication Engineering attended, which benefited the students to gain more knowledge about the Industrial Automation Process.

At the end of the session, the speaker was presented with a memento as a token of gratitude by Dr Sri Krishna Shastri C, Associate Professor, Department of Electronics & Communication Engineering.

SESSION-5

Resource Person: Er. Tushar H Salian, Assistant Project Manager in Colliers International, Bengaluru.

Profile of the Speaker: Er. Tushar H Salian handled multiple projects from Initiation to Closeout, have been the account manager for HSBC Hyderabad and Bangalore, worked closely with the delivery lead on the delivery and Project Delivery Timelines, closely monitored the cash flow, coordinated with the client on the requirements, Coordinated with Architect/Consultants on the details, monitored quality and timeline, Instrumental in Design Development Process, Helped streamline value engineering mechanism for cost control. As a project engineer in "Colliers International", worked with the project manager on planning and scheduling activities, controlling documentation and approvals from Consultants/ Architect and clients, was Involved in Quantity verification at the site, involved in getting the approvals from the architect, Helped in BOQ preparation, Ratified pricing models of materials, Created alternative material and methodology specifications.

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Keynote Address: Er. Tushar H Salian has highlighted the Civil Engineering project management, dedication, work ethics, time-bound project work, and guidance on higher studies opportunities. Around 88 students from various branches participated in the session.

At the end of the session, the speaker was presented with a memento as a token of gratitude by Dr. Jayaprakash M C, Alumni Coordinator Department of Civil Engineering.

SESSION-6

Resource Person: Er. Sachin Kotian, Senior Systems Engineer at Infosys limited, Mysuru.

Profile of the Speaker: Er. Sachin Kotian, working as a UX Designer in Infosys, Mysuru, UX Designer – Finacle, Gathering and evaluating user requirements in collaboration with the product manager and presenting UX design concepts to the project stakeholders for review and feedback and driving the development and communication of clear design guidelines, patterns, libraries, and assets and working closely with the development team to implement the vision. Identify potential accessibility issues and recommend best practices based on W3C's Confidential 2.0 Migration of existing applications from sales force to Mendix (Low code platform) using Atlas UI Design System. Conceptualise and develop visually rich mockups, prototypes & UI assets by style guide standards. Created work flows, wire frames, prototypes, and other artefacts to describe the intended user experience, product and user guide. Contribution to develop a new design system specific to global foundries based on Atlas UI.

Keynote Address: Er. Sachin Kotian started his session on software-based applications, especially on UIX and its application in the software domain, with a few examples to operate the software. He also gave guidance to students on selecting the company, how to search the job, how the student resume should be framed, and whom to send the resume to get back the job vacancy reply. Around 47 students from the Civil and Information Science & Engineering departments participated.

At the end of the session, the speaker was presented with a memento as a token of gratitude by Dr Jayaprakash M C, Alumni Coordinator Department of Civil Engineering.

SESSION-7

Resource Person: Er. Dhruv Godhani, Senior Software Engineer, NOVIGO Solutions, Bengaluru.

Profile of the Speaker: Er. Dhruv Godhani, Senior Software Engineer, NOVIGO Solutions, Bengaluru. He started his carrier with Tieto Evry. He worked there for two years and currently working as a senior software Engineer for NAVIGO solutions.

Dhruv gave a hands-on session on the Microsoft Power BI visualisation tool. It started at 11.45 am and went on for 2 hours. He started with how to install Microsoft Power BI on any laptop. He gave a brief on the power of the visualisation tool and the advantage of using the same by prominent business entrepreneurs for the growth of the business.

Power BI is a collection of software services, apps, and connectors that work together to turn an unrelated source of data into coherent, visually immersive, and interactive insights. The data may be an Excel spreadsheet or a collection of cloud-based and on-premises hybrid data warehouses. Power BI lets anybody easily connect to the data sources, visualise and discover what's important, and share that with anyone or everyone needed.

The flow of work in Power BI: One typical workflow in Power BI begins by connecting to data sources in Power BI Desktop and building a report. The report is then published from Power BI Desktop to the Power BI service and shared to business users in the Power BI service and on mobile devices that can view and interact with the report.

This workflow is standard and shows how the three main Power BI elements complement one another. With Power BI Desktop, one can connect to many different data types. These sources include essential data sources, such as a Microsoft Excel file. One can connect to online services that contain all sorts of data, such as Sales force, Microsoft Dynamics, Azure Blob Storage, and many more.

The resource person shared a CSV file with participants and explained how to connect different data sets and get other visualisation. He ended by saying it's just the beginning of

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Microsoft Power BI; the students can explore and can share the knowledge with their friends. Around 50 students from Computer Science & Engineering participated in the session.

At the end of the session, the speaker was presented with a memento as a token of gratitude by the Head of the Department of Computer Science & Engineering Mr Ravinarayana B.

SESSION-8

Resource Person: Er. Ichith S, Project Specialist, Recyclofy, Mangalore.

Er. Ichith S, Project Specialist, Recyclofy, Mangalore, delivered a session on "A Journey from Aeronautics to IT Sales". He started his career as a Project Coordinator at HS Brands International Pvt. Ltd., Bangalore, from August 2016 –to September 2017. He shifted to Glow Touch Technologies, Mangalore as a Customer Support Specialist from November 2017 –to April 2019. He stepped as an entrepreneur by setting up a firm Recyclofy in 2019.

During the session, the speaker highlighted giving more emphasis on developing the inner strength in the students to face interviews. The session was interactive with the students, and many students clarified their views and opinions on facing interviews. The session further discussed the opportunities for Aeronautical engineers in IT sectors, especially in design and coding. The speaker also recommended a few commercial software to the students to have hands-on experience. Around 48 students from Aeronautical Engineering participated in the session.

At the end of the session, the speaker was presented with a memento as a token of gratitude by the Head of the Department, Dr G Purushotham, Department of Aeronautical Engineering.

SESSION-9

Resource Person: Er. Ashrith S Nigale, Sr. Manager-Manufacturing Engineering, NPD & Sourcing, Rajamane Innovations.

Er. Ashrith S Nigale has discussed the Manufacturing process and its types. He has given confidence to Mechanical Engineering students about the work culture and the opportunities

in the manufacturing industries. He explained the classification of manufacturing industries such as OEM, ODM; Component manufacturers, machine tool building and process industries. He has successfully made the road map for Mechanical Engineering students to manufacturing industries. Ashrith. Around 60 students of 2nd, 3rd and 4th year, Mechanical Engineering attended the session.

At the end of the session, the speaker was presented with a memento as a token of gratitude by Dr C R Rajashekar, Vice Principal, HoD, Department of Mechanical Engineering.

SESSION-10

Resource Person: Er. Dileep Jain, Technology Lead Engineer at Infosys.

Er. Dileep Jain presented his Talk on 'SharePoint' The Brief Abstract of the Talk is as below:

SharePoint is a website-based collaboration system that uses workflow applications, "list" databases, and other web parts and security features to empower business teams to work together. SharePoint also gives the company using the platform to control access to information and automate workflow processes across business units. SharePoint enables increased productivity and visibility for information workers across all verticals in large and small businesses.

For a website-based collaboration platform, SharePoint is easy to maintain and, at its fundamental level, easy for business users to understand. It is also infinitely customizable and massively scalable. There are many different ways businesses utilise the platform to realise increased productivity and return on investment. SharePoint has been integral in the past years in increasing working efficiency in fortune 500 companies as an "Intranet" platform that crosses all business sectors. The platform's many features make it much easier for people to work together on ad-hoc projects and establish standard business processes for information sharing, document publishing, and recording data. Features like security controls, coauthoring, versioning, and integration with Exchange (Outlook Email Applications) give business users the capability to do more in less time and maintain the integrity of the work they produce.

SharePoint provides a web-based space where users can upload a document to be immediately shared with other people who need to see it. They can also have their own storage space called a One Drive where no one can see a document or file they upload until they "share" or allow access to that document with other users. Also, Er. Dileep spoke about the various Skills that a Graduate needs to acquire to be better prepared for the Professional Career. He listed the latest Technologies that most of the companies expect the Graduates to be aware like - RPA, Sales force, Agile Development. Around 30 students of 3rd year, Information Science & Engineering attended the session.

At the end of the session, the speaker was presented with a memento as a token of gratitude by Professor Manjunath H, Head - Department of Information Science and Engineering.

Photographs:





Mr. Sheraz, Alumni Association Member, Proprietor, Sunshine Traders, Moodabidri, and Er. Puneeth S Kannaraya, Research Scholar, IISc, Bengaluru, Inaugurated the Two Days "Alumni Technothon-MITE" (ATM-2022) on 13th January 2022

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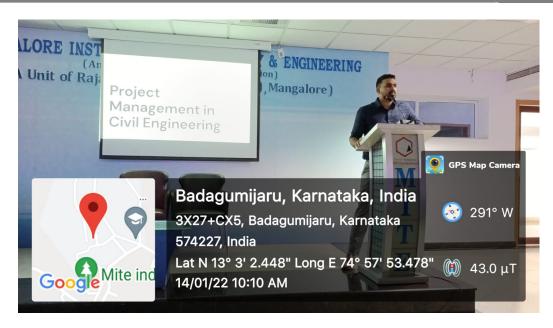


Er. Puneeth S Kannaraya, Research Scholar IISc, Bengaluru, delivering the session



Er. Anup Kumar, Civil Contractor/Writer, Bengaluru, has delivered the session on Communication Skills and Career Guidance

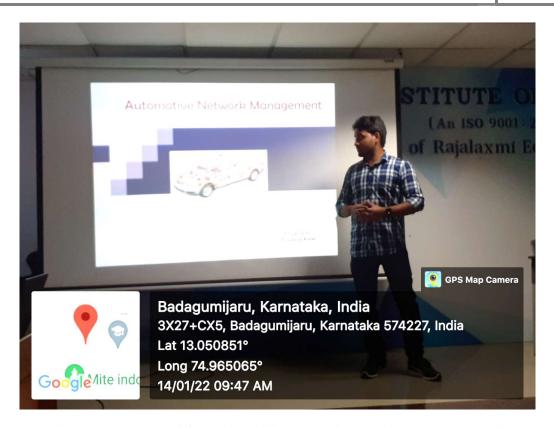
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Er. Tushar H Salian, Assistant Project Manager in Colliers International, Bengaluru, has delivered the session on Project Management in Civil Engineering Industry



Er. Sachin Kotian, Senior Systems Engineer at Infosys limited, Mysuru, has delivered the session on User Experience Design



Speaker Er. Prasanna Kulal, Senior Validation Engineer, Robert Bosch, Bengaluru, delivering a session on Automotive Network Management



Speaker Mr. Sapan Kumar, Placement officer at East Point College, Bengaluru, enlightened participants on the topic of Talent Acquisition



Speaker Er. Ichith S, Project Specialist, Recyclofy, Mangalore delivering a session on A Journey from Aeronautics to IT Sales



Hands-on Session by Er. Dhruv Godhani, Senior Software Engineer, NOVIGO Solutions, Bengaluru



Er. Ashrith S Nigale delivering the session on Exploring Insights of Manufacturing Industries



Er. Dileep Jain addressed the students on Share Point

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