



K.S. INSTITUTE OF TECHNOLOGY, BANGALORE – 560109

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
ENGINEERING

Data science and its applications in financial sector

Date of Conduction: 19th October 2023

Venue: AIML Seminar Hall

Time: 10.30AM-12:30AM

Duration: 2 hours

Sponsoring Bodies / Associating Organization: NIL

Mode of Conduction: Offline

Expert Details – with photo

1. **Name:** Dr. Arunkumar Kannur

Designation: Chief Strategy Officer, Innovation, Startups and Centre of Excellence

Organization: CMR University, Bangalore

Brief Profile about the Expert: Arunkumar Khannur is an internationally acclaimed Subject Matter Expert, master trainer, consultant, advisor, author, and serial entrepreneur. At present, he is working as Chief Strategy Officer at CMR University, Bengaluru, INDIA and engaged in creating institutional innovation eco-system, establishing startups, and establishing Centre of Excellences. Khannur has 35+ Years of blended Professional Experience in the Software Industry (24+ Years) and Academia (11+ Years). Earlier he worked for WIPRO, Logica, Planetasia, QAI, QSIT, ISQT, SDMCET, HKBK, and Dayananda Sagar University. He enjoys engaging himself in building innovation eco-system, helping startups, coaching, mentoring, and consulting. Mr. Khannur has global and cross-cultural work experience in 11 countries namely, India, China, Russia, Thailand, Singapore, Vietnam, Sri Lanka, Argentina, Malaysia, Indonesia, and Slovenia. UNIDO - United Nations Industrial Development Organization has recognized him as an International Expert on Software Quality and Engineering, and availed his services for an assignment in Russia.

Mr. Khannur has authored 7 technical books; published 3 Scopus indexed papers; organized more than 300 conferences; delivered Key Notes across the world in many countries; and also contributed to World Bank-funded TEQIP-I, TEQIP-II, and NAAC as a consultant. He executed 100+ large projects in software development, software testing, and the World Bank-funded training programs.





Description of the Event:

The event began with the speaker Prof. Arunkumar Kannur, Chief Strategy Officer, Innovation, Startups and Centre of Excellence, CMR University being welcomed by HoD of Artificial Intelligence and Machine Learning, Dr. Vijayalaxmi Mekali.

The speaker Prof. Arunkumar Kannur, started the session by asking a critical thinking question on “What is Data Science?” where participants were encouraged to come up with their own understanding. The speaker later elaborated on the rise in demand for financial data scientists in the upcoming years. A case study on Fintech tool was explored to understand different operations to be performed to understand financial datasets.

Objectives / Key Highlights:

- To provide students an insight into fundamentals of Data Science in finance
- To encourage students with an opportunity to build a career in Data science pertaining to financial sector

Participant details –

No. of Participants: 47

Students (internal/external): Internal, 42, 7th semester students

Faculty: AIML Department Faculties: Dr. Vijayalaxmi Mekali, Dr. Amulyashree S, Prof. Roopa K Murthy, Prof. Lakshmi KK, Prof. Usha CR,

Photos (Geo Tagged) :



Figure 1: Welcome address



Figure 2: The speaker addressing the students



Figure 3: The speaker addressing the doubts of students

Video-url (if any): NIL

Outcomes / Benefits:

- Helping students in understanding the fundamentals of data science
- Helping students in understanding Fintech tool
- Helping students in focusing on one domain area in AIML

Attachments:

1. Communication with Resources person
2. Resources person Profile
3. Evaluation and Feedback
4. Budget and Expenditure Details/amount

CO/PO&PSO mapping

CO/PO&PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
CO1	2	2	2	-	-	2	2	-	2	-	-	2	1	1
CO2	2	2	2	-	-	2	2	-	2	-	-	2	1	1
CO3	2	2	2	-	-	2	2	-	2	-	-	2	1	1
CO4	2	2	2	-	-	2	2	-	2	-	-	2	1	1
CO5	2	2	2	-	-	2	2	-	2	-	-	2	1	1


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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Session on IoT Ideathon Workshop

Date of Conduction: 22nd November 2023

Venue: K.S Institute of Technology, Bengaluru

Session 1: 9:30 am to 12:30 pm

Session 2: 1:30 pm to 4:30 pm

Duration: 06 Hours

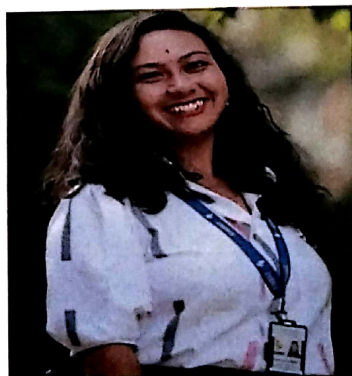
Sponsoring Bodies / Associating Organization: NIL

Name: Ms. Bhavani Sankari V

Designation: Trainer

Organization: Cranes Varsity

Profile: Ms. Bhavani Sankari V a domain expert, corporate trainer in the field of Data Science and IoT having 5 years of Strong technical expertise in consulting and training. Expert in Data Science, Python, Machine Learning, Data Analysis and Visualization, Deep learning, and IoT. A Trainer has trained around 3500 Man hours of training experience and successfully trained around 1000 engineering graduates and working professionals in Linux and IoT. A Trainer is Proficient in working on Raspberry Pi, Arduino, Microcontrollers, IoT, Linux, and Device Drivers. A Trainer has conducted Successful Training on Basic and Advanced Level Python Programming, Python Unit Testing, IoT Edge Node & Gateway, Linux and device drivers etc



Description of the Event: The event began with the Trainer Ms. Bhavani Sankari V being welcomed by HoD of Artificial Intelligence and Machine Learning, Dr. Vijayalaxmi Mekali.

Session 1: The Trainer Ms. Bhavani Sankari V, started the session with the basic fundamental concepts of IoT, Importance of IoT where participants were encouraged to come up with their own understanding. The Trainer discussed about the Technologies that makes IoT Possible. The Trainer later on gave an insight on examples of real time applications on IoT.

The Trainer gave description on the risks and the challenges involved in IoT and the future of IoT. The students were given an information on the types of the sensors used for developing an IoT Project. The Session on IoT Ideathon workshop was a brainstorming session where students gained knowledge on IoT fundamentals, gave an idea for solving problems in IoT and to build projects on IoT and the students were encouraged to build their careers in these fields by adding a touch of innovation and novelty which could impact the society in a positive approach. Students were asked to find the ideas on project and to present it in the session 2.

Session 2: Students have formed a group of around 4 to 5 and came with the idea of IoT Project and gave presentation on the same. The list of the project is as follows.

Sl. No	IoT Projects Idea
1	Home Automation
2	Health Monitoring System
3	Gas Leak Detection
4	Visitors Counter
5	Home Security System
6	Smoke Detection
7	Smart Parking Automation
8	Smart Door Lock System
9	Wifi Rover
10	Smart Waste Management
11	Motion Detector
12	Automation for Smart Accessibility
13	Security Breach Alert System
14	Smart Irrigation System

Objectives / Key Highlights:

- To provide students an insight into solving problems on IoT.
- To encourage students to come up with the ideas for the given problem integrating IoT and AI.

Participant details - No. of Participants: 67

Students (internal/external): Internal

Photos (Geo Tagged) :



Figure 1: A Session on IoT



Figure 2: A Session on Ideathon Workshop

Event Outcomes :

EO#	EVENT OUTCOMES
EO1	Understanding the fundamentals of IoT Concepts and its components such as sensors, actuators, connectivity and data processing.
EO2	Understanding the applications of IoT in various domains like healthcare, agriculture, Industrial automation.
EO3	Develop skills to design and implement a basic IoT Project considering factors like cost, scalability and utility.

EO/PO&PSO mapping

EO/PO/PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
EO1	2	2	2	-	-	2	2	-	2	-	-	2	1	1
EO2	2	2	2	-	-	2	2	-	2	-	-	2	1	1
EO3	2	2	2	-	-	2	2	-	2	-	-	2	1	1

3	Substantial (High) Correlation
2	Moderate (Medium) Correlation
1	Slight (Low) Correlation
-	No Correlation

PO's attained: PO1, PO2, PO3, PO6, PO7, PO9, PO12

PSO's attained: PSO1, PSO2

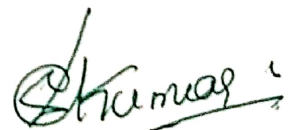


Internship Coordinator



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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
ENGINEERING**

Effective ways to prepare a research paper

Date of Conduction: 25th November 2023

Venue: AIML Seminar Hall

Time: 10.30AM-1:30AM

Sp, Duration: 3 hours

Sponsoring Bodies / Associating Organization: NIL

Mode of Conduction: Offline

Expert Details – with photo

1. Name: Dr. Deepa SR

Designation: Professor and Head, Computer Science and Design (CSD)

Organization: KS Institute of Technology

Brief Profile about the Expert: Dr. Deepa SR is currently working as Professor and Head, Computer Science and Design (CSD) Department in KS Institute of Technology. She has an experience of 20 years in teaching with an expertise in Wireless Sensor Network, IoT and Machine learning. She has completed her PhD in the year 2020 from VIT, Chennai and received Pratibha Puraskara award for the same.



2. Name: Dr. Amulyashree S

Designation: Assistant Professor, Artificial Intelligence and Machine Learning (AIML)

Organization: KS Institute of Technology

Brief Profile about the Expert: Dr. Amulyashree S is currently working as Assistant Professor, Artificial Intelligence and Machine Learning Department in KS Institute of Technology. She has an expertise in Machine learning, Network Science and Bioinformatics. She has completed her PhD in the year 2022 from VTU, Belgaum.





Description of the Event:

The event was commenced by introducing the experts to the event. The event was started by focusing on the importance of research in today's scenario. In particular, the event focused on the steps required for writing a research paper. The steps required were highlighted with real time examples to help students in preparing a scientific paper. Also, the importance of plagiarism in paper publication was discussed. The event was concluded by appreciating the experts for enlightening students towards research activities.

Objectives / Key Highlights:

- To highlight the steps for writing a research paper
- To help students in understanding the importance of research
- To guide students to write scientific papers
- To enhance research activities among students

Participant details –

No. of Participants: 47

Students (internal/external): Internal, 42, 7th semester students

Faculty: AIML Department Faculties: Dr. Vijayalaxmi Mekali, Prof. Roopa K Murthy, Prof. Nagbushan Pandarinath, Prof. Usha CR, Prof. Prapti Bhattacharjee

Photos (Geo Tagged) :

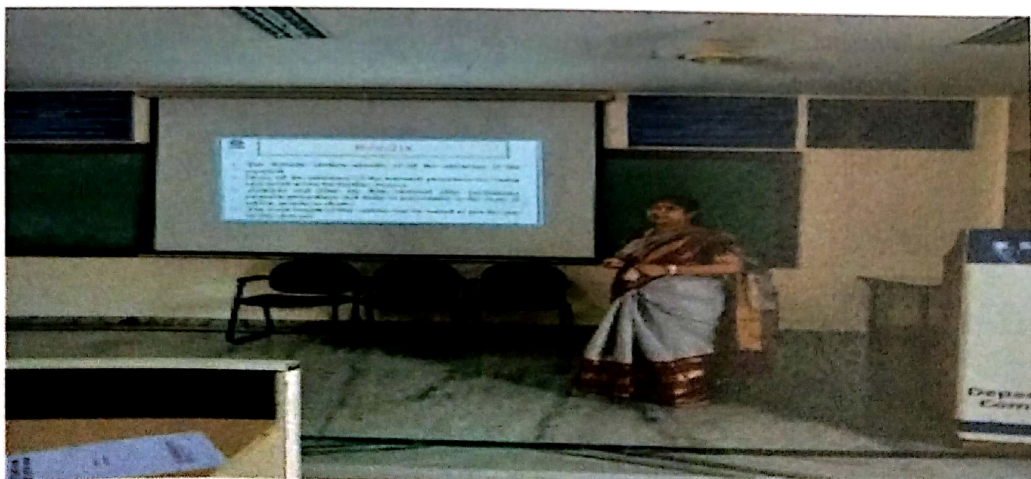


Fig 1: Expert talk on research

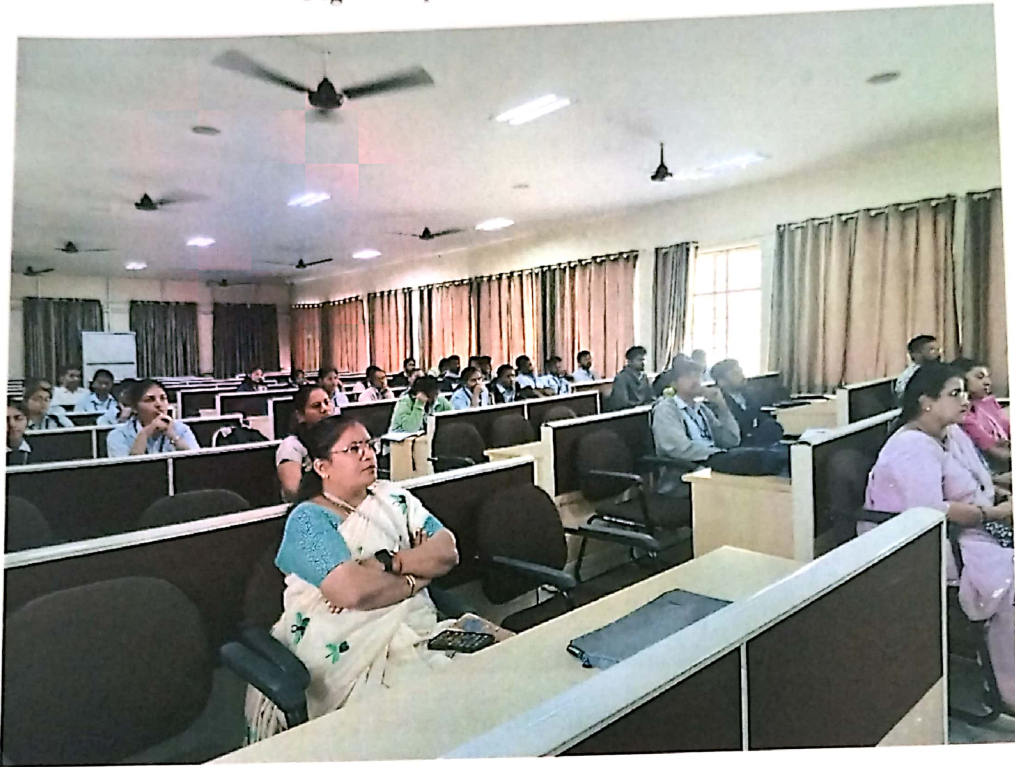


Fig 2: Audience participation in the event



Fig 3: Appreciation of expert by HoD



Fig 4: Appreciation of expert by HoD

Video-url (if any): NIL

Outcomes / Benefits:

- Helping students in understanding the fundamentals of research
- Helping students in designing research papers
- Helping students in publishing papers in prevalent conference, journals and book chapters

Attachments:

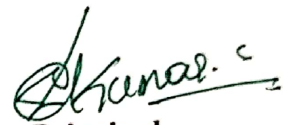
1. **Communication with Resources person**
2. **Resources person Profile**
3. **Evaluation and Feedback**
4. **Budget and Expenditure Details/amount**

CO/PO&PSO mapping

CO/PO&PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
CO1	2	2	2	-	-	2	2	-	2	-	-	2	1	1
CO2	2	2	2	-	-	2	2	-	2	-	-	2	1	1
CO3	2	2	2	-	-	2	2	-	2	-	-	2	1	1
CO4	2	2	2	-	-	2	2	-	2	-	-	2	1	1
CO5	2	2	2	-	-	2	2	-	2	-	-	2	1	1


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INDUSTRY INSTITUTE INTERACTION CELL
&
DEPARTMENT OF CSD, ME & AIML

Seminar on "Study Abroad"

Date of Conduction: 20th June 2024

Venue: KSIT Seminar Hall, Ground Floor

Time: 02.00PM -04.00PM

Duration: 02 Hours

Associating Organization: Internshala in partnership with ETS India and iSchoolConnect



Expert Details - with photo



Name: Mr. Vaibhav Gupta
Designation: Co-founder and training faculty
Organization: iSchoolConnect, Mumbai



Name: Mr. Naveen Kumar
Designation: Senior Business Development Manager
Organization: ETS India, Chennai

Brief Profile about the Expert: Mr. Vaibhav Gupta

With 7+ years of experience and an entrepreneurial mindset, Vaibhav have been fortunate to work with several multi-million clients. He enjoy using analytical and creative chops equally to lead a product from concept to launch at scale, drive growth initiatives, and craft compelling storytelling for consumer marketing campaigns. He loves working with smart people and thrive on solving interesting business challenges. Specialties: Product Marketing, New product launches, Brand positioning and messaging, Go-to-Market, Demand Generation, Customer acquisition, Life cycle marketing, Consumer marketing campaigns.

Brief Profile about the Expert: Mr. Naveen Kumar

He is having 7+ years of experience in training the candidates planning to peruse higher education in US, UK, Germany and other developed countries. His expertise is higher education counseling and visa management at ETS India, Chennai.



Description of the Event:

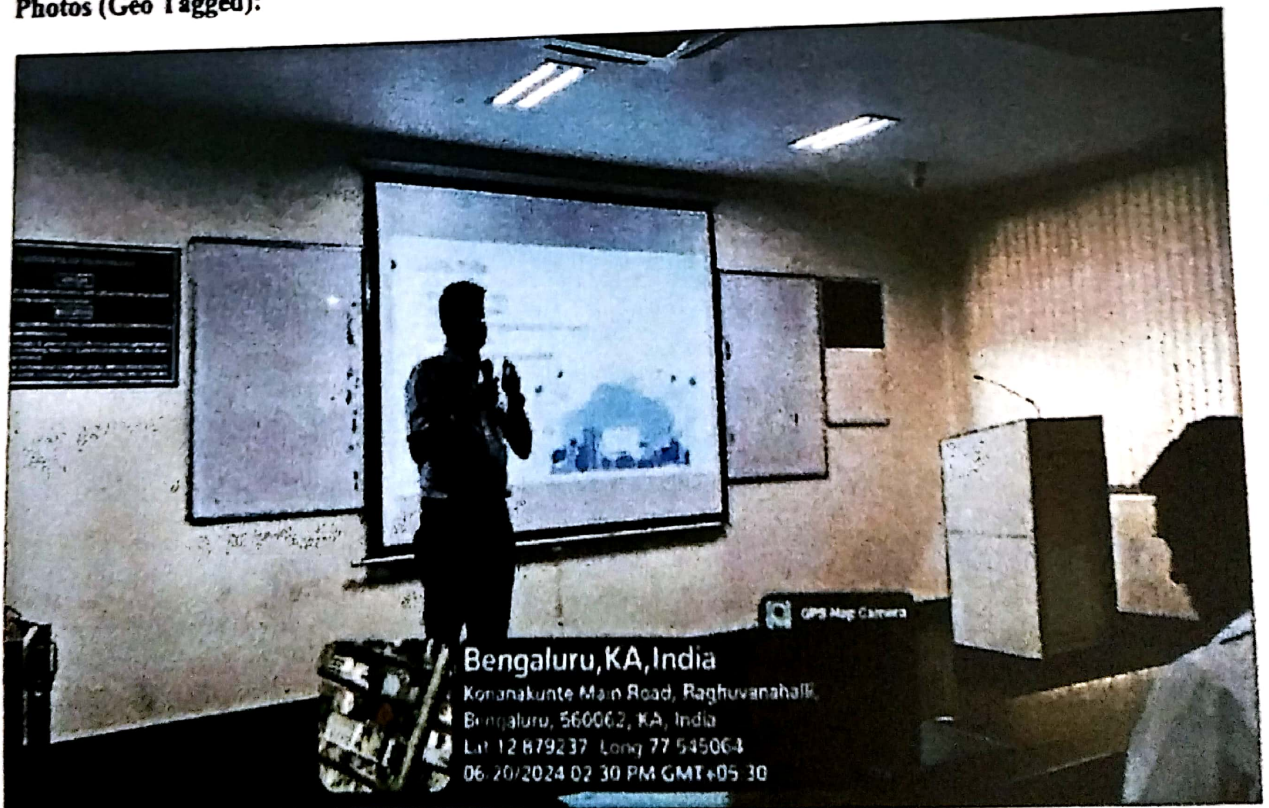
In order to explore scholarship opportunities at various universities of foreign countries and preparation for entrance exams, Industry Institute Interaction Cell (IIIC) in association with Department of CSD, AIML & ME organized a seminar on the said title for VI semester students on 20th June 2024 in seminar Hall, KSIT at 2:00PM. The program started with welcoming the resource person Mr. Vaibhav Guptha and Naveen Kumar with a bouquet by Dr. Dilip Kumar K, Principal-KSIT. Mr. Rajesh G.L, Chief coordinator - IIIC outlined the objectives of the "Study abroad" seminar. Mr. Vaibhav briefed about how to search for universities and work while studying abroad. He also explained how to apply for visa at different countries and its procedures. The prerequisite for GRE and TOEFL exams were described by Mr. Naveen Kumar and interacted with students. Few students showed interest and collected the necessary details on foreign universities. Further, program ended with vote of thanks by Mr. Rajesh G.L at 04:00PM.

Objectives / Key Highlights: Understand

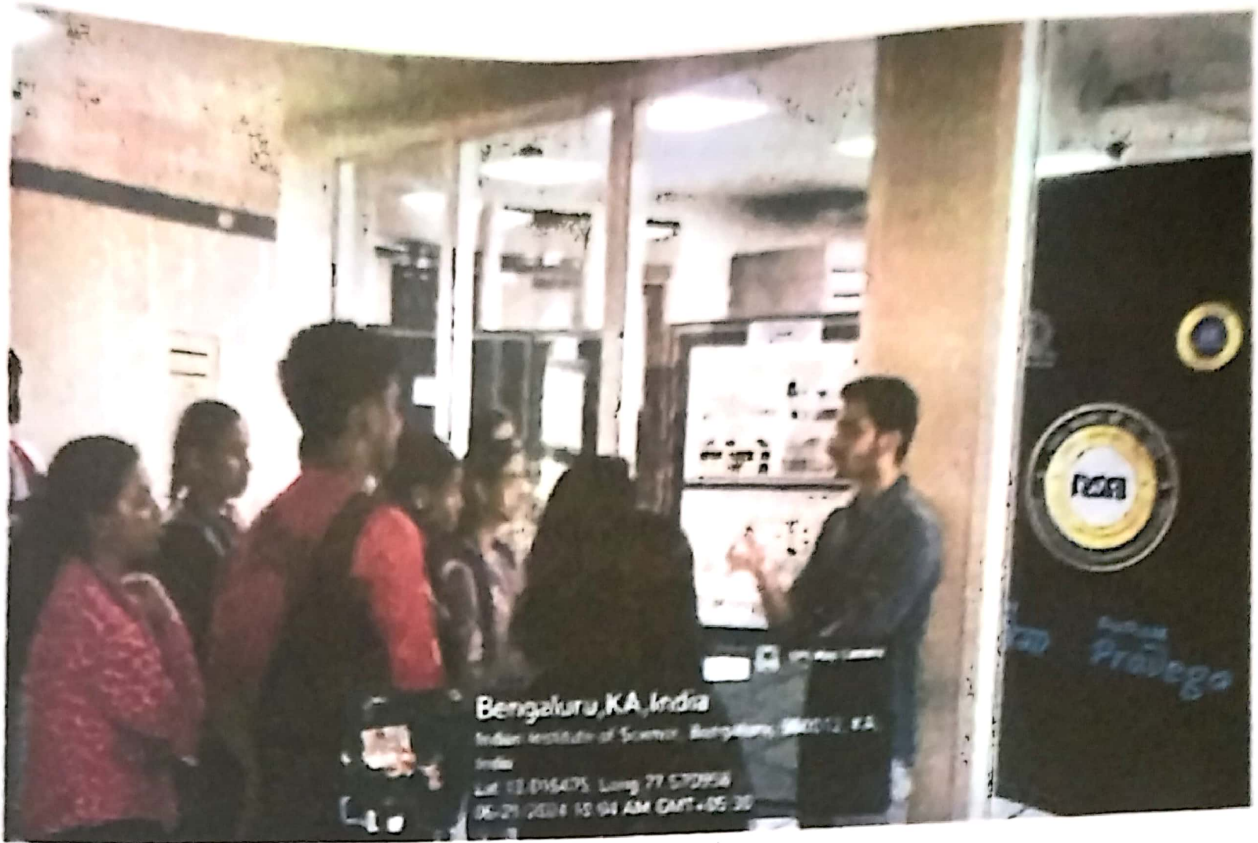
- How to find the right college/university
- How to successfully get a visa
- How to get a scholarship and manage finances while studying abroad
- How to score well on GRE & TOEFL

Participant details - No. of Participants: 70
Students (internal/external): Internal (CSD, AIML, ME) - 70
Faculty: Rajesh G.L, IIIC.

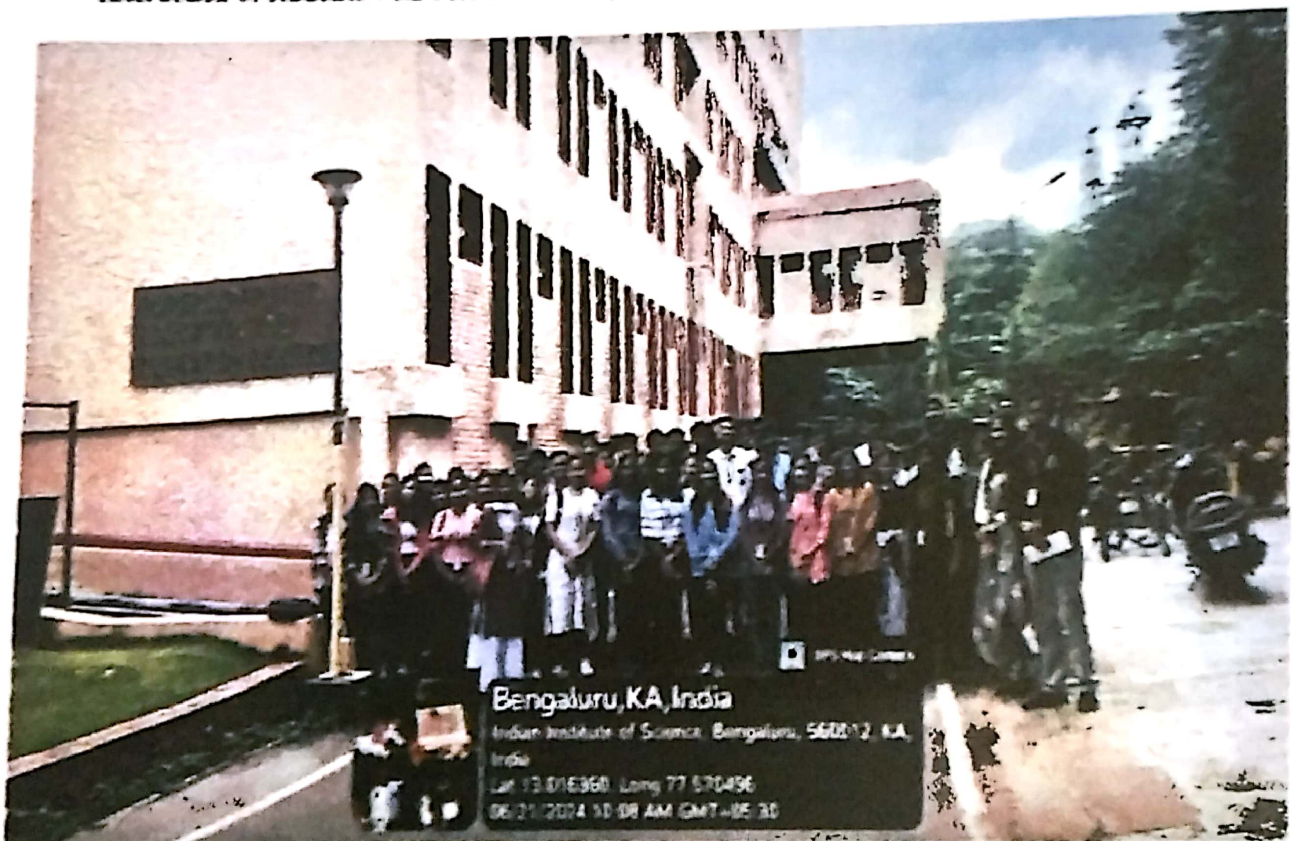
Photos (Geo Tagged):



Mr. Vaibhav Guptha briefing about higher education and visa management



Interaction of students with Mr. Trivikram, Software Developer & research scholar @SERC



At Supercomputer Education & Research Centre (SERC), Indian Institute of Science (IISc)

Outcomes / Benefits:

- Students explored on supercomputer applications and delta clusters.
- Understood the future scope and influence of supercomputers in current scenario

Attachments:

1. Communication with Industry
2. Industry visit circular and transport arrangement request letter
3. Feedback

CO/PO&PSO mapping - AI & ML

CO/PO&PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
Industry visit	-	-	-	-	02	-	-	-	-	-	-	-	-	02
Average	-	-	-	-	02	-	-	-	-	-	-	-	-	02

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PSO2: Ability to use the inculcated experiential learning for research and development activities in compliance with National Education Policy.

Mr. Rajesh G.L

Chief Coordinator - IIIC

Industry Institute Interaction Cell (IIIC)
K. S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109

Dr. Vijayalaxmi Mekali

Head - AI & ML

Head of the Department
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K.S. Institute of Technology
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Dr. Dilip Kumar K

Principal, KSIT

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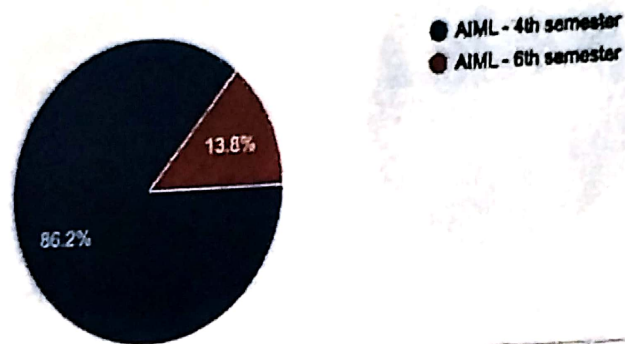
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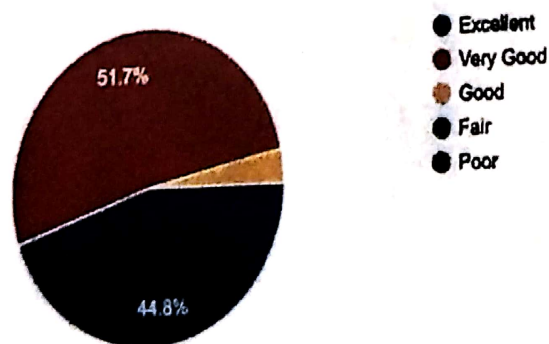
29 responses

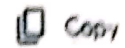


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1. Clarity of Information and presentation by speaker

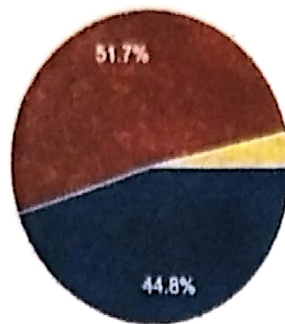
29 responses



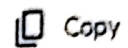


2. Relevance of information to the students of AIML

29 responses



- Excellent
- Very Good
- Good
- Fair
- Poor

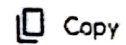


3. Did this seminar make you think about innovation in the field and therefore, broaden your horizons in engineering?

29 responses

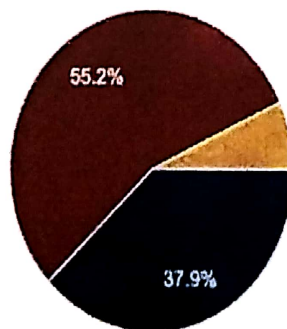


- YES
- NO



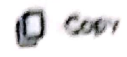
4. How useful did you think this event was for you?

29 responses



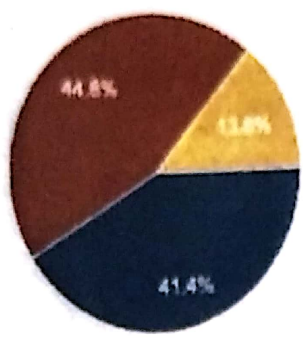
- Extremely useful
- Very useful
- Moderately useful
- Slightly useful
- Not at all useful



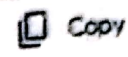


5. Interaction of speaker with the participants

29 responses

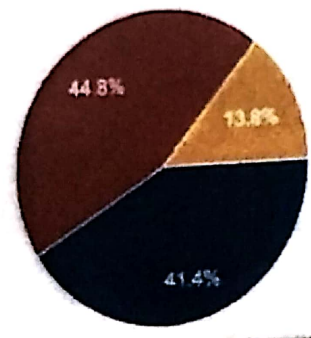


- Excellent
- Very Good
- Good
- Fair
- Poor

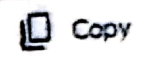


6. How was the event organized?

29 responses

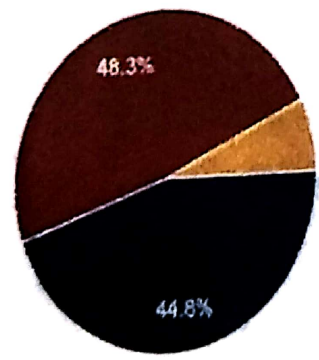


- Excellent
- Very Good
- Good
- Fair
- Poor



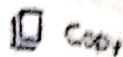
7. How satisfied are you about the event?

29 responses



- Extremely satisfied
- Very satisfied
- Neutral
- Dissatisfied
- Very Dissatisfied



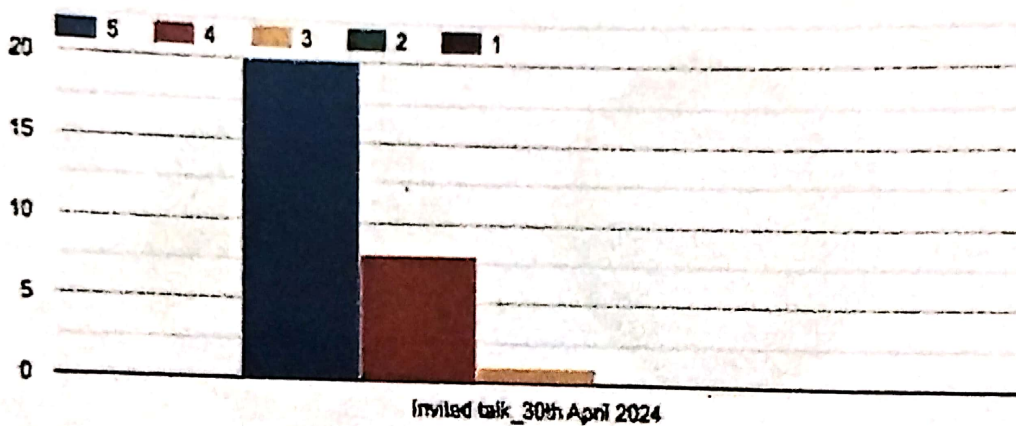
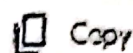


8. Would you like to attend similar events in future?

29 responses



9. Overall Rating of the event



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