BNM Institute of Technology

An autonomous Institution under VTU

List of Events Organized during 2025-26

Sl No	Event Name	Date	No.of Participants
1	Two-Day Hands-On Workshop on No Code Agentic AI: From LLM Foundations to Autonomous Systems	30-01-2026	130
2	Technical Talk on Security and AI	30-01-2026	80
3	Python Workshop on Pandas , Matplotlib	23-12-2025	120
4	Linkedin Awareness Session	11-10-2025	80
5	C++ Hackathon	24-09-2025	133
6	Student Outreach Programme	31-07-2025	600
7	Industrial Visit to BMRCL	16-07-2025	63
8	Virtuation - AR/VR Hackathon	28-04-2025	74
9	LTI Mindtree-Workshop on Snowflake for Data Science	28-04-2025	36
10	Data Analytics using Computational Intelligence Workshop	25-04-2025	86
11	Technical talk on Computational Intelligence - Advancements and Challenges	12-04-2025	100

IEEE CIS BNMIT Office Bearers

Sl No	Name	Posistion Held
1	Rakesh Bhatt	Chair
2	Suvedya	Vice-Chair
3	Sampoorna Kashyap	Secretary
4	Nischala G.S	Joint Secretary
5	Sneha Nair	Treasurer
6	Tanisha S.Y	Web Master

Faculty Advisor : Dr Nagarathna C.R

Report on Two-Day Hands-On Workshop on "No Code Agentic AI: From LLM Foundations to Autonomous Systems"

The IEEE Computational Intelligence Society (CIS) Student Branch successfully organized a Two-Day Hands-On Workshop on "No Code Agentic AI: From LLM Foundations to Autonomous Systems." The workshop was conducted by Mr. Dinesh Rajgopalan, AI Chief Architect at IBM, an accomplished expert in Artificial Intelligence and enterprise AI systems. The objective of the workshop was to provide participants with practical exposure to the emerging concept of Agentic AI systems and demonstrate how intelligent autonomous systems can be developed using no-code and low-code AI platforms.

The session began with an introduction to the fundamentals of Large Language Models (LLMs) and their role in modern AI applications. Mr. Rajgopalan explained how LLMs such as GPT-based models enable machines to understand natural language, reason over information, and perform complex tasks with minimal human intervention. Participants were introduced to the concept of Agentic AI, where AI agents are capable of planning, decision-making, and executing tasks autonomously by interacting with multiple tools and data sources.

During the workshop, the speaker demonstrated how no-code platforms and AI orchestration tools can be used to design intelligent agents without requiring extensive programming knowledge. Participants explored practical workflows for building AI-powered systems that can automate tasks such as information retrieval, workflow management, and decision support. Through interactive demonstrations and guided exercises, students gained insights into how AI agents can collaborate, utilize APIs, and dynamically respond to user queries or system inputs.

The workshop also highlighted real-world applications of Agentic AI, including enterprise automation, intelligent customer support systems, research assistants, and data-driven decision-making platforms. Mr. Rajgopalan emphasized the importance of understanding AI architecture, responsible AI practices, and ethical considerations when designing autonomous systems.

The hands-on sessions allowed participants to experiment with AI tools, observe how autonomous agents operate, and understand how LLMs can be integrated into scalable systems. The workshop concluded with an interactive discussion where students engaged with the speaker on topics such as future trends in AI agents, career opportunities in AI engineering, and the growing role of intelligent automation in industries.

Overall, the workshop provided valuable exposure to next-generation AI technologies, equipping participants with foundational knowledge and practical insights into building Agentic AI systems using modern AI tools and platforms. The event successfully inspired students to explore further research and innovation in the rapidly evolving domain of Artificial Intelligence and autonomous systems.

Report on Technical Talk: "Security and Artificial Intelligence"

On 30-01-2026, the IEEE Computational Intelligence Society (CIS) Student Branch organized an insightful technical talk on "Security and Artificial Intelligence." The session was delivered by Mr. Ananth from Pragya Cyber, an experienced professional in the field of cybersecurity and emerging technologies. The objective of the talk was to introduce students to the evolving intersection of Artificial Intelligence (AI) and cybersecurity, and to highlight how intelligent systems are transforming modern security frameworks.

The session began with an overview of the growing cybersecurity challenges in the digital era, including sophisticated cyberattacks, data breaches, ransomware, and social engineering threats. Mr. Ananth explained how traditional security systems often struggle to detect advanced and rapidly evolving threats. He then introduced the concept of Artificial Intelligence in cybersecurity, emphasizing how AI techniques such as machine learning, anomaly detection, and behavioral analysis can significantly enhance threat detection and response capabilities.

During the talk, participants were introduced to several real-world applications of AI in security, including intelligent malware detection, automated threat monitoring, fraud detection systems, and predictive analytics for identifying potential vulnerabilities before they can be exploited. Mr. Ananth also discussed how AI-powered systems can analyze vast amounts of network data in real time to detect unusual patterns and prevent cyberattacks more efficiently than conventional approaches.

The speaker further highlighted the importance of ethical considerations and responsible AI usage in cybersecurity. Students were encouraged to develop strong foundations in both AI technologies and cybersecurity principles to address future digital security challenges. Practical insights were also shared regarding career opportunities, required skill sets, and the growing demand for professionals who possess expertise in AI-driven security solutions.The interactive session concluded with a Q&A segment, where students actively engaged with the speaker and clarified their doubts regarding AI applications in cybersecurity, industry trends, and future research directions.

Overall, the technical talk provided valuable exposure to the synergy between Artificial Intelligence and cybersecurity, helping participants understand how intelligent technologies are shaping the future of digital security. The session was highly informative and motivated students to explore further research and innovation in AI-enabled security systems.

Report on : Python Workshop on Pandas , Numpy and Matplotlib

On **23rd December 2025**, the IEEE Computational Intelligence Society (CIS) Student Branch organized a hands-on workshop on **Introduction to NumPy, Pandas, and Matplotlib**, aimed at providing students with a foundational understanding of Python-based data analysis and visualization. The session began with an overview of Python's data ecosystem and the real-world relevance of NumPy, Pandas, and Matplotlib. Participants were guided through setting up their development environment using **Jupyter Notebook, Google Colab, and Visual Studio Code (VS Code)**, and were introduced to importing libraries and referring to official documentation.

The workshop then focused on **NumPy for numerical computation**, where participants learned to create and manipulate **1D and 2D arrays**, generate special arrays, and perform core operations such as **reshaping, indexing, slicing, broadcasting, and basic statistical calculations**. This was followed by an introduction to **Pandas**, covering **Series and DataFrames**, data creation from multiple sources, reading external datasets, and performing initial data exploration.

Further sessions emphasized **data cleaning, manipulation, and aggregation**, including handling missing values, filtering and transforming data, grouping and summarizing datasets, and integrating multiple datasets using practical examples. The workshop concluded with **data visualization using Matplotlib and Pandas**, where participants created and customized various plots to effectively represent data insights.

Overall, the workshop successfully provided practical exposure to essential Python data libraries and tools, strengthening participants' understanding of data analysis workflows and encouraging further exploration in data-driven applications.
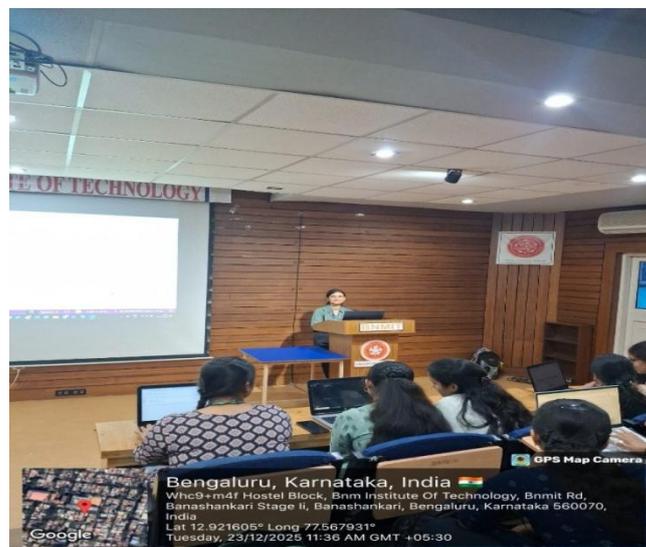
Report on : LinkedIn Awareness & Profile Building Session

On 11/10/2025, the IEEE Computational Intelligence Society (CIS) Student Chapter of BNMIT organized an insightful and interactive session on LinkedIn awareness and professional profile building, designed to guide students in creating impactful digital identities. The session was delivered by the Secretary of IEEE CIS BNMIT, who drew from personal experience and professional expertise to highlight the importance of cultivating a strong online presence in today's competitive world.

The speaker began by introducing LinkedIn as more than just a job search tool, emphasizing its significance as a global professional networking platform that connects students, industry experts, and organizations. The session underscored how a thoughtfully curated profile can function as a personal brand, opening doors to opportunities in internships, collaborations, and career advancement.

A detailed walkthrough of LinkedIn's features was provided, covering essential aspects such as crafting an eye-catching headline, writing a compelling summary, and maintaining well-structured sections for skills, education, projects, and certifications. The importance of having a professional profile photograph and banner image was also highlighted as a first step toward creating a strong impression. The speaker further discussed the value of networking on LinkedIn, encouraging students to send personalized connection requests, follow industry leaders, and actively engage with posts and discussions to remain visible and relevant.

An important part of the session revolved around profile maintenance, where students were reminded to regularly update their profiles with new skills, achievements, and experiences to reflect their professional growth. The speaker also stressed on the importance of meaningful engagement—whether through publishing articles, sharing insights, or endorsing peers—to build credibility within the professional community.
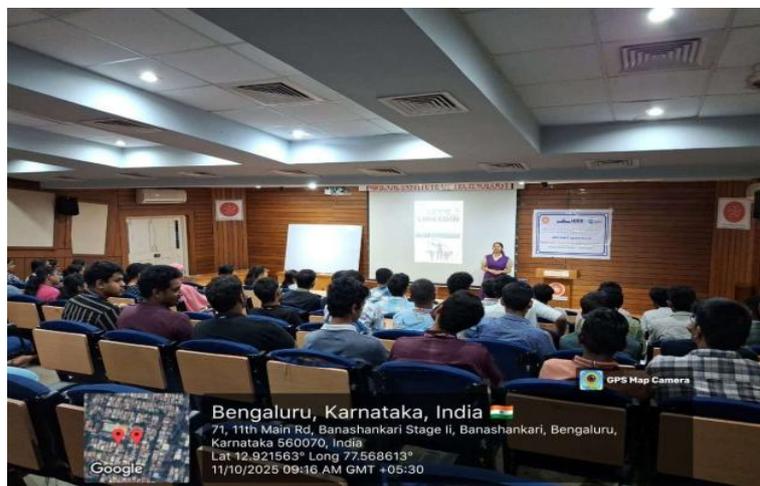
Event Report: IEEE CIS C++ Hackathon

Organized by IEEE CIS BNMIT | 24th September 2025 | BNMIT , Bangalore

The IEEE Computational Intelligence Society (CIS) Student Branch Chapter organized a **C++ Hackathon** exclusively for **3rd semester students** as part of their ongoing internship program. The event was designed to strengthen the participants' programming foundation, encourage problem-solving abilities, and foster teamwork among budding engineers.The hackathon focused on real-world problem statements where students applied **core concepts of C++ such as object-oriented programming, data structures, algorithms, memory management, and STL libraries**.

The hackathon not only provided students with hands-on exposure but also helped bridge the gap between theoretical concepts and practical applications. Faculty mentors and senior AIML students guided the teams, ensuring they developed both technical and collaborative skills. The event also featured evaluation rounds where solutions were assessed for **code efficiency, logic, readability, and innovation**.Participants showcased creativity in solving algorithmic challenges and demonstrated strong analytical skills. The event concluded with presentations where each team explained their approach, optimization strategies, and potential applications of their solutions. The best-performing teams were recognized and awarded certificates of achievement.

The hackathon was highly beneficial in preparing students for future technical competitions, internships, and placements, while simultaneously building confidence in coding and problem-solving. It also fostered a spirit of innovation and peer learning, aligning with the IEEE CIS vision of promoting computational intelligence among young engineers.
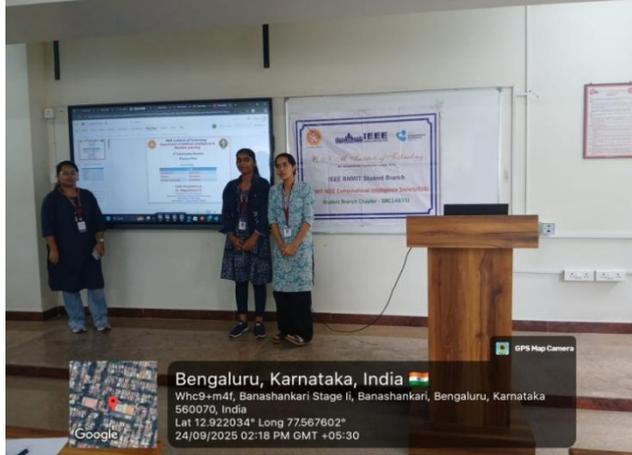
Event Report: Student Outreach Program

Organized by IEEE CIS BNMIT | July 31st 2025 | BNMIT , Bangalore

The Student Outreach Program organized by IEEE CIS BNMIT on July 31st, 2025, at BNMIT, Bangalore, was a meaningful and interactive event that brought together third-year engineering students and school children from BNM School, ranging from grades 6 to 12. As part of the initiative, several of us third-year students had the opportunity to exhibit our academic projects and present them to the visiting students. We explained how our projects worked, the technology behind them, and the real-world problems they aimed to solve. The session turned out to be highly engaging, as the school students showed great interest, asked questions, and interacted with us throughout the event.

The following were the projects presented during the program:

SL No	Project Presenters	USN	Project Details
1	Nischala G.S, Twisha G	1BG22AI067, 1BG23AI115	**TinyGPT – A GPT-like transformer architecture capable of text-to-text and text-to-audio conversations.**
2	Vedant Jain, Vibha Kashyap	1BG23AI121, 1BG23AI122	**A genetic algorithm for optimal ship routing in the Indian Ocean Region.**
3	Tanisha S Y	1BG23AI112	**Using ML to predict crops for a particular soil type.**
4	Sneha Nair	1BG23AI100	**Data Leak Prevention System.**
5	Lahari V Ravindranath, Syeda Almas Anjum, Rathnapriya	1BG22AI047, 1BG23AI110, 1BG23AI082	**BioSculpt – A healthcare innovation that converts 2D CT images into detailed 3D anatomical models.**
6	Shreya Vutti, Hanishya Pelleti, Ariba	1BG22AI098 1BG23AI126,	**Driven by Design – High-detail 3D models of realistic supercars created using Blender.**

Hurrain Hussain	1BG23AI127		

The atmosphere was energetic and filled with curiosity, as the young students explored the various exhibits and participated in discussions. Each explanation was tailored to be understandable to school-level students, and their enthusiasm made the entire effort worthwhile. Despite the lively nature of the program, discipline was maintained throughout. The event was well-organized, and all activities went smoothly without any disruptions. Volunteers ensured that everything stayed on track, and both participants and visitors respected the flow of the event.

Overall, the outreach program was a step forward in motivating school children towards STEM fields by giving them a glimpse into engineering and innovation at the undergraduate level. It was not only an educational experience for them but also an opportunity for us to share knowledge, enhance our communication skills, and connect with the community. The success of the event highlighted the value of such initiatives in bridging academic institutions with the younger generation.

Event Report: Industrial Visit to BMRCL

Organized by IEEE CIS BNMIT | 16th July 2025 | BNMIT, Bangalore

On 15th July 2025, IEEE CIS BNMIT Student Chapter conducted an industrial visit to the Bangalore Metro Rail Corporation Limited (BMRCL) Depot at Baiyappanahalli. The visit was to give students practical knowledge on intelligent transportation systems and the back-end processes of Namma Metro, one of India's most prominent metro rail systems. Faculty coordinators and students traveled from BNMIT to the depot and were received by the BMRCL staff warmly.

The tour started with an orientation and briefing session, where BMRCL officials oriented the students to the operations of Namma Metro. The session touched upon the infrastructure of the metro, automation systems, and the use of computational intelligence for urban mobility management. This was followed by a tour of the Operations Control Centre (OCC) — the central command centre for monitoring metro operations. They saw here how the metro trains are monitored in real-time, how communication is kept between stations and trains, and how safety and operational efficiency are maintained by central control.

The last segment of the tour was a guided tour around a static, non-functional metro station train, which provided students with a first-hand glimpse of the interior, control desks, and the safety features of the train. This was an experience to comprehend the engineering and design concepts that drive metro operations. The entire trip was overwhelmingly informative and insightful, identifying the interface between study in class and application in real life in the area of intelligent transportation.

Bengaluru, Karnataka, India
Metro Station Baiyappanahalli, 9, Ngef Main Rd,
Sadanandanagar, Bennigana Halli, Bengaluru, Karnataka
560038, India
Lat 12.989985° Long 77.649193°
15/07/2025 09:52 AM GMT +05:30

Bengaluru, Karnataka, India
Metro Station Baiyappanahalli, 9, Ngef Main Rd,
Sadanandanagar, Bennigana Halli, Bengaluru, Karnataka
560038, India
Lat 12.989942° Long 77.649156°
15/07/2025 10:16 AM GMT +05:30

Event Report: Virtuovation – AR/VR Hackathon 2025

Organized by IEEE CIS BNMIT | April 28–29, 2025 | BNMIT, Bangalore

The IEEE Computational Intelligence Society (CIS) Student Chapter and AI&ML department at BNMIT successfully organized Virtuovation – AR/VR Hackathon on the 28th and 29th of April 2025. This 20-hour overnight hackathon brought together enthusiastic student developers, designers, and innovators to showcase their talent in the emerging fields of Augmented Reality (AR) and Virtual Reality (VR). Held at the BNMIT campus in Bengaluru, the event served as a platform for fostering creativity, collaborative problem-solving, and hands-on experience with immersive technologies.

The hackathon adopted an open-domain format, encouraging participants to define their own problem statements based on the AR/VR domain they were passionate about. This format allowed a wide variety of innovative ideas, from educational tools and interactive simulations to AR-based navigation and VR gaming experiences. Students from the Data Science elective and other streams took part enthusiastically, forming diverse teams with complementary skills.

The agenda spanned two days. The event kicked off with a welcome session, followed by the official opening of the hackathon. Participants then began brainstorming and building their projects using only the designated tools: Blender and Unity. Throughout the 20-hour duration, mentors and volunteers from the organizing committee assisted teams with technical queries and ensured smooth coordination.

Strict guidelines were shared beforehand to maintain discipline and focus during the event. Participants were required to carry their ID cards, maintain lab and campus decorum, and adhere to time constraints for each stage of the hackathon. They were also reminded to take care of their personal belongings and follow software usage policies strictly — no external software installations were allowed.

A key feature of the event was the Final Day Presentation, where each team had exactly 15 minutes to pitch their project. Presentations had to strictly follow a given template, with no extra slides or extensions permitted. This format tested not only the technical depth of the solutions but also the teams' ability to communicate their ideas clearly and effectively.

The evaluation criteria were based on: Innovation and originality of the idea & Technical implementation and use of AR/VR & User experience and interface desig& Real-world applicability and finally Quality of final presentation

The hackathon also ensured that participants were well taken care of, with breakfast, lunch, and snacks provided on both days. Comfortable seating, charging stations, and accessible lab spaces made it conducive for teams to work through the night with enthusiasm and focus.

The event concluded with final presentations and a short closing ceremony. Judges and mentors shared valuable feedback with the teams, highlighting the strengths of their projects and areas for future improvement.

In summary, Virtuovation 2025 was a major success, offering students a unique opportunity to dive into the world of immersive technology. It empowered them to turn ideas into prototypes and learn essential skills in design thinking, teamwork, and AR/VR development.

IEEE CIS BNMIT Event Report: Data Science Session on Snowflake with LTI Mindtree

On 28th April 2025, IEEE Computational Intelligence Society (CIS) Student Chapter of BNMIT successfully organized an enlightening session in collaboration with *LTI Mindtree* for students enrolled in the Data Science elective and other interested participants across various branches. The session, which spanned approximately three hours, focused on the powerful cloud-based data platform, **Snowflake**, and its applications in the evolving data science ecosystem.

The event commenced with a warm welcome address by the faculty coordinator of IEEE CIS BNMIT, who highlighted the importance of industry-academic collaboration in bridging the knowledge gap between classroom learning and real-world applications. The guest speakers from LTI Mindtree were introduced, all of whom held extensive experience in data engineering, cloud computing, and enterprise analytics.

The core of the session revolved around **Snowflake**, a cloud-native platform that has revolutionized data warehousing and analytics by enabling scalable and flexible data management. The speakers began by explaining the architecture of Snowflake, emphasizing its unique multi-cluster shared data architecture which allows for the separation of compute and storage. This design enhances concurrent access, scalability, and performance, making it suitable for a range of data-intensive applications.

Participants were then guided through a live demonstration, showcasing the key features of Snowflake such as:

➢ Data Ingestion and Storage Query

Processing using SQL

➢ Integration with BI tools and machine learning platforms Data

Sharing and Collaboration across organizations

The session also highlighted **real-world use cases** where Snowflake is being used in industries such as healthcare, retail, and finance for data analytics, fraud detection, personalized recommendations, and more. The representatives from LTI Mindtree explained how their organization leverages Snowflake to deliver client-focused solutions, integrating it with other tools like Azure, AWS, Python, and Tableau.

A significant portion of the session was interactive, with students engaging in Q&A discussions on how Snowflake compares with traditional data warehouses, job opportunities in the field, and how to build a career around cloud data platforms. The experts shared valuable career advice, encouraging students to build strong foundations in SQL, Python, and

cloud technologies, and to explore certifications in platforms like Snowflake to enhance employability.

The session concluded with a vote of thanks from IEEE CIS BNMIT, expressing sincere gratitude to LTI Mindtree for their time, effort, and invaluable insights. Feedback from participants was overwhelmingly positive, with many appreciating the practical relevance of the session and expressing interest in further hands-on workshops or internships related to Snowflake and cloud data engineering.

Overall, the event was a significant step toward exposing students to contemporary industry tools and practices in data science and analytics, fulfilling the IEEE CIS vision of promoting technological innovation and excellence.

Event Report: "Introduction to Pandas,MatPlotLib and Numpy" Date:
April 25, 2025
Venue: N401,Seminar Hall, BNMIT Campus

The BNMIT Student Chapter of the IEEE Computational Intelligence Society (CIS) hosted a session on April 25, 2025, with the theme "Introduction to Pandas,Numpy and MatplotLib." The goal of the event was to provide undergraduate students a basic understanding of Python programming and its three main data-science libraries, NumPy, Pandas, and Matplotlib.A pre-session survey form was collected to gauge the participants understanding of the same.

The main objectives were to Explain the Python ecosystem for tasks using data and to Describe the functions of the necessary libraries (NumPy, Pandas, and Matplotlib) and showcase practical data analysis applications and finally Allow for practical experience in a Google Colab/Jupyter Notebook setting.

The workshop was divided into 6 modules which were hands-on in nature. It began with overview of Python's data ecosystem, which includes NumPy, Pandas, and Matplotlib. Next, environment setup in Google Colab and Jupyter Notebook was covered. After learning about NumPy's array construction, indexing, and statistical functions, participants dug into Pandas' Series and DataFrame structures for importing and inspecting data. They then became proficient in cleaning and transformation methods, discovered how to combine and aggregate datasets using real-world case studies, and finished by creating and modifying visualizations using Matplotlib and Pandas. Finally, it ended with a case-study analysis of IPL statistics dataset.

Throughout the discussion, there were practical hands on exercises that let participants try things out in real time. In order to provide an interactive environment, volunteers' screens were projected to show codes, common problems and fixes.

By the end, participants configured Python data environments, scripted data loading, cleaning, visualization. Feedback was collected from participants post session to collect information about their view of the session and what could be improved. The workshop clarified core Python Libraries and inspired future learning.

Title: Computational Intelligence: Advances, Challenges and Future

Date: 11th April 2025

Venue: BNMIT, Bangalore

Organized By: IEEE – Computational Intelligence Society (IEEE-CIS)

Speaker: Dr. Sumana M
SMIEEE, IEEE-CIS Chair
Department of Information Science and Engineering, MSRIT, Bangalore

Introduction

The IEEE-CIS Inaugural Event at BNMIT welcomed Dr. Sumana M, a prominent researcher and thought leader in the field of Computational Intelligence (CI). Her talk provided an in-depth exploration of the transformative power of CI in reshaping the landscape of computing. Emphasis was laid on how CI integrates with big data, AI, and IoT to enable intelligent and autonomous systems, contributing to a new computing paradigm.

Programme Flow

The event was structured in a logical sequence to ensure a comprehensive understanding of the topic. The key components of the session included:

a. Introduction to Computational Intelligence

❖ Overview of how CI goes beyond rule-based systems to simulate human-like behavior.

❖ Importance of CI in the digital transformation of industries.

b. Perceptual Intelligence

❖ Explained as the machine's ability to sense and respond to the environment using vision, sound, and touch.

❖ Case study: **Tesla's Autopilot**, which uses cameras, sensors, and neural networks for real-time perception and decision-making.

❖ Discussed **smart sensors** for health monitoring, industrial automation, and security.

c. Cognitive Intelligence

❖ Related to the machine's ability to understand, learn, and make decisions like a human.

❖ Tools used: **Natural Language Processing (NLP)**, **Big Data Analytics**, and **Machine Learning**.

- ❖ Example: **IBM Watson**, which supports healthcare decision-making by analyzing vast medical datasets.

- ❖ Components such as **Causal Inference**, **Knowledge Reasoning**, and **Natural Language Understanding (NLU)** were introduced.

d. Autonomous Intelligence

- ❖ Machines acting without human intervention.

- ❖ Concepts of **Transfer Learning** and **Meta Learning**.

- ❖ AI systems adapting to different environments and self-governing behavior.

e. Human-Computer Fusion Intelligence

- ❖ Highlighted **Neuralink** and **Brain-Computer Interfaces (BCIs)**.

- ❖ Wearable technologies and multimodal interaction systems that integrate human cognitive abilities with computational power.

f. Key Challenges in CI

- ❖ **Data Dependency**: Need for large, accurate datasets.

- ❖ **Lack of Interpretability**: Black-box nature of many AI models.

- ❖ **Ethical and Bias Issues**: Algorithms can amplify human biases.

- ❖ **Generalization Limitations**: Difficulty in transferring learning to new environments.

- ❖ **Security Risks**: Vulnerability to adversarial attacks.

- ❖ **Lack of Common-Sense Reasoning** in machines.

g. Technological Dimensions and Fusion Paradigms

- ❖ **Computing by Intelligence**: Use of intelligent algorithms to improve computational processes (e.g., neural networks, fuzzy logic, evolutionary algorithms).

- ❖ **Computing for Intelligence**: Advanced hardware and computing infrastructure to support intelligent systems (e.g., edge computing, cloud computing).

h. Emerging Technologies

- ❖ **Quantum Computing**: Potential to process vast datasets quickly and efficiently.

- ❖ **Neuromorphic Computing**: Hardware designed to mimic the human brain, suitable for real-time learning and inference.

i. Real-World Applications

- ❖ **Pharmaceutical Research**: AI helps in drug design, protein structure analysis, and chemical reaction prediction.

❖ **Agricultural Technologies**: Computer-aided breeding and automation in farming processes for higher efficiency and yield.

j. Closing and Q&A

❖ Dr. Sumana encouraged active participation in IEEE-CIS events and research.

❖ An interactive Q&A session allowed students to clarify doubts and discuss future scopes.

Conclusion

The IEEE-CIS Inaugural Talk on *"Computational Intelligence: Advances, Challenges and Future"* proved to be a **highly informative and inspiring session**. Dr. Sumana M effectively bridged theoretical knowledge with practical examples and ongoing research trends.

The audience gained a **clear understanding of how CI is revolutionizing the computing world**, impacting industries from **automotive to agriculture**, and how interdisciplinary collaboration is key to overcoming the current challenges.The event successfully **ignited curiosity and awareness** among students and faculty, motivating them to engage further with cutting-edge research in intelligent systems and become part of the evolving AI and CI communit