



KN University
Gota, Ahmedabad
Seminar Report



Institute / Department	KIIC (SSIP Cell) & Robotics Club
Activity / Event Name	Seminar on “ Robotics and AI ”
Date of the event	22/04/2026
Duration	10:00 am-2: 00 pm
Location	Auditorium, 6 th floor, KN University, Ahmedabad
Participant’s Branch/Institutes	All Technical Branches and Club Students
Total Number of Participants	150 Students from all departments + 5 faculty members
Full Name of Speaker / Guest with designation	Mr. Ratik Gupta (Founder & CEO of My Equation) & Mr. Ajay Vaishnav (Technical Head at My Equation)
Team Members from My Equation:	A total of 7 professionals visited KN University to conduct the technical session and hands-on training workshop.
Faculty Coordinator Details (Name, Designation, Contact Details)	Dr. Urmila Meshiya Assistant Registrar & Assistant Professor, KN University, Ahmedabad
Student Coordinator Details	Daksh & Manavraj (BCA students)

Objective of the Event

The Technical Session on Robotics and Artificial Intelligence was organized with the objective of providing students with meaningful exposure to emerging technologies and their practical applications. The major objectives of the session were:

- To provide students with comprehensive theoretical and practical knowledge of Robotics and Artificial Intelligence (AI) and their applications in various industries.
- To create awareness among students regarding the latest technological advancements, emerging trends, and future scope in Robotics, AI, automation, and intelligent systems.
- To provide students with hands-on training, live demonstrations, and practical exposure to robotic systems and AI-enabled applications.
- To enable students to understand the basic architecture and working principles of robots, including sensors, actuators, controllers, automation systems, and intelligent decision-making mechanisms.
- To explain how Artificial Intelligence can be integrated with robotic systems to develop smart, autonomous, and efficient technological solutions.
- To encourage students to identify real-world problems and technological challenges that can be addressed through Robotics, AI, automation, and interdisciplinary innovation.
- To motivate students to transform their innovative ideas into student projects, working prototypes, technology-based solutions, and potential startup concepts.
- To create awareness about SSIP (Student Startup and Innovation Policy) and encourage students to utilize institutional innovation support for developing innovative ideas and prototypes.
- To encourage students to participate in innovation-related activities, project development, mentoring, competitions, exhibitions, hackathons, and other opportunities associated with the University's innovation ecosystem.
- To provide students with awareness about internships, industrial exposure, career opportunities, entrepreneurship, and startup possibilities in the rapidly growing fields of Robotics and Artificial Intelligence.
- To establish stronger interaction between students and industry experts and enable students to understand the practical and industrial requirements of emerging technologies.

Flow of the Event

The Technical Session on Robotics and Artificial Intelligence was organized by the Robotics Club of KN University, Ahmedabad, on 22nd April 2026 at the Auditorium, 6th Floor, from 10:00 AM to 2:00 PM. The event was designed as a technical and experiential learning session to introduce students to the rapidly developing fields of Robotics and Artificial Intelligence.

The session witnessed enthusiastic participation from approximately 100 students from the BCA and B.Tech departments. The participation of students from different technical backgrounds provided an interdisciplinary platform for learning and interaction, as Robotics and AI require knowledge from multiple areas such as computer applications, programming, electronics, automation, data processing, and intelligent systems.

The event commenced with a warm welcome to the invited guests, expert speakers, faculty members, and student participants. The organizers briefly introduced the objectives of the session and highlighted

the growing importance of Robotics and Artificial Intelligence in education, industry, research, innovation, and entrepreneurship.

The technical session was conducted by an expert team from My Equation, comprising 7 members, who visited KN University to provide students with technical guidance, industry-oriented knowledge, and hands-on exposure to Robotics and Artificial Intelligence. The presence of an industry expert team provided students with an opportunity to understand the practical implementation of technologies that are generally introduced to them through classroom-based learning.

The keynote speakers for the session were Mr. Ratik Gupta, CEO and Founder of My Equation, and Mr. Ajay Vaishnav, Technical Head at My Equation. Both speakers brought valuable industry experience and technical expertise in the fields of Robotics, Artificial Intelligence, automation, and emerging technologies.

As a mark of respect and appreciation, the keynote speakers were felicitated by Dr. Urmila Meshiya and Dr. Deepak Solanki. The felicitation also reflected the University's efforts to establish meaningful interactions between academia and industry and to provide students with opportunities to learn directly from professionals working in emerging technology domains.

Technical Orientation on Robotics

During the initial part of the session, the experts introduced students to the fundamental concepts of Robotics. The speakers explained the meaning and scope of robotics and discussed how robotic systems are increasingly being used across sectors such as manufacturing, healthcare, agriculture, logistics, defence, education, service industries, and automation.

Students were introduced to the basic components of a robotic system, including:

1. Sensors and their role in collecting information from the surrounding environment.
2. Actuators responsible for producing movement and mechanical action.
3. Controllers used for processing instructions and controlling robotic operations.
4. Motors and mechanical components involved in robotic movement.
5. Programming and control systems used for operating robotic devices.
6. Automation mechanisms used for performing repetitive and complex tasks.

The experts explained these concepts using practical examples so that students could understand how individual components work together to create a functional robotic system.

Introduction to Artificial Intelligence in Robotics

The session further explored the relationship between Artificial Intelligence and Robotics. Students were explained how conventional robots can be enhanced through AI technologies to enable intelligent decision-making, recognition, prediction, adaptation, and autonomous operations.

The speakers discussed practical applications of AI in areas such as:

- Object and image recognition.
- Intelligent decision-making.

- Automated operations.
- Human-machine interaction.
- Autonomous navigation.
- Predictive and intelligent systems.
- Data-based decision-making.
- Smart automation.

The discussion helped students understand that modern Robotics is not limited to mechanical movement but increasingly depends on software, programming, data, machine intelligence, and AI-based algorithms.

Hands-on Demonstration and Practical Exposure

One of the major highlights of the session was the hands-on practical demonstration conducted by the My Equation team. Students were provided with live demonstrations of robotic systems and AI-based applications, enabling them to observe the practical functioning of concepts discussed during the theoretical session.

The demonstrations helped students understand the connection between theoretical knowledge and actual technological implementation. Students observed how robotic systems respond to inputs, perform programmed tasks, interact with their surroundings, and utilize intelligent systems for automated operations.

The practical demonstrations generated considerable interest among the students, who actively interacted with the experts and sought clarification regarding the technical functioning, programming, applications, and development of robotic systems.

Promotion of Student Innovation and SSIP

The session also provided an important platform for promoting student innovation and entrepreneurship at KN University. Students were encouraged to think beyond conventional academic assignments and identify real-world problems that could be addressed through emerging technologies.

The experts and organizers emphasized that technologies such as Robotics and AI can provide significant opportunities for students to develop innovative solutions in areas such as:

- Smart agriculture.
- Healthcare and assistive technologies.
- Industrial automation.
- Smart campus solutions.
- Waste management.
- Traffic and transportation.
- Security and surveillance.
- Education technology.
- Environmental monitoring.
- Smart home and IoT-based applications.

Students were encouraged to convert promising ideas into structured projects and functional prototypes. In this context, the University's SSIP ecosystem provides students with an institutional platform for nurturing innovative ideas, receiving mentoring, developing prototypes, undertaking experimentation, and exploring the possibility of taking successful innovations towards entrepreneurship and startup development.

The session therefore complemented the objectives of SSIP by encouraging students to identify problems, generate innovative ideas, develop technology-based solutions, and explore pathways for further development and commercialization.

Students interested in Robotics and AI-based innovation were encouraged to approach faculty mentors and the University's innovation ecosystem for further guidance regarding project development, prototype preparation, intellectual property, competitions, funding opportunities, and startup possibilities.

Student Interaction and Query Discussion

The session was highly interactive, with students actively participating in discussions and demonstrations. Students raised several questions related to robotic mechanisms, programming, AI integration, project development, industrial applications, internships, and career opportunities.

The query discussion session became one of the most engaging components of the event. Mr. Ajay Vaishnav patiently addressed the questions raised by the participants and provided practical explanations based on industry experience.

The interaction helped students gain clarity regarding the skills required to enter the Robotics and AI sector. Students were also encouraged to strengthen their programming, problem-solving, analytical, technical, and project-development skills.

The discussion also encouraged students to think about how the knowledge gained from the session could be applied to their academic projects and future SSIP-oriented innovation projects.

Industry Exposure and Internship Opportunities

Another important outcome of the session was the exposure provided to students regarding industrial training and internship opportunities.

The My Equation team introduced students to the importance of practical industrial exposure and encouraged them to gain experience beyond the classroom. The team provided students with an opportunity to explore internship possibilities in areas related to Robotics, AI, emerging technologies, and technical project development.

Such opportunities can help students understand real industrial requirements, improve their technical competencies, gain experience in working on practical projects, and develop professional skills.

The internship interaction also complemented the University's objective of creating a bridge between academic learning, industry exposure, student innovation, and employability.

Encouragement Towards Project Development

The session motivated students to consider Robotics and AI not merely as subjects of academic interest but as powerful tools for developing practical solutions to real-world problems.

Students were encouraged to undertake project-based learning and explore the development of prototypes based on their interests. The knowledge gained during the session can be further utilized for developing innovative projects, participating in technical competitions and exhibitions, undertaking interdisciplinary projects, and exploring SSIP-supported innovation opportunities.

The session thus created a pathway for interested students to progress from:

Problem Identification → Ideation → Technical Learning → Project Development → Prototype Development → Mentoring → Innovation → Entrepreneurship/Startup

This approach is aligned with the University's broader objective of strengthening its innovation and entrepreneurship ecosystem.

Key Outcomes of the Event

- The session resulted in several important learning and innovation-oriented outcomes:
- Approximately 100 students received exposure to Robotics and Artificial Intelligence.
- Students gained both theoretical understanding and practical exposure to robotic systems.
- Participants learned about the role of AI in developing intelligent and autonomous robotic systems.
- Students were introduced to real-world applications of Robotics, AI, automation, and intelligent technologies.
- The live demonstrations helped students understand the practical implementation of technical concepts.
- Students interacted directly with industry experts and gained insights into industry expectations and emerging technology trends.
- The session encouraged students to identify real-world problems that could be addressed through innovative technological solutions.
- Students were encouraged to develop projects, prototypes, and technology-driven solutions.
- The session strengthened awareness regarding SSIP and student innovation opportunities available for further development of promising ideas.
- Students received guidance regarding internships, career opportunities, technical skill development, and industrial exposure.
- The interaction encouraged students to explore interdisciplinary applications of Robotics and AI.
- The event contributed towards strengthening the University's culture of innovation, experimentation, project-based learning, entrepreneurship, and industry-academia interaction.

Conclusion

The Technical Session on Robotics and Artificial Intelligence was successfully conducted and proved to be a highly informative, interactive, and enriching learning experience for the participating students. The session successfully combined theoretical orientation, practical demonstrations, industry interaction, and career awareness to provide students with a comprehensive understanding of Robotics and Artificial Intelligence.

The participation of approximately 100 students from BCA and B.Tech departments created a vibrant learning environment and encouraged interdisciplinary interaction. The expert team from My Equation provided students with valuable industry-oriented knowledge and demonstrated how Robotics and AI concepts are implemented in real-world technological systems.

The hands-on demonstrations were particularly beneficial in helping students bridge the gap between classroom theory and practical application. Students developed a better understanding of robotic components, automation, AI integration, intelligent systems, and emerging technological applications.

From the perspective of the University's innovation ecosystem, the session also contributed towards encouraging students to identify real-world problems, generate innovative ideas, develop prototypes, and explore technology-driven solutions. The orientation towards project development and innovation can support students interested in pursuing their ideas further through SSIP, faculty mentoring, prototype development, intellectual property generation, innovation competitions, and entrepreneurship opportunities.

The internship opportunities introduced by My Equation further enhanced the value of the session by providing students with a potential pathway for acquiring practical industrial experience and improving their employability.

Overall, the event contributed significantly towards strengthening the linkage between technical education, industry exposure, innovation, student projects, SSIP, and entrepreneurship at KN University. It motivated students to explore emerging technologies and encouraged them to move from theoretical learning towards practical experimentation, innovation, prototype development, and potential startup-oriented solutions.

The event therefore served not only as a technical awareness programme but also as a valuable step towards developing a technology-driven and innovation-oriented student ecosystem at KN University, supporting the University's broader objectives of promoting research, innovation, entrepreneurship, and student-led technology development.

Photograph



