



ACTIVITY COMPLETION REPORT

Institute: Faculty of Engineering & Technology, Major S.D. Singh University, Farrukhabad

Activity: Robotics & Automation Workshop

Date: 29/09/2026

Venue: Seminar Hall, Faculty of Engineering & Technology, Major S.D. Singh University, Farrukhabad

Organized by: Engineering Department

Coordinator: Dr. Anil Kumar Yadav

Participants: Faculty Members and Students of the Engineering Department

No. of Participants: 41

Objectives

1. To introduce students to the basic concepts of robotics and automation.
2. To familiarize students with robotic components such as sensors, actuators, controllers, and motors.
3. To provide practical exposure to robotic systems and automation technologies.
4. To develop students' technical, logical, and problem-solving skills.
5. To explain the applications of robotics and automation in modern industries.
6. To encourage students to undertake innovative projects in robotics and automation.

Description

- A **Robotics & Automation Workshop** was organized on **29 September 2026** by the Engineering Department, Faculty of Engineering & Technology, Major S.D. Singh University, Farrukhabad. The workshop was conducted under the guidance of **Dr. Anil Kumar Yadav** with the objective of providing students with an understanding of the fundamentals and practical applications of robotics and automation.
- The workshop covered basic concepts related to **robotic systems, automation, sensors, actuators, motors, controllers, and robotic mechanisms**. Students were introduced to the working principles of robots and the role of automation in improving efficiency, accuracy, productivity, and safety in engineering and industrial applications.
- During the session, faculty members explained various real-world applications of robotics and automation in areas such as **manufacturing, industrial production, agriculture, healthcare, transportation, and smart systems**. Practical demonstrations and examples were used to help students relate theoretical concepts with actual engineering applications.
- Students actively participated in the workshop through discussions, demonstrations, and interaction with the faculty members. The programme encouraged students to develop an interest in emerging technologies and motivated them to explore robotics and automation through practical projects and innovative ideas.

Outcome

- Students gained basic knowledge of robotics and automation technologies.
- Students understood the functions of sensors, actuators, motors, and controllers.
- Participants developed awareness of the practical applications of robotics in various industries.
- Students improved their technical understanding and problem-solving approach.
- The workshop encouraged hands-on learning and innovation among students.
- Students were motivated to explore robotics and automation for academic projects and future career opportunities.

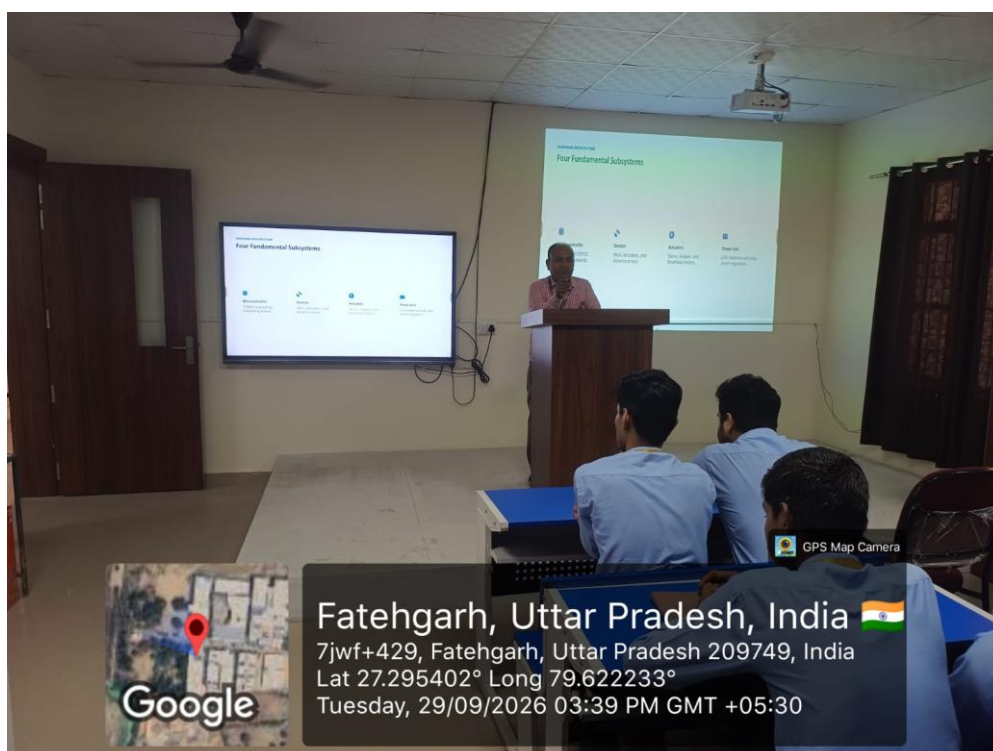
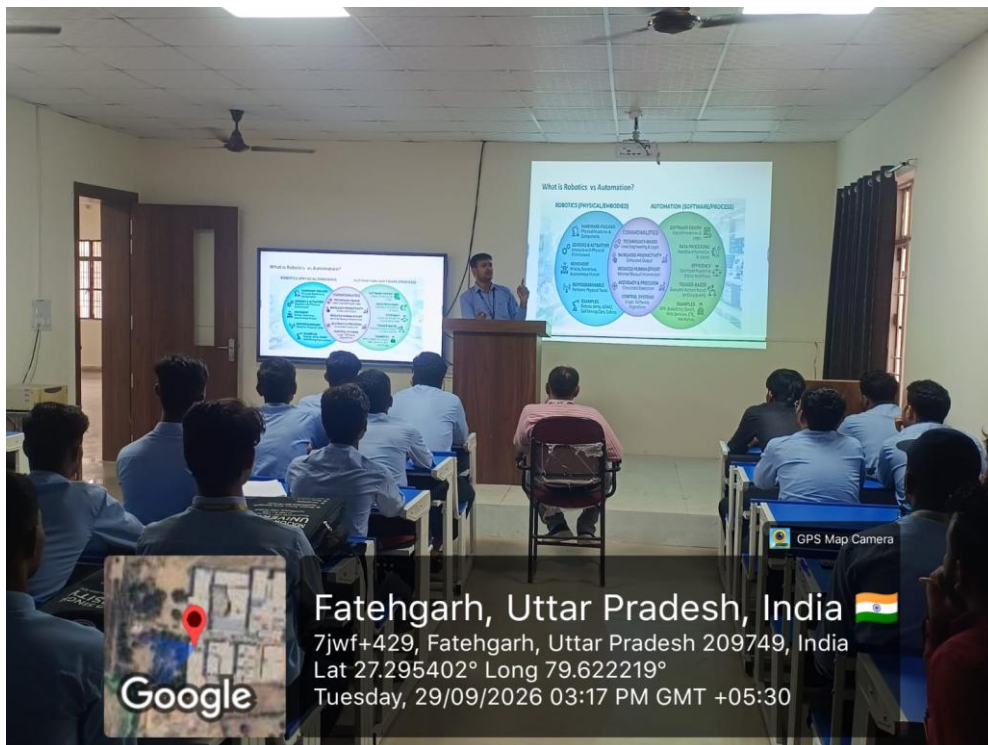
Highlights

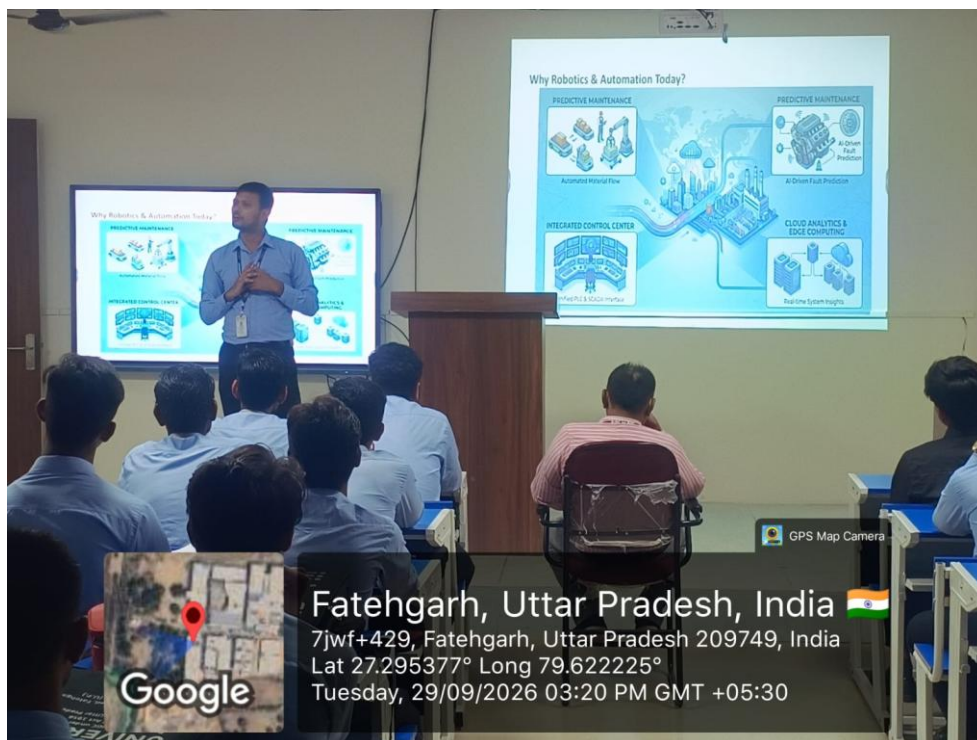
- Successful organization of the **Robotics & Automation Workshop** by the Engineering Department.
- Interactive technical discussions were conducted on robotics and automation.
- Practical examples and demonstrations helped students understand robotic systems.
- Students actively participated and showed interest in emerging technologies.
- The workshop promoted innovation, hands-on learning, and technical skill development.
- Students were encouraged to develop future projects related to robotics and automation.

Conclusion

The **Robotics & Automation Workshop** was successfully conducted on **29/09/2026** and provided students with valuable exposure to the fundamentals, applications, and future scope of robotics and automation. The activity contributed to enhancing students' technical awareness and encouraged them to explore innovative solutions through practical learning and project development.

No.	Student Name	Course
1	AJAY	Btech 2nd year
2	YASHVI.K	Btech 2nd year
3	CHAHAT BANO	Btech 2nd year
4	ARNAV VERMA	Btech 2nd year
5	NIHAL	Btech 2nd year
6	MOHD KAIF	Btech 2nd year
7	RANJANA	Btech 2nd year
8	UTKARSH SHUKLA	Btech 2nd year
9	ARPIT	Btech 2nd year
10	VIVEK YADAV	Btech 2nd year
11	ABHIJIT SINGH	Btech 2nd year
12	FEMAS YADAV	Btech 2nd year
13	VIVEK KUMAR	Btech 2nd year
14	PIYASH RAO	Btech 2nd year
15	PRIYANSHU PAL	Btech 2nd year
16	RUCHI	Btech 2nd year
17	ADARSH SINGH	Btech 2nd year
18	ABHISHEK SHARMA	Btech 2nd year
19	VIVEK KUMAR	Btech 2nd year
20	INDRESH YADAV	Btech 2nd year
21	VIVEK YADAV	Btech 2nd year
22	SINKU TIWARI	Btech 2nd year
23	SUMIT	Btech 2nd year
24	ARPIT TOMAR	Btech 2nd year
25	ANSH SRIVASTAVA	Btech 2nd year
26	DEEPAK	Btech 2nd year
27	KESHAV MISHRA	Btech 2nd year
28	MOHD FAIZAN.A	Btech 2nd year
29	MOHD ATHAR	Btech 2nd year
30	MOHD AFTAB ALAM	Btech 2nd year
31	HARISH CHAURASIYA	Btech 2nd year
32	PRASHANT BATHAM	Btech 1st year
33	GOVIND KUMAR	Btech 1st year
34	ANKUR	Btech 1st year
35	ANJU GUPTA	Btech 1st year
36	SANJANA	Btech 1st year
37	PIYUSH	Btech 1st year
38	NIKHIL KUMAR	Btech 1st year
39	SONU	Btech 1st year
40	PRIYNASHU PRAJAPATI	Btech 1st year
41	JUNAID SIDDIQUI	Btech 1st year





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