

ACTIVITY REPORT FORMAT

1.	Name of Activity (Title)	Introduction to Pneumatic Actuation by Janatics Global Solutions Pvt. Ltd
2.	Type of Activity (FDP/Lecture/Technical/conference etc.)	Technical
3.	Name of department/ Section/ cell conducting the activity	Mechanical Department
4.	In coordination with (if any)	
5.	Date of conduct	03-09-2025
6.	Name of Activity Coordinator (s)	Dr. Nisha Bhatt
7.	Amount Spent	NIL
8.	Funding/ grant from (University/ Industry/ UGC/ AICTE/ DST/ TEQIP/Outside Society/ agency/others (mention)	Industry
9.	Target audience	RAI 2 nd Year and 3 rd Year Students
10.	No. of beneficiaries	25
11.	Name of Outside guests	Mr Venkat Prasad
12.	Any other information	The session aimed to give students a practical exposure to pneumatic actuation, automation, and Industry 4.0 concepts, while also understanding the role of engineers in a modern industrial setup. Mr Venkat Prasad, an experienced engineer from Janatics Global Solutions Pvt. Ltd., a leading manufacturer of pneumatic products, visited the department and interacted with students. Mr. Prasad delivered a presentation on pneumatic actuation systems, covering their principles, components (cylinders, valves, actuators, FRLs), and integration with automation. He highlighted the importance of Industry 4.0, focusing on the role of pneumatics in smart factories, IoT-enabled devices, and cyber-physical systems. A demonstration video showcased Janatics' product range and real-life industrial applications in packaging, automotive assembly, machine tools, robotics, and process industries. The session emphasized how different engineering disciplines contribute to a company: Students participated actively, asking questions about integration of pneumatics with robotics, mechatronics, and Industry 4.0 technologies. The activity enriched students with knowledge of modern automation trends and industry practices. It fostered awareness about the importance of interdisciplinary teamwork in companies and enhanced their readiness for future careers in Industry 4.0-driven sectors.

13 . Also attach two/ three good quality photographs

