



**NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S**  
**Karmaveer Adv. Baburao Ganpatrao Thakare**  
**College of Engineering**

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<b>Class:</b>	<b>Expert Session and Demonstration by Mr. Ajay Hyalij at STRAMA Summit Machinery Pvt. Ltd. Nashik.</b> For TE I & C Students. <b>Total number of students-</b> 06 (Session was on Gandhi Jayanti – a holiday for college for a working day for Industry) <b>Staff-</b> 1. Dr. A. R. Kulkarni
<b>Day and Date, Time</b>	02.10.2019 (Wednesday); 11.00 am -4.00 pm
<b>Name of Method:</b>	<b>Learning from Demonstration of Industrial Solution</b>

Learning Objective:

1. To demonstrate innovative Mechatronics Systems
2. To discuss real world problems identification in Hydraulics and Pneumatics (Content beyond Syllabus)
3. To let students explore internship opportunities
4. To listen from entrepreneur (MD of an automation company)



Figure (left): Director of STRAMA Summit directing to students on fundamentals of Hydraulics.

Figure (Right): Demonstration of one more machine along with hydraulic press to TE students from Project Engineer of STRAMA Summit.

Outcomes: On completion students were able to understand how a electro-hydraulic press is implemented in practice and how to check the output of the hydraulic press using directional control valves.

Event Description: Expert session by Hon. Ravi Mahadeokar (Director) STRAMA Summit (One hour). Expert session by Mr. Ajay Hyalij and Mr. Yash (Real World Problem Solving and challenges: Cycle times improvement and alternative solutions). Demonstration of 24 stations Electro Hydraulic Press, Demonstration of Electro-Pneumatic component painting application (actuation of few parts), Viscosity and Temperature Control – discussion), questions and answers.

**Impact of Innovative Method:** Students' problem solving skills are explored in the interactive session taken by STRAMA Summit Project Engineers and learning by demonstration help them to identify how components are installed in actual machine; to understand challenges in building machine-automation.

**POS explored:** PO2(3),PO3(2),PO4(3),PO8(2),PO9(2),PO10(3),PO11(2),PO12(3) variety of testing (norms of Engg practices).