



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

Department of Mechanical Engineering

A report on FESTO Expotainer

An Automation Exhibition was organized by Department of Mechanical Engineering, A J Institute of Engineering & Technology, Mangaluru in association with ARMS on November 3 rd, 2018. The exhibition was conducted by FESTO, Bengaluru. The objective of the exhibition was to apprise students about various Automation technologies and their applications in industry and to bring the latest technology in pneumatic, electronics and mechatronics, directly to the student's door-step.

The FESTO Expotainer is a fully self-contained exhibition vehicle providing a display of the latest equipment in the field of automation technology utilizing pneumatics and electronics as well as incorporating the latest developments in didactic training aids. The exhibition was meant for students of Mechanical Engineering branch.

The Expotainer was parked in the campus. Initially the demonstration was given to the Principal, HOD's and Staffs of different departments. Later, the students of mechanical engineering followed by Civil Engineering, Computer Science Engineering, Electronics and Communication Engineering and Information Science Engineering visited it in a batch of 10 . Around 15 minutes demonstration on Solutions for Factory and Process Automation products by FESTO Trainer. He explained the complete range of low cost automation products offered by FESTO. Students took keen interest in knowing the applications of the automation modules and were motivated to apply some of the concepts in their projects.

During the exhibition, following components/ products and Automation modules were displayed:

STATIC DISPLAYS

S. NO	DESCRIPTION
1.	SYSTEMATIC GRIPING
2.	HANDLING TECHNOLOGY
3.	MINIATURE DRIVE
4.	VALVE TERMINAL WITH INTEGRATED FUNCTIONALITY
5.	ELECTRICAL DRIVES
6.	PART SENSING & VISION

7.	TUBING OPTIMIZATION
8.	COMPLETE RANGE OF PUSH-IN FITTING
9.	ULTRA COMPACT MAINTENANCE UNIT

DYNAMIC DISPLAYS

S. NO	DESCRIPTION
1.	HANDLING APPLICATION
2.	PICK-N-PLACE APPLICATION (ELECTRO-PNEUMATIC)
3.	PICK-N-PLACE APPLICATION (PNEUMATIC)
4.	LINEAR TO ROTARY CONVERTER
5.	PROCESS VALVES
6.	AIR DRYER
7.	ROTARY INDEXING TABLES
8.	SERVO DRIVES FOR PROCESS AUTOMATION
9.	CYLINDER VALVE COMBINATIONS

Mr. Nithin Shet, Assistant Professor, Department of Mechanical Engineering coordinated the event.

Prof. Dr. Rajesh Rai , Head of Mechanical Engineering Department, supported and guided the students and faculty.



COORDINATOR

HOD

PRINCIP

CC to:

1. President, LMET
2. Vice President, LMET
3. Office File