



JSS Mahavidyapeetha  
**JSS Academy of Technical Education**  
Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060  
www. Jssateb.ac.in



**Department of Mechanical Engineering**



**FLUID POWER SOCIETY OF INDIA®**

## **FLUID POWER SOCIETY OF INDIA**

The Fluid Power (Oil hydraulics and Pneumatics) Industry has evolved comprehensively over the last century and has generated intensive research, efficient production systems and integrated applications.

The fluid power industry has three large segments: mobile hydraulics, industrial hydraulics and pneumatics. Historically, the mobile hydraulic segment has been the largest, accounting for about 50% of total fluid power sales. The industrial hydraulic and pneumatic segments are nearly the same size, each with about 25% of total fluid power sales.

The major sectors in which fluid power finds applications are:

- Construction and Mining Equipment
- Industrial Process Equipment & Control
- Aerospace & Defence
- Steel plants
- Agri-machinery
- Automotive
- Marine equipment
- Machine tools
- Textile machinery
- Material handling equipment

The Fluid Power Society of India (FPSI, <https://www.fpsindia.net/about-us>) is a not-for-profit professional body committed to promoting Fluid Power knowledge and technology in the country.

Various activities such as 'technical talks, industrial visits for the students, webinars, project contests and exhibitions, conclaves, professional day', etc. are conducted by FPSI throughout the year. A quarterly magazine 'Fluid Power' is also published covering a variety of technical articles on hydraulics and pneumatics.

**JSSATEB is an institutional member of FPSI from the past four years. Various activities are conducted for our students in the past 3 years.**

**Objective:**

- To create awareness on developing skills in the area of Fluid Power.
- To recognize Industry – Academia link as a unifying activity.
- To disseminate the tremendous potential that the fluid power industry has, to the young engineers

Following faculty member looks after the FPSI activities in JSSATEB:

Dr. Gowreesh S S., Associate Professor, Dept. of Mechanical Engineering

**Benefits to the students and faculty:**

- Students are made aware of the potential job opportunities in Fluid Power area.
- Students can do their internship programme in fluid power companies.
- It facilitates industrial visit to FPSI member institutes.
- Students can work on live projects in the industries.
- It develops leadership qualities among students.
- Faculty can be trained on fluid power area
- Faculty and students can participate in Fluid Power expos, conferences and conclaves with reduced registration fee.

**Activities Conducted in the Dept. of Mechanical Engineering:**

**Industry Visit**

**Date and Time:** 03/05/2019

**Industries visited:** Walvoil, Electronic city Bangalore and Hydax, Electronic city, Bangalore

**Participants:** Final and Pre-Final Mechanical Engg. students.

**Faculty co-ordinator:** Dr. Gowreesh S S

FPSI co-ordinator: Mr. Subhadeep



Walvoil



Walvoil



Hydax



Hydax

## Technical Talk

**Topic:** IIoT Applications in Fluid Power

**Resource person:** Dr. Prasanna Kumar, Advisor FPSI and Former President FPSI

**Date and Time:** 28/02/2019, Thursday, 10:00 to 11:00 AM

**Venue:** Seminar Hall-1

**Participants:** Final and Pre-Final Mechanical Engg. students.



**Dr. Prasanna Kumar**

