

**Government College of Engineering  
and Research, Avasari (Kh), Tal-  
Ambegaon, Dist – Pune**

**REGISTRATION FORM**

**One Week FDP  
On**

**IOT READY FLUID POWER**

**During 5<sup>th</sup>–9<sup>th</sup> March 2019**

Name: -----

Designation: -----

Institute: -----

Gender: Male / Female

Postal Address: -----

Email Id: -----

Telephone No: -----

Mobile No: -----

Experience (Years): -----

Accommodation Required :Yes / No

Signature of Applicant: -----

Signature of Sponsoring Authority  
(With date and seal)

(Photocopy of registration form is acceptable)

**CHIEF PATRON**

**Dr. A. E. Wagh**

Director, Technical Education,  
Maharashtra State, Mumbai

**PATRON**

**Dr. D. R. Nandanwar**

I/C Joint Director  
Technical Education, Regional Office, Pune

**Dr. A. S. Pant**

Principal  
Government College of Engineering & Research,  
Avasari (Kh)

**CONVENER**

**Prof. S. V. Joshi**

Professor and Head,  
Department of Mechanical Engineering,  
Govt. College of Engg. & Research, Avasari (Kh)

**COURSE COORDINATOR**

**Dr. S.S. Deshpande**

Associate Professor in Mechanical Engineering,  
Govt. College of Engg. & Research, Avasari (Kh)

**E-Mail:** [ssdeshpande.mech@gcoeara.ac.in](mailto:ssdeshpande.mech@gcoeara.ac.in)

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**Government College of Engineering  
and Research, Avasari (Kh)**

[www.gcoeara.ac.in](http://www.gcoeara.ac.in)



**One Week  
Faculty Development Program  
On**

**IOT READY FLUID POWER**

**During 5<sup>th</sup>–9<sup>th</sup> March 2019**



**ORGANIZED BY**

**Department of Mechanical Engineering,  
Government College of Engineering and  
Research, Avasari (Kh),  
Tal- Ambegaon, Dist- Pune, 412 405**

## ABOUT THE INSTITUTE



Government College of Engineering and Research, Avasari (Kh), Tal- Ambegaon, Dist - Pune, has been established in August 2009 by Government of Maharashtra and is approved by All India Council for Technical Education, New Delhi. Institute campus is located in hilly area of a very picturesque location at a distance of 65 km from Pune, off Pune-Nashik Highway, about 30 km from Shivneri fort, Ozar and Lenyadri and 3 km from Manchar. The institute offers Undergraduate Programmes in Automobile, Civil, Computer, Electronics and Telecommunication, Instrumentation & Control and Mechanical Engineering. At present, more than 1600 students are taking education in the environment friendly campus.

### FDP OBJECTIVES

Fluid power devices are not only limited to hydraulics and pneumatics but are becoming interdisciplinary. Dimensions of Automation are changing rapidly with IOT readiness. These devices are integrated with sensors and are able to communicate with servers.

Teachers from polytechnics and engineering colleges need to be aware of IOT ready fluid power applications in industries. This FDP will bring awareness of technical aspects of IOT ready fluid power devices. Faculty members will be able to enhance their competency in this area and impart knowledge and skills to the students.

## COURSE CONTENTS

- Basics of hydraulics and Pneumatics.
- Introduction of IOT, Industry 4.0
- Basic Electro hydraulics -pneumatics.
- PLC for Hyd-Pneu systems.
- Proportional Hydraulics and Pneumatics.
- Hands on practice on Simulation Software.
- Applications in industries: Case studies
- Industrial Visit

## RESOURCE PERSONS

Professionals from academia, industry and research will be drawn for delivering the contents.

## ORGANIZING COMMITTEE

**Dr. S.A. Sonawane**

**Dr. S.V. Kshirsagar**

**Dr. S. V. Karmare**

**Dr. R. M. Warkhedkar**

**Shri. J. M. Arackal**

**Shri. A. S. Kousal**

**Shri. N. D. Padwale**

## ELIGIBILITY

Teachers with specialization in Mechanical, Automobile, Production, Instrumentation & Control Engineering stream having interest in Hydraulics and Pneumatics, Automation, PLC, Control systems, working in Government / Government Aided Engineering and Polytechnic Institutes are eligible.

## TA/DA, LODGING AND BOARDING

TA/DA (limited to AC 3 tier Railway fare for to and fro journey) will be paid to the participants on production of journey tickets.

Accommodation, if required, will be provided in institute hostel on specific request with nominal charges.

Tea, Breakfast, Working Lunch and Dinner will be provided during the course.

## VENUE

Seminar Hall,  
Department of Mechanical Engineering,  
Government College of Engineering and  
Research, Avasari (Kh). Tal- Ambegaon, Dist.-  
Pune

## IMPORTANT DATES

Last date for receiving the registration form:

**25<sup>th</sup> February 2019- 4pm**

**(Scan copy of registration form will also be accepted)**

Confirmation of selection for course by Email:

**27<sup>th</sup> February 2019- 4pm**

