

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

REGISTRATION FORM

**One Week AICTE ATAL FDP
On**

IoT READY FLUID POWER

During 5th -9th October 2020

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 COORDINATORS

Dr. S.S. Deshpande

Dr. S.V. Karmare

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

E-Mail: ssdeshpande.mech@gcoeara.ac.in

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

www.gcoeara.ac.in



**One Week
AICTE ATAL Faculty Development Program
On**

**IoT READY FLUID POWER
During 5th October- 9th October 2020**



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.

Technicians, Instructors, Technical Lab Assistants 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. These supporting staff members will be able to enhance their competency in this area and impart knowledge and skills to assist in demonstration to students.

COURSE CONTENTS

- Basics of hydraulics and Pneumatics with hands on practice
- Introduction of IOT, Industry 4.0
- Basic Electro hydraulics-pneumatics, with hands on practice
- 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. C.S. Sewatkar

Dr. R. M. Warkhedkar

Shri. J. M. Arackal

Shri. A. S. Kousal

Shri. N. D. Padwale

ELIGIBILITY

Technicians, Instructors, Technical Lab Assistants with working in of AICTE approved institutions, research scholars, PG scholars, Government organisations, institutions & Industry.

VENUE Online

Online mode . Link will shared on email

Certificate will be awarded for minimum 80% attendance during the course and min 60% score in the test conducted on last day.