

Report on “HYDRAULICS & PNEUMATICS STTP”

Duration: May 08, 2017 to May 10, 2017

Organizer: SVKMs NMIMS Bosch Rexroth Centre of Excellence in Automation Technologies, SVKMs NMIMS MPSTME Shirpur.

Venue: SVKMs NMIMS Bosch Rexroth CoE in Automation, NMIMS, Shirpur Campus

Training Team:

The members of the training team were Prof Shashikant Patil, Convenor of Programme along with Prof Suresh Kurumbanshi; Prof Sunil Chaudhari; Prof Prashant Udawant; Prof Rajendra Shimpi; Mr.Sunil Patil

Conveners: Prof Vishal Fegade, Prof Shashikant Patil

Objective:

Three day Short Term Training Programme was conducted for academic students and teachers in Mechanical, Electronics, Automation, Robotics and Mechatronics Engineering, Pharmaceutical sciences as well as for Manufacturing, Design, Automation, Control, and Maintenance Engineers, ITI technicians from 08th to 10th of May 2017 to train the participants with introduction to Fluid power, the basic principles and the importance of pressure, flow and speed along with below mentioned course objectives.

- Explaining the advantage of fluid power, it provides examples of applications.
- Understand the relevant theory (units, flow, pressure, temperature, forces)
- Understand the operation of hydraulics & pneumatics circuits and components typically used in industry
- Hands on practices on hydraulic and pneumatic systems.

Participants

The training-workshop was attended by heterogeneous group of fourteen outside participants from various renowned institutes Maharashtra & Madhya Pradesh comprising academicians' students along with Industry consultants and Industry Professionals.

Day I : 08.05.2017

The STTP was inaugurated by Dr Aaquil Bunglowala, Associate Dean, MPSTME Shirpur Campus. In his address as a Chief Guest, he appealed participants to explore the new dimensions in Automation Technologies and make the most of it. Prof Suresh Kurumbanshi shouldered the responsibility of anchoring and Master of Event. Dr. Aaquil Bunglowala was felicitated by Prof Shashikant Patil with bouquet.

The Training-Workshop

The training-workshop was opened by Prof SS Patil by giving deep insights in Basic Hydraulics theory and applications followed by Hands on Practical's Sessions on Basic Hydraulics by Prof Sunil Chaudhari, Prof Rajendra Shimpi, Prof Suresh Kurumbanshi and Mr.Sunil Patil. Day was ended by highlighting and emphasizing on Designing Automation Circuit using Automation Studio was taken by Prof Sunil Chaudhari. Following the presentations and debrief, the training-workshop was closed for the day.

Day 02- 09.05.2017

Day 2 began with a presentation on Electrohydraulic covered by Prof Prashant Udawant followed by Hands on sessions on Electrohydraulic Systems by Prof Sunil Chaudhari, Prof Rajendra Shimpi, Mr.Sunil Patil. The Day closed with introductory session on Basic Pneumatics was by Prof Suresh Kurumbanshi.

Day 03- 10.05.2017-

The focus on the morning of Day 3 was designing Electro pneumatics and it was delivered by Prof Suresh Kurumbanshi followed by Hands on Training Sessions on Electro pneumatics systems conducted by Prof Sunil Chaudhari, Prof Rajendra Shimpi , Mr.Sunil Patil

Valedictory and Closing Ceremony:

The training program was closed by Valedictory and Closing Ceremony. Hon. Dr. R. S. Gaud, Director SVKMs NMIMS Shirpur Campus presided the functions as a Chief Guest. The responsibility of anchoring and vote of thanks was shouldered by Prof S S Patil, Convener of the STTP. In his address Dr R S Gaud, Campus Director enlightened the participants with his wise and kind words. He has highlighted the usage of automation technology and endless possibilities in the field which will be helpful in career path. Participants were distributed certificate of completion by the Hands of Dr. R. S. Gaud, Campus Director. Trainers of the training team received certificate of Resource Person. The valedictory session was ended with vote of thanks and program is declared closed with the permission of Chief Guest Dr. R.S. Gaud, Campus Director.



I. Inauguration at the hands of Dr. Aaquil Bunglowala, Associate Dean, MPSTME, NMIMS, Shirpur Campus

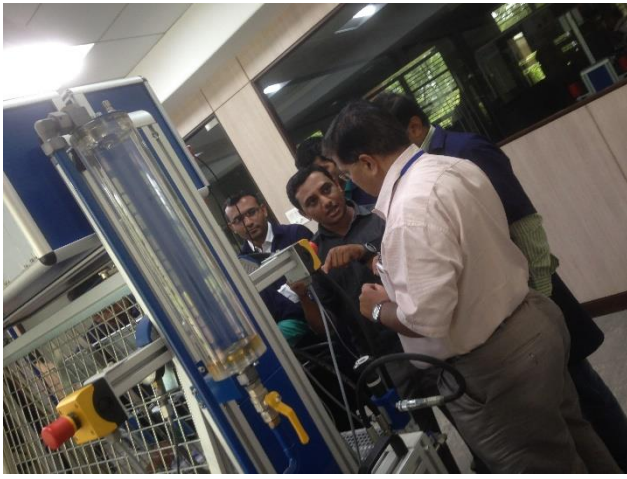
ii. Dr. R.S. Gaud, Director, MPTP, Shirpur Campus addressing the gathering in Valedictory function



Expert talk by Prof Shashikant Patil on Basic Hydraulics & Prof Suresh Kurumbanshi on Basic Pneumatics



Group Photo during STTP with Dr.R.S.Gaud, Director, Shirpur Campus, Dr.Aaquil Bunglowala, Associate Dean,MPSTME, NMIMS, Shirpur Campus & Prof Shashikant Patil, Convenor of the programme.



Prof Sunil Chaudhari & Prof Rajendra Shimpi while providing hands on Training in Hydraulic Lab



Prof Shashikant Patil & Mr. Sunil Patil providing hands on Training in Electrohydraulic and
Prof Prashant Udawant delivering talk on Electrohydraulic

Learnings

1. The participants enjoyed the process of teaching and learning through Hands on sessions.
2. Some of them have committed to use it and make the most of it.
3. As an organizer it was felt that at least 05 days would be required for a similar workshop.
4. There was very little time to share the expertise and hands on training.
5. Needed more time for briefing and debriefing as well as for Hands on trainings.
6. Realised that it was a good residential training program.

Prepared and Submitted by:

Prof. Shashikant Patil.