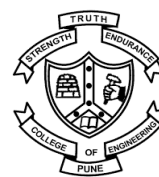


Faculty Development Program

College of Engineering, Pune (An Autonomous Institute of the Government of Maharashtra) and Center of Excellence-Smart Renewable Energy System (TEQIP-II) sponsored in association with Fluid Power Society of India, Pune Chapter organized a Short Term Training Program on “Fundamentals of Fluid Power Devices & Its Applications” from 6th June, 2016 to 10th June, 2016 in Pune. This program is designed by FPSI to enrich the staffing skills. Around 40 members from Maharashtra academic community attended the course.



The training program covers fundamentals of hydraulics, hydraulic products – pump, motor, cylinder, valves, accumulator, reservoir, filter, conveyance parts, circuit design, system solutions – Industrial, mobile, hydraulic applications-industrial, mobile, aerospace & defense. Also organized industrial visits to Danfoss Power Solutions Private Limited & Stauff India Private Limited in Pune to have hands on practical knowledge.

Well known Industry experts delivered these sessions - Prof. Nitin Saharabudhe (Retired VIT), Kishore Arora (Retired R&D E Engineers), Niteen Kardekar (Hydro-CAD), Krishna Ghatge (Eaton), Anjeeve George (Eaton), Jwalant Bhat (Eaton), N S Karachiwala (Hyd-Air), Bony Paul (Triada), Atul Kunte (Eaton), Sandeep Manthode (Hydac), Yashwant Ranade (Woerner Lubrication), R. Tamhankar & Phadke (R&D E Engineers), Soami Das (Eaton), M P Khond (CoEP), Yuvraj Khapne & Shrinivas Kulkarni (Eaton).

As a part of industry-academia interaction, a panel discussion forum organized inviting honorable personalities from industry including Upinder Razdan (MD, Danfoss), Jayant Natu (AGM-HR, Danfoss), Subhasis Chatterjee (MD, Eaton Fluid Power Ltd.), Makarand Kotalwar (Manager-HR, Eaton Fluid Power Ltd., Kishore Arora (Founder Member, FPSI-Pune Chapter) & Mr. B A N Murthy (General Secretary, FPSI-Pune Chapter).

At the end, valedictory function was organized with key note addresses by Subhasis Chatterjee (MD-Eaton), Upinder Razdan (MD-Danfoss), B B Ahuja (Director CoEP), Summary report by Prof.S.V.Wagh, COEP & Vote of Thanks by Dr. M P Khond, CoEP.

Summary Report

The one week short term training program (STTP) on “Fundamental of Fluid Power Devices and its Applications” conducted from 6th to 10th June 2016 in association with Fluid Power Society of India ® Pune Chapter at College of Engineering, Pune went in a good note and received overwhelming response from Industry- Academic community, who actively participated with enthusiasm

Day 1: 6th June 2016

Session 1: Prof Sahasrabudhe gave lecture on Fundamentals of Fluid Power which form the base of Fluid Power Application

Session 2 & 3: Prof Kishore Arora Retd. Scientist, DRDO R & DE Dighi, Pune delivered lecture on different valves used in hydraulic circuit and the importance and utility of each of them.

Session 4: Mr. Kishore Ghadge of Eaton Technologies Pvt Ltd talked about the functions and technical advents in the field of cylinders used in Hydraulic Circuits.

Day 2: 7th June 2016

Session 1 & 2: Mr. Niteen Kardekar of Hydrocad Consultants and Designers India shared information about different pumps used in industry as per the application requirement and prevailing constraints on system design.

Session 3: Mr. Jwalant Bhatt of Material and Project Manager – Asia Pacific, Eaton Filtration and Mr. Anjeev George of Eaton Technologies Pvt Ltd covered topic in Filtration and Lubrication.

Session 4: Mr. Sandeep Manthode of Hydac India delivered lecture on Accumulators.

Day 3: 8th June 2016

Industrial visits to Danfoss Power Solutions India Pvt. Ltd. and Stauff India Pvt. Ltd. were organized. All the participants were given an opportunity to interact with Industry Experts and visited the shop-floor.

Day 4: 9th June 2016

Session 1: Mr. Atul Kunte of Eaton Technologies Pvt. Ltd. emphasized on the importance of hydraulics above all others in aerospace application being the prime driving mechanism. The details pertaining to aircrafts weighing in a diverse range from 25,000 lbs to 1,250,000 lbs gave the insights of the challenges a designer is exposed to, while providing optimum solution to a critical application as aerospace field.

Session 2: Prof. Kishore Arora Retd.Scientist,DRDO R&DE, Dighi, Pune explained the advanced circuit design and application in hydraulics with emphasis on using different valves as per the particular applications.

Session 3: Mr. Bony Paul Triada Technologies Pvt. Ltd. shared the importance of seals in system where fluids are used as media. The demand for small size seals with capacity to work with diverse media was underlined.

Session 4: Mr. Nadir Karachiwala of Hyd-Air Engineering India Pvt. Ltd. detailed the importance of pipes, hoses and convenes used in systems with their utilities and also presented few of the actual samples of joints and couplings which were brought along.

Session 5: Mr. Yashwant Ranade explained the lubrication systems with their importance

Day 5: 10th June 2016

Session 1: Mr. R. Tamhankar & Mr. Phadke presented Applications of hydraulic in defense were explained in detail by the resource person.

Session 2: Mr. Soami Das, GM-Market Development and Application Engineering, Eaton Fluid Power. Ltd. Delivered speech on Hydraulics in Mobile Applications.

Session 3: Dr. M. P. Khond, Associate Professor, COEP delivered a lecture on Reservoir explaining the significance of the shape of the reservoir was delivered.

Session 4: Mr. Yuvaraj Khapne (Senior Application Engineer at Eaton India Engineering Centre) & Mr. Shrinivas Kulkarni (Eaton Technology) delivered speech on Hydraulics in Mobile Applications.

Session 5: Discussion Session

For this session, honorable personalities from industry including Mr. Upinder Razdan (Managing Director, Sauer-Danfoss India Pvt. Ltd), Mr. Chatterjee (Managing Director, Eaton Technologies Pvt. Ltd), Prof. Kishore Arora, Mr. B.A.N. Murty (Eaton Technologies Pvt. Ltd)

Highlights of the Valedictory Function:

- STTP Summary Report by Prof. S. V. Wagh, COEP
- Sharing of feedback of the Participants
- Address by the Chief Guest Mr. Subhasis Chatterjee, Managing Director, Eaton Fluid Power Ltd.
- Address by Prof. B. B. Ahuja, Director, COEP
- Address by Mr. Upinder Razdan, Managing Director, Danfoss Power Solution India Pvt. Ltd.
- A vote of thanks proposed by Dr. M. P. Khond, COEP

Activities from FDP & STTP



Pune Chapter Banner



Discussion with Stauff Team



Certificate distribution by Honourable Chief
Guest



Group Photograph of STTP Participants



Seen in the photo from right to left Prof. S.V Wagh of COEP, Prof B.B Ahuja Director COEP, Mr. Upinder Razdan MD Danfoss Power Solutions India Pvt Ltd, Pune and Mr. Subhasis Chatterjee MD Eaton Fluid Power Ltd, Pune.