

A Two Day National Workshop on “ADVANCED MANUFACTURING SYSTEMS SIMULATION: HANDS-ON-TRAINING”

08th – 09th September, 2014

(Under TEQIP-II)

Department of Mechanical Engineering organised a Two Day National Level Workshop on “**ADVANCE MANUFACTURING SYSTEMS SIMULATION: HANDS-ON-TRAINING**” and was inaugurated by the Chief Guest Sri. Mano Kanthanathan, Managing Director, Commercial Consultancy Services, Bangalore on 08.09.2014 at 9.20 AM. A total of 28 external participants and 38 internal participants registered for the program.



Dignitaries on the dais during Inaugural Session

In the morning session on 08.09.2014, Sri. Mano Kanthanathan, Managing Director, Commercial Consultancy Services, Bangalore delivered a keynote address on “introduction to advanced manufacturing systems”. He emphasized on the basics of manufacturing systems and also the importance of simulation in Indian industries.

After the first session in the forenoon, Sri. G.N.V.Maruthi Kasyap, Director, Sun Vision Technologies, Hyderabad delivered a lecture on “Introduction to Discrete event simulation and building a simple simulation model”. Many case studies have been presented during his lecture. He also discussed on the use of Discrete Event Simulation

in manufacturing systems. Considering several functions applicable to a manufacturing system, Discrete Event Simulation roles were presented.

In the afternoon session on 08.09.2014, Sri. Ch.Phani Kumar, Senior Application Engineer, Sun Vision Technologies, Hyderabad delivered a lecture on "A review of some applications in simulation and analysis of simulation model results". Many case studies were illustrated to highlight the practical aspects. Real time applications were also discussed emphasizing on the real time issues encountered in a manufacturing system.

After the first session in the afternoon, Sri. D. Sai Niranjan, Product Specialist, Sun Vision Technologies, Hyderabad delivered a lecture on "Simulation applications in the Indian industry in manufacturing". Several interesting industrial applications and their analyses were presented to emphasize the use of simulation of manufacturing systems.

The second day of the Workshop provided rigorous and comprehensive hands-on practice on simulation of manufacturing systems using FlexSim software. The case studies considered during the lecture sessions were revisited during the hands-on simulation practice sessions. Sri.Mano Kanthanathan, Sri. G.N.V.Maruthi Kasyap, Sri. Ch.Phani Kumar, and Sri. D.Sai Niranjan interacted with the participants and provided insightful help in building accurate simulation models of the case studies considered.



Sri.Mano Kanthanathan, Managing Director, Commercial Consultancy Services, Bangalore delivering keynote address



Sri. G.N.V.Maruthi Kasyap, Director, Sun Vision Technologies, Hyderabad delivering lecture on "Introduction to Discrete event simulation and building a simple simulation model"



Sri. Ch.Phani Kumar, Senior Application Engineer, Sun Vision Technologies, Hyderabad delivering lecture on "A review of some applications in simulation and analysis of simulation model results"



Sri. D.Sai Niranjan, Product Specialist, Sun Vision Technologies, Hyderabad delivering lecture on "Simulation applications in the Indian industry in manufacturing"



Sri. Mano Kanthanathan, Managing Director, Commercial Consultancy Services, Bangalore illustrating case studies



Participants were given hands-on-training on various case studies



Valedictory Session



Participants were presented certificates by the Chief Guest



Group photo with participants