

Faculty Development Programme on “Modelling and Simulation of Engineering Systems”

(January 09-15, 2017)

Venue: Seminar Hall,
I.K. Gujral Punjab Technical University,
Kapurthala.



PTU

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

Department of Electrical Engineering

in collaboration with

**Punjab Institute of Technical Teachers Training
& Research (PITTTR)**

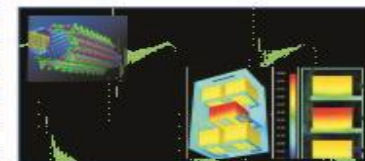
(Academic Staff College of I.K. Gujral Punjab Technical University)

About PITTTR

The institute has been rendering remarkable service to technical education in the country specially in Punjab by offering training and Faculty Development Programmes. The institute has signed (in a small journey of 4 years) MOU's with prestigious institutes and MNCs namely ISTE, NITTTR, Infosys, Wipro Mission 10X, IBM, Oracle and Success Mantra for undertaking collaborative programmes and projects for the benefit of students and teachers in the technical education institutes.

Modelling and Simulation of Engineering Systems

With the aim to acquaint the participants with present and future technological trends of modelling and simulation, this FDP is being organized by I.K. Gujral Punjab Technical University. Modelling and simulation is crucial process in designing of a system. It refers to using models—physical, mathematical, or logical representation of a system, entity, phenomenon, or process – as a basis for simulations – methods for implementing a model (either statically or) over time – to develop data as a basis for managerial or technical decision making. Modelling and Simulation helps getting information about how something will behave without actually testing it in real life. For instance, to determine which type of spoiler would improve traction the most while designing a race car, a computer simulation of the car could be used to estimate the effect of different spoiler shapes on the coefficient of friction in a turn. Useful insights about different decisions in the design could be gleaned without actually building the car. The use of **Modelling and simulation** within engineering is well recognized. Simulation technology belongs to the tool set of engineers of all application domains and has been included in the body of knowledge of engineering management. It helps to reduce costs, increase the quality of products and systems, and document and archive lessons learned.



Objective of Workshop

- The main objective of this Faculty Development Programme on “Modelling & Simulation of Engineering Systems” is to impart knowledge of modelling of various systems using different approaches for solving various engineering problems.
- To provide a platform for participants to enhance their knowledge in the field of Modelling and Simulation of Engineering Systems.
- Participants will be able to inculcate and explore new research ideas out of these interactive sessions.
- Help in motivating the participants to provide quality education.
- Brain storming sessions by experts from different domains.
- A great opportunity to learn and share the ideas regarding various advanced technologies and future research trends.
- Skill enhancement in writing of research paper

Registration Fee: Every participant is required to deposit Rs. 1000.00 as registration fee.

For details, please visit pitttr.ptu.ac.in.

Venue: Seminar Hall, I.K. Gujral Punjab Technical University, Kapurthala.

Session Details:

Date	Session-I		Session-II		Session-III		Session-IV
	9:00-10:30		11:00-12:30		1:30-3:00		3:30-5:00
09-01-2017 (Monday)	Inaugural Session				Dr. AS Bhutter, IKGPTU Main Campus		Dr Kulwinder Singh, Pbi Univ. Patiala
10-01-2017 (Tuesday)	Dr Ekta Singla IIT Ropar	T E A B R E A K	Dr Ekta Singla IIT Ropar	L U N C H B R E A K	Dr Vishal Sharma IKGPTU Batala Campus	T E A B R E A K	Dr Jayanti Dutta , PU Chandigarh
11-01-2017 (Wednesday)	Dr. C C Reedy, IIT Ropar		Dr. C C Reedy, IIT Ropar		Dr Rakesh Goyal, IKGPTU Main Campus		Dr Manoj Saxena, Central Univ, HP
12-01-2017 (Thursday)	Dr. R. S. Kaler, Thapar University		Dr. R. S. Kaler, Thapar University		Dr Jaspreet Chahal IKGPTU Main Campus		Dr. Amit Gupta IKGPTU Dinanagar Campus
13-01-2017 (Friday)	Dr. Yogesh Vijay Hote, IIT Roorkee		Dr. Yogesh Vijay Hote, IIT Roorkee		Dr. Y S Brar , IKGPTU Main Campus		Panel Discussion
14-01-2017 (Saturday)	Dr P K Agnihotri, IIT Ropar		Dr P K Agnihotri, IIT Ropar		Dr Dalveer Kaur, IKGPTU Main Campus		Panel Discussion
15-01-2017 (Sunday)	Dr. A.K Paul, Vice Chancellor, DAV University				Dr. A.K Paul, Vice Chancellor, DAV University		

Important dates:

Last date of registration is **31-12-2016**

Last date for payment of registration fee: **31-12-2016**

The dully filled registration form shall be mailed to **fdp@ptu.ac.in**

**Next FDP on
"Soft Computing and allied Technologies"
shall be held on
January 16 - 22, 2017**

Chief Patron

Sh. Rakesh Kumar Verma, I.A.S.

Vice Chancellor

I.K.G. Punjab Technical University, Kapurthala

Patron

Dr. N.P. Singh

Dean P&D

I.K.G. Punjab Technical University, Kapurthala

Chief Co-ordinator

Dr. B.P. Garg

Registrar (PITTTR)

I.K.G. Punjab Technical University, Kapurthala

Coordinators

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I.K.G. Punjab Technical University, Kapurthala

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For any Query Please Contact:

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Organizing Committee

Dr. Yadwinder Singh Brar, **Professor (E E)**

Dr. Avtar Singh Buttar, **Assoc. Professor (ECE)**

Er. Gagandeep Kaur, **Assoc. Professor (E E)**

Dr Dalveer Kaur, **Assistant Professor (ECE)**

Dr. Deepak Kumar Goyal, **Assistant Professor (ME)**

Dr. Jujhar Singh, **Assistant Professor (ME)**

Dr Amoljit Singh Gill, **Assistant Professor (ME)**