

ABOUT THE UNIVERSITY

I. K. Gujral Punjab Technical University (PTU) situated on Jalandhar-Kapurthala highway was established in year 1997, to promote technical, management and pharmaceutical education in the state at graduate, post graduate and doctorate level. It was named as I. K. Gujral Punjab Technical University by State Government in the honour to Late Sh. Inder Kumar Gujral, Former Prime Minister of India, in 2015. University has 12 own campuses, 121 AICTE and 65 UGC institutes affiliated with it. The University has a rich strength of students, which also includes 1,500 plus international students from about 30 countries. I. K. Gujral Punjab Technical University (PTU) has bagged the much coveted Best Technical University Award for the year 2013, The Award, instituted by Indian Society for Technical Education (ISTE) and Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, encourages technical universities to enhance their performance and to serve the community by improving quality and maintaining the standard of the programs offered.

ABOUT THE DEPARTMENT

The department of Electronics & Communication Engineering offers B. Tech. (ECE) and M.Tech. ECE (Wireless Communication). The main objective of the department is to explore the Advanced Electronics and Wireless Technologies & Systems such as Wireless Sensor Networks, Wireless Fidelity, Software Defined Radio and Cognitive Radios, Advanced Long Term Evolution, OFDM, 3G, 4G, 5G Technologies, Smart Antennas, WiMAX, MIMO Systems etc. The Department has well dedicated Ph.D. qualified faculty providing the excellent guidance to the advanced level. The faculty has Patents and Research Publications in the reputed Journals and attended National and International Conferences.

ABOUT PITTTR

The institute has been rendering remarkable service to technical education in the country especially 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.

Chief Patron

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

Patron

Dr. N. P. Singh
Dean P&D

Chief Co-ordinator

Dr. Avtar Singh Buttar
Associate Professor
(Department of Electronics
& Communication Engineering)

Coordinators

Dr. Dalveer Kaur
Assistant Professor
(Department of Electronics
& Communication Engineering)

Dr. Rakesh Goyal
Assistant Professor
(Department of Electronics
& Communication Engineering)

Address for any Query

Dr. Rakesh Goyal
Coordinator
Department of Electronics
& Communication Engineering
Mobile. No. 9465884826,
Email: drakeshgoyal15@gmail.com

Organizing Committee

Dr. B. P. Garg, Registrar (PITTTR) Chairman
Dr. Y. S. Brar, Professor (EE)
Dr. Monika Sachdev, Assoc. Professor (CSE)
Er. Gagandeep Kaur, Assoc. Professor (EE)
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Er. Shampal Singh, Research Scholar (ECE)



FACULTY DEVELOPMENT PROGRAMME on

“Role of Matlab in Engineering Applications”
(February 20-24, 2017)

Sponsored by :

**Punjab Institute of Technical
Teachers Training & Research (PITTTR)**
I. K. Gujral Punjab Technical University
Jalandhar

Organized by

**Department of Electronics
& Communication Engineering**
I.K.Gujral Punjab Technical University
Main Campus, Near Pushpa- Gujral Science City
Ibban, Kapurthala-144603
Phone : 94780-98053, 94658-84826
Email : hodecc@ptu.ac.in

PREAMBLE

In the recent years advanced technologies have been evolved for solving problems in engineering and sciences and similar fields which often remained intractable to conventional mathematical and analytical methods. The name MATLAB stands for Matrix Laboratory. MATLAB was originally written to provide easy access to matrix software developed by the LINPACK and EISPACK projects. Today, MATLAB engines incorporate the LAPACK and BLAS libraries, embedding the state of the art in software for matrix computation. MATLAB features a family of add-on application-specific solutions called toolboxes. Very important to most users of MATLAB, toolboxes allow you to learn and apply specialized technology. Toolboxes are comprehensive collections of MATLAB functions that extend the MATLAB environment to solve particular classes of problems. This program targets to give broad exposure to the research and industrial applicability of all engineering models including Electronics, Electrical, Mechanical, Fuzzy systems, Neural Networks, Evolutionary Computations machine learning genetic algorithms and other recent ideas for the faculty members and research scholars to discuss the state of the art applications, perspective of future developments relevant to their field.

COURSE CONTENTS

Basics of MATLAB and its Applications in:

- Digital Signal Processing
- Image Processing
- Genetic Algorithm
- Fuzzy System
- Neural Network
- Communication Systems
- Data Acquisition
- Optimization

RESOURCE PERSONS

Dr. A. K. Goel, MRS PTU, Bhatinda
Dr. Manoj Kumar, UIET, Chandigarh
Dr. Arun Khosla, NIT, Jalandhar
Dr. Harsh Verma, NIT, Jalandhar
Dr. J. S. Sahambi, IIT, Ropar
Dr. Dilbagh Singh, NIT, Jalandhar
Dr. Nitin Saluja, Chitkara University, Rajpura

ELIGIBILITY

The faculty members/ research scholars from institutes affiliated to various universities / polytechnics and professional from industry are eligible to apply for the programme.

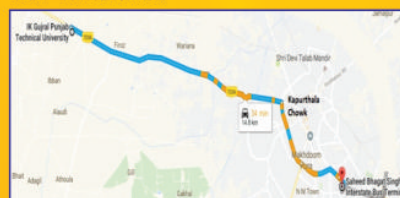
REGISTRATION

Every participant is required to pay Rs. 1000/- as registration fee. For payment of fee please visit pitttr.ptu.ac.in. The duly filled registration form shall be mailed to fdp@ptu.ac.in. The last date of registration and payment of registration fee is February 15, 2017. The intimation of selection will be sent on February 17, 2017.

ABOUT KAPURTHALA

The capital of the princely state of Kapurthala, the city is often referred to as the 'Paris of Punjab' due to its Indo-Saracen and French architecture. The city is famous tourist attraction in state due to its attractive buildings and gardens. The best places to visit in city are Pushpa Gujral Science City, Kanjali Wetland, Shalimar Gardens, Moorish Mosque and Rail Coach Factory.

How To Reach Us



**Next FDP on "Design,
Simulation and Fabrication of
MIC Components" will be held on
April 10-14, 2017**

FACULTY DEVELOPMENT PROGRAMME ON “ROLE OF MATLAB IN ENGINEERING APPLICATIONS” (January 20-24, 2017) REGISTRATION FORM

Name:.....

Designation:.....

Institute/ College/University:.....

Academic Qualification:.....

Area of Specialization/Interest:.....

Mailing Address:.....

E-mail Id:.....

Accommodation required (Yes/ No):.....

Registration fee details (Transaction Id/ DD No.):.....

Contact No.:.....

Date:..... Signature of Participant

Place

Kindly mail the scanned copy of filled Registration

Form to: hodecc@ptu.ac.in