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Assistant Professor
IKGPTU

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For any Query Please Contact:

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**Faculty Development Program
On
Research Methods for
Data Analysis for
Engineers and Researchers**

(22nd April - 28th April, 2017)



Organized by:

Department of Food Engineering

in collaboration with

Faculty of Teacher Training and Education

I.K. Gujral Punjab Technical University

Main Campus, Near Pushpa-Gujral Science City,

Kapurthala – 144603

Email: fdpcoordinator.fe@ptu.ac.in

Contact No.: 9915190016, 94780-98069



About the University

I.K.Gujral Punjab Technical University (IKGPTU) was established by an Act of State Legislature on 16th January, 1997, to promote technical, management and pharmaceutical education in the state at degree level and above. It was established as Punjab Technical University and renamed as I.K.Gujral Punjab Technical University by State Government in the honor to Late Sh. Inder Kumar Gujral, Former Prime Minister of India, in 2015. The University has the mandate to set up centres of excellence in emerging technologies and for promoting training, research and development in these areas. The University has undertaken the task of training students to help in the development of skilled manpower in this sector in the country in general and in the state in particular. With this goal in mind, the university is promoting a number of courses in different streams in regular as well as distance education programmes. At present University have 121 AICTE and 65 UGC institutes affiliated with it. IKGPTU 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 as well as stakeholders by improving quality and maintaining the standard of the programs offered.

About the Department of Food Engineering

Department of Food Engineering is an industrial research promoting Department at I.K. Gujral Punjab Technical University, offering Post Graduation course M. Tech. Food Technology. Amalgamating conventional Biological Sciences with modern genomic and proteomic technologies, thereby encompassing various engineering aspects of the processing are emphasized during the study. Department has experienced faculty with vast academic experience. Teaching methodology includes Lectures, Tutorials, Journal Clubs, Seminars, Practical laboratory work and much more. Interactive experiential form of teaching is provided in order to enable the students to apply their knowledge learnt in the classroom into their practical life and jobs. Department regularly organizes guest lectures by experts from industry, academic & research institutions.

About Faculty of Teacher Training and Education

The Faculty of Teacher Training and Education, earlier known as PITTR, has been rendering remarkable service to technical education in the country specially in Punjab by offering training and Faculty Development Programmes. The university has signed 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 benefits of students and teachers in the technical education institutes.

Faculty Development Program On Research Methods for Data Analysis for Engineers and Researchers

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Discipline of FDP

- Research Methodology

Topics

Basics of research, formulating research problem, types of research, research design, formulation of hypothesis, data collection, sampling design and techniques, questionnaire designing, univariate data analysis, correlation analysis, linear and multiple regression, ANOVA, MANOVA, factor analysis, structural equation modeling, analytical hierarchy processing, factorial design, response surface methodology, report writing, publishing in top quality journals.

Objectives of FDP

- To provide extensive hands on training sessions on data handling, analyzing and deriving preliminary results for different data.
- To know the application of right tools and techniques while conducting research.
- To conduct practice session with case studies based on underlying assumptions of the statistical tools, research methodology and interpretations of results and its presentation.

Benefits of FDP

- The training helps the researchers to have insight into the latest developments in Research methodology.
- The researchers will be able to learn various latest emerging trends in data analytics.
- Researchers will be made familiar with various issues like determining appropriate tools and techniques for data analysis, publishing in quality journals, plagiarism checks etc.
- Faculty members help their research students to exploit & explore new research areas using the knowledge they gained by attending these FDPs.

Resource persons

- Eminent speakers from academia and industry would enlighten the delegates by sharing their experiences.

The Participants

The faculty members / research scholars from institutions affiliated to various universities / polytechnics and professionals from industry in the area of engineering, management, and allied areas are eligible to apply for the programme.

Numbers of Seats

The numbers of the seats for the participants in the FDP has been limited to **forty**. These seats will be reserved on First-Come-First-Serve basis.

Last date of Application:

The registration process however will be closed on **April 14, 2017 (Friday)** or receipt of 40 confirmed applications irrespective of the last date. So you are advised to apply at the earliest and confirm your participation.

Registration Fee:

- a) Research Scholar Rs. 500/-, Faculty Rs. 1000/-, Industry Participant Rs. 2000/- (Fee includes FDP materials, tea and lunch).
- b) Accommodation will be charged extra and will only be provided to outstation participants (on twin sharing basis) in the university/or near by hotel subject to availability of rooms and as per university/hotel rates.

How to apply:

Registration Form (Duly filled in) along with registration fee must be sent through Registered\Speed post\Courier to: Head, Department of Food Engineering, IKGPTU, Kapurthala, Punjab.

Mode of payment

The payment of the registration fee can be made through Online (NEFT), the details of which have been listed below:

Beneficiary Name: IKG Punjab Technical University.

Bank A/c: 50100038234222

Name of Bank: HDFC Bank

Branch: IFSC: HDFC0003402

Venue of FDP: Seminar Hall, 3rd Floor, IKGPTU, Kapurthala.

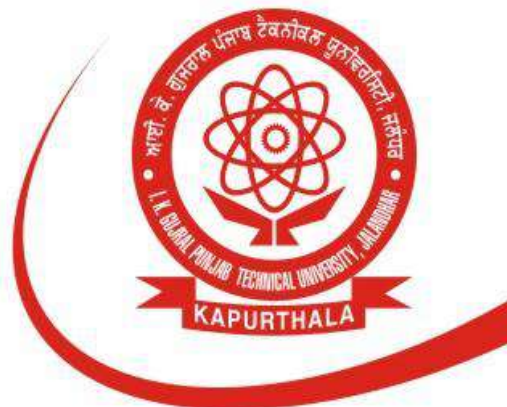
Important Note:

1. FDP registration fee is not refundable.
2. Registration form can be downloaded from university website: www.pitttr.ptu.ac.in
3. All the participants must bring their own laptop along with power cords and scientific calculator.
4. Participants interested for the accommodation should send a request mail to the FDP coordinator in advance. Accommodation for residential participants will be provided on twin-sharing basis.

How to reach us :



Faculty Development Program
On
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Data Analysis for
Engineers and Researchers
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REGISTRATION FORM

Name:

Designation:

Department:

Institute/College/University:

Email ID: Contact No:

Mailing Address:

Academic Qualification:

Area of specialization / interest:

Accommodation required (Yes / No):

Payment Details

1. Amount (Rs)..... 2. NEFT transaction number.....
2. Date of payment..... 3. Name of bank and Branch.....

Note: Account Details for NEFT: Kindly See the brochure or visit pitttr.ptu.ac.in

I understand / State that:

1. I will not claim any T.A. / D.A. by the organizers for participating in FDP.
2. I will bring my own laptop to gain hands on experience during the FDP.
3. I have to attend all the sessions of the FDP and be punctual.
4. I have taken the due permission from my employer for attending the FDP.

Date:

Signature of the participant

Place:

Note:

1. Scanned copy of duly filled registration form and payment detail must be sent by email to fdpcoordinator.fe@ptu.ac.in
2. FDP registration fee is non-refundable.