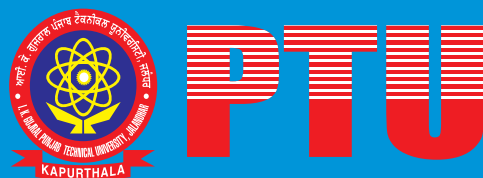


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**IRC-UHVE**  
**I.K.Gujral Punjab Technical University, Kapurthala**



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

in association with Science and Engineering Research Board,  
Department of Science and Technology, Government of India, New Delhi



announces  
**One Week Workshop on Data Analytics**  
**7<sup>th</sup> to 12<sup>th</sup> June 2016**

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**Venue: I. K. Gujral Punjab Technical University, Kapurthala**

### **About the University**

I.K.Gujral Punjab Technical University (PTU) 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.

### **About the IRC-UHVE**

An International Resource Centre for Universal Human Values & Ethics (IRC-UHVE or the centre) was established at Punjab Technical University in August 2014 after 3 years of rigorous effort of evaluating the veracity and effectiveness of the Universal Human Values approach to value education. This approach has also been successfully tried out and is now established at 35 universities in 7 states of India and one universities in Bhutan.

The centre coordinates the foundation program at PTU and engages with teachers & students in an effort to develop teachers and entrepreneurs. The overall idea is to develop such people with the vision and competence to develop a humane society. When there are sufficient numbers of such people in any region, a humane family and humane society can slowly materialize.

### **About the Workshop**

The objective of this Workshop is to build and enhance research orientation amongst faculty members/research scholars. Thus, the focus is to improve upon the quality of research by the use of latest technology and software. Business researchers find themselves severely constrained in their research work due to lack of adequate understanding of statistical analysis and techniques. Research data often remains unanalyzed and unpublished on this account. Hence, as a business researcher building awareness, understanding and appreciation of the systematic use of statical methods, software and analytical techniques is vital. Thus, the goal of the series of Workshop on Data Analytics is to help improve the statistical and analytical skills of business researchers.

This workshop is designed to focus on major areas research in the form of Regression analysis, Exploratory and Confirmatory Factor Analysis, Structural Equation Modelling (SEM). The workshop will be conducted through SPSS, AMOS and R.

### **Key Highlights**

The key highlights of the Workshop are:

- Hands on training sessions on data handling, analyzing and deriving preliminary reslts.
- sessions with varied software including SPSS, Amos and R
- Practice session with model exercises.
- Discussion on the underlying assumptions of the statistical tools.
- Discussion on common errors in research.
- Discussion on the interpretations of results and presentation.

## Tentative Technical Schedule

Date	Session-I	Tea	Session-II	Lunch	Session-III	Session-IV
	9:00-10:45	10:45-11:00	11:00-12:45	12:45-1:30	1:30-3:15	3:15-5:00
07-06-2016 (Tuesday)	Basics of Research Methodology	Tea	Sampling	Lunch	Questionnaire Design	Questionnaire Design
08-06-2016 (Wednesday)	Handling Data in SPSS Data Entry, Data Editing and Data Transformation	Tea	Handling Data in SPSS Data Entry, Data Editing and Data Transformation	Lunch	Validity and Reliability	Validity and Reliability
09-06-2016 (Thursday)	Descriptive Statistics	Tea	Correlation	Lunch	Testing of Hypothesis (Parametric & Non Parametric Tests)	Testing of Hypothesis (Parametric & Non Parametric Tests)
10-06-2016 (Friday)	Regression Analysis: Introduction and Underlying Assumptions	Tea	Regression Analysis: Introduction and Underlying Assumptions	Lunch	Special Cases in Regression Analysis	PROBIT and LOGIT Models
11-06-2016 (Saturday)	Cluster Analysis and Conjoint Analysis	Tea	Cluster Analysis and Conjoint Analysis	Lunch	Discriminant Analysis	Exploratory Factor Analysis
12-06-2016 (Sunday)	Exploratory Factor Analysis	Tea	Confirmatory Factor Analysis	Lunch	Confirmatory Factor Analysis	Confirmatory Factor Analysis

### Resource Persons

The course content will be delivered from a pool of experts on the subject from reputed academic institutes i.e. IIT's, IIM, NIT's, Central universities and State universities. Apart from academic institutions, experts from industry will supplement the practical aspects of the course contents.

### For Whom

- Academicians· Research Scholars· Research Professionals in Industry· Ph. D. Students· Final year PG Student .The total numbers of external participants shall be restricted to 30. The participants are required to bring their laptop for the hands on sessions.

### Participation Fees

The registration fees for the workshop is (2500/- for teachers with stay, 2000/- for teachers without stay, 1500/- for students (non-JRF) with stay, 1000/- for students (non –JRF) without stay, All delegates are required to register for the conference as per the details. fee is payable by DD in favor of 'Registrar, I.K.Gujral Punjab Technical University' payable at Jalandhar. the Draft should be sent to the Conference Coordinator and should be accompanied by Dully filled application form latest by 30<sup>th</sup> may 2016.

Mailing adress for sending the filled registration from and demand draft

**Dr. Jagmeet Singh Bawa**

**IRC-UHVE.I.K.Gujral Punjab Technical University**

**Kapurthala-144601**

**Mob: 9478098071**

**E-mail: jagmeet.bawa@gmail.com**

Checklist for Application:

1. Duly filled-in application form. 2. Demand draft.

**Workshop (7th to 12th June 2016)**  
**On Data Analytics Organized by**



**PTU**

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**IRC-UHVE I. K. Gujral Punjab Technical University, Kapurthala**



**PTU**

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**REGISTRATION FORM**

NAME OF PARTICIPANT (Dr./Mr./Ms.) .....

DESIGNATION: .....

ARE YOU GETTING SCHOLORSSHIP (FOR RESEARCH STUDENTS ONLY) : .....

COMPANY/INSTITUTE/UNIVERSITY: .....

ADDRESS: .....

CITY:.....STATE: .....PIN: .....

TELEPHONE: .....(WITH STD CODE) FAX: .....

MOBILE NO: .....E-MAIL: .....

**REGISTRATION FEE DETAILS**

DEMAND DRAFT NO./ RECEIPT NO: .....

DATE:

(Photocopy of this form may also be used)

(Signature)