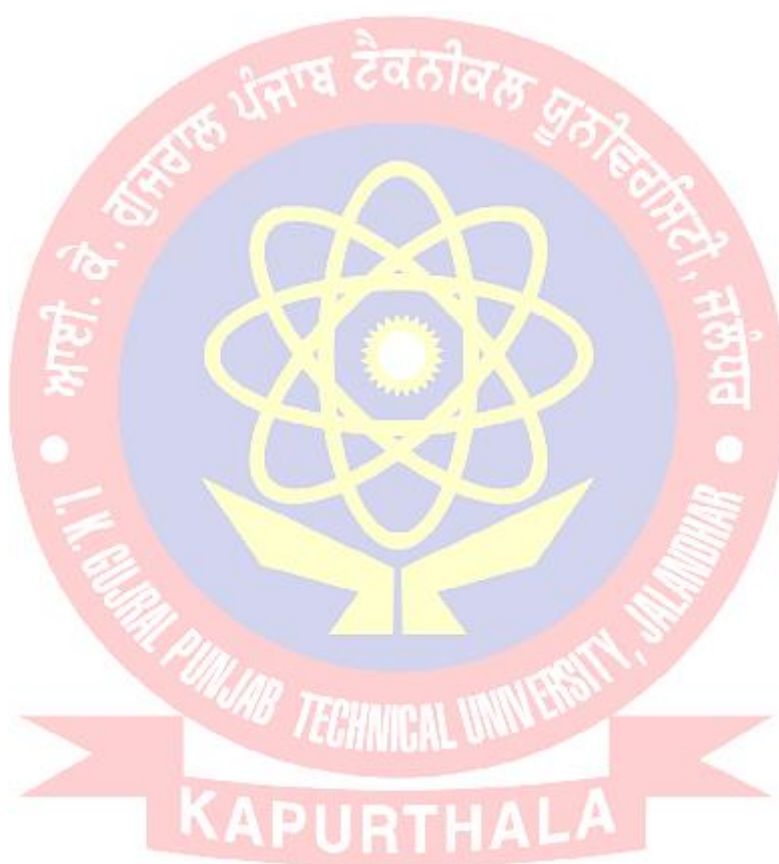


### 6.3.3

**Professional Development / Administrative Training Programmes organized for Teaching and Non-Teaching staff.**






Annexure DFST. 6.3.3

Brochures.FDP

Total Page -

Faculty Development Program  
On  
Research Methods for  
Data Analysis for  
Engineers and Researchers  
(22<sup>nd</sup> April - 26<sup>th</sup> April, 2017)



To \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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 - 141003  
Email: fdpcoordinator@ptu.ac.in  
Contact No.: 9915190016 / 9915190017

32  
12/11/21

P-1



**Chief Patron**

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

**Patron**

Dr. N.P. Singh  
Dean P&EP

**Chief Co-ordinator**

Dr. B.P. Garg

**Registrar**

Faculty of Teacher Training & Education

**Co-ordinator**

Er. Barinderjit Singh  
Assistant Professor  
IKGPTU

**Organizing Committee**

1. Dr. Maninder Singh Gill,  
Professor, ACET
2. Dr. Rajneesh Kant Sachdev,  
Head FE, IKGPTU
3. Dr. Shabir Sidhu  
Assistant Professor, IKGPTU
4. Mr. Jatinderbir Singh,  
Senior Assistant, IKGPTU
5. Er. Harleen Kaur  
Technical Assistant, IKGPTU

**For any Query Please Contact:**  
Er. Barinderjit Singh

**Faculty Development Program  
On**

**Research Methods for  
Data Analysis for  
Engineers and Researchers**

(22<sup>nd</sup> April - 28<sup>th</sup> April, 2017)



21  
12/1/21

Organized by:  
**Department of Food Engineering**

in collaboration with  
Faculty of Teacher Training and Education  
I.K. Gujral Punjab Technical University  
Jalandhar, Punjab



### 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 PITTTR, 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

### Faculty Development Program

On

### Research Methods for

### Data Analysis for

### Engineers and Researchers

(22<sup>nd</sup> April - 28<sup>th</sup> April, 2017)



21  
13/10/21

### REGISTRATION FORM

Name: .....

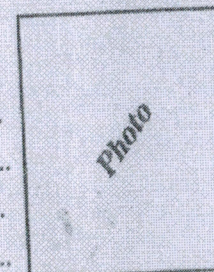
Designation: .....

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.....
3. Date of payment.....
3. Name of bank and Branch.....

Note: Account Details for NEFT: Kindly See the brochure or visit [pitttr.ptu.ac.in](http://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.



# Report

FDP on Research Methods for  
Data Analysis for Engineers

C22/4/2017 to 28/4/17

**7 Day Faculty Development Programme begins at I.K. Gujral Punjab Technical  
University**

7 Day Faculty Development Programme on Research Methods for Data Analysis for Engineers and Researchers begins today at I.K. Gujral Punjab Technical University organized by Department of Food Engineering in collaboration with Faculty of Teacher Training and Education. This FDP is in line with the UGC's norms for a week long programmes that are essential for measuring the performance of academics all across the country. This FDP is a unique offering in the region with resource persons coming in from various universities of repute across the country.

The orientation of the FDP is aimed towards understanding the basics of research in diverse perspectives and some advance and contemporary techniques important for research these days. This 7-day hands-on practical FDP aims at providing new insights into comprehending appropriateness of statistical software for the analysis of research data. Teaching pedagogy includes theoretical lectures as well as hands-on practical sessions using various softwares. Detailed sessions on how to write research objectives; hypothesis testing; understanding research and sampling designs; univariate and bivariate data analysis; chi-square test; ANOVA; MANOVA and much more.

Participants from Guru Nanak Dev University, Punjabi University, DCR University of Science and Technology, NIT and other affiliated colleges of IKGPTU are participating with great enthusiasm in this FDP. Day 1 saw the participants being exposed to the basics of research, scaling and measurement and instrument development. Three sessions of 90 minutes each were delivered by Dr. Bikramjit Singh Mann, Professor and Former Head, University Business School, Guru Nanak Dev University. A unique aspect of research which is qualitative in nature will be covered by Dr. Kirti from University of Pune on Day 2.

Dr. N. P. Singh (Dean, Planning and External Programs), IKGPTU and the Chief Guest for the inaugural session said that these multi-disciplinary FDPs should be planned and conducted to sensitize the people towards research and its quality and promote cross disciplinary research. Dr. B.P. Garg (Registrar, Faculty of Teacher Training and Education); Dr. Rajneesh Sachdev (Director and Head, Department of Food Engineering); Er. Barinderjit Singh (Coordinator, FDP); Dr. Shabir Sidhu (Assistant Professor, Department of Food Engineering); Mr. Jatinderbir Singh (member, organizing committee) graced the stage with their presence.

21  
12/11/21



Annexure DFT-6.3.3. list of Participants -  
Total Page - 03

I.K. Gujral Punjab Technical University  
FDP on Research Methods for Data Analysis for Engineering (22.04.2017 to 28.04.2021)

List of Participants

NAME	DESIGNATION	DEPARTMENT	COLLEGE/UNIVERSITY	EMAIL ID	CONTACT NO.	ADDRESS	AREA OF INTEREST	ACCOMMODATION REQUIRED	TRANSACTION ID/NO.	DATE OF PAYMENT	NAME OF BANK & BRANCH
Aman Soi	research scholar	mechanical engineering	IKGPTU	amansoi85@gmail.com	9501894900	VPO kalanaur, dist. Gurdaspur punjab	Thermal/heat/solar energy	no			
Anu Gupta	ASSISTANT PROFESSOR	Food Science and Technology	Dav college, Jalandhar	anugupta1600@gmail.com	9814814711	near dav college jalandhar	biochemistry	no	CLBLN17107000626	17-Apr-17	capital area bank- jalandhar
Balvinder Singh	research scholar	MANAGEMENT	IKGPTU	baladv40@gmail.com	9417005963	WH 129 kapurthala road jalandhar	finance	no	86	11-Apr-17	hdfc, vijay nagar jalandhar
CHITRA MISHRA	ASSISTANT PROFESSOR	MANAGEMENT	Govt. Mohindra College, Patiala	mishrachitra76@gmail.com	9779163401	#74 phase 2 urban estate, patiala	management		SAA43277256utr: ORBCH17105063498	15-Apr-17	OBC, Mohindra College, patiala
Deepshikha	research scholar	management	Punjabi University	nishadgr93@gmail.com	7696605971	HL-451 phase 9 mohali	Hr	NO	P17040640569849	06-Apr-17	canara bank
Ekjot Kaur	ASSISTANT PROFESSOR	COMMERCE	Dav college, Jalandhar	kekjot@yahoo.com	9876597218	s-255 industrial area, jalandhar	business administration	no			
Eureka Kashyap	research scholar	management	CGC	eurekakashyap@gmail.com	9891280001	18 fourth floor block RP pitampura, maurya enclave, new delhi	business administration	yes	710613161185, 711011573229	16-Apr-17	KOTAK MAHINDRA
Geetika Madaan	research scholar	university school of business	chandigarh university	geetumadaan2009@gmail.com	9888350220	109, shankar garden colony, jalandhar	statistics, accounting and finance	no	2751A1	06-Apr-17	HDFC, MUKHERJING R, DELHI
Gulab	research scholar	management	IKGPTU	touchhumanity3011@gmail.com	9968932156	SMQ-77/3 air force station bani camp, Nojafgarh, New Delhi 110043	organisation behaviour	yes	P17041744503193	17-Apr-17	syndicate bank IFSC: SYN0009080
Gurpreet Kaur aulakh	research scholar	management	Punjabi University	gurpreetkaulakh@gmail.com	8559019787	53 medical enclave circular road amritsar	online consumer buying behaviour	yes	IMPS: 709313571192	03-Apr-17	canara bank
Harinder Kaur Deo	ASSISTANT PROFESSOR	management and commerce	BKCMT	harinder.randhawa@gmail.com	9914567607	926/b-34 chander nagr civil lines ludhiana	Hr/ Economics	no	INDBH17100472012	10-Apr-17	INDUSLND, pakhowal road, ludhiana
Jagjeet Kaur	research scholar	education and community service	Punjabi University	jagjeetanttal@gmail.com	9888139830	village noorkherian p/o punjabi university	education		ORBCH17105063696 saa77454432	15-04-2017	OBC, Mohindra College, patiala
KAMALDEEP KAUR MAKKAR	ASSISTANT PROFESSOR	COMMERCE	SIKH NATIONAL CLG, BANGA	kamalnaaz@gmail.com	9872860254	c/o national clinical lab, 1st floor bansilal market, banga road, phagwara	finance	no	889243050A1	11-Apr-17	HDFC railway road, phagwara
Kanika Arora	ASSISTANT PROFESSOR	management	Rayat Bahra Institute, Hosiarpur	krishna5kanika@gmail.com	9463117799	H. No. 420 street no.6 kamalpur hosiarpur	finance	no	PUNBH17095271011/00910	05-Apr-17	PNB, RAILWAY ROAD HOSIARPUR
Komal Arora	ASSISTANT PROFESSOR	Botany	Dav college, Jalandhar	komal.swami@yahoo.com	9216293091	dav clg, dayanand ngr, jalandhar	botany	no	91134540	06-Apr-17	PNB dav clg jalandhar
Komal Arora	HOD	Botany	Dav college, Jalandhar	komal.swami@yahoo.com	9216293091	Dayanand Nagar, Jalandhar					
Kuljit Kaur	research scholar	management	IKGPTU	nancybhatia89@gmail.com	9780654421	869/101 mohalla preet ngr block no C Kapurthala	marketing	no	8651A1	22-Mar-17	hdfc, lbba
Madhvi Julka	Assistant professor	Management	CT Institute of Management and information technology	julka.madhvi88@gmail.com	9646322001	B-32/356 Mishran mohalla chakri bazar, Batala	Marketing (Business Administration)	no	CBINH17103116006	13-04-2017	

22/12/17



Manish Dev	research scholar		NIT, Jalandhar	devmanish08@gmail.com	9872421228				IRD114693&STBP217101196535	11-Apr-17	stbp
Minakshi Sharma	ASSISTANT PROFESSOR	Biotech	Dav college, Jalandhar	minakshi.sharma23@gmail.com	9988582361	H.no.41, Sudarshan park, Mazsudan, Jalandhar	Biotechnology	no	PUNBH 17097629196	04-07-2017	
Munish Gupta	ASSISTANT PROFESSOR	COMMERCE	St. Soldier Clg, Jalandhar	munish.gupta0702@gmail.com	9872173007	1904 malhan street kartarpur	banking and finance	no	1177250757	29-Mar-17	icici kartarpur
Navdeep Kaur	research scholar	MANAGEMENT	Punjabi University	navdeppup@gmail.com	8054520426	1001 SST Nagar patiala punjab	corporate social responsibility	No	IRD1177456	11-Apr-17	SBOP DMW PATIALA
Neha Talwar	ASSISTANT PROFESSOR	management	St. Soldier Clg, Jalandhar	neha.talwar26.nt@gmail.com	9646223986	WK 153 basti guzan, jalandhar	finance and banking	no	7.09112E+11	01-Apr-17	icici bank kartarpur
Nishant	ASSISTANT PROFESSOR	computer sciences	St. Soldier Clg, Jalandhar	nishantjindal1@yahoo.co.in	9501457800	147/148 raja garden, kpt road jalandhar	computer architecture	no	2499541	07-Apr-17	icici, nakodar road
Nittan Arora	ASSISTANT PROFESSOR	Business Management	CT Institute of Management and information technology	nittanrora@yahoo.com	9988172074	H. No. 6, W. No. 10, Mohalla Darzian, Sultanpur Lodhi, Kapurthala	finance/marketing	no	AXMB170979701522 AXMB171000016412 AXMB171009978179	07-04-2017, 10-Apr-2017	Axis Bank
Palvi Jearth	research scholar	management	Punjabi University	jairath91@gmail.com	9988282133		MARKETING	YES	FR00655233	04-Apr-17	SBI, Patiala
Pandu Rangarao	lecturer	COMMERCE	PR Govt College Kakinada	jettirangarao@gmail.com	9441069978	PR Govt College Kakinada	finance	YES			
Parminder Kaur	ASSISTANT PROFESSOR	COMMERCE	St. Soldier Clg, Jalandhar	pinki_phill@yahoo.com	9464014947	84 amar garden bypass jalandhar	management	no	PSIBH17090725664	31-Mar-17	punjab and sind bank, MGN, Jalandhar
Parul Shair	research scholar	management (business administration)	IKGPTU	parulshair@gmail.com	9646303558	54-A parkash nagar model townjalandhar	financebusiness environment, accounting and	no	ORBCH17107026085	17-Apr-17	OBC, PARK lake hotel, jal
Parveen Kumari	research scholar	management	Punjabi University	parveenkumarim.phill@gmail.com	7876797102		e-commerce	YES	5.01E+12	29-Mar-17	hdfc, GREEN field
Payal Sharma	ASSISTANT PROFESSOR	applied sciences	DAVIET, JALANDHAR	psharma.daviet@gmail.com	9465390017	#30, lane no. 3 friends colony opp DAV college, jalandhar	material sciences	no	utr: PUNBH17107602533 SD:1337690877	17-Apr-17	PNb, Daviet kabir Nagar Jalandhar
Pooja Puri	Associate Professor	Management	Amritsar college of engineering and technology	pooja_puri25@yahoo.co.in	9417880947	71-C gali no. 2 new partap nagar gural bazaar amritsar	finance, management	no	ORBCH17105076629	15-Apr-17	OBC bank, partap nagar
Pragya Yadav	research scholar	Biotech	SSNIBE	pragyayadav21@gmail.com	8726169659	h.no. 10,SSS NIBE Campus, KPT(PB)	Biotechnology	no	35301759	04-06-2017	
Prince Kumar	research scholar	management studies	DCR UNIVERSITY of science and technology muthal sonipat	princemail9@gmail.com	9467770608	896/29 dev nagar gali no. 2 sonipat haryana	marketing	yes	IMPS00026788105	14-Apr-17	sbi, FARIDABAD sector-7
Priyanka Kaushik	research scholar	management	IKGPTU	kaushik_priya90@gmail.com	964677672	H.E. 12 Phase 5 mohali	marketing management	no	6437A1	29-Mar-17	hdfc, Ibban
Raghav Gupta	ASSISTANT PROFESSOR	computer sciences	St. Soldier Clg, Jalandhar	raghav.gupta680@gmail.com	9888532726	295 ashoke ngr, jalandhar	networking	no	PSIBH17090725745Q	31-Mar-17	punjab and sind bank, MGN, Jalandhar
Rahul S. Mor	research scholar	Industrial and production engg.	NIT, Jalandhar	iersmor@gmail.com	8699051386				IRD11468&stbp217101196541	11-Apr-17	stbp
Rajwinder Kaur	research scholar	management	IKGPTU	rajwinderlaur189@gmail.com	9872040702	h. no. c-254 near shiv mandir VPO kalvanpur, jalandhar	HR	no	SBIN117087147227	28-Mar-17	SBI,ADB KALYANPUR

31/12/21

P 2 of 3



Rakesh Goyal	ASSISTANT PROFESSOR	ECE	IKGPTU	drakeshgoyal15@gmail.com	9988834220	32, Thakur singh colony, Bashirpura, Jalandhar	OPTICAL WIRELESS COMM.	NO			
Renuka Malhotra	ASSISTANT PROFESSOR	BIOTECHNOLOGY	Dav college	malhotra7r@gmail.com	9855722511						
Sandeep Kaur	research scholar	management	Punjabi University	caursandeep22@gmail.com	869931026	sukhdev singh, vpo lakhana kalan	finance/marketing	no	1.17041E+14	06-Apr-17	canara bank, choti baradari patiala
Sandeep Kaur	research scholar	management	Punjabi University	1993sandeepk@gmail.com	8054141796	vill. Katani khura PO katani kalan, ludhiana	finance	no	P1704064057357	06-Apr-17	canara bank, choti baradari patiala
Sanjay Singh	research scholar	MANAGEMENT	Punjabi University	sanjay.rawat777@yahoo.com	9988709188		FINANCE		FR00655215	04-Apr-17	SBI
Sarbjot Kaur	research scholar	management	Punjabi University	sarbjot91@gmail.com	8568851939		finance		FR00644980	30-Mar-17	SBI, Patiala
Satish Kumar	research scholar	management	IKGPTU	satish.jrf1@gmail.com	9068267350		finance	no	820A1	30-Mar-17	hdfc, ibban
Shabir Sidhu	Assistant professor	Food Engineering	IKGPTU	shabirsidhu@ptu.ac.in	9478098064	Deptt. of food engineering, 2nd floor. CB-1, IKGPTU	PHARMACOLOGY	NO			
shabnam Virdi	research scholar	MANAGEMENT	IKGPTU	virdi_shabnam@yahoo.in	9501627139	92-A new deol nagar jalandhar	marketing	no	89601275	22-Mar-17	PNB, HMV
Sheetal Gupta	research scholar	management	IKGPTU	gupshee02@gmail.com	7837281128	H. No. 8062 lane 4, bahadur nagar, sultanwind road, amritsar	finance	no	28742641	10-Apr-17	OBC Bank, Maqboolpura, Amritsar
Shikhil Munjal	research scholar	management	Punjabi University	munjal.nancy@gmail.com	8684008418		finance	YES	FR00655228	04-Apr-17	SBI, Patiala
SUKHPAL SINGH	research scholar	lifesciences MLT	Rayat Bahra Institute, mohali	sukhpalchd@gmail.com	9417444782	482, sector 20-a chandigarh	Cli Biochemistry	YES		24-Mar-17	HDFC sector 38-c chandigarh
Sukhpreet Nagra	ASSISTANT PROFESSOR	Food Science and Technology	PAU	sukhpreetnagra1@gmail.com	9988317979				IRD1081469	10-Apr-17	SBI, PAU, Ludhiana
sukhwinder dhanda	ASSISTANT PROFESSOR	management	Baba Banda Singh Bahadur, Fatehgarh Sahib	sukhwinder.dhanda@bbsbec.ac.in	9417367244	flat no. c-140 baba banda singh bahadur colg, fatehgarh sahib	finance, economics and general management	YES	ORBCH10237006775	06-Apr-17	OBC, Fatehgarh sahib
supandeep kaur	research scholar	management	Punjabi University	saini.supan@gmail.com	9915644595	409 1st floor phase 6 mohali	HR	yes	SB498800	28-Mar-17	
suresh kumar	research scholar	management studies	Punjabi University	sureshcdlu@gmail.com	7508497505		finance	yes	FR00662279	07-Apr-17	SBI
Tnu mahajan	ASSISTANT PROFESSOR	chemistry	Dav college	tnumahajan812rediffmail.com	9814863286	h.no 76 new deol nagar s.p prime school jalandhar	organic	no	CLBLN17107000623	17-Apr-17	capital local area bank jalandhar
Vandana Bansal	research scholar	mathematics	IKGPTU	bansalvandana@yahoo.co	9530649789	H.No. 160, Harbans Nagar, Jalandhar	RESEARCH	no	9581A1	05-Apr-17	HDFC, IKGPTU
Vikas Kumar	research scholar	university school of business	GNDU	vikaskumarpu@gmail.com	9780351895	GNDU	MARKETING, RESEARCH METHODOLOGY	YES	PAYTM: 8570053354	03-Apr-17	paytm
Yazdan Ahmad Qadri	research scholar	ECE	lovely professional university	qadrivadan91@gmail.com	9501486970	crossing republik, ghaziabad, up	single processing	yes	9313285	20-Apr-17	jk bank-zakura

13/10/21



**I.K.G. Punjab Technical University**  
**FDP on Research Methods for Data Analysis for Engineers (22/04/2017 to 28/04/2017)**

Annexure DFST- 6.3.3 details  
Resource Person  
 Total p- 1

Date and Day	9:30 to 10:00 am	Session I 10:00 to 11:30 am	10:00 to 11:30 am	Session II 12:00 to 01:30 pm	1:30 to 2:00 pm	2:00 to 2:30 pm	Session III 02:30 to 04:00 pm
22/04/2017	Registration	Inaugural (Dr. NP Singh)	Tea Break	Keynote address -Trends and Importance of research in current scenario (Dr. Narpinder Singh)	Lunch	Library/Computers Lab/Discussion/ Committee Meetings	Basic to Research and Data Collection (Dr. B.S. Mann)
23/04/2017	Reporting Session	Qualitative Data Analysis – Introduction (Dr. Kirti Dang)		Qualitative Data Analysis – Content Analysis (Dr. Kirti Dang)			Qualitative Data Analysis – Focus Group Discussion (Dr. Kirti Dang)
24/04/2017		Data Analysis – EFA (Dr. Kirti Dang)		Data Analysis – CFA (Dr. Kirti Dang)			Data Analysis – CFA (Dr. Kirti Dang)
25/04/2017		Hypothesis Test (Dr. Amarjit Singh Sethi)		Correlation and Regression (Dr. Amarjit Singh Sethi)			Role of ISO17025 in research quality
26/04/2017		Factorial Design (Dr.M.S. Bhatti)		Historical Response surface methodology: (Dr.M.S. Bhatti)			Mixture Design Optimization (Dr. M.S. Bhatti)
27/04/2017		Response surface methodology: Centre composite design (Dr. Kamlesh Prasad)		Response surface methodology: Practical application (Dr. Kamlesh Prasad)			ANOVA/MANOVA (Dr. A.K.Thukral)
28/04/2017		Copywrite and Plagiarism (Dr. Balwinder Singh)		Case Study (Dr. Balwinder Singh)			Valedictory (Dr. Balwinder Singh)

31/12/17

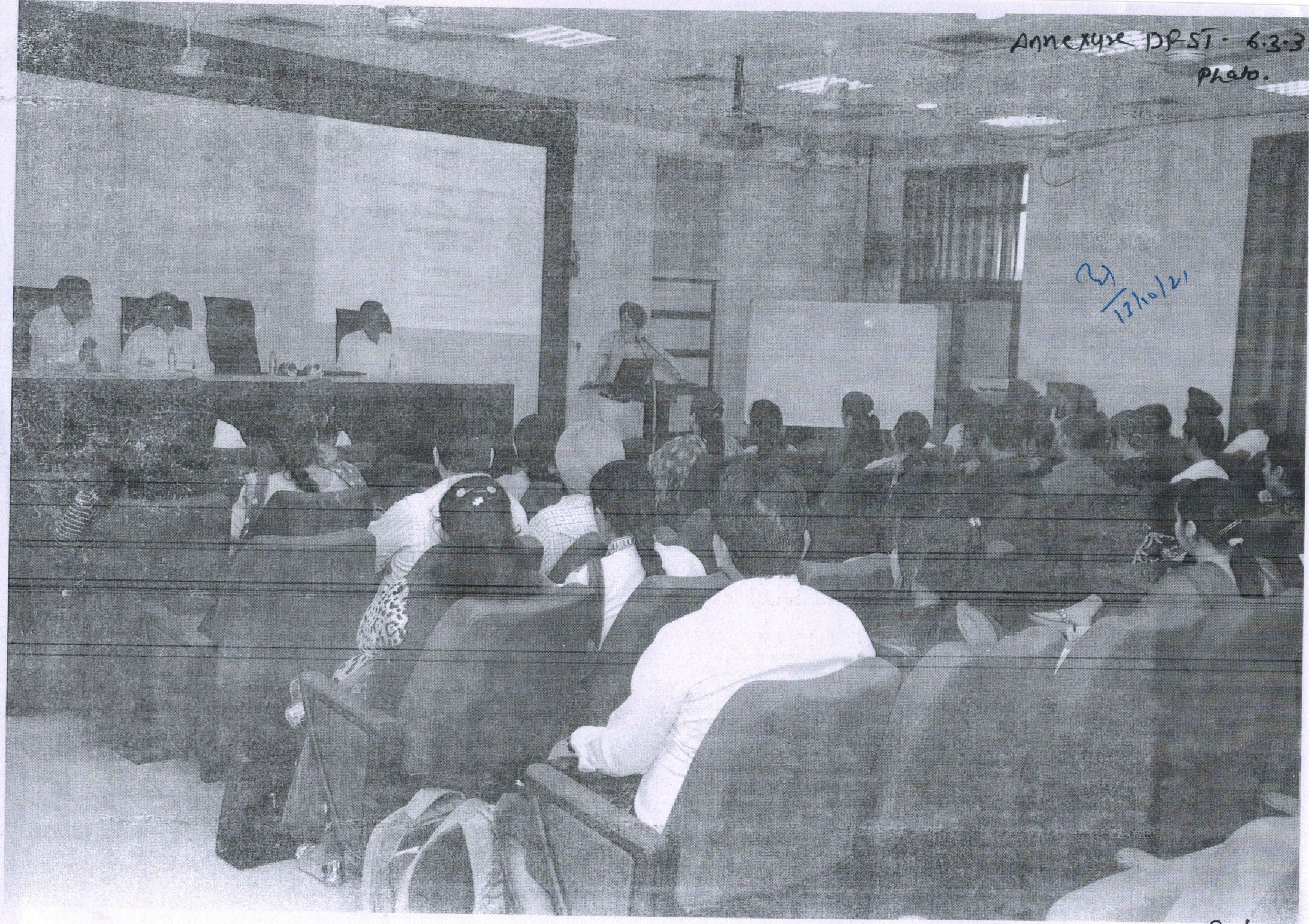
P 1 of 1



Annexure DRST - 6.3.3.

Photo.

21  
13/10/21

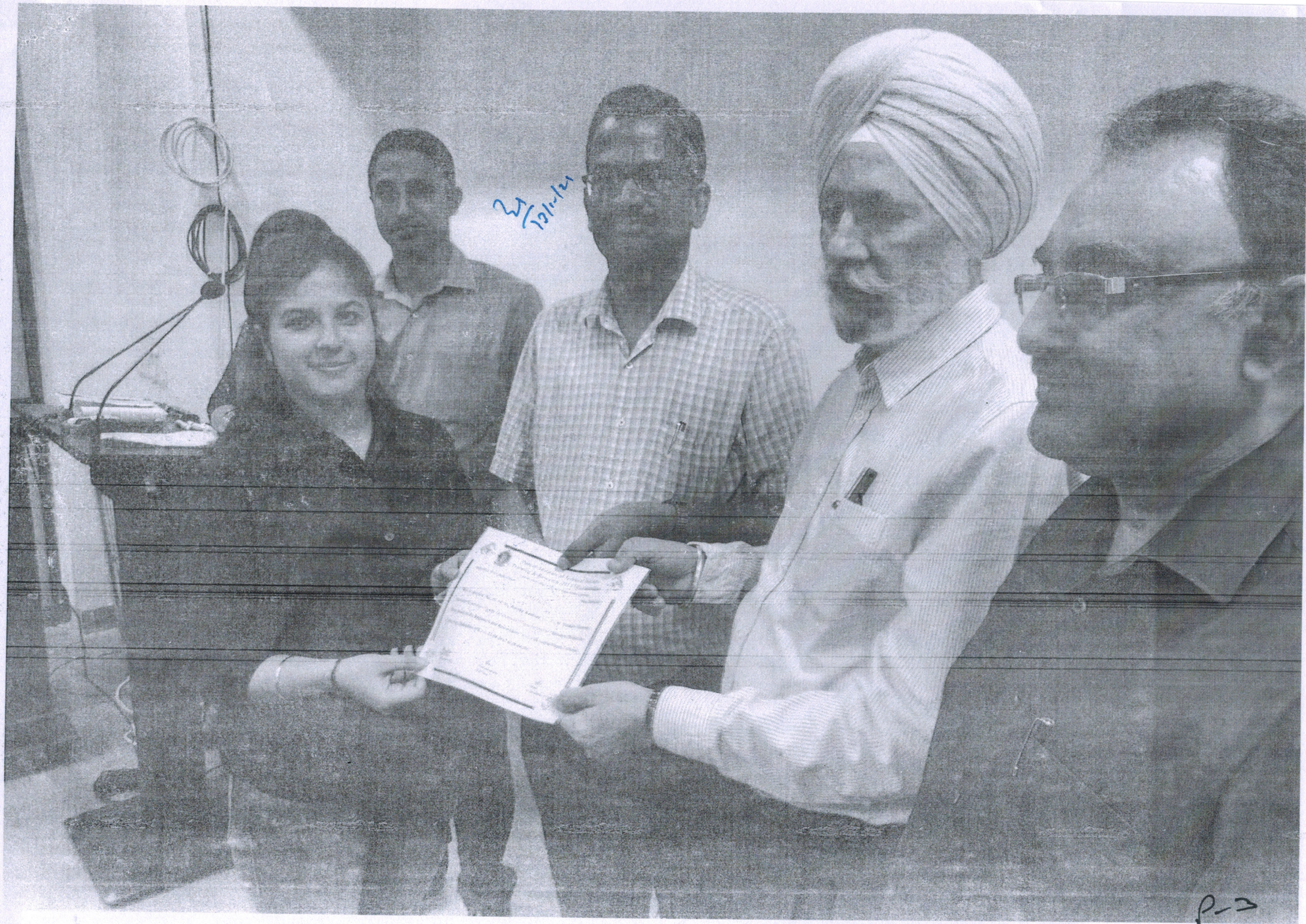






24  
12/10/21







## Events Organised

- Faculty Development Program on **Research Methods for Data Analysis for Engineers and Researchers** (April 22 - 28, 2017) organized by Dr. Barinderjit Singh.



21/12/17



### **Chief Patron**

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

### **Patron**

Dr. N.P. Singh  
Dean P&EP

### **Chief Co-ordinator**

Dr. B.P. Garg  
Registrar  
Faculty of Teacher Training & Education

### **Co-ordinator**

Er. Barinderjit Singh  
Assistant Professor  
IKGPTU

### **Organizing Committee**

1. Dr. Maninder Singh Gill,  
Professor, ACET
2. Dr. Rajneesh Kant Sachdev,  
Head FE, IKGPTU
3. Dr. Shabir Sidhu  
Assistant Professor, IKGPTU
4. Mr. Jatinderbir Singh,  
Senior Assistant, IKGPTU
5. Er. Harleen Kaur  
Technical Assistant, IKGPTU

**For any Query Please Contact:**

**Er. Barinderjit Singh**

**Assistant Professor (Food Technology)**

Department of Food Engineering, IKGPTU, Kapurthala

Email ID: fdpcoordinator.fe@ptu.ac.in

## **Faculty Development Program**

**On**

## **Research Methods for Data Analysis for Engineers and Researchers**

(22<sup>nd</sup> April - 28<sup>th</sup> 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



## 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

## Faculty Development Program On Research Methods for Data Analysis for Engineers and Researchers (22<sup>nd</sup> April - 28<sup>th</sup> April, 2017)



### REGISTRATION FORM

Name: .....

Designation: .....

Department: .....

Institute/College/University: .....

.....

Email ID: ..... Contact No: .....

Mailing Address: .....

.....

Academic Qualification: .....

Area of specialization / interest: .....

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

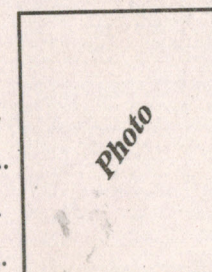
### Payment Details

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](http://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.





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

(22<sup>nd</sup> April - 28<sup>th</sup> April, 2017)



To

---

---

---

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](mailto:fdpcoordinator.fe@ptu.ac.in)

Contact No.: 9915190016, 94780-98069















