Faculty Development Programme

on

Research Methodology and Data Analysis using SPSS

(Under UGC-CPE)

December 16-21, 2019

Organized by

Lyallpur Khalsa College, Jalandhar

Affiliated to Guru Nanak Dev University, Amritsar
Re-Accredited by NAAC: Grade "A" CGPA 3.74/4
College with "Potential for Excellence" status by UGC
Approved under FIST (Level O Category) by DST, Govt. of India

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Organizing Committee

CHIEF PATRON

Sardarni Balbir Kaur
President, Governing Council

PATRON

Dr. Gurpinder Singh Samra
Principal, Lyallpur Khalsa College

CONVENER

Dr. Manohar Singh
Head, PG Department of Computer Science & IT (9815094585)

COORDINATORS

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FDP-2018

ABOUT COLLEGE

Lyallpur Khalsa College, Jalandhar, a premier historical educational institution of Northern India, recognized as "College with Potential for Excellence" status by UGC, is ranked among the top institutions of the country. The college is imparting quality education to more than 6500 students including more than 2500 girls. The college was accredited as "A+" grade college by NAAC in 2004 and was re-accredited as A grade college with a high CGPA of 3.74 in 2011.This institute is approved under FIST (Level–O category) by DST, Govt. of India. The college has a sprawling campus of 28 acres with lush green lawns, well maintained playgrounds, gyms, well equipped computerized office, DELNET & INFLIBNET connected library, Wi-Fi campus, separate hostels for boys and girls. The world class infrastructure of the college provides an ideal ambience for high quality educational programmes, making it the first choice of students in professional, vocational, technical as well as traditional courses at Graduate and Post-graduate levels.

ABOUT FDP

"Without Data, You are just another person with an opinion" ....By W. Edwards Deming

In this technology driven era, the field of Data Science holds great importance. This is an area of paramount interest for a vast range of applications in the industry. The last decade has seen a fast growing activity in the study of computational methods for large heterogeneous data sets. Keeping in mind the usefulness of this topic in the current scenario, the present FDP is designed to enhance the awareness about data analysis and computational/optimization techniques and implementations using SPSS.

The aim of this FDP is to train and orient the faculty members and students to learn and implement these techniques in an efficient manner. An important objective of this FDP is to provide understanding about statistics involved in simple researches as well as in advanced level of data analytics.

TOPICS TO BE COVERED

- Research Methodology: Introduction to Research , Research design and Research Proposal
- Univariate Analysis, Bi-Variate Analysis and Multivariate Analysis, Parametric and Non-Parametric Tests, Regression Analysis with case studies, Analysis of Variance Models using SPSS
- Neural Networks, Decision Tree Analysis with case studies using SPSS

WHO CAN ATTEND THE FDP?

This FDP is interdisciplinary and is open to faculty members, research scholars and students of post graduate classes of computer science, commerce, mathematics, economics and engineering including professionals from industries.

VENUE

PG Department of Computer Science & IT, Lyallpur Khalsa College, GT Road Jalandhar.

REGISTRATION DETAILS

1. Registration is mandatory for participation. The interested candidates can follow the link https://bit.ly/2YhaQFq to fill the Online Registration Form and complete the registration process OR download the Registration Form from www.lkc.in and mail the filled registration form along with proof of the fee deposit to computerlkc@gmail.com.
2. Registration Fee is Rs. 1500/- per candidate.
3. The payment can be made through NEFT or Cash Deposit in College Bank Account of Lyallpur Khalsa College.

   Account Name   :   Principal, Lyallpur Khalsa College, Jalandhar
   Account No.   :   07141000006836
   Bank Name   :   Punjab & Sind Bank
   Branch   :   Defence Colony, Jalandhar
   IFSC Code   :   PSIB0000714
   MICR Code   144023021

4. Participants are required to make their own arrangements for stay during the FDP.
5. No TA/DA will be paid to the participants.
6. Refreshment will be provided during the FDP

CERTIFICATE OF PARTICIPATION

Certificates will be awarded to the participants on the last day of the Faculty Development Programme.

Lyallpur Khalsa College, Jalandhar

REGISTRATION FORM

Faculty Development Programme (December 16-21, 2019)

ON

Research Methodology and Data Analysis using SPSS

Name: _____

Gender: _____

E-mail: _____

Contact No: _____

Designation: _____

Department: _____

Institute: _____

Detail of Registration Fee paid: _____

Declaration by the candidate: The given information is true to the best of my knowledge. I agree to abide by the rules and regulations of the programme. I shall attend the program for the entire duration.

Date:

Place:

Signature

FACULTY DEVELOPMENT PROGRAMME
On
"**Research Methodology and Data Analysis using SPSS**"
Organized by
Post Graduate Department of Computer Science & IT
Lyallpur Khalsa College, Jalandhar
December 16th – 21st, 2019

Session	Time	Topic
Day-1: *16th Dec, 2019*		
	9:00 – 11:00 am	Registration
	11:00am-12:00pm	Inaugural
Lunch Break		
I	1:00 - 3:00pm	Research Methodology, Research Design & Research Proposal
II	3:00 - 4:00pm	Installation of Statistical Packages
Day-2: *17th Dec, 2019*		
I	9:00 – 11:00 am	Primary Survey Analysis
Tea Break		
II	11:30 am – 1:00 pm	Univariate and Bi-variate Analysis using SPSS
Lunch Break		
III	2:00 - 4:00pm	Multivariate Analysis Using SPSS
Day-3: *18th Dec, 2019*		
I	9:00 – 11:00 am	Regression Analysis
Tea Break		
II	11:30 am – 1:00 pm	Multiple Regression using SPSS-Case Study
Lunch Break		
III	2:00 – 4:00pm	Parametric and Non-Parametric Tests
Day-4: *19th Dec, 2019*		
I	9:00 – 11:00 am	Analysis of Variance implementation using SPSS
Tea Break		
II	11:30 am – 1:00 pm	Neural Networks
Lunch Break		
III	2:00 – 4:00pm	Neural Networks Using SPSS-Case Study
Day-5: *20th Dec, 2019*		
I	9:00 – 11:00 am	Decision Tree Analysis
Tea Break		
II	11:30 am – 1:00 pm	Decision Tree Analysis Using SPSS-Case Study
Lunch Break		
III	2:00 – 4:00pm	Factor Analysis Using SPSS-Case Study
Day-6: *21st Dec, 2019*		
I	9:00 – 11:00 am	Practical Session (Data Analytics)
Tea Break		
II	11:30 am – 1:00 pm	Feedback & Follow-up session
Lunch Break		
III	2:00 – 4:00pm	Valedictory

Convener, FDP