



IIFT KAKINADA
CAMPUS

Faculty Development Programme on Advanced Panel Data Analysis (June 22-June 26, 2026)

About IIFT Kakinada

The Indian Institute of Foreign Trade (IIFT) was established in 1963 as primarily a hub of training and research in the area of International Trade and Business. IIFT now has its reach in academic programmes, consultancy and research projects in the area of International Trade, Economics and now Business Analytics. IIFT, in order to expand and disseminate knowledge in the domain of Analytics and International Business, has launched the present 5-year Integrated Programme in Management (IPM) at Kakinada, Andhra Pradesh, in 2022 and MBA (IB) in 2025. This FDP will be organised by IIFT, Kakinada.



Programme Objectives

- a. To enable an understanding of basic and advanced panel data analysis.
- b. To provide a hands-on session on various statistical tools related to panel data using suitable software.



Pedagogy

The FDP will be highly experimental and interactive with lectures, discussions, presentations, and hands-on sessions using GRETL/RStudio software. Participants will be provided with the relevant industry example data sets for the purpose of analysis to facilitate experiential learning.

Attendees

Participants are invited from industries and academia. One will get a participation certificate after the successful completion of the FDP.



Speaker Profile

Programme Schedule

Session Topics

Day 1
(3 Hour)

Concept of Panel Data Analysis, Individual Effect, Time Effect, Panel Data Creation in Gretl/RStudio software, Pooled, Fixed and Random Effect Methods; Two-year panel, Hausman Test, First Difference Model

Day 2
(3 Hour)

Assumptions to be tested for panel data regression, Testing of Cross-sectional Dependence, Panel Corrected Standard Error (PCSE), Cluster Robust Standard Error (CRSE), Driscoll Kraay Standard Error (DKSE), Seemingly Unrelated Regression

Day 3
(3 Hour)

Concept of Endogeneity and its consequences, Dealing with endogeneity, Concept of Dynamic Panel Data, Dynamic Panel Data, Nickell Bias, Generalised Method of Moment (GMM), Weakness of GMM

Day 4
(3 Hour)

System GMM, and Sargan Test, Computation of speed of adjustment, Heterogeneous Panel, Mean Group (MG) and Pooled Mean Group (PMG) estimators, First and Second-generation panel unit root testing

Day 5
(3 Hour)

Experimental Research Design and Diff-in-diff (DID), Various Assumptions to be tested in DID, Placebo test, Staggered DID



Dr. Miklesh Prasad Yadav is currently serving as an Assistant Professor at the Indian Institute of Foreign Trade (IIFT), Kakinada. He possesses over 15 years of consistent and proven record of teaching experience and has contributed to the acclaimed publication of research papers in ABDC, ABS, WOS and Scopus-indexed Journals. Dr. Yadav also serves as a guest editor for the International Journal of Public Sector Performance Management (SCOPUS Indexed) and Journal of Content, Community and Communication (Scopus Indexed Journal). He has delivered expert sessions in more than 200 workshops and Faculty Development Programmes (FDPs) organised by reputed academic and professional institutions.

Registration Fee

A participant is required to pay ₹3000/ per candidate for the registration in this FDP. The last date to apply is June 20, 2026. Registration amount to be paid on the following Bank account:



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