

Capacity Building Workshop on Econometrics and Finance

Concept Note

The Economics Department of Presidency University, Kolkata has completed its 108 years in 2015. Currently the department is running a post-graduate course in Applied Economics that offers two Fields of Specialization, namely Applied Econometrics and Financial Economics. Since the last couple of years, the department has been organizing various *capacity building programmes* in these two broad areas. Such programmes involve active participation from our final year post-graduate students, teachers from other colleges and institutes, and researchers from different institutes. The department, this year too is aspiring to organize a week-long workshop in the interface of these two areas. The workshop to be held from 8th to 14th October, 2015, would like to have students, researchers and teachers as its target group of participants. The corporate personnel however, can find the programme equally attractive.

Since, building up of bare theoretical knowledge in any subject without developing any analytical capacity is hardly going to help the researchers in the field the workshop aspires to be a perfect blend between technical issues and quantitative analysis. The participants will be exposed to important theories and technical issues some of which are of significant policy relevance and/or belong to an advanced domain of economics. The objective of such workshop hence, is not simple accumulation of theoretical knowledge. The participants will be acquainted with the manifestation of such theories in real economy that might necessitate policy intervention. Moreover, at each level, the participants will get a first-hand idea of how to apply different tools and techniques to test the validity of the existing theory.

Specifically, the issues to be addressed in the workshop would include Financial Econometrics, Derivative Pricing, different techniques used in empirical finance for modeling risk, movements of bond prices and in understanding investor behavior.

The candidates interested in attending the workshop are being expected to possess a basic knowledge in analysis of limited dependent variable (Logit, Probit, etc.) and time series econometrics (including ARCH, GARCH models).

Tentative programme

Day 1: 08.10.2015 (Thursday)		
9.30 AM	Registration	
09.45 AM	Inaugural Session	
10.00 A.M. to 1.00 P.M	Modelling Financial Default: Probit and Logit Models	Prof. SubrataSarkar, IGIDR (Mumbai)
1.00 PM to 2.00 PM	Lunch	
2.00 PM to 5.00 PM	Modelling Volatility: ARCH, GARCH and EGARCH Models	Prof. SubrataSarkar, IGIDR (Mumbai)
Day 2: 09.10.2015 (Friday)		
10.00 A.M. to 1.00 P.M	Modelling Movements in Bond Prices: Count Data Models	Prof. SubrataSarkar, IGIDR (Mumbai)
1.00 PM to 2.00 PM	Lunch	
2.00 PM to 5.00 PM	Selection Models	Prof. SubrataSarkar, IGIDR (Mumbai)
Day 3: 10.10.2015 (Saturday)		
10.00 A.M. to 1.00 P.M	High Frequency Finance	Prof. Ashok Banerjee IIM (Calcutta)
1.00 PM to 2.00 PM	Lunch	
2.00 PM to 5.00 PM	Survival analysis	Prof. PulakGhosh IIM (Bangalore)
Day 4: 13.10.2015 (Tuesday)		
10.00 A.M. to 1.00 P.M	Financial derivative contracts and valuation of contracts	Prof. Diganta Mukherjee, ISI (Kolkata)
1.00 PM to 2.00 PM	Lunch	
2.00 PM to 5.00 PM	Advanced regression models	Prof. PulakGhosh IIM (Bangalore)
Day 5: 14.10.2015 (Wednesday)		
10.00 A.M. to 1.00 P.M	Continuous time model and implied volatility	Prof. Diganta Mukherjee, ISI (Kolkata)
1.00 PM to 2.00 PM	Lunch	
2.00 PM to 4.00 PM	Valedictory Lecture	Prof. DipankarCoondoo IDSK
4.00 PM	Distribution of certificates	

