



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, KALYANI

An Institute of National Importance

(Autonomous Institution under MOE, Govt. of India &
Department of Information Technology & Electronics, Govt. of West Bengal)
WEBEL IT Park, 14, Adivasi Para, Opposite of Kalyani Water Treatment Plant
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Advt. No. IIITK/Rectt/21-22/F/14

Date: Feb 16, 2022

ADVERTISEMENT FOR RECRUITMENT OF GUEST FACULTY

Indian Institute of Information Technology, Kalyani invites applications from Indian nationals for recruitment as guest faculty for online classes for the following papers in the semester commencing from April, 2022. Honorarium per hour for the courses will be as per the norms of IIIT Kalyani.

1st Year 2nd Semester (CSE & ECE)	Credit	L-T-P
HU 201 Humanities – II (Economics)	3	3-0-0

Syllabus

Course Title	: HUMANITIES - II (ECONOMICS)
Course Code	: HUC201
Weekly contact	: 3 – 0 – 0 (L – T – P)
Credit	: 3

Point of Initiation – Central Concepts of Economics

Scarcity and efficiency – Goods: Use & Exchange Value – The three fundamental questions of economic organization – Micro & Macroeconomics – Positive v/s Normative economics – Circular flow of income – Market, command and mixed economies – Society's technological possibilities

Introducing Demand & Supply

Demand Function and demand Curve, determinants of demand – Individual & Market Demand – changes in demand – Marshallian Law of Demand & its exceptions – Demand Elasticities – Techniques of Demand Forecasting.

The Supply Function & Supply Curve – general principle and exception – changes in supply – Supply elasticity – Concept of Market equilibrium & impacts of changes in demand and supply – Revenue

Theory of Consumer Behaviour

Concept of Utility – Cardinal v/s ordinal utility – Law of Diminishing Marginal Utility – Tools of analysis: Axiomatic Approach of Consumer Behaviour – Indifference Curves & Budget Space/Line – Consumer Equilibrium – Income & Substitution effects – derivation of Demand Curve from

Indifference curve analysis – Price Consumption Curve and Income Consumption Curve – Engel Curve – Giffens & Inferior Goods - Taxes & Subsidies

Production & Cost

Production Function – the technological relationship between inputs & output – Short Run & Long Run Production analyses – Production with single variable input (short run) – stages of production & concept of economic zone of production; Long run production and tools of analysis: Isoquants and Isocost line, Producer's Equilibrium with two variable inputs, Ridge Lines and economic region – Expansion Paths

Different concepts of Cost of production, Fixed & variable Costs, Short run & Long run costs – concept of Opportunity Cost – The short run and long run total, average and marginal cost curves and their relations – economies of scale and concept of Optimum Plant-size

Market Morphology

Market Equilibrium and the Rule of Profit-maximization – Concept of Profit – Financial Profit v/s Economic Profit – concepts of break-even & shut-down points; Types of markets & their characteristics – Perfect Competition and its short run & long run equilibrium – concepts of increasing, decreasing & constant cost industry; Monopoly – causes of monopoly – Natural Monopoly – measure of monopolistic power (Lerner's Index) – Short run and Long run equilibrium of Monopoly – Concepts of different types of monopoly pricing – Monopoly has no supply curve – Multi-plant Monopolist, Price-discriminating Monopolist – welfare costs of monopoly

Rudiments of Macroeconomics

Measurement of economic activity – National Income; Closed & Open economy - foreign trade and balance of payments; Inflation & Unemployment – Economic policies

Essential Qualification: PhD with first class in the preceding degree

Guidelines:

1. Application form, essential qualification, and other details can be downloaded from the institute website www.iiitkalyani.ac.in.
2. Soft copy of the application complete in all respect should be sent to recruitment@iiitkalyani.ac.in by 07.03.2022.
3. Subject of email should be "Guest Faculty for (subject)".
4. For each of the qualifications, professional experiences, achievements, etc., documentary proof in the form of self-attested scanned-copies to be attached with the application. The originals must be produced when asked for.
5. Incomplete applications / applications without necessary enclosures may not be accepted.
6. Any misleading wrong information provided by the candidates may lead to summarily rejection of the application, if found subsequently, also the appointment will be cancelled.
7. Mere fulfilment of minimum qualification and experience requirements for the post does not entitle a candidate to be called for interview. The Institute reserves the right to

restrict the number of candidates for interview to reasonable limit, on the basis of qualification and experience higher than those prescribed in this advertisement.

8. Persons employed in Government and Semi-Government organizations must submit no-objection from current organization.
9. No interim queries regarding interview / selection process will be entertained.
10. Canvassing in any form will lead to rejection of application form.
11. Decision of the Selection Committee and the Director of IIIT Kalyani with respect to the selection process is final.
12. Legal disputes, if any with IIIT Kalyani are restricted to the jurisdiction of Kalyani Court only.
13. Interviews will be held online. Shortlisted candidates will be notified about the date, time and meeting link separately.