

INDIAN STATISTICAL INSTITUTE

Faculty Upgradation Programme In Environmental Economics

(1st November – 26 November, 1999)

Economic Research Unit, Indian Statistical Institute,
B.T.Road, Calcutta – 700 035, India.
Phone: (033) 5778085, 57772088, 5775502 Extn: 2600 Fax: 90330 –
5776680

Report on the Faculty Upgradation Programme on Environmental Economics

1. Introduction

The Economic Research Unit of the Indian Statistical Institute, Calcutta, conducted a Four-Week Faculty Upgradation Programme on Environmental Economics for college teachers during 1 to 26 November 1999. The programme was organized under the ongoing World Bank Aided Environmental Management Capacity Building Technical Assistance Project: Environmental Economics Component. The Project is being implemented by the Ministry of Environment & Forests, Government of India, and executed by the Madras School of Economics, Chennai. The Indian Statistical Institute is functioning as the CORE institution selected from the eastern region of the country.

After it was decided that the Indian Statistical Institute will organise the programme, an announce was made in Economic & Political Weekly, (vol.34, No.32, August 7-13, 1999), inviting applications from candidates interested in participating in this course. Individual letters were also sent to different colleges and Universities for information. The announcement is enclosed a Annexure 1. Professor Robin Mukherjee acted as the course Director and an organising committee, consisting of Prof.Robin Mukerjee Dr.Snigdha Chakrabarti and Dr.Amita Majumder was formed by the Director of the Institute for the smooth conduct of the course. The budget approved for the running of the course was Rs.13,25,000.00 (Annexure 2) and the Institute was paid a total amount Rs.13 lakhs in two installments. The actual expenditure is now being worked out and the statement of expenditure will be submitted separately. The intake capacity was suggested to be twenty-five.

List of Participants

Name	Institution	Address for Correspondence
Dr.Om Prakash Shukla	Armapore P.G.College, Kanpur	124/B/664 Govind Nagar Kanpur – 208006
Dr.S.S.P.Sharma	Wazirgang College, Gaya	Dalmian Compound, Lakhbag Manpur, Gaya-823003
Dr.P.Prince Dhanaraj	CPA College, Bodi, Tamil Nadu	3 Ram Nagar, Fund Office Colony, Maduri-625 003
Dr.Sabyasachi Roy	Dinhata College	Dinhata College, P.O.Dinhata Coochbehar-736135
Anita Chattopadhyay Gupta	Mahishadal Raj College Midnapore	C/O Dr.Subrata Gupta 119 Kanango Park, Garia, Calcutta-700 084
Mousumi Dutta	Bethune College	19 Bangur Avenue, Block-B Calcutta- 700084
Mr.Chhabi Sen Gupta	Kancharapara College	Kancharapara College, Kancharapara, North 24 Pgs. Pin 742-145
Debasish Sarkar	Hooghly Mohosin College Chinsurah	92/1 Charuchandra Place east Calcutta-700 033 Tele: 473 66469
Swati Pal	Prafulla Chandra College	6/1 Mukherjee Para Lane Kalighat, Calcutta – 700 074
Nupur Nag	Burdwan Raj College	262 R.N.Guha Road, 2 nd Floor Dum Dum, Calcutta 700 074

List of Resource Persons

Prof. D.K.Basu	Chairman, Dept. of Science and Technology, Govt. of West Bengal, Calcutta Ph.:033-4405913
Prof.R.P.Sengupta	IIM, Diamond Harbour Road Joka, P.O.Box.No.16757 Calcutta-700027 Ph:033-4678300, Extn:172(O) 4533954 (R)
Prof. Amita Mazumder	Economic Research Unit Indian Statistical Institute Email: amita@isical.ac.in Ph. I.S.I. Nos. Extn:2610
Dr. Sarmila Banerjee	Dept. of Economics Calcutta University, 56A B.T.Road, Calcutta – 700 050 Ph: 033-557-5082 E.mail: econdp@cal.vsnl.net.in (Res) 183 B, Vivekananda Road, Calcutta – 700 006 (Top floor)
Prof. Abhirup Sarkar	Economic Research Unit Indian Statistical Institute E.mail: Ph.I.S.I.Nos.Extn 2601
Prof. Pradip Maiti	Economic Research Unit Indian Statistical Institute E.mail: pmaiti@isical.ac.in Ph.I.S.I.Nos.Extn 2601
Prof. Satya Ranjan chakravarty	Economic Research Unit Indian Statistical Institute E.mail: satya@isical.ac.in Ph.I.S.I.Nos.Extn 2601
Prof. Rabindranath Bhattacharta	Dept. of Economics Kalyani University (Res)Flat A/2/5,110 Raja S.C.Mallick Road Calcutta 700047 Ph. 033-4303152

Environmental Economics (At Bachelor's Level)

One semester, 4 credits, 60 lecture hours course for undergraduate majors in economics and for under-graduate and post-graduate students in other disciplines. The objectives of the course are to give an exposure to environmental problems and to apply economic principles to achieve the goal of sustainable development.

1. Elementary, ecology, entropy law, laws of thermodynamics, two-way environment economy linkage. (6 hours)
2. Basic concepts: elements of capital theory, externality, public goods, uncertainty and irreversibility, renewable resources, common property resources, social cost-benefit analysis, Econometrics. (12 hours)
3. Causes and effects of environmental degradation, degradation of land, forest and natural resources; pollution from energy use; effects on health, land, water and air. Valuation of environmental damage/benefits: direct and indirect methods. (12 hours)
4. Pollution prevention, control and abatement; legal institutions and instruments; command and control vs market based instruments; taxes vs permits, direct and indirect instruments of pollution control; pollution control system and policy in india: legislation standards and enforcement. (12 hours)
5. Concepts and indicators of sustainable development, sustainable accounting, environment and the poor, political economy of development, environmentally adjusted NNP. (6 hours)
6. Global issues with appropriate illustrations; Rio conference, international protocols/conventions on climate change, joint implementation plan, biodiversity, ozone depletion; trade and environment.. (6 hours)