

ACADEMIC PROGRAMS

M.Sc., M.Phil., and Ph.D.

PROSPECTUS 2003



**Indira Gandhi Institute of Development
Research**

BACKGROUND

Indira Gandhi Institute of Development Research (IGIDR) is an advanced research Institute established in 1987 in Mumbai by the Reserve Bank of India for the study of national and global development issues. It is governed by a Board of Management consisting of distinguished academicians in the country. The Institute is recognized as a Deemed University under Section 3 of the UGC Act and it has the highest National Assessment and Accreditation Council (NAAC) rating of A++ given to Indian academic institutions.

ACADEMIC PROGRAMS

IGIDR offers the following academic programs:



New

? *M.Sc. program in Economics (commencing from August 2003);*

? *M.Phil./Ph.D. program in Development Studies*, which has an interdisciplinary perspective, with major emphasis on economics.

Apart from students with training in economics, the Institute encourages students from other disciplines also to join its programs. However, they should keep in mind that the primary focus of the teaching program is on economics. These programs are ideal for those students who are desirous of bringing their knowledge to the study of development.

(I) M.Sc. IN ECONOMICS

Having established a successful M.Phil. and Ph.D. program during the past decade, IGIDR is starting a new masters program in Economics from August 2003. This is a two-year program, which would impart students with a rigorous and hands-on training in Economics, with special emphasis on analytical and problem solving skills as well as exposure to emerging policy issues at the national and international levels. This program involves a successful completion of either 16 courses or 14 courses and a Masters thesis. It is aimed at all those with necessary quantitative prerequisites who would like to be grounded in economic analysis.

Course Structure and Duration:

This is a two-year program. First Year course work exclusively focuses on the following *compulsory courses*: Microeconomics 1 and 2, Macroeconomics 1 and 2, Statistics and Econometrics 1 and 2, Mathematics for Economics, and Development Economics.

In the second year, students need to take *two additional compulsory courses* viz., (i) Indian Economy: Policy Issues and Development Experiences and (ii) Public

Economics/Energy and Environment. In addition, they need to complete six optional courses or alternatively, four optional courses and a Masters thesis.

The following is a list of *possible optional courses*:

Games and information, Industrial organization, Topics in public economics, Time series analysis, Applied econometrics, Monetary economics, Applied general equilibrium models, Economy-wide models, Issues in industrial economics and corporate finance, Financial economics, Agricultural economics, Theory of institutions, Topics in economic theory, Themes in human deprivation, International political economy, Tools for environmental management, Energy and environment economics, Environmental science and technology.

Continuation into M.Phil./Ph.D. Program:

Those who successfully complete the M.Sc. program at IGIDR and found eligible as per rules could join the M.Phil./Ph.D. program. Such candidates may be exempted from the course requirements and would receive stipends under the existing rules: for one year in case of M.Phil. registration, and three years in case of Ph.D. registration.

Costs:

M.Sc. students have to pay a tuition fee of Rs. 4000 per semester. A few tuition fee waivers would be available to the needy students. All students would be provided with residential accommodation towards which they have to pay hostel fee of Rs.200 per month, and water and electricity charges as per actuals.

Financial Assistance:

There may be some stipends available for deserving masters students. There might also be a few summer research assistantships available.

Admission Eligibility:

Minimum qualifications for admission to M.Sc. program include one of the following degrees or their equivalents:

B.A. / B.Sc. in Economics / B.Com. / B.Stat. / B.Sc. (Physics or Mathematics)/ B.Tech. / B.E. with a minimum mark of 55% for Economics Bachelors and 60% for others. All students must have taken mathematics at least at the higher secondary level.

Admissions will be through a set of written tests and interview. The written tests focus on analytical, verbal and mathematical abilities.

All candidates appearing for their final degree examinations on or before July 15, 2003 are eligible to appear for the IGIDR admission tests. However, their admission

will be provisional and subject to their securing 55% or 60% marks, as the case may be, in their final degree examination; also, the final official mark sheets must be submitted by December 2003.

(II) M.Phil. and Ph.D. PROGRAM IN DEVELOPMENT STUDIES

The M.Phil. program is a two year program, designed for those who would like to acquire a certain level of analytical and applied skills but who are not keen on pursuing a Ph.D. degree.

The Ph.D. program is designed to create academic researchers as well as professionals who are capable of conducting policy analysis, relating to national and global economic and development issues, in a quantitative and interdisciplinary manner. While an interdisciplinary approach is encouraged, the program lays somewhat larger emphasis on economics to provide an integrating framework within which various development issues can be addressed. Ph.D. students are expected to submit their dissertations within four years of joining the Institute.

Both M.Phil. and Ph.D. programs involve successful completion of course work as well as submission of dissertation. Both the M.Sc. and M.Phil./Ph.D. stream students who would like to register for a Ph.D. degree need to pass a set of comprehensive examinations, in addition to the prescribed course and grade requirements.

Course Structure and Duration:

Both M.Phil. as well as Ph.D. students need to take ten courses (six compulsory and four optional) with a minimum of eight of these to be completed in the first year. Of the courses completed in the first year, six must be selected from the following set of core courses, viz., Microeconomics 1 and 2, Macroeconomics 1 and 2, Statistics and Econometrics 1 and 2, Energy and Environment 1 and 2, with at least two complete sequences covered (a complete sequence for example would be Microeconomics 1 and 2). The remaining four courses must be chosen from the list of possible optionals. This list includes all the optionals as well as those core courses (listed in the M.Sc. program) that the student has not taken as compulsory. If a student so chooses, s/he can complete all ten courses in the first year. Those students who already possess a Masters degree in Economics may get a pass-through in certain courses provided they clear a set of examinations.

In addition, students who wish to have the M.Phil. degree, are required to submit an M.Phil. dissertation. For continuation in the program as a Ph.D. student, the student has to pass a set of comprehensive examinations and is expected to write a Ph.D. thesis within the stipulated time frame.

Financial Assistance:

The M.Phil./Ph.D. students receive a monthly stipend that is revised from time to time. Currently the rates are Rs.8000 in the first two years of the study and after Ph.D. registration Rs. 9000 from the third year for a further period of two to three years, subject to fulfillment of the terms and conditions of the Program. Students are required to provide part time research or teaching assistantship from their second year onwards.

Costs:

M.Phil. and Ph.D. students need to pay a tuition fee of Rs. 4000 per semester and a hostel fee, which is 8% of their fellowship amount per month, plus water and electricity charges.

Admission Eligibility:

Minimum qualifications for admission to M.Phil. and Ph.D. program include one of the following degrees or their equivalents:

M.A./M.Sc. in Economics/M.Stat./M.Sc. (Physics or Mathematics or Environmental Science or Operations Research)/M.B.A./ M.Tech./ M.E./B.Tech./B.E. with a minimum mark of 55% for Economics graduates and 60% for others. All the students must have taken Mathematics at least at the higher secondary level.

Admissions will be through a set of written tests and interview. The written tests focus on analytical, verbal and mathematical abilities.

All candidates appearing for their final degree examinations on or before July 15, 2003 are eligible to appear for the IGIDR admission tests. However, their admission will be provisional and subject to their securing 55% or 60% marks, as the case may be, in their final degree examination; also, the final official mark sheets must be submitted by December 2003.

APPLICATION FOR M.Sc./M.Phil./Ph.D. PROGRAMS

Prospectus and application material for M.Sc./M.Phil./Ph.D. programs can be obtained in person or by writing to the Admissions Office, IGIDR, Gen. A.K. Vaidya Marg, Goregaon (East), Mumbai – 400 065 (Email: soffice@igidr.ac.in) on payment of Rs.100/- (non-refundable) in cash or demand draft drawn in favour of Indira Gandhi Institute of Development Research payable at Mumbai. **Payment in any other form will not be accepted.** The **request for the application form** in plain paper, along with the candidate's name, date of birth, sex, address, academic

qualifications, choice of test centre and the application fee, must reach IGIDR by **April 25, 2003**. **The last date for receiving the completed application form is May 2, 2003.**

The **test will be held on May 25, 2003**, at various centres (vide advertisement) across the country and candidates short-listed after the test will be interviewed in Mumbai around first week of **July 2003**. Second class return rail fare by the shortest route will be paid to all candidates interviewed. The first term begins on **August 1, 2003**.

LIBRARY AND COMPUTER FACILITIES

The IGIDR library is rapidly building up to be one of the leading professional research and reference libraries in the country. All bibliographic details of books, journals and CD-ROM databases are accessible through the campus-wide Ethernet network. The library has over 58,000 printed documents, and it subscribes to over 480 national and international journals. It has established contacts with over 100 national and international organizations for exchange of the Institute's publications. It has also networked with about fifty Indian institutes for inter-library loan arrangement. The library's homepage provides access to its Online Public Access Catalogue (OPAC), Journal holdings, Resources for Economists, Resources related to Indian Economy, etc.

The computer center at IGIDR provides state-of-the-art technology to its users with latest hardware and software. The whole campus is networked by Ethernet based LAN. The center is equipped with high-end Compaq Alpha Servers with RAID facilities, Sun Ultrasparc servers and multimedia workstations. A color scanner and digital camera have been provided to assist the users in creating multimedia presentations. The center provides all standard econometrics and statistical packages such as SAS, GAUSS, TSP, STATA, MICROFIT, LIMDEP, DEA, SHAZAM, MATHEMATICA, MATLAB and GAMS under Unix/Linux and windows environments. The center is also equipped with a digitizer with GIS Software SPAN, MAPINFO to carry out GIS related projects. In addition to the above software, the institute subscribes to corporate databases such as PROWESS, and various other national and international databases.

HIGHLIGHTS OF IGIDR'S ACADEMIC PROGRAMS

The distinguishing features of the Institute's research program are the following:

A multidisciplinary faculty. The Institute has a body of researchers from a variety of academic backgrounds working in different areas. These include standard economic sub-disciplines such as microeconomics, macroeconomics, and econometrics, and special areas such as agricultural policy analysis, industry studies, energy system studies, environmental policy, applied general equilibrium modelling, and studies of poverty and rural development.

Focus on Topical Research Problems: The choice of topics for research in the Institute has depended on three things: the academic interests of the faculty members, the Institute's perception of emerging analytical and policy issues in the national and international context, and sponsored projects reflecting the importance of current practical issues. The Institute's conscious aim has been to encourage the use of economic analysis to further the understanding of developmental issues, with a fine balance between theory and practice.

Interactive Classes: The institute aims at maintaining a small class size and a high teacher-student ratio. This feature helps us to make our lectures interactive and assess students on a continuous basis instead of a one-off examination. We also encourage students to write term papers in some courses and make presentations. This together with the option of writing a thesis produces a class of students who have good presentation and writing skills apart from analytical capabilities.

Hands-on Training: The involvement of students as Research Assistants in Institute research also exposes them to the concerns of the real world and enables them to get hands-on experience in using their analytical knowledge in conjunction with data analysis tools.

Infrastructure: The institute has outstanding research infrastructure, which includes one of the best research libraries in the country, completely networked campus, a top of the line computer center, and other supporting facilities.

Location in Mumbai: Contacts established with the industrial and financial community in Mumbai and the relation with the RBI provide another special advantage in dealing with issues of industry and finance.

Placements: Students from the Institute have been placed in faculty/research positions in various national and international academic institutions, and in various national and multinational organizations.

FACULTY

R. Radhakrishna (Director), Ph.D. (Economics), Gokhale Institute of Politics and Economics, Pune

Consumer demand, food security, poverty studies and income distribution

Manoj Panda (Dean), Professor, Ph.D. (Economics), Indian Statistical Institute, Delhi

Applied general equilibrium, issues in poverty and human development, environmental economics

P.G. Babu, Associate Professor, Ph.D., Indian Institute of Science, Bangalore

Economics of information, non-cooperative game theory, environmental economics

Barnita Bagchi, Visiting Research Associate, Ph.D. (English and Women's Studies), University of Cambridge

Gender studies, education, social capital, literature and development

Kausik Chaudhuri, Assistant Professor, Ph.D. (Economics), State University of New York at Albany

Applied econometrics, empirical development economics and political economy

A. Ganesh-Kumar, Associate Professor, Ph.D. (Economics), Indian Statistical Institute, Bangalore

Agricultural economics, applied general equilibrium modelling, econometrics, issues in international trade and finance

Ashima Goyal, Professor, Ph.D. (Economics), University of Bombay

Institutional open economy macroeconomics and development, theory and applications

Aldas Janaiah, Visiting Fellow, Ph.D. (Agricultural Economics), Banaras Hindu University, Banaras

Agricultural economics, impact assessment studies, research priority setting in agriculture

Shikha Jha, Professor, Ph.D. (Economics), Indian Statistical Institute, Delhi

Public economics, agricultural economics and development economics

R. Krishnan, Associate Professor, Ph.D. (Economics), University of Bombay

Applied time series, econometrics

Srijit Mishra, Visiting Assistant Professor, Ph.D. (Economics), Centre for Development Studies, Thiruvananthapuram

Development studies - tribal agrarian economies, health economics

Veena Mishra, Professor, Ph.D. (Economics), University of Western Ontario, Canada

Macroeconomics, monetary economics, international trade and finance

R. Nagraj, Associate Professor, Ph.D. (Economics), Centre for Development Studies, Trivandrum

Development economics, industrial economics

Vijay Laxmi Pandey, Assistant Professor, Ph. D. (Agricultural Economics), G. B. Pant University of Agriculture & Technology,

Agricultural economics, environmental economics

Kirit Parikh, Emeritus Professor, Sc.D (Civil Engg.) MIT, USA

Development policy, policies and planning models, technology policy, environmental policy and agricultural policy

Jyoti Parikh, Senior Professor, Ph.D. (Physics), University of Maryland College Park, USA

Sustainable development, environmental economics, climate change, poverty and environment, energy and power systems modeling, science & technology

Anitha Ramanna, Visiting Research Associate, Ph.D. (International Studies), Jawaharlal Nehru University, New Delhi

International political economy, intellectual property rights, WTO and India

K.V.Ramaswamy, Associate Professor, Ph.D. (Delhi University)

Development economics and industrial economics

Shovan Ray, Visiting Fellow, Ph.D. (Economics), University of Cambridge

Comparative Asian studies; social sector development; Indian industry; economic policy on energy

Sudhakara Reddy, Professor, Ph.D. (Energy Management), Indian Institute of Science, Bangalore

Energy systems, policy and planning, demand side management, natural resource management, renewal sources of energy, forestry, urbanization and transport systems

Bibhas Saha, Associate Professor, Ph.D. (Economics), University of Southern California, USA

Microeconomics, industrial organization, labour economics

Jayati Sarkar, Associate Professor, Ph.D. (Economics), University of Southern California, USA

Institutional economics, corporate governance, ownership and performance studies

Subrata Sarkar, Associate Professor, Ph.D. (Economics), University of Southern California, USA

Econometrics, empirical industrial organization

Vinod K. Sharma, Professor, Ph.D. (Environmental Science and Engineering), Indian Institute of Technology, Bombay

Local, regional and global environmental issues

P.V. Srinivasan, Professor, Ph.D. (Economics), Indian Statistical Institute, Delhi

Development economics, public finance, food policy, economics of poverty and inequality

M.H. Suryanarayana, Professor, Ph.D. (Economics), Indian Statistical Institute, Calcutta

Consumer demand analysis and development economics

Susan Thomas, Assistant Professor, Ph.D. (Economics), University of Southern California, USA

Applied econometrics, finance

Rajendra R. Vaidya, Associate Professor, Ph.D. (Economics), University of Poona

Industrial economics, macroeconomics and corporate finance

Sudhakar Yedla, Assistant Professor, Ph.D. (Environmental Engineering), Indian Institute of Technology, Kharagpur

Environmental technology, economics of environmental degradation, waste management policies, environmental impact assessment and auditing

ADMINISTRATION

T.V. Subramanian, Registrar

M.A, University of Bombay,

DPM, Tata Institute of Social Sciences, Mumbai

LIBRARY

G.K. Manjunath, Chief Librarian

M.Sc. (Botany), M.Lib.Sc., University of Mysore

COMPUTER CENTRE

Seethapathi Rao K.R.V., System Analyst, MCA, Andhra University

Indira Gandhi Institute of Development Research (Deemed University with NAAC Accreditation A++)



CAMPUS

The Institute is located on a 14 acre site on a hillside in Goregaon (east), 15 minutes by public bus from the Goregaon railway station in Mumbai's suburban rail system and 20 minutes drive from Mumbai's national and international airports.

The campus, whose architecture is inspired by the historical Elephanta and Jogeshwari caves, includes office buildings for research and administrative staff, several seminar rooms, a 500 seat auditorium, a library, a computer centre, a cafeteria and a guest house where visiting scholars are accommodated.

The students of the Institute are provided accommodation on campus. The recreational facilities offered at the Institute are tennis court, swimming pool, table tennis, badminton and a gymnasium.

Contact us at :

Student Office

Indira Gandhi Institute of Development Research

**Gen. A.K. Vaidya Marg, Goregaon (East),
Mumbai 400 065.**

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Website: <http://www.igidr.ac.in>