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

PROSPECTUS - 2005

Indira Gandhi Institute of Development Research
(An Advanced Research Institute established by the Reserve Bank of India)
(A Deemed University with NAAC Accreditation A++)

HIGHLIGHTS OF IGIDR'S ACADEMIC PROGRAMMES

The distinguishing features of the Institute's academic and research programmes 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 and environment studies, 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 following 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's 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.

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 PROGRAMMES

IGIDR offers the following academic programmes:

- ***M.Sc. programme** in Economics*.
- ***M.Phil./Ph.D. programme** in Development Studies*, which has an interdisciplinary perspective, with major emphasis on economics.

These programmes are ideal for those students who are desirous of bringing their knowledge to the study of development. Students with background of economics and other disciplines such as engineering, science, management etc. are encouraged to join the programmes. However, they should keep in mind that the primary focus of the teaching programme is on economics.

(I) M.Sc. IN ECONOMICS

This is a two-year programme, 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 programme 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.

Admission Eligibility:

Minimum qualification for admission to M.Sc. programme 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 atleast a Second Division for Economics Discipline and First Division for other disciplines. 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, 2005 are eligible to appear for the admission tests. However, their admission will be provisional and subject to their securing a Second Division or First Division, as the case may be, in their final degree examination. Also, the final official mark sheets must be submitted to IGIDR by October 31, 2005.

Course Structure and Duration:

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

In the second year, students need to take *three additional compulsory courses* viz., (i) Indian Economy (ii) Energy and Environment-I and (iii) Public Economics. In addition, they need to complete five optional courses or three 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, Energy systems studies, Environmental economics, Energy and Environment-II, Environmental science and technology and Environmental management.

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

Those who successfully complete the M.Sc. programme at IGIDR and found eligible as per rules could join the M.Phil./Ph.D. programme. 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:

M.Sc. is a self-financing programme. However, some financial assistant for deserving students may be arranged in the form of stipend, fee waiver, summer research assistantships, etc.

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

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

The Ph.D. programme 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 inter-disciplinary manner. While an interdisciplinary approach is encouraged, the programme 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. programmes 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.

Admission Eligibility:

Minimum qualification for admission to M.Phil. and Ph.D. programme 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 atleast 55% aggregate marks for Economics discipline and 60% aggregate marks for other disciplines. 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, 2005 are eligible to appear for the IGIDR admission tests. However, their admission will be provisional and subject to their securing 55% or 60% aggregate marks, as the case may be, in their final degree examination. Also, the final official mark sheets of the same must be submitted to IGIDR by October 31, 2005.

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-I and II, Macroeconomics-I and II, Statistics and Econometrics-I and II, Energy and Environment-I and II, with at least two complete sequences covered (a complete sequence for example, would be Microeconomics-I and II). The remaining four courses must be chosen from the list of possible optional courses. This list includes all the optional courses as well as those core courses (listed in the M.Sc. programme) 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 programme 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.

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.

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 Programme. Students are required to provide part time research or teaching assistantship from their second year onwards.

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

Prospectus and application material for M.Sc./M.Phil./Ph.D. programmes 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.200/- (non-refundable) in cash or by 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 **February 28, 2005**. The **last date for receiving the completed application form is March 18, 2005**.

Internet download: Candidates can also download the application material directly from www.igidr.ac.in and return ***the completed form along with the application fee by March 18, 2005***.

The **written test will be held on May 01, 2005** at various centers across the country, namely, Bangalore, Bhopal, Bhubaneshwar, Chennai, Guwahati, Hyderabad, Jaipur, Kolkata, Lucknow, Mumbai, New Delhi and Thiruvananthapuram. The candidates short-listed after the written test will be interviewed at IGIDR in Mumbai around first week of **July 2005.** Second class return rail fare by the shortest route will be paid to all candidates interviewed. The first term for all programmes begins on **August 01, 2005**.

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 65,000 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 and inter-library loan arrangement. The library homepage provides access to Online Public Access Catalogue (OPAC), Monthly additions, Resources for Economists, Resources related to Indian Economy, etc.

The computer centre 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; also important campus locations are served by wireless network. The center is equipped with high-end Compaq Alpha Servers with RAID facilities, Sun Ultrasparc servers and multimedia workstations. Color scanners, Visualizers and digital cameras have been provided to assist the users in creating multimedia presentations. The center provides all standard Econometrics and Statistical packages such as SAS, RATS, CATS, 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.

FACULTY AND AREAS OF INTEREST

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

Consumer demand, food security, poverty studies and income distribution

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

Policy, technical and economics aspects of local, regional and global environmental issues

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

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

Applied econometrics, empirical development economics and political economy

Rajalaxmi Kamath, Visiting Fellow,

Macroeconomics, public economics

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

Development economics and industrial economics

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

Institutional open economy macroeconomics, development, international finance

Srijit Mishra, Assistant Professor, Ph.D. (Economics), Centre for Developoment Studies, Thiruvanthapuram.

Development studies, public health

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

Macroeconomics, monetary economics, international trade and finance

G. Mythili, Associate Professsor, Ph.D. (Economics) Department of Econometrics, University of Madras
Agricultural economics, environmental economics, economics of uncertainty, applied econometrics.

D.M. Nachane Senior Professor, Ph.D. (Economics), Bombay University, Mumbai.
Econometrics, macroeconomics, development economics, international trade and finance

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

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

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

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

Economics of information, non-cooperative game theory, 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

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

Applied time series, econometrics

R. Nagaraj, Professor, Ph.D. (Economics), Jawaharlal Nehru University, New Delhi.
Development economics, industrial economics

Shovan Ray, Visiting Fellow, Ph.D. (Economics), University of Cambridge.
Poverty, human development, agriculture, development policy and social sector issues.

B. 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, 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

S. Chandrasekhar, Visiting Fellow, Ph.D. (Economics), The Pennsylvania State University

Development economics and applied econometrics

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

Nirmal Sengupta, Professor, Ph.D., Indian Statistical Institute, Calcutta & Delhi.
Institutional economics, law and economics, international trade, ecological economics, water resource management

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

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

Lingaraj Panda, Systems Analyst,

M.Sc. Utkal University

PGDCA, ACE, Bhubaneshwar

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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.

For further details, contact us at:

Admission 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