

ACADEMIC PROGRAMMES

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

PROSPECTUS - 2010



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 depend on following factors: 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 empirical 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 statistical 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. in Economics.**
- **M.Phil./ Ph.D., and External Ph.D. 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 imparts 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 15 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 at least a Second Division for Economics Discipline and First Division for other disciplines. The applicant must have studied mathematics at the higher secondary level or should be able to demonstrate equivalent mathematical ability.

Admission 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, 2010 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, 2010.

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 four optional courses and a Masters thesis.

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

Time Series Analysis I and II, Modern international trade, Natural resource economics, Financial econometrics, Tools for sustainability indicators I & II, Games and information, Industrial organization, Applied general equilibrium models, Issues in industrial economics and corporate finance, Financial economics, Agricultural economics, International trade, Theory of institutions, Special Topics in Microeconomic theory, Contemporary Issues in Human Development and Policy, Energy and

Environment - II, Topics in International Economics and Finance, Applied International Trade and Investment, Socio-economic and Policy Issues in Energy & Environment I & II, Issues in Finance and Growth.

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

Those who successfully complete the M.Sc. programme at IGIDR and found eligible as per the 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. 8000/- 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 actual.

Financial Assistance:

Some need based scholarships are available to Masters students as per Institute's norms. The second year Masters students are eligible to express interest to work as Graduate Assistants and depending upon the availability and norms, might be awarded such assistantships.

(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, from a quantitative and inter-disciplinary perspective. While an interdisciplinary approach is encouraged, the programme lays somewhat larger emphasis on economics to provide an integrated 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 M.Sc., M.Phil./Ph.D. stream students who would like to register for a Ph.D. degree need to pass the oral comprehensive examination in the form of proposal cum evaluation seminar **and a course on Research Methodology as per the UGC Rules**, 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 at least 55% aggregate marks for Economics discipline and 60% aggregate marks for other disciplines. The applicant must have studied mathematics at the higher secondary level or should be able to demonstrate equivalent mathematical ability.

Admission 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, 2010 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, 2010.

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 three 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 an Oral Comprehensive Examination in the form of a Proposal cum Evaluation Seminar and is expected to write a Ph.D. dissertation within the stipulated time frame.

Costs:

M.Phil. and Ph.D. students need to pay a tuition fee of Rs.8000/- per semester and a hostel fee, which is 8% of their fellowship amount per month, plus water and electricity charges.

Financial Assistance:

M.Phil./Ph.D. students receive a monthly stipend of Rs.12,000/- in the first two years. Those students, who fulfill the terms and conditions for Ph.D. registration, would receive a monthly stipend of Rs.18,000/- after Ph. D. registration in the third year. 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

Application forms and prospectus may be purchased from the Institute by paying cash on working days (Monday to Friday, 9.15 a.m. to 5.45 p.m) or via post by sending a bank draft of Rs.200 (non-refundable) payable to Indira Gandhi Institute of Development Research (IGIDR) at Mumbai to the Admissions Office, IGIDR, Gen. A.K. Vaidya Marg, Santosh Nagar, Goregaon (East), Mumbai 400 065 (E-mail: soffice@igidr.ac.in). 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 must reach IGIDR by **March 19, 2010**. The last date for receiving the completed application form is **March 22, 2010**.

Internet Download: Application form can also be downloaded directly from the website of IGIDR (www.igidr.ac.in) and the completed form along with the application fee should reach the Admissions Office by **March 22, 2010**.

The **written test will be held on April 25, 2010** at various centers across the country, namely, Ahmedabad, Allahabad, Chandigarh, Bangalore, Bhopal, Bhubaneswar, Chennai, Guwahati, Hyderabad, Jaipur, Kolkata, Lucknow, Mumbai, Nagpur, New Delhi, and Thiruvananthapuram. The candidates short-listed after the written test will be interviewed at IGIDR in Mumbai around first week of **July 2010**. 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, 2010**.

(III) EXTERNAL Ph.D. PROGRAMME

Those eligible to apply are candidates (including IGIDR alumni) with minimum work experience of three years in research and academic institutions, RBI and other financial institutions, Industry and Government.

Operational Criteria:

Admission Eligibility:

Minimum qualification for admission to External Ph.D. Programme include one of the following degrees or their equivalents:

Minimum qualification: M.A./M.Sc in Economics/M.Stat./M.Sc. (Physics, Mathematics, Environmental Science or Operations Research)/M.B.A./M.Tech./M.E./B.Tech./B.E. or equivalent with at least 55% aggregate marks for Economics discipline and 60% aggregate marks for other disciplines. The applicant must have studied Mathematics at the higher secondary level or should be able to demonstrate equivalent mathematical ability.

Professional Experience: The candidates ought to have a minimum of three years of work experience.

Age limit: Candidates be preferably below 45 years of age; it can be relaxed in case of exceptional candidates.

How to Apply: Candidates should apply not later than **April 30, 2010** with (a) their current curriculum vita, (b) two passport size photographs, (c) two reference letters (in sealed envelopes and on official letterheads of the issuing authority), (d) No objection Certificate along with leave authorization on the official letterhead of the Organization duly signed by the authorized official of the Organization, (e) a self certified original research proposal not exceeding 3000 words, (f) research publications (if any) and (g) a bank draft of Rs. 200 (non-refundable) payable to Indira Gandhi Institute of Development Research (IGIDR) at Mumbai to the "Admissions Office, IGIDR, Gen. A.K. Vaidya Marg, Santosh Nagar, Goregaon (East), Mumbai 400 065 (E-mail: soffice@igidr.ac.in)". Payment in any other form will not be accepted. Application envelopes have to be marked as "Application for External Ph.D. Program".

Selection Procedure: Candidates have to apply with all the documents as specified above. Based on these, short listed candidates will be called for the interview around the first week of July 2010. Second class return rail fare by the shortest route from the place of residence will be paid to the candidates interviewed. The decision of the selection committee will be final.

Course structure and Duration: They have to complete ten courses (as per applicable rules) within two years of joining the program. A minimum of 75% attendance in every course has to be maintained by them. The assessment criteria would be the same as that of regular students. In addition, for continuation in the programme as a Ph.D. student, the student has to pass an Oral Comprehensive Examination in the form of a Proposal cum Evaluation Seminar, **and a course on Research Methodology as per the UGC Rules**, and is expected to write a Ph.D. dissertation within the stipulated time frame. They are not subject to the residency requirement other than the 75% attendance criterion for all courses. However, they will be expected to come to IGIDR for the proposal/progress seminars and to meet their thesis committee.

Costs: The external candidates will not be eligible for any scholarships or tuition fee waivers, and will not be expected to provide RA/TA assistance. They have to pay all the stipulated fees and charges as applicable to the regular students, viz., a tuition fee of Rs.8000/- (Rupees eight thousand only) per semester and if staying in the hostel, the applicable hostel fee, plus water and electricity charges.

RESERVATION AND DISCIPLINE

Reservation of seats for SC/ST/Physically disabled categories will be as per the Government of India rules. Such applicants need not submit any application fee but are required to enclose a copy of the Caste Certificate/Medical Certificate (as the case may be) along with their request for application form. Those SC/ST/Physically disabled applicants submitting forms downloaded from the website are required to attach a copy of the necessary Certificate. External Ph.D. Students are also required to submit a copy of their Caste/Medical Certificate (as the case may be) along with their application forms. Students are required to follow the rules and regulations strictly. Ragging is prohibited and those indulging in ragging will be expelled forthwith.

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 71,000 printed documents, and it subscribes to over 490 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, and Resources related to Indian Economy.

The computer facilities at IGIDR include state-of-the-art technology Computer Center with latest hardware, networking equipment, software and help desk facilities. The whole office campus is networked by Ethernet based **LAN** on fiber optic segmented backbone and connected to the Internet through 4 MBPS leased line. Also important campus locations are served by wireless network. The campus network has been extended to the residences of the employees. The computer center is equipped with high-end HP and **Sun** servers. In addition to several HP Deskjet printers in the faculty and staff offices, the printing facilities also include high-speed **Network HP** Laser printers, in each office block including the Computer Center. **COLOR SCANNERS, VISUALIZERS and PROJECTORS** have been provided to assist the users in creating and presenting 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, EVIEWS, GIS Software like SPAN, MAPINFO under Unix/Linux and windows environments. In addition to the above software, the institute subscribes to corporate databases such as PROWESS, INDIA TRADE, CAPITAL LINE and various other national and international databases.

FACULTY AND THEIR AREAS OF INTEREST

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

K.V. Ramaswamy, (Dean), Professor, Ph.D. (Economics), Delhi University
Development Economics and industrial economics

P.G. Babu, Associate Professor, Ph.D.(Economics), Indian Institute of Science, Bangalore.
Economics of information, non-cooperative game theory, environmental economics, law and economics

S. Chandrasekhar, Assistant Professor, Ph.D. (Economics), The Pennsylvania State University
Development economics and applied econometrics

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), Bombay University, Mumbai.
Open economy macroeconomics, international finance, institutional economics, development economics

R. Krishnan, Associate Professor, Ph.D. (Economics), University of Bombay.
Applied time series, econometrics

Srijit Mishra, Associate Professor, Ph.D. (Economics), Centre for Development Studies, Thiruvananthapuram.
Development studies, public health

Sripad Motiram, Associate Professor, Ph.D. (Economics), University of Southern California
Development Economics, Applied Micro Economics

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

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

Rupayan Pal, Assistant Professor, Ph.D., Indira Gandhi Institute of Development Research, Mumbai
Applied microeconomic theory, industrial organization, economics of information, labour economics, development economics, applied econometrics.

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

Shovan Ray, Professor, 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

Jayati Sarkar, Associate Professor, Ph.D. (Economics), University of Southern California, USA.
Institutional economics, corporate governance, ownership and performance studies

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

Applied econometrics, corporate finance, corporate governance, risk modeling, productivity and efficiency studies

Shubhro Sarkar, Assistant Professor, Ph.D.(Economics) Pennsylvania State University,

Industrial organization, applied micro, game theory, experimental economics

Nirmal Sengupta, Professor, Ph.D., Indian Statistical Institute, Calcutta & Delhi.

Institutional economics, law and economics, international trade, ecological economics, water resource management

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

Policy, technical and socio-economic aspects of environmental issues

Naveen Srinivasan, Associate Professor, Ph.D. (Economics), Cardiff Business School, Cardiff University, UK,

Monetary Theory and Policy, Monetary History, The Great Depression

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

Development economics, econometrics, consumer demand analysis.

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

Applied econometrics, finance

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

Industrial economics, macroeconomics and corporate finance

C. Veeramani, Assistant Professor, Ph.D. (Economics), Jawaharlal Nehru University (C.D.S. Trivandrum)

International trade, Industrial development

ADMINISTRATION

Shri Jai Mohan Pandit

Registrar & Chief Administrative Officer

MBA (HRM), Annamalai University

Post-Graduate Diploma in HRM

Symbiosis Centre for Distance Learning

LIBRARY

G.K. Manjunath, Chief Librarian

M.Sc. (Botany), M.Lib.Sc., University of Mysore, Ph.D., Karnatak University

COMPUTER CENTRE

Lingaraj Panda, Systems Analyst

M.Sc., Utkal University

PGDCA, ACE, Bhubaneswar

**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), about 15 minutes by public bus from the Goregaon railway station in Mumbai's suburban rail system and about 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:

Admissions Office

Indira Gandhi Institute of Development Research

Gen. A.K. Vaidya Marg, Goregaon (East),

Mumbai 400 065.

Tel: 28416 200 (EPABX), Fax: (022) 28416 310

Email: soffice@igidr.ac.in, Tel: 28416 576 and 28416 572

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