



ACADEMIC PROGRAMME

Ph.D. PROSPECTUS 2024



**Indira Gandhi Institute of
Development Research
Deemed to be University**



▪ **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 comprising distinguished academicians. The Institute is recognized as a Deemed to be University under Section 3 of the UGC Act.

As an institution of national and international repute, IGIDR’s mission has been to promote academic excellence with respect to research, teaching and capacity building in economics and development policy. The Institute offers Master of Science (M.Sc.) in Economics and Doctor of Philosophy (Ph.D.) and admits students from diverse disciplinary backgrounds. Adopting an interdisciplinary approach with economics at its core, the course structure in Ph.D. programme is designed to impart theoretical and empirical skills to analyse different economic, energy, environment, development, and climate change issues and problems. The programme aims to train researchers who can produce policy relevant research based on strong empirical knowledge and analysis.

IGIDR faculty are drawn from reputed institutions from India and abroad and have established themselves as leading researchers in their respective areas of specialization. They have published in high quality peer reviewed journals and have contributed to academic and development policy debates at both national and international level.

▪ **Ph.D. PROGRAMME**

IGIDR in the academic year 2024-25 will offer admission to the following Ph.D. programmes:

- (i) Ph.D. in Economics
- (ii) Ph.D. in Development Studies
- (iii) Ph.D. in Energy, Environment & Climate Change

The minimum duration of the PhD programmes at IGIDR is of three years including course work. To register to the Ph.D. degree, a student is required to complete 64 credits comprising core and elective courses. Students are also required to pass their proposal evaluation comprehensive examination, external thesis evaluation followed by viva-voce examination before conferment of Ph.D. Degree.

Course structure for the three Ph.D. programmes is as follows

	Ph.D. (Economics)	Ph.D. (Development Studies)	Ph.D. (Energy, Environment & Climate Change)
Semester I	Research Methodology (4)	Research Methodology (4)	Research Methodology (4)
	Mathematics I (4)	Research & Publication Ethics (2)	Research & Publication Ethics (2)
	Statistics & Econometrics – I (4)	Statistics & Econometrics – I (4)	Statistics & Econometrics – I (4)
	Microeconomics – I (4)	Microeconomics – I (4)	Microeconomics – I (4)
	Macroeconomics – I (4)	Macroeconomics – I (4)	Macroeconomics – I (4)
Total	20	18	18
Semester II	Statistics & Econometrics – II (4)	Statistics & Econometrics – II (4)	Statistics & Econometrics – II (4)

Total	Mathematics – II/Methods to Experimental Economics (2)	Theories of Development (4)	Introduction to Energy Studies (4)
	Microeconomics – II (4)	Qualitative Research Methods (4)	Introduction to Environmental Studies (4)
	Macroeconomics – II (4)	Directed Studies (6)	Directed Studies (6)
	14	18	18
Sem. III	Research & Publication Ethics (2)	Health & Development (4)	Four elective courses of 4 credits each (From list of elective courses offered and advised by the RAC)
	Four elective courses of 4 credits (From list of elective courses offered and advised by the RAC)	Three elective courses of 4 credits each (From list of elective courses offered and advised by the RAC)	
Total	18	16	16
Sem. IV	Directed Studies (4)	Three elective courses of 4 credits each (From list of elective courses offered and advised by the RAC)	Three elective courses of 4 credits each (From list of elective courses offered and advised by the RAC)
	Two elective courses of 4 credits each (From list of elective courses offered and advised by the RAC)		
Total	12	12	12
Total Credits after 4 semesters	64	64	64
List of some elective courses	<ol style="list-style-type: none"> 1. Development Economics 2. Special Topics in Microeconomics 3. Game Theory 4. Issues in Corporate Finance and Growth 5. Applied General Equilibrium Models 6. Institutional Economics: Theory and Applications 7. Oligopoly Theory 8. Political Economy of Institutions and Development 9. Spectral analysis and Wavelets 10. Topics in Applied Econometrics 11. Introduction to Python for 	<ol style="list-style-type: none"> 1. Education & Development 2. Development Economics 3. Sustainable Agriculture & Food Systems 4. Markets, Incentives & Agriculture in India 5. Institutional Economics: Theory and Applications 6. Political Economy of Institutions and Development 7. Introduction to Python for Economists 8. Contemporary Issues in Human Development & Policy 9. Elements of Data Science 10. Socio-economic and Policy Issues in 	<ol style="list-style-type: none"> 1. Development Economics 2. Sustainable Agriculture 3. Markets, Incentives & Agriculture in India 4. Introduction to Python for Economists 5. Elements of Data Science 6. Energy Economics and Modelling 7. Environmental and Resource Economics 8. Sustainable Agriculture & Food Systems 9. Scientific and Technological Issues in EE 10. Socio-economic and Policy Issues in EE

	<p>Economists</p> <p>12. Elements of Data Science</p> <p>13. Advanced Mathematical Methods for Economics & Finance</p> <p>14. The role of Finance in Macroeconomics</p> <p>15. Markets, Incentives & Agriculture in India</p>	EE	
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Note: Numbers in the bracket are credits for the course

Continuation from MSc/MPhil to PhD Programme

Students who have completed their M.Sc or M.Phil Programmes at IGIDR can enrol into the Ph.D. Programme of the Institute as per the IGIDR Rule Book. If eligible, they can join the programme at the beginning of the monsoon August 2024 or summer January 2025 semesters.

Eligibility

- (i) The applicants to Ph.D. programmes must have valid UGC-JRF/CSIR-JRF or other international scholarship to pursue Ph.D.
- (ii) The applicants to PhD programmes must have studied mathematics at the higher secondary or higher level.
- (iii) The applicants to PhD programmes must have the qualifying percentage of marks or its **equivalent** in the qualifying degrees as indicated below:

Programme	Qualifying Degree	Qualifying Marks across category of students	
		GEN	SC/ST/ GEN-EWS/ OBC-NCL /PwD
PhD Programme	Master degree in Economics/Development Studies/Statistics/ Environmental Science/ Operations Research/Physics/Mathematics/ Management/Engineering/Relevant or allied subject	55%	50%
	BA/BSc/BStat/ BTech/BE (four year degree)	75%	70%

Note: GEN is General, GEN-EWS is General-Economically Weaker Sections, OBC-NCL is Other Backward Classes-Non-Creamy Layer, PwD is People with Disability, SC is Schedule Caste, ST is Scheduled Tribe.

- (iv) All candidates appearing for their final degree examinations on or before **15 July 2024** are eligible to apply. However, their admission in the PhD programme will be treated as provisional and subject to meeting the eligibility requirements as applicable. The final official mark sheets of qualifying degree, as relevant, must be submitted to IGIDR by **31 October 2024**.

Reservation Policy

- The total number of seats for the Ph.D. programme in the academic year 2024-25 is Six (6).
- The Institute follows a Reservation Policy as per Government of India (GoI) Rules. Applicants availing of reservations must produce the necessary documents as per GoI rules.
- The number of seats for each category is as indicated below (As per the roaster)

Ph.D. Programme	Category		
	OBC-NCL	UR	Total
Number of Seats	1	5	6
Note: Applicants for reservation category must produce the necessary documents as per Government of India Rules.			

▪ FEES, REFUND POLICY, STIPEND AND OTHER GRANTS

Tuition/Hostel Fees and other charges

PhD students have to pay a tuition fee of ₹ 25,000/- per semester and a hostel fee, which is 8% of their stipend amount per month.

All students residing in the hostel will have to pay water and electricity charges as per actuals and make payments to the caterer against the food they consume. For students residing in guest house/Hostel block, electricity charges will be Rs.600/- per month.

The tuition and other fees may be revised from time to time.

Payments at the time of Admission

On selection prior to admission, a student has to pay first semester tuition fee of ₹25,000; security deposit of ₹20,000/- and a non-refundable premium amount as per actuals towards the Institute's group medical insurance policy (to be effective from the date the Insurance company issues the policy).

Fee Refund

If a student wishes to withdraw after enrolling, then the fee refund policy will be as per UGC notification.

Financial Assistance/Stipend

PhD students will receive a monthly stipend of ₹31,000/- in the first two years. Those students, who fulfil the terms and conditions for PhD registration, will receive a monthly stipend of ₹43,750/- after their PhD registration in the third year. PhD students are required to provide part time research or teaching assistantship from their second year onwards.

PhD students who enrol after successful completion of their MSc or MPhil at IGIDR will receive a stipend for three years, ₹31000/- before and ₹43,750/- after their PhD registration.

Financial Support

- PhD students are eligible for receiving funds to attend national and international conferences as per the institute's rule.
- PhD students are eligible for receiving financial support for spending up to six months in any reputed university/academic institute abroad as per the institute's rule.

▪ **PLACEMENTS**

A majority of IGIDR PhD are placed as post-doctoral fellows or as faculty members in leading academic institutions in India and abroad, including Centre for Development Studies, Centre for Social and Economic Progress (CSEP, Formerly Brookings India), Centurion Education at Chhattisgarh, Delhi School of Economics, Indian Institute of Management at various locations, Indian Institute of Technology at various locations, Madras School of Economics, NABARD, Sarla Anil Modi School of Economics NMIMS University, Trinity College, UNESCO Paris, and University of Manchester among others or in think tanks/research institutes like Indian Council for Research on International Economic Relations (ICRIER), National Council of Applied Economic Research (NCAER) and National Institute of Public Finance and Policy (NIPFP).

▪ **CAMPUS INFRASTRUCTURE**

The Institute is located on a 14-acre site on a hillside amidst lush green nature. The campus includes state-of-the-art office buildings for faculty and administrative staff, classrooms, conference venues, a 500 seat auditorium, a library, a computer centre, a cafeteria, a gymnasium, a recreational centre, and a guest house.

Library

The library has over 107,252 printed and 38,260 electronic documents, subscriptions to over 408 national and international journals, and major statistical data sources and packages.

Computing facilities

IGIDR is a Wi-Fi campus with high-speed internet connectivity and houses a state-of-the-art technology Computer Centre and Computer Labs for students.

Hostel Accommodation

Institute provides on-campus hostel accommodation.

Recreational Facilities

Tennis court, swimming pool, table tennis, badminton, indoor games and a gymnasium.

▪ **DISCIPLINE**

Admitted students are required to strictly adhere to the rules and regulations of IGIDR. The Institute follows a zero-tolerance policy on ragging and those found to have indulged in ragging will be expelled forthwith. Sexual harassment on campus is condemned and any student found guilty of the same will be suitably punished as laid down in the Institute Rules.

▪ **ADMISSION TO Ph.D. PROGRAMME**

- Applicants with valid UGC-JRF; CSIR-JRF; or other international level scholarship for pursuing Ph.D. are eligible to apply.
- Candidates will have to submit an online application form.
- IGIDR has expertise in research areas of Agricultural Economics, Development Economics, Energy Economics, Environmental Modelling, Energy Modelling, Environmental Economics, Macroeconomics, Microeconomics, Climate Change, and Behavioural Economics.
- Only shortlisted applicants will be called for the interview.
- Candidates selected for Admission to the Ph.D. Programme are required to complete the course work and meet the minimum CGPA requirement as prescribed in IGIDR Rule Book.
- All students admitted to the Ph.D. Programme will be assigned a Research Advisory Committee (RAC) upon joining the Programme. The RAC will mentor the student in their choice of core and

elective courses based on their research interest and monitor her/his progress and advise on remedial steps to take, to help the student meet IGIDR's minimum CGPA requirements.

▪ **ONLINE APPLICATION FORM (For PhD Programmes)**

How to Apply

Candidates can fill the application at <https://forms.gle/GRGWdr525eqmBisi6> For details, see <http://www.igidr.ac.in/admission-2024/>. Last date for receipt of form is **July 12, 2024**.

Application Fee: No Application Fee.

▪ **FACULTY AND THEIR AREAS OF INTEREST**

Basanta K Pradhan, (Director & Vice Chancellor), PhD (Economics), Indian Statistical Institute, Delhi

Macroeconomics, development economics, climate change economics, social and human Capital, CGE modelling.

S. Chandrasekhar, Professor, PhD (Economics), The Pennsylvania State University, USA.

Income dynamics in rural & urban India, structural transformation, urbanization, mobility & labour market outcomes.

A. Ganesh-Kumar, Professor, PhD (Economics), Indian Statistical Institute, Bangalore.

Agriculture, economic development, applied general equilibrium modelling, econometrics.

Taniya Ghosh, Assistant Professor, PhD (Economics), Department of Economics, University of Kansas, USA.

Macroeconomics.

Achuthankutty Gopakumar, Assistant Professor, PhD (Quantitative Economics), Indian Statistical Institute, Kolkata.

Social choice theory, game theory, and microeconomic theory.

Sargam Gupta, Assistant Professor, PhD (Quantitative Economics) Indian Statistical Institute, Delhi.

Macroeconomics, monetary economics, open economy macroeconomics, empirical macroeconomics.

Disha Gupta, Assistant Professor, PhD (Economics), Department of Economics, Delhi School of Economics.

Agricultural economics, resource and environmental economics, applied econometrics.

Manisha Jain, Assistant Professor, PhD (Climate Studies), Indian Institute of Technology, Mumbai.

Energy economics and policy, energy efficiency, renewable energy, climate change impacts, sustainable development.

Srijit Mishra, Professor, PhD (Economics), Jawaharlal Nehru University, New Delhi (through CDS Thiruvanthapuram).

Applied development economics (agriculture/rural development, human development, measurement of development indicators, public health and related issues), public policy, game theory.

G. Mythili, Professor, PhD (Econometrics), University of Madras, Post-doctoral research at the University of California, Berkeley.

Environmental economics, agricultural economics.

Bharti Nandwani, Assistant Professor, PhD (Economics), Shiv Nadar University.

Political economy, development economics, economics of education.

Sudha Narayanan (on Leave) Associate Professor, PhD (Agricultural Economics), Cornell University, USA.

Agricultural economics, development economics, new institutional economics, applied econometrics.

Digvijay Singh Negi, Assistant Professor, PhD (Quantitative Economics), Indian Statistical Institute, Delhi.

Agricultural economics, international trade, risk and insurance, development economics, health, and nutrition, environmental economics.

Rupayan Pal, Professor, PhD (Development Studies), Indira Gandhi Institute of Development Research, Mumbai.

Applied theory, industrial organization, environmental economics, labour economics, public economics.

Vijay Laxmi Pandey, (Dean Academic and Student Affairs), Professor, PhD (Agricultural Economics), GB Pant University of Agriculture & Technology, Pant Nagar.

Agricultural economics, environmental economics, food security and nutrition.

K.V. Ramaswamy, Professor, PhD (Economics), Delhi University.

Development economics, industrial economics, globalization and labour markets.

Jayati Sarkar, Professor, PhD (Economics), University of Southern California, USA.

Institutional economics, corporate governance, ownership and performance studies.

Shubhro Sarkar, Associate Professor, PhD (Economics), The Pennsylvania State University, USA.

Game theory, industrial organization, political economy, applied theory, experimental economics

Rajeswari Sengupta, Associate Professor, PhD (Economics), University of California, Santa Cruz.

International finance, open economy macroeconomics, applied econometrics, indian economy.

Vinod K. Sharma (Dean of Faculties), Professor, PhD (Civil and Environmental Engineering), Indian Institute of Technology Bombay; Post-Doctoral Research (STA Fellow) at NIES, Ministry of Environment, JAPAN; Post-Doctoral Research (USAEP Fellow) at the World Bank, USA.

Sustainable energy, environment and development.

Rajendra R. Vaidya, Professor, PhD (Economics), University of Poona.

Industrial economics, macroeconomics and corporate finance.

C. Veeramani, (On leave) Professor, PhD (Economics), Jawaharlal Nehru University, New Delhi (through CDS Thiruvanthapuram).

International trade, industrial development.

Sudhakar Yedla, Professor, PhD (Environmental Engineering and Management), IIT, Kharagpur; Post-Doc at Asian Institute of Technology, Thailand; Diploma in International Environmental Law, UNITAR, Switzerland; Certification in Environmental Economics and Development Policy, World Bank Institute, USA.

Urban environmental policy, environmental economics, climate studies, sustainable cities, solid waste management, sustainable mobility, provision of urban environmental services, EIA of development initiatives, development of eco-industrial parks (EIPs), air pollution control strategies.

■ ADMINISTRATION

Jai Mohan Pandit, Registrar (Fulbright Fellow)

PhD in Management and Labour Studies with a specialisation in Human Resource Management (HRM) in Higher Education, Tata Institute of Social Sciences, Mumbai.

- **LIBRARY**

Shamprasad M. Pujar, Chief Librarian
MA, MLISc, PhD, Karnataka University, Dharwad
PGDCA, Madurai Kamaraj University, Madurai.

- **COMPUTER CENTRE**

Lingaraj Panda, Systems Analyst
MSc, Utkal University, PGDCA, ACE, Bhubaneswar.