



Industrial Engineering and Operations Research

Indian Institute of Technology Bombay



IEOR@IITB Ph.D. ADMISSIONS OPEN FOR ACADEMIC YEAR 2017 - 18

Salient features of IEOR Ph.D. programme

- Rich fusion of **engineering** with **mathematics**, **statistics**, **computing** and other disciplines
- Wide **variety of courses** and **research areas** to choose from
- **Dedicated research lab** with a computational cluster and state-of-the-art software
- Good **library** with access to extensive **online resources** for research
- **Excellent placement opportunities** in industry, research centers, and academia
- Support for participation in **national and international conferences** as per institute rules
- Excellent faculty members and research groups, and opportunities to collaborate and visit researchers from foreign universities
- Selected candidates will get stipend as per MHRD rules and on campus accommodation
- External registration possibility for working professionals

Research Areas

- OPTIMIZATION TECHNIQUES
- STOCHASTIC MODELS AND CONTROL
- MODELING AND SIMULATION
- GAME THEORY AND NETWORKS
- SUPPLY AND VALUE CHAINS
- DATA ANALYTICS AND MACHINE LEARNING
- PRICING AND REVENUE MANAGEMENT
- PLANNING, SCHEDULING AND CONTROL OF LARGE SCALE SYSTEMS
- FINANCIAL ENGINEERING

Contact Information

Industrial Engineering and Operations Research

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About IEOR @ IIT Bombay

- Offers a blend of theory, modelling and application, drawing from traditional as well as modern areas of Operations Research
- Works together with a systems view derived from long-standing principles of Industrial Engineering
- Technically sound decision making at operational, tactical and strategic levels for a variety of organizations

Eligibility

A candidate must have either

- **Master's** degree in any branch of Engineering with adequate exposure to IEOR, or
- **M.Sc.** in Mathematics, Statistics or Operations Research, or
- **Bachelor's** degree in any branch of Engineering with an excellent academic record.

A candidate must have first class or 60% marks (55% for SC/ ST) in the qualifying degree.

A candidate with only a Bachelor's degree in Engineering or a Master's degree in Science must have a valid **GATE** score to become eligible for Teaching/Research Assistantships

Admission Procedure

- **Apply online. Last date to receive completed application is 18th April 2017.**
- Written test and interview of short-listed applicants on 9th and 10th May 2017.
- Session starts in July 2017
- Visit <http://www.ieor.iitb.ac.in/admissions/phd> for more details