



Industrial Engineering and Operations Research

Indian Institute of Technology Bombay

IEOR@IITB Ph.D. ADMISSIONS OPEN FOR ACADEMIC YEAR 2016 - 17

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
- Excellent faculty members and research groups
- Good **library** with access to extensive **online resources** for research
- **Placement opportunities** in industry, research centers, and academia
- Support for participation in **national and international conferences** as per institute rules
- Vibrant life in a **clean and green campus** within Mumbai
- External registration possibility for working professionals

Research Areas

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

Contact Information

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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 in 3rd week of March**
- Written test and interview of short-listed applicants in May 2016
- Session starts in July 2016
- Visit <http://www.ieor.iitb.ac.in/admissions/phd> for more details