

Vimal Kumar

Dept. of Humanities and Social Sciences
Indian Institute of Technology Kanpur
Kanpur, UP, India
India, 208016

Phone: +91-8756992029
Email: yk@iitk.ac.in

Date of Birth: 16.02.1980

Nationality: Indian **5. Sex:** Male

Present Position (Designation, Organisation and Total Emoluments)

Associate Professor, IIT Kanpur, and Pay Scale: 37400-67000-PB-4-AGP9500

Areas of Specialisation

Current Areas of Research

Game Theory, Political Economics Game Theory, Political Economics, Power System Economics

Professional Record

Designation	Institution	Year
Economist	Watson Wyatt Worldwide	June 2008- May 2009
Assistant Professor	Indian Institute of Technology Kanpur	June 2009- June 2015
Associate Professor	Indian Institute of Technology Kanpur	June 2015-

Academic Record

Degree (Subjects)	Institution	Year	Marks & Division	Standing	Remarks
B. Tech in Mech Engg	IIT Bombay	1998-2003	8.03/10		B.Tech and
M.Tech in Thermal Fluid Engg	IIT Bombay	1998-2003	9.00/10		M. Tech under Dual
PhD in Economics	University of California Irvine	2003-2008	3.6/4.0		Degree Program

Teaching Achievements

Letters of Appreciation from the Chairman, Academic Senate of IIT Kanpur for Extra Ordinary Performance as Instructor [ECO 408 (2009-10, Semester 1) and as tutor [ECO 201(2011-12, Semester 1)]

2. PhD Thesis Guidance

PhD Students (Completed 0, In-progress 5)

1. Ms. Debasmita Panda (Department of Electrical Engineering) [With Prof. S. N. Singh of Department of Electrical Engineering]: 2011-
2. Mr. Dhruv Gupta (Economics, Department of Humanities and Social Sciences): 2012-
3. Mr. Gopal Parashari (Economics, Department of Humanities and Social Sciences): 2012-
4. Mr. Dhiraj Kumar (Economics, Department of Humanities and Social Sciences): 2012-
5. Mr. Ashutosh Kumar Dubey (Economics, Department of Humanities and Social Sciences): 2013-

3. Master and Bachelor Thesis Guidance

Master Thesis (Completed 6, In Progress: 4)

Economics [*Master of Science*]

1. Mr. Aditya Verma (MSc (Integrated)) 2009-10, “*Policy Developments in Airport Congestion Management*”
2. Mr. Shivam Agarwal (MSc (Integrated)) 2009-10, “*On Contest Success Functions*”
3. Ms. Savita Ramprasad (MSc (Integrated)) 2011-12, “*Internet Forums as an Enforcement Mechanism*” (jointly with Dr. Anirban Mukherjee of Department of Humanities and Social Sciences)
4. Mr. Abhilash Maji (MSc (Integrated)) 2012-13, “*Study of the Impact of Advertisement Avoidance Technologies.*”
5. Mr. Vaibhav Patni (MSc (Integrated)) 2014-, “*Affirmative Action in Higher Education.*”

Mathematics [*Master of Science*]

6. Mr. Mayank Lavania (MSc (Integrated)) 2009-2010, “*On Poker as A Game*” (jointly with Dr. Aparna Dar of Department of Mathematics and Statistics)

Civil Engineering [*Master of Technology*]

7. Mr. Keshav Lunani 2013-14, “*Willingness to Pay for Improvement in Service Quality of Public Transit System.*” (Jointly with Dr. Vinod Vasudevan of Department of Humanities and Social Sciences)

Design Programme [*Master of Design*]

8. Mr. Pulkit Saraswat (Master of Design) 2014- (Jointly with Dr. Satyaki Roy of Department of Humanities and Social Sciences)

9. Ms. Manisha Soren (Master of Design) 2014- (Jointly with Dr. Shatarupa T. Roy of Department of Humanities and Social Sciences)
10. Ms. Nikita Saraswat (Master of Design) 2014- (Jointly with Dr. Shatarupa T. Roy of Department of Humanities and Social Sciences)

Bachelor Projects

B.S. (Economics)

1. Tejaswi Rana: *Third Party Intervention in Conflicts* (UGP I,II,III)
2. Parth Mittal: *Collusion and Competition: cases of taxidrivers and vegetable sellers* (UGP I,II,III)
3. Dhruv Goel: *Maching in College Admission*, (UGP II)
4. Sameer Garg: *Patent Race and Lobbying* (UGP II)
5. *Suyash Garg*: (UGP I)
6. *Srajal Nayak* :*Some Experiments in Game Theo*(UGP I,II)
7. *Subham Karnawat*:*Modeling Electricity Markets of India* (UGP II)

4.Knowledge Dissemination

Book

Calculus for Business, Economics, Life Sciences and Social Sciences: authored by R. A. Barnett, M. R. Ziegler & K. E. Byleen and global edition contribution by Vimal Kumar.

NPTEL Courses

1. Microeconomics (Video Lectures) [In-progress: 70% Completed]
2. Applied Game Theory [Massive Open Online Courses (MOOC)] From Jan 5, 2015 to Feb 27, 2015, registration: 5000+ [with Prof. Aditya Jagannatham of Electrical Engineering]

5.Papers, Proceedings and Book Chapters

Papers in Journals

1. “*Opportunism in Polarization: Presidential Success in U.S. Senate, 1953-2006.*”[with Matthew Beckmann](Presidential Studies Quarterly, September 2011 41(3): 488-503)
[Won the The Founders’ Award for Best Paper by a PhD Holding Scholar in American

Political Science Association Annual Conference 2010 in ‘*President and Executive Politics*’ Category]

2. “*Practicing Presidential Leadership: A Model of Presidents' Positive Power in U.S. Lawmaking.*” [With Matthew Beckmann] (**Lead Article** in *Journal of Theoretical Politics*, January 2011 23: 3-20), Sage Publication.
3. “*Organized Crime in India*” *Jagran Journal of Commerce and Economics*, 2012-13.
4. “*Option Electricity Market Design Under UI mechanism in India*” [With Debasmita Panda and S. N. Singh], *Journal of Emerging Trends in Engineering and Applied Sciences (JETEAS)* [Accepted]

Book Chapters

5. “*On The Economics of Organized Crime.*” [With Stergios Skaperdas], In *Criminal Law and Economics*, Edited by Nuno Garoupa. 2009, Edward Elgar Publication.
6. “*Game theory and Networks*” [With Aditya Jagannatham] in *Decision Analysis: Concepts, Techniques and Applications*, Edited by by Raghu Nandan Sengupta, Aparna Gupta, and Joydeep Dutta, CRC Publication [Forthcoming]

Papers in Journal Proceedings

7. “*Production, Appropriation and the Dynamic Emergence of Property Rights*” Annual Conference of International Society for New Institutional Economics, Stirling University, 2010
8. “*Risk Constraint Profit maximization in Multi Electricity market*”, *Proceeding of IEEE Power and Energy Society General Meeting*, Washington DC, USA, 2014. [with Debasmita Panda and S. N. Singh]
9. “*Risk Constrained Profit Maximization under UI Mechanism in India*”, *Proceeding of National Power System Conference, IEEE, Guwahati, INDIA, 2014*, [with Debasmita Panda and S. N. Singh]

6. Funding and Consultancy

1. Housing and Urban Development Corporation Limited (HUDCO) Sponsored Project on “*Economic Analysis of Urban Housing Markets and Policies*”. (2012-2014) [15 lakhs: 5 Laks per year for Three years) [Co-Principal Investigator] (As a Part of a Larger Project Sponsored by HUDCO with Sponsorship Worth Rs. 60 Lakhs spread over 3 years, Principal Investigator: Prof. Sudhir Misra of Department of Civil Engineering]
2. IIT Kanpur Sponserd Project on *Decisions Made under Uncertainties and Limited Information by IIT Kanpur Undergraduate Students*. (2012-) [12 lakhs] [Principal Investigator] (With Dr. Tanika Chakraborty of Humanities and Social Sciieces as Co-Principal Investigator]
3. UGC Sponsored Project on *Creating An International Program For Sustainable Infrastructure Development Under Obama-Singh 21St Century Knowledge Initiative (OSI) Grant (2012-)*[1.23 Crore] [Co-Principal Investigator][Principal Investigator: Prof. Sudhir Misra of Department of Civil Engineering]
4. An alumni Sponsored Project on *Understanding Jugaad a Multidisciplinary Approach (2013-)*[12Lakhs][Co-Principal Investigator][Principal Investigator: Prof. Munmun Jha of Department of Humanities and Social Sciences]

7. Peer Recognitions

1. Young Faculty Research Fellowship: P.K. Kelkar (Class of 1982 Batch) Fellowship from June 1, 2013 to May 31, 2016
2. *Founders Award (2011) for the Best Paper* at the 2010 American Political Science Association’s Annual Conference [Shared with Co-author Dr. Matt Beckmann of University of California Irvine]
3. National Selector (India) for Cargill Global Young Scholar, Year 2013-14.

8. Contributions to the Institute

Institute

1. Associate Dean (Student Activities) [2014-]

2. *Chairman, Student Placement Committee* [2012-2014]
3. *Warden, Hall 3:* [2010-13]
4. *Member, Computer Center Co-ordination Committee* (2010-2014)
5. *MBA Programme Review Committee* (2013)
6. *Member, CoW Committee* (2010-11, 2012-13)
7. *Member, Student Placement Committee* [2010-11]
8. *Member, Antaragini Steering Committee* [2011, 2012]

Department

1. *Lab-in-charge, MSc Economics Lab* (2010-11)
2. *Convener, Computer Committee* (2010-11)
3. *Convener, Computer and Web Committee* (2013-14)
4. *Convener, Faculty Meetings* (2014-2015)

9. Contributions outside the Institute

Conferences and Workshops: Organization

1. A **Conference** on “Climate Change: Science and Society” in association with **Liberty Institute**, New Delhi on March 30-31, 2012 at IIT Kanpur. [Jointly with Prof. Munmun Jha of Humanities and Social Sciences, IIT Kanpur]
2. A **Quality Improvement Programme (QIP)/Short Term Course (STC)** on “*Power Market: Economics and Management*” for QIP and Sponsored Participants from October 29 – November 2, 2012 at IIT Kanpur [Jointly with Prof. S.N. Singh of Electrical Engineering, IIT Kanpur]
3. A **Quality Improvement Programme (QIP)/Short Term Course (STC)** on “*Power System Economics*” for QIP and Sponsored Participants from July 26 – July 30, 2013 at IIT Kanpur [Jointly with Prof. S.N. Singh of Electrical Engineering, IIT Kanpur]
4. A **Symposium** on “*Decision Making by College Students*” on September 18, 2013 [Jointly with Dr. Tanika Chakraborty of Humanities and Social Sciences, IIT Kanpur]

5. A **Quality Improvement Programme (QIP)/Short Term Course (STC)** on “*Power Markets and Economics*” for Power System Operation Corporation (POSOCO) officials and Sponsored Candidates from May 15 – May 18, 2014 at IIT Kanpur [Jointly with Prof. S. N. Singh of Electrical Engineering, IIT Kanpur]
6. A **Quality Improvement Programme (QIP)/Short Term Course (STC)** on “*Applied Game Theory*” for QIP and Sponsored Participants from June 20 – June 24, 2014 at IIT Kanpur [Jointly with Prof. Aditya Jagannatham of Electrical Engineering, IIT Kanpur]
7. A **Short Term Course (STC)** on “*Power System Economics*” **sponsored by** Power System Operation Corporation (**POSOCO**) for Officials working in Power Sector from September 16– September 20, 2014 at National Power Training Institute, Faridabad [Jointly with Prof. S. N. Singh of Electrical Engineering, IIT Kanpur]

Workshop Participation

1. *Design Factory Week* (2012) at Aalto University, Espoo, Finland
2. Workshop on “*New Techniques in Applied Economic Research*” on December 15-17, 2008, organized by The Institute of Economic Growth, University of Delhi Enclave

Invited Lectures and Seminars

1. “*The Role of Economics in Design*”, Gurukool organized at IIT Kanpur by USID Foundation on Aug28, 2010.
2. “*Ethics, Economics and Engineering: Role of Three "E's" in Nation Building*”, Institute of Engineers, Kanpur Local Chapter, 18th August, 2012
3. “*Organized Crime in India: An Economic Analysis*”, Jagran College of Arts, Science & Commerce, 24th November, 2012
4. “*Application of Game Theory in Evolutionary Biology*”, Center of Behavioral and Cognitive Sciences, University of Allahabad, September 5-6, 2014.

