

RITESH SHANKER

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EDUCATION

Program	Institution	%/CGPA
Integrated M.Sc. in Economics	Indian Institute of Technology Kharagpur	7.51/10
XII (CBSE)	VNB Govt. Senior Secondary School, New Delhi	69.4%
X (CBSE)	Loyola High School, Kurji	80.2%

ACADEMIC ACHIEVEMENTS

- Awarded **Distinction certificate** in Mathematics from UNSW, Australia
- Qualified for **National Mathematics Olympiad** in Xth conducted by All India Mathematics Teachers Association

PUBLICATION

- P. MANFREDI – Iannelli, M. – Fanti, L. and Shanker, R.: “Neoclassical Economic Growth under (endogenous) Changing Age Distribution.”, Conference on “Optimal Growth: Theory and Applications”, (September 18-19, 2008, University of Milan, Milan, Italy)

INTERNSHIPS

Department of Statistics for Applied Economics, University of Pisa, Italy 8 WEEKS, SUMMER - 2010

- Projected Indian population till 2050 using **modelling and simulation** in MATLAB 7.0 and R
- Calculated **future Capital Dilution** that India can face due to excess of demand
- Delivered a lecture** on “Sustainability” at an **All Mediterranean seminar** conducted by CISP, University of Pisa, Italy

Institute of Human Development, New Delhi 4 WEEKS, WINTER 2009

- Prepared Questionnaires, visited fields, interviewed labourers working for** Global Production Networks in Delhi NCR
- Prepared summary data** from Unit level data (collected) in STATA 10.0 and EXCEL

Department of Statistics for Applied Economics, University of Pisa, Italy 8 WEEKS EACH SUMMER – 2008 AND 2009

- Devised a methodology to calculate Optimal GDP growth rate that can accommodate dynamics of population and R&D
- Data collection using **NSSO sample survey method** and **Economic modelling and simulation** in MATLAB 7.0 and R

KEY PROJECTS

Masters Thesis: (Currently working on)

- Simulate Modified Samuelson’s Model** of Optimal growth to predict future Production, Savings and Consumption of India
- Suggest policies** to help India benefit from its rapidly changing workforce scenario

Sub Prime Crisis:

- Studied 24 months daily data** of 90-Days-LIBOR & US T-Bill rates, MIBOR & RBI T-Bill rate, Deposit ratio of Indian Banks
- Comprehensive literature review, Analysis of **cross-sector IIP data** to capture impact of crisis on GDP growth

Software Development:

- Developed a **Family Budget Optimisation Software** using Genetic Algorithm

Consultancy Project:

- Reported an appraisal of “Convergence of **NREGA in Orissa**” for UNDP and **Ministry of Rural Development, GOI**
- Conducted several workshops** in five pilot districts to educate government officials about the project

POSITIONS OF RESPONSIBILITY

GYMKHANA

Design Team Head and Member, Kshitij 2008 & 2009

- Expanded design team from two member in 2008 to seven member in 2009
- Designed the largest ever arena for Kshitij 2008 themed on “The Colosseum”

DEPARTMENT

Founding Member, Department of HSS Society 2009 – Present

- Took alone **an initiative** to establish the society, **conducted member selections** and **raised sponsorship** for initial expenditure

HALL

Captain, Dramatics Team, RP Hall, 2009-11

- Trained and Led the team which Won Open IIT **Silver** and **best director award**
- Gold** and **Bronze** in Dramatics in second and third year

Auditor, RP Mess, 2009

- Checked for double counting in taxation, **saved Rs 20,000 annually**

Design Team Head, Rangoli, RP Hall, 2009 & 2010

- Conceptualised and Designed a pixel style Rangoli, RP Hall won Rangoli **Gold after 9 years** in 2009 and **Silver** in 2010

EXTRA CURRICULAR ACTIVITIES

- Best Short Film Award**, Workshop of Movie Making conducted at Kshitij 2009
- Finalist in **C Coding competition** “Overnight” conducted by Kshitij, IIT Kharagpur
- Gold-Medallist in Inter-hall **Hockey**, Silver-Medallist in Inter-hall **Water Polo** for RP Hall
- Represented Loyola High School** in Cricket, Maths Quiz and Painting
- Actively Participated in **Debates, Elocutions, Maths Quizzes** and **Art Exhibition**