Manish Keshri

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SCHOLASTIC ACHIEVEMENT

- Awarded **Undergraduate Research Award** by IIT Bombay for excellence in the field of research
- Ranked among top 1% of the 4.85 lakhs students who appeared JEE 2011
- Ranked in **top 10 all over India** in ICSE standard X 2008 with 97.3%

POSITION OF RESPONSIBILITY

Operations Manager, Team Shunya, Solar Decathlon 2014   *[Apr '13- Till date]*
First Indian Team ever (competing against 19 teams from 15 countries) to participate in an international competition organized by U.S. Dept. of Energy to design, construct, and operate life-size zero energy solar house
- Leading a team of 30 members working on construction of 700 sq. ft. house
    - Determined critical path for construction schedule, ensured adherence to deadlines, planned contingencies
    - Planned construction process and conceived **modular assembly** and **disassembly** procedure to enable construction in 10 days
- Managing procurement of construction materials and equipment worth INR 5 million
- Conceptualizing and executing over 25 events including NMEICT workshop(attended by 10000 people), lectures, conferences, workshops to create awareness on green buildings

Social Secretary, Hostel-2, IIT Bombay   *[Jul '12- Apr '13]*
Elected by an electorate of over 500 hostel inmates with a mandate to promote social culture
- Organized a plethora of events and celebrated cultural festivals to infuse enthusiasm among hostel inmates, thus providing a common platform for social interaction and led the hostel to win **Overall Hostel Cup**
- Introduced the first ever **Hostel Fest** to develop an active socio-cultural environment

Co-ordinator, **Hospitality and Public Relations**, **Mood Indigo 2012**   *[Apr '12- Jan '13]*
Mood Indigo is the largest college cultural festival in India with a budget exceeding INR 15 million and a participation of over 80,000 students from over 700 colleges across the country
- Led a team of 30 organizers to plan and execute the strategies to invite, host and cater to needs of all participants coming to Mood Indigo
- Led the organizing team of World Fest 2012 featuring over 100 international artists from 5 countries

INTERNSHIP AT UNIVERSITY OF TOKYO

Ingress of chloride ion in concrete   *[May '13- July '13]*
Guide: Prof. Toshiharu KISHI, University of Tokyo
- Researched the concentration profile of chloride ion in depth in surface concrete to estimate its durability performance
- Experimented on the porosity and permeability of chloride ion in concrete

KEY ACADEMIC PROJECTS

Solar tracker *[Sept '12- Nov '12]*
Guide: Prof. Siddharth Duttagupta, IIT Bombay
- Designed a circuit to track the movement of Sun, which would increase the efficiency of Solar Panels by predicting the movement of Sun

Sustainable concrete *[May '12- Dec '12]*
Guide: Dr. Prakash Nanthagopalan, IIT Bombay
- Researched the use of textile waste water as a substitute to normal water in concrete
- Experimented the potential of textile waste water in making colored concrete

The War Chess *[Sept '11- Nov- '11]*
Guide: Dr. D.B. Phatak, IIT Bombay
- Led a team of 7 to create a two player chess game for Linux environment using C++ and EzWindows as graphics library

TECHNICAL SKILLS

Programming Languages: Java, C/C++/C#, HTML, JavaScript, PHP, HTML5
Application Softwares: Microsoft Office, AutoCAD
Operating System: Microsoft Windows, Linux (Ubuntu)

RELEVANT COURSES

- **Department Courses:** Structural Mechanics, Solid Mechanics, Water Resources, Fluid Mechanics, Hydraulic Engineering, Numerical Methods in Civil Engineering, Geodesy, Soil Mechanics
- **Technical Labs:** Design Lab, Soil Mechanics Lab, Solid Mechanics Lab, Fluid Mechanics Lab, Geodesy Lab, Mechanical Workshop, Engineering Drawing
- **Mathematics:** Calculus, Linear Algebra, Differential Equation, Data Analysis and Interpretation
- **Others:** Sociology, Environmental Studies, Computer Programming and Utilization, Electrical and Electronics Circuits, Physics, Chemistry, Economics

EXTRACURRICULAR ACTIVITIES

- Part of IIT Bombay's **Limca World Record** for most number of people simultaneously solving a Rubik's cube in 30 minutes
- Represented IIT Bombay at college fests Umang, Malhar in **dance** competition
- Active member of Insync, the Dance club of IIT Bombay
- Mentored around 250 students in salsa workshop organized by Insync
- Awarded **Hostel Organizational Color** for exceptional organizational activities
- Awarded **PAF Color** 2013, **PAF Special Mention** 2012 for exceptional contribution in Performing Arts Festival, biggest inter-hostel cultural competition in IIT Bombay
- Completed a 10 month course in Badminton certified by National Sports Organization
- Represented the hostel in Athletics General Championship