

# Geetika Kukreja | 07IE1017

PHONE NUMBER: +919735565323 AND EMAIL ID. : iitkgp.geetika@gmail.com

## EDUCATION

Program	Institution	%/CGPA	Completion
B Tech in Instrumentation Engineering	Indian Institute of Technology Kharagpur	7.99/10	2011
XII	D.A.V. Public School, Kusmunda	88.8/100	2006
X	D.A.V. Public School, Kusmunda	91.8/100	2004

## ACADEMIC ACHIEVEMENTS

- **All India Rank 1302** in **IIT-JEE** examination among 300,000 candidates, 2007
- Secured **4th rank in Chhattisgarh Pre Engineering Test (2007) [1st in girls]**, awarded by the chief minister of state
- Selected for **Merit Certificate from SECL** (South Eastern Coalfield Limited) for **excellence in academics** among students from 50 schools, **2006**
- Scored **97% in PCM** (Physics(96), Chemistry(97), Mathematics(98)) group highest in the district in **class XII, 2006**
- Scored **99/100 in science and 99/100 in mathematics in class X, 2004**
- Received **Certificate of Achievement** by **Vice-President of DAV** College Managing Committee for securing **90% in class X(CBSE), 2004**
- Received **Merit Certificate from CBSE Board** for being in the **top 0.01% students in Science (CBSE), 2004** in India

## PROJECTS/PUBLICATIONS

- Instrumentation and level sensing in See Saw Bioreactor (B.Tech project 2010-11)
  - Elimination of the problem of offset in the mean level of oscillations of the liquid in the limbs
- Voice Operated System using 8051 core (by silicon laboratories) microcontroller (Jan'10-April'10)
  - Switch is activated to light an LED when the user speaks ON and dims it when the user speaks OFF

## RELEVANT COURSES/LABS

- Industrial Economics
- Operation Research
- Probability and Stochastic Processes

## INTERNSHIPS/PROFESSIONAL EXPERIENCE

- Detection of characteristic points and T-Wave Alternans in ECG (General electrical, Bangalore May'10-June'10)
  - Part of ongoing research group working on different methods for analysis of T-Wave Alternans
  - Developed algorithms in Scilab, an open source software and alternative for MATLAB
  - Worked on the implementation of usage of Scilab on future projects instead of MATLAB

## POSITIONS OF RESPONSIBILITY

- **Member Board, Outgoing exchange(OGX), AIESEC** (International student organization), IIT Kharagpur 2008-09
  - In-charge of European Countries to find traineeships, negotiating with TN managers and matching students to traineeship
- **House captain**, D.A.V. Public School, Kusmunda 2005-06
  - House won general championship among four houses that year

## EXTRA-CURRICULAR/CO-CURRICULAR ACTIVITIES

- Member, Hindi Technology Dramatics Society
  - **gold** in street play in **Carpedium'08**, annual festival of IIM Calcutta
  - **gold** in **Rangmanch** in **Spring Fest'08**, annual social and cultural festival of IIT Kharagpur
- Won **Bronze** in **inter-hall dramatics** competitions '09
- Member, Case study group of SN hall of residence
- **First Prize** in **Quizzing** in Senior category at School Level
- Member, **National Sports Organization - Basketball**
  - **Silver Medal** in Inter-hostel **Basketball Competition '08**.