

AVISHMA MATTA

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EDUCATION and SCHOLASTIC ACHIEVEMENTS

- Undergraduate - Civil Engineering (B. Tech) - **Cumulative Performance Index: 7.37/10**
- Intermediate : Sri Sai Vikas Jr. College, Vijayawada, Andhra Pradesh
Board of Intermediate Education [2008] – **Aggregate: 90.4 %**
- School : ETASI – Timpany Secondary School, Visakhapatnam
Central Board of Secondary Education [2006] – **Aggregate: 80.8 %**
- **Ranked 716** out of approximately 10,00,000 students in All India Engineering Entrance Examination [2009]
- **Ranked 27** in Bright Career Global Math Talent Search Examination [2005-2006], National Level Examination, grade: A1 (top 1/8th)
- **Scored 100** (100%) in Mathematics exam conducted by CBSE [2006]

POSITIONS OF RESPONSIBILITY

- **Hostel Sports Councillor** [2011-date] **Hostel 10, IIT Bombay**
 - Head of the Sports Council of the hostel
 - Responsible for the overall sports scenario of the hostel, major work being planning the schedule of all the sporting events for the girls of the hostel.
 - Planning the inter hostel sports GCs (General Championships) along with the sports nominee and the intra hostel events.
 - Head of a team of five, other four being the sports secretaries, and responsible for the coordination among them to ensure smooth functioning of the Sports Council.
- **Hostel Sports Secretary** [2010-2011] **Hostel 10, IIT Bombay**
 - Conducted intra hostel events and organized team practices for Inter Hostel General Sports Championship (Girls)
 - Led the hostel to victory in various individual GCs and overall Sports GC (Girls)
- **Coordinator, Technoholix, Techfest** [2011] **IIT Bombay**
 - Organised a performance by the “Quick Angels”.
 - Catered to their needs throughout their stay in the institute
- **Organiser, Exhibitions, Techfest** [2010] **IIT Bombay**
 - Worked in the department ‘Exhibitions’: In the exhibit “RoboLobster” by Prof. Joseph Ayers of Northeastern University, Boston.
 - Assisted the professor in explaining the details of the exhibit to the visitors

INDUSTRIAL TRAINING AND PROJECTS

- **Visakhapatnam Steel Plant** [May 23rd - June 11th, 2011] **Guide: Jaganadh R. Patro**
 - Undergone industrial training and got an insight into the construction practices at industrial places
 - Worked at Rolling Mills construction office and visited the Wire Rod Mill-2, Special Bar Mill and Structural Mill which were under construction then

- Interacted with the engineers there to learn more about the construction and the working of the mills. Visited other places in the plant like the Steel Melt Shop, Wire Rod Mill-1 and Blast Furnaces to learn more about the working of the plant
- **First ESCO India Pvt. Ltd.** [June 14th - July 16th, 2011] **Guide: Vijay Kumar K.**
 - Algae Photo Bio-reactor Project - A solution to Global Warming due to Green House Gases
 - Added to the database of the company by doing an extended literature survey
 - Threw light on the limitations and benefits of PBRs
 - Suggested methods for improvement of PBRs and development of bio fuels project
- **Work visit to CWPRS, Pune** [April 2011] **Prof: B. S. Pani**
 - Central Water and Power Research Station: Observed the physical models of ports and harbours in and around Mumbai and the fluid dynamics involved in them
 - Observed the physical models of weirs and dams.
 - Learnt the basics of how to increase the strength of a port

ADDITIONAL LEARNING COURSES and OTHER COURSES

- **Honors:** Advanced Solid Mechanics , Water Resources Engineering*
- **Minor:** Introduction to Industrial Design, Design issues*
- Psychology*
- Remote Sensing and Image Processing
- Introduction to Electrical and Electronic Circuits, Electricity and Magnetism
- Environmental Studies: Science and Engineering
- Economics
- Computer Science: Computer Programming and Utilization (C++)
- Data Analysis and Interpretation

*marked courses are to be completed by December 2011

EXTRA CURRICULAR ACTIVITIES, ACHIEVEMENTS AND INTERESTS

- **Design Exploration Workshop** [May 2011] **Prof: C. Amarnath**
Designed a system to repel the cows from the public dustbins to prevent them from eating the plastics from the garbage
- **Awarded Certificate of Social Service** [2004-2005] **Help Age India**
Worked for the cause and care of the elderly and raised funds for the same
- Participated in **PEAS** [2003-2004] **ACTS Group**
PEAS – Program for Environmental Awareness in Schools is a nationwide network of schools committed to fostering an eco-culture
- **Completed level – A** [2004-2005] **National Cadet Corps (NCC)**
Unit : 2 Andhra Girls Battalion, Vizianagaram. Attended a special 10 days camp organised
- Participated in **social awareness camps** [2004-2005] **As a part of NCC program**
Spread awareness regarding effects of using plastic bags and regarding the spread of AIDS
- **Swimathon** (Institute Level Swimming Event) [2009] **IIT Bombay**
Undergone an endurance test and swam continuously for **12 hours** covering more than 16kms
- An active participant in **athletics** and won several medals in school level athletics
- Enthusiastic in learning **new sports**. Play Badminton, Table Tennis, Throw ball
- Passionate about **music, dance, travelling**, understanding and learning **new cultures**