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Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2013	8.8
Intermediate/+2	Goa Board	Saraswat Vidyalaya	2011	73.33
Matriculation	Goa Board	Saraswat Vidyalaya	2009	88.67

#### SCHOLASTIC ACHIEVEMENTS:

- **All India Rank 1368** (Topper of Goa State) in IIT-JEE (2011) amongst over 0.5 million appearing students.
- **Department Rank 2** amongst a class of 106 competitive students.
- Stood amongst the **top ten students** in Goa Talent Search Exam for three consecutive years.
- Awarded the meritorious **most studious** student of the year award in Class tenth.
- Pursuing a Minor Degree in **Management** at SJM School of Management.

#### PRACTICAL TRAINING AND CORPORATE EXPERIENCE

##### Content and Business Developer at Zeus Learning

[May 2013 – June 2013]

- Analysis of business data and setting up business deals.
- Development of animatronic video lectures at the backhand of Sony Vegas Pro.
- Authored and reviewed over hundred questions for CAT, XAT and IIFT.

##### Junior Content Development Manager at Planceess Education

[Feb 2012 – June 2012]

- Developing and reviewing study Material for IIT-JEE, AIEEE, and other engineering entrance Examination.
- Actively involved in strategizing and developing the content of the website.
- Carried out publicity in print and social media to help build a favorable image.

#### PROJECTS AND TECHNICAL ACCOMPLISHMENTS:

##### Ceramic Tape Casting and Characterization

[Jan 2013 – April 2013]

- Preparation of Ceramic tape slurry using complex constituents and casting it using Doctor Blade
- Characterized and differentiated Green and Sintered Ceramic tapes using SEM with EDX, XRD, TGA, and molecular weight determination using dynamic light scattering.
- Determined the mechanical strength of both the tapes using the level of ceramic loading, particle size distribution and chemical reaction between particle surface and organic binder.

##### Analysis of Defects on Mechanical properties of Composites

[Feb 2012 – April 2012]

- Finding the compromisation of mechanical strength by incorporation of two defects: hole as a discontinuity and edge groove simulating transverse crack.
- Analysed the micromechanical level failure mechanism such as (i) Fibre breaking, (ii) Matrix Cracking, (iii) Interface de-bonding.
- Tested the material using three empirical theory (i) Maximum stress theory, (ii) Minimum strain theory, (iii) Tsai – Wu failure theory.

##### Identified the Bravais Lattice using C++ Software:

[Sept 2011 – Nov 2011]

- Developed a C++ code to identify the unit cell and its Bravais lattice using X-ray diffraction Peaks.
- The code plots the graph of Intensity vs 2-theta given a Bravais Lattice using known value of Wavelength.
- The code identifies the point groups of the sample and video simulation of the point group returns as an output.
- The code returns the Reciprocal lattice associated with the lattice of the sample under observation.

Finalist - Disaster Management Project for Science Exhibition at Goa Science Centre.

[2009]

- Prepared a model showing the precautions to be taken in flood, cyclone, earthquake, tsunami and other natural hazards.
- The model included the preparation of flood drains, earthquake resistant buildings, rehabilitation centres and revamping fire services.

#### Industrial visit to Centaur Pharmaceuticals in Karaswada, Goa

[August 2008]

- Prepared a report mentioning all the ingredients used in the preparation of different pharmaceutical products.
- Reported about the aseptic area,  $\beta$ -Lactum antibiotics, non  $\beta$ -Lactum antibiotics, different manufacturing zone for both type of antibiotics and various instruments used in quality testing procedure.

#### POSITIONS OF RESPONSIBILITY:

##### Academic Mentor, IIT Bombay

#### Coordinator, Marketing, The Entrepreneurship Cell, IIT Bombay

[May 2012 – February 2013]

- Part of 3-tier organizational team of India's premier entrepreneurship promoting student body.
- Invite sponsorships and raise funds by marketing for the events of the club.

#### Head Boy, Saraswat Vidyalaya School

[Feb 2008 - Feb 2009]

- Chosen by 700 students due to exemplary performance in academics as well as extra-curricular activity.
- Involved in leading, administering and motivating the whole school in various academic and non-academic activities.

#### TECHNICAL SKILLS:

- Knowledge of Windows, Ubuntu and Mac OS.
- Comprehensive knowledge of MS Office, Adobe Photoshop, Adobe After effects and Sony Vegas.
- Proficient in C, C++, Java, VBA, HTML, Php, Python, Pearl and Ruby
- **Mechanical workshop:** Experience on lathe, shaper, milling & CNC machine, TIG and MAG welding.
- **Others:** Confident public speaker, superb stamina to work for hours.

#### ADDITIONAL COURSES UNDERTAKEN/COMPLETED:

- **Economics** :- Microeconomics and Macroeconomics
- **Energy Economics** - Calculation of depreciation, ALCC, LCC (Life cycle Costing) and payback period.
- **Data Analysis and Interpretation** – Statistics, Probability and Regression.
- **Human Resource Management** – Organizational performance of Human Resource in engineering, personal and industrial management. Recruiting and selection at workplace.

#### EXTRA CURRICULAR ACTIVITIES

##### Cultural

- Special mention in **Dramatics** at the inter hostel General Competition.
- Represented School in many **Quiz, Elocution and Debate** Competitions.
- Participated in Ad making GC, Creative writing GC and Film making GC.

##### Sports

- Captain, School cricket team at the All Goa Cricket Tournament 2008.
- Represented the hostel for **chess** and **tug of war** at the inter hostel General Competitions.

##### Nature Lover

- Served two years in school and one year in IIT Bombay
- Took part in conserving environment by planting a variety of species of plants at strategic locations in

the campus.