

SCHOLASTIC ACHIEVEMENTS

- Pursuing a minor degree offered by the **Electrical Engineering** Department [2018]
- Secured **All India Rank 1264** out of 0.2 million shortlisted candidates in **JEE Advanced** [2016]
- Achieved **All India Rank 2600** out of 1.2 million candidates in **JEE Main** [2016]
- Recipient of **KVPY fellowship (SX stream)** with **All India Rank 237** out of 0.1 million candidates [2016]
- Awarded the **Maharashtra Talent Search Exam (MTSE)** scholarship with a **state rank 32** [2014]
- Awarded Certificate of Merit **top 1%** in **National Standard Examination in Chemistry** [2015]

KEY PROJECTS

Silver nanoparticles-based hydrogel microfluidic encapsulation May 18 - Present

Guide: Prof. Venkat Gundabala, Chemical Engineering IIT Bombay

- Designed and fabricated microfluidic devices using **silicon based organic polymer** (PDMS)
- Suspended **silver (Ag) nanoparticles** by the application of **ultrasonic frequencies** to agitate particles
- Conducting experiments for surface and volume encapsulation of **Ag nanoparticles** in **alginate hydrogel**
- Analyzing high resolution images of samples using **scanning electron microscopy (SEM)** and **cryo-SEM**
- Performing experiments on a **microfluidic scale** by matching the frequency of **oil-alginate emulsion** generation with that of **aqueous calcium chloride** resulting in the production of microcapsules

Multiple Counters Using Integrated Circuits | Course Project Sep 17 - Dec 17

Guide: Prof Joseph John, Electrical Engineering IIT Bombay

- Designed a **multiple sequential counter** using basic logic gates implemented with integrated circuits
- Worked on ICs to produce sequential circuits, used with combinational circuits to effect synchronous counters

POSITIONS OF RESPONSIBILITY

Core Team Member | Media and Public Relations | SARC(2018-19) Apr 18 - Present

Leading a two-tier 55+ membered team that works closely with Alumni Association and Dean ACR Office

- Engineered **40+ cryptic puzzles** for SARCasm, a one-of-its-kind online IIT-B hunt to cater to **3500+** students
- Responsible for ideation and handling of events over the year having an extendable budget of **INR 1 million**
- Capitalized a Quarter-over-Quarter ascension of **300%** in the social media outreach for the platform of Facebook
- Authoring the monthly newsletter, **Knowledge Tree**, having a global outreach to **50,000+** alumni
- Formulated pre-publicity mascot storyline for Alumination catering to **200+ alumni and 1000+ students**

Coordinator | Lecture Series | Techfest 2017-18 Jun 17 - Dec 17

Asia's largest technological college festival with footfall of 0.16 million

- Led a team of **15 organizers** to supervise operations responsible for events catering to **3000+ visitors**
- Executed lectures delivered by the humanoid **Sophia** which saw the Convocation hall being filled twice
- Supervised the transportation of all the keynote speakers including Tanmay Bakshi during the fest

Sports Secretary | Hostel VI Jun 17 - Mar 18

Responsible for on-ground execution of Hexfest and Performing Arts Festival

- Surpassed previous performances in sports with **5th** position and **363%** increase in points over the past 2 years
- Charted and organized inter-house matches within the hostel to promote sports culture

EXTRA CURRICULARS

Courses	• Pursuing Global Financial Markets and Instruments on Coursera [2018]
	• Attended Finance bootcamp organised by Finance Club; Android Workshop by WnCC [2018]
Quiz	• Runners Up at National Quiz organised by Society of Petroleum Geophysicists [2013]
	• Secured 1st position at Milantirtha Quiz, an interschool quiz competition [2011]
Others	• Performed and triumphed in Main Dramatics inter-hostel general competition [2017]
	• Editor(EnSpace-17)– Drafted an article 'Be An Eagle' for the official magazine of E-Cell [2017]
	• Secured 2nd runners up position in Sophie hockey general competition [2018]
	• Ranked 6 in Apeejay Talent Search Exam conducted over overall Apeejay Schools [2013]
	• Participated in Times Of India's NIE Exhibition 'My Green Earth' [2012]
	• Cleared Pre Regional Mathematics Olympiad [2015]