



### EDUCATION

Program	Institution	% /CGPA	Completion
Dual Degree in Mechanical Engineering	Indian Institute of Technology Madras	7.17/10	2020*
XII-HSC	Narayana Jr. college Hyderabad	96.5%	2015
X-SSC	Kendriya Vidyalaya AFS Amla	10/10	2013

### SCHOLASTIC ACHIEVEMENTS

- Secured National rank **3063** and state rank **208** in the finals of 15<sup>th</sup> SOF-National Science Olympiad 2013
- Awarded with Certificate of Merit from CBSE for excellent performance in 10<sup>th</sup> grade 2013
- Awarded merit scholarship from Department of Social justice and Empowerment 2015-20
- Cleared the National Defence Academy exam (In the **top 2%** among **4 lakhs** participants) 2015

### RELEVANT COURSES

- Thermodynamics
- Measurements, Instrumentation and Control
- Heat Transfer
- Accounting and Finance
- Analytical Edge (online)
- Operations Research\*

### PROJECTS

- Cofounder, WashDude** Jan– March 2017
- Developed an **IOT product** to help students to queue and track their wash through website and get notified via SMS
  - Managed to get seed funding of **2 lakhs** from Nirmaan after the approval from professor Dr. Mahesh Panchagnula
- Automated Under Water Vehicle** June-2017\*
- Part of a multidisciplinary team working towards development of an underwater vehicle maneuverability and control
  - Being a member of mechanical subsystem, worked on designing of components, material of Hull, Structure Analysis
- Self-Balancing Arm (Course Project – Instrumentation Control System, Under Prof- Dr. S. Sathyan)** Feb – April 2017
- Applied PID control Algorithm to balance an arm using Arduino, accelerometer and motor drivers
  - Achieved the **highest range** of about 120 degrees (among 20 groups) and a response time of fewer than 2 seconds
- Power Generation Using Speed Breaker (Under Prof- Dr. R. Ramkumar)** Feb – April 2018\*
- Designing a market viable robust mechanism, with size constraint for practical application, to generate electrical energy
  - Comparing our model with existing mechanism, the whole system is designed such that it can be installed above the road

### POSITION OF RESPONSIBILITY

<b>Social Affairs Secretary of the Hostel (Elected) Narmada Hostel</b> 2017-2018*	<ul style="list-style-type: none"> <li>Analyzed the budget of about <b>Rs. 10 lakhs</b> along with the hostel council members</li> <li>Leading <b>400 students</b> in the inter-hostel literary and cultural competitions (LITSOC)</li> <li>Improved the Cultural Aptitude of hostel and mentoring literary and cultural enthusiasts in hostel, identify talents and provide opportunity to showcase it</li> <li>Planned and executed various events, festival, and gatherings to increase hostel bonding</li> <li><b>Vision</b>-To improve the sophomore participation in LITSOC events and win the LITSOC</li> </ul>
<b>Deputy Head Association and Sponsorship cell</b> I&AR 2017-18*	<ul style="list-style-type: none"> <li>Ideated and developed sponsorship avenues for Alumni related event</li> <li>Manifested quality branding and ensuring sponsors retainment</li> <li><b>Initiative</b> – collaboration with other IITs and help them start a similar program</li> </ul>
<b>Association Manager IITM Association team</b> I&AR 2016-17	<ul style="list-style-type: none"> <li>Responsible for negotiating with <b>over 30+ firms</b> for Association with IIT Madras</li> <li>Bought exclusive deals for IIT Madras fraternity that includes <b>OYO rooms, Park Hyatt</b></li> <li>Achieved <b>20% increase</b> in the number of consumers of deals through good publicity</li> </ul>

### SKILLS

- Software** - AutoCAD, MATLAB, SolidWorks, Eagle, Creo, Aspen Plus\*, PLM \*
- Programming** - C, Python, R

### CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

<b>Technical</b>	<ul style="list-style-type: none"> <li><b>Finalist</b> in Robowars Tech-soc event among <b>10 teams</b> (Shaastra) 2016</li> <li>Secured <b>2<sup>nd</sup></b> in Junkyard Wars with <b>30+</b> participants at Shaastra, IIT Madras 2017</li> <li>Finished <b>3<sup>rd</sup></b> in Project-X Tech-soc event (Shaastra) 2016</li> </ul>
<b>Miscellaneous</b>	<ul style="list-style-type: none"> <li><b>House captain</b> representing a house of <b>300</b> students in sports and cultural activities</li> <li>Secured <b>1<sup>st</sup> rank</b> in Inter House Chess Championship in school</li> <li>Part of the Hostel dance team for the Inter hostel dance competition</li> <li>Member of the Volley ball and Hockey Team of Narmada Hostel in Schroeter IITM</li> <li>Participated in <b>Terry-Fox</b> and <b>Pinkathon</b> marathon, campaign for cancer patients</li> </ul>

\*ongoing