

## SANIKA MUKUND NAVANDAR

+91 7219112207 | [sanika.navandar1105@gmail.com](mailto:sanika.navandar1105@gmail.com)

An aspiring researcher with a keen interest in waste management, food technology, sustainability and other related aspects. Currently looking for an opportunity to broaden my knowledge spectrum in chemical and biosciences.

ACADEMIC QUALIFICATIONS		
Graduation(2021)	Vishwakarma Institute of Technology, Pune	8.6 (CGPA)
12 <sup>th</sup> –HSC (2017)	Laxmanrao Apte Jr. College, Pune	85.5%
10 <sup>th</sup> –ICSE (2015)	St. Mary’s School, Pune	95.6%

### INTERNSHIPS AND PROJECTS

**Semester Long Internship** **Pune Gas Parts & Services** **2020**

Was one amongst the two selected for a semester long internship at Pune Gas, Pune for two on-going projects. The project descriptions are given below:

- i) **Chemical Based Leak Detection Spray:**
  - Produced a Leak Detection Spray, one of its kind in India, which is also nominated for the Finest Skills & Talent Awards 2021
  - Made it 86% cost efficient than the ones imported.
  - Working towards its patenting.
- ii) **Development of a Dry Type LPG Vaporiser:**
  - Contributed towards making the present Dry Type LPG Vaporisers more efficient.
  - Did extensive research in find a more economical replacement for the alloy hence making an effort to put a stop on imports from Germany

**Study Collaboration** **Rarissimè, Skin Sure Clinic** **2021**

Independantly worked with Dr, Rashmi Soni Lohiya, (DDV, MD, DNB) over the research and development of the skin and hair products for a new cosmetics brand, Rarissimè

**Project Economics and Plant Engineering for the Extraction of Geranium Oil** **2021**

- Geranium Oil finds extensive use in the fragrance and medicinal sectors. In a group of 3, we are studying the process to set the plant conditions and calculate the economics for the batch process.

**Process Development for Production of Furfural using Corncobs** **2019**

- Agro waste was utilised to produce a vital chemical, Furfural which is extensively used as a lubricant and is a raw material for many other organic compounds. Research has also been going on to check if it can be used as an alternative to fuel.

### ACHIEVEMENTS & CERTIFICATIONS

#### Achievements

- Paper Publication on the topic “**IOT Integrated Colorimetric Oxygen Concentrator Output Gauge**” in **International Journal of Advanced Research in Science and Engineering , Volume No. 06, Issue No. 12, December 2017.**
- Won several Kathak competitions.
- Was the Woman of the League for the cricket tournament held as an activity at my internship.

#### Supplementary Certifications

- Oil and Gas Industry Operations and Markets
- Basics of Environment Studies and Climatic Change
- Simulation of a Chemical Process using COCO

#### Commendations

- Letter of Recommendation from Mr. Jesal Sampat, Executive Director at Pune Gas Parts & Services.
- Letter of Recommendations from Dr. Prof. Mrs. Tanushree Bhattacharjee, VIT, Pune
- Letter of Appreciation from the Dean Student Activities at VIT, Pune for the contributions in the Student Council for the years 2018-19 and 2019-20.
- Letter of Appreciation from Mr. Jaisinh Sampat, Managing Director, Pune Gas Parts & Services.

### POSITIONS OF RESPONSIBILITY

- **Sponsorship Secretary**, Student Council (A.Y 2018-19)  
With a team of 8 volunteers, approached key sponsors like Football Club, Pune City (FCPC), eQ Technologic and so on for the college event which saw a sponsorship of nearly 3 lakhs.

- **Head Public Relations and Branding**, Event Planning and Execution Committee (A.Y 2019-20)  
Lead a team of 20 individuals.  
Conceptualized the marketing strategies for an event with a budget of around 18 lakhs.
- **Manager**, Chemical Engineering Students' Association (A.Y 2018-19)  
Primarily played a major role in organising the International Conference on Energy and Environment (ICEE-2019)
- **Advisor**, Chemical Engineering Students' Association (A.Y 2019-20)  
Was selected into a 4-membered core committee which lead a team of 40 individuals.  
Organised various guest lectures, conferences and industrial visits for the students.

#### SKILLS

- Software Proficiency - MS Office(Word, Excel, Powerpoint), COCO,
- Personal – Leadership, team work skills
- Languages - English, Hindi, Marathi