

## **Testimonials**

### **1. Class XII**

|                                     |       |
|-------------------------------------|-------|
| Aggregate marks obtained in PCB/PCM | 66.33 |
| Number of attempts                  | 1     |
| Year of passing                     | 2013  |

### **2. Bachelor's**

|                         |      |
|-------------------------|------|
| Aggregate SGPA obtained | 7.95 |
| Number of attempts      | 1    |
| Year of passing         | 2017 |

### **3. Master's Degree**

|                         |      |
|-------------------------|------|
| Aggregate SGPA obtained | 7.76 |
| Number of attempts      | 1    |
| Year of passing         | 2019 |

### **4. Publications, if any**

| <b>Name of the journal/publication</b>                  | <b>Title of the article</b>   | <b>Year, volume, page no of the article<br/>(Please upload reprint)</b> |
|---|---|---|
| Analytica Chimica Acta                                  | Microfluidic Electrochemical Device for Real-time Culturing and Interference-free Detection of Escherichia coli                           | 2023, Volume 1237, 340591   |
| STAR protocol   | A protocol to execute a lab-on-chip platform for simultaneous culture and electrochemical detection of bacteria                           | 2023, Volume 4, Issue 2, 102327   |
| MDPI: Sensors   | Electromicrofluidic Device for Interference-Free Rapid Antibiotic Susceptibility Testing of Escherichia Coli from Real Samples            | 2023/11/21, Volume 23, Issue 23, 9314                                   |
| IEEE Xplore   | Electrochemical Micro-scaled Biosensor for Non-invasive Detection of Lactate  | 2023/12/17  |
| Journal of Nanobiotechnology                            | Optimized Flexible Microheater with Integrated Electrodes and Microchannel for On-chip Bacterial Incubation and Electrochemical Detection | Under Review  |
| International Journal of Research and Analytical Review | Development of radial arm maze apparatus used in memory-enhancing activity  | 2018, Volume 5(3), 876  |

## 5. Patent, if any

| File No      | Title  | Inventor   | Year |
|--------------|--|--|------|
| 202211058942 | Device for Simultaneous Culturing and Detection of Microorganisms  | Sangam Srikanth, Sonal Fande, Khairunnisa Amreen, Satish Kumar Dubey, Arshad Javed         | 2022 |
| 202411000357 | A Flexible Microheater and A Process for Fabrication Thereof   | Sonal Fande, Khairunnisa Amreen, Sanket Goel   | 2024 |
| 202411015293 | Multiplexed biosensing device for detection of antibiotic- resistant bacteria, Sanket Goel and Sonal Fande | Sonal Fande and Sanket Goel  | 2024 |
| 202411030694 | A process to fabricate a gold on Electrodes on a flexible and inflexible substrate                         | Satish Kumar Dubey, Samit Chattopadhyay, Sonal Fande, Aniket Balapure, Narayana Rao Gurram | 2024 |

## 6. Merits and Awards

| Name of the award/merit certificate, if any, already received by the applicant. | Title  | Achievements                 |
|---|--|------------------------------|
| ICMR-SRF Research Grant award   | Development of a wearable, fully integrated biosensor for on-site, real-time Sweat biomarker detection as a point-of-care device | Sanctioned for 3 years       |
| Symposium on Electronics for Self-Reliance                                      | Lab-on-Chip Electrochemical Sensor for Simultaneous Culturing and Real-time Detection of E. Coli                                 | Poster Presentation          |
| Pitch Competition Award   | Wise-YP Big Idea Pitch Competition Award Winner for Impactful Solution   | First Prize                  |
| Pitch Competition Award   | Idea Pitch Competition in Women Hackathon 2.0 for Innovative Ideas in health and wellness.                                       | Winner (2nd Prize)           |
| APSCON 2024   | Multiplexed Electrochemical Biosensing Platform for Ultrafast Detection of Antibiotic-Resistant Bacteria                         | Live Demo Presentation       |
| OeAD research mobility fellowship   | Received OeAD (Austrian Agency for Education and Internationalisation) Research  | Research Exchange fellowship |

|                          |   |                     |
|--------------------------|---|---------------------|
|                          | Fellowship as a visiting fellow at the University of Vienna, Austria                          |                     |
| International Conference | 8th International Conference on Biosensing Technology held on 12-15 May 2024, Seville, Spain. | Poster Presentation |

## 7. Scholarships

| Name of the scholarship, if any, already received by the applicant | Year | Achievements           |
|--|------|------------------------|
| Graduate Pharmacy Aptitude Test                                    | 2017 | Qualified              |
| Indian Council of Medical Research                                 | 2022 | Senior research fellow |
| OeAD (Austrian Agency for Education and Internationalisation)      | 2024 | Received               |



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