

## Swetha Vallabhaneni

Email ID: ammu.capricon5@gmail.com

Phone: 9059876767

### Summary:

- Over **10+ years of** experience in teaching, currently working with St. Joseph's institutions as an Assistant **professor**. proficient in planning and developing appropriate teaching programs to optimize the teaching process while effectively addressing student needs.
- 10+ years of experience in teaching **microbiology, Biotechnology, Environmental studies**, and guiding students to participate in national level **seminars, Symposiums, Science fairs** Etc.
- 1+ year of experience in teaching **NEET Botany**.
- 2 years of experience as **NSS coordinator** and guiding students to participate in various social activities.
- Currently working as a member of women empowerment cell and Anti-ragging committee
- Guided students to carry Socio economic surveys on "Biofertilizers - Effect on soil" and " Water Purification"
- Act as Question paper setter to Osmania degree college and Silver jubilee Gov. college, Kurnool
- Appointed as Practical examiner to Osmania degree college , Kurnool
- Skilled in integrating relevant technology to support classroom instructions and learning activities
- Hands on experience in developing curriculum to accommodate different learning styles and maximizing students' comprehension.
- Hands-on experience on MS office, MS Excel, Moodle etc.
- Highly developed sense of creating positive educational environments for students a quick learner with exposure to cultural work environments,

### Education:

- B.SC (Life Science)** from SKUniversity,2009
- **M.SC (Micro-Biology)** from Rayalaseema University, 2012
- **B.Ed. (Biology and English)** from Rayalaseema University, 2013
- **M.A (English)** from SKUniversity,2017

- **Qualified APSET in 2020** (Andhra Pradesh state lecturer eligibility test)

- **Joined PhD in 2022** yogi vemana university, Cuddapah

### **Technical Skills:**

**Microbiology:** Isolation of Microorganisms, Culturing of microorganisms, Preservation of microorganisms, Preparation of different types of media, Staining of Microorganisms, Wine distillation, MIC, IMVIC Tests.

**Molecular Biology:** PAGE, SDS PAGE, Isolation of DNA and RNA, Isolation of Plasmid.

**Analytical Techniques:** Paper chromatography, TLC, Centrifugation and Electrophoretic techniques.

**Enzymology:** Enzyme assay, Specific Activity, Enzyme purification and Enzyme kinetics.

**Immunology:** Immuno Electrophoresis, ELISA, WBC and RBC count, TC, DC and ESR

**Biotechnology:** Tissue culturing, Fermentation, Industrial productions, Food processing

**Genetic Engineering:** Isolation of DNA, Plasmid, ligation Gene transfer Etc.

### **Achievements:**

- Participated in science fair programs at school level, college level.
- Participated in work-shops of Microbiology and Biotechnology.
- Participated in the UGC sponsored National Symposium on **Emerging Trends And Developments in biotechnology** organized by SKU college of engineering and technology and presented a paper on **Nanotechnology in Cancer Detection and Treatment**.
- Winner of the Young Bioengineer award.

### **Areas Of Interest:**

1. Molecular Biology
1. Microbiology
2. Biochemistry
3. Immunology
4. Biotechnology

### **Strengths:**

- Intellectual potential for a career in teaching.
- Self-confidence and maturity.
- Ability to analyze a problem and formulate a solution.
- Hardworking and Enthusiasm to learn new things.
- Punctual, Honest with Leadership qualities.
- Good communication skills.

### **Professional Experience:**

**June 2015-Till Date**

**Institute: St. Joseph's institution, AP**

**Role: Assistant Professor**

**Subject: Microbiology, Environmental Studies**

- Train students to deal with microorganisms with practical applications, In depth understanding of **microbiology, biotechnology and Environmental studies** and all other related sciences.
- Live productions and their applications in the environment, industry, medicine etc.
- Perform research regarding new studies and findings and implement these new concepts into the classroom.
- Assist students in making decisions regarding career choices and courses they should take.

**Environment:** Isolation, cultivation and preservation of **microorganisms, PAGE**, Isolation of **DNA and RNA**, Isolation of plasmids, chromatography, **TLC**, centrifugation, Electrophoresis, Enzyme assay, kinetics, ELISA, WBC and RBC count, DC, ESR etc.

**June 2012-May 2015**

**Institute: Vasavi Mahila kalasala, AP**

**Role : Assistant Professor**

**Subject: Microbiology, Biotechnology**

- Delivered lectures on Microbiology and biotechnology as per approved schedules and curriculum, delivered course syllabus and materials as per college standard format.
- Evaluated students' assignments and class work, maintained reports of students' progress and attendance, participated in campus events and educational committee.
- Maintained department equipment and materials in good condition, responded to daily needs of the microbiology department.
- Provided support for research programs assisted students in laboratory works.

**Environment:** Isolation, cultivation and preservation of **microorganisms**, PAGE, Isolation of DNA and RNA, Isolation of **plasmids**, chromatography, TLC, centrifugation, Electrophoresis, **Enzyme assay**, kinetics, **ELISA**, WBC and **RBC** count, **DC**, **ESR** etc.

#### **Personal Details:**

**Father's Name** : Sri. V. Satyanarayana  
**Date of Birth** : 06-08-1989  
**Gender** : Female  
**Marital Status** : Married  
**Religion** : Hindu  
**Nationality** : Indian  
**Languages Known** : English, Telugu, Hindi  
**Permanent Address** : H.no: 45/142-A-62-1A, Venkata Ramana Colony, Kurnool, A.P

#### **Declaration:**

I hereby declare that the above-mentioned information is correct and best out of my knowledge. I bear the responsibility for the correctness of the above-mentioned particulars.

**Place: Kurnool**

**Date:**

**SWETHA VALLABHANENI**