

## Swetha Vallabhaneni

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### Summary:

- Over **6+ years** of experience in teaching, currently working with St. Joseph's institutions as a **professor** proficient in planning and developing appropriate teaching programs to optimize the teaching process while effectively addressing student needs.
- 6+ years of experience in teaching **microbiology, Biotechnology, Environmental studies**, and guiding students to participate in national level **seminars, Symposiums, Science fairs** E.t.c
- 1+ year of experience in teaching **NEET Botany**.
- 2 years of experience as **NSS coordinator** and guiding students to participate in various social activities.
- Skilled in integrating relevant technology to support class room instructions and learning activities
- Hands on experience in developing curriculum to accommodate different learning styles and maximizing students comprehension.
- 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

### Technical Skills:

**Microbiology:** Isolation of Micro-organisms, Culturing of micro-organisms, Preservation of micro-organisms, Preparation of different types of media, Staining of Micro-organisms, 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 in school level, college level.
- Participated in work-shops of Micro-biology and Biotechnology.
- Participated in UGC sponsored National Symposium on **Emerging Trends And developments in biotechnology** organised by SKU college of engineering and technology and presented a paper on **Nanotechnology in Cancer Detection and Treatment.**
- Winner of Young Bioengineer ward.

### **Areas Of Interest:**

1. Molecular Biology
2. Microbiology
3. Biochemistry
4. Immunology
5. 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's,AP**

**Role: Assistant Professor**

**Subject: Microbiology, Environmental Studies**

- Train students to deal micro organisms with practical applications, In depth understanding of **micro biology , bio technology and Environmental studies** and all other related sciences.
- Live productions and their applications in 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 andRNA,** Isolation of plasmids,chromatography, **TLC,** centrifugation, Electrophoresis,Enzyme assay, kinetics, ELISA, WBC and RBC count, DC, ESR etc

**June 2012-May 2015**

**Institute: Vasavi womens degree college, 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 event and educational committee.
- Maintained department equipment and materials in good condition, responded to daily needs of micro biology 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**