

2.3.1 *Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools*

The institution strives for the overall development of the students and seeks to implement different methods to impart knowledge effectively to the students. To achieve effective construction of knowledge, it follows various student centric methods with the accompaniment of ICT tools.

PARTICIPATIVE LEARNING

All the faculty members, besides following conventional mode of lecture and teaching, involve students in interaction and make them participate in the discussions so that their knowledge shall be enhanced with as many queries as possible. Seminars, Role-plays are conducted to the students on any topic of their choice, within their curriculum periodically to enable them to gain knowledge and enhance their participation and presentation skills.

EXPERIENTIAL LEARNING

Classes are conducted in such a way that the content delivered should enhance learning experience to the students. Students' knowledge on science subject gets enriched through experiments. With experiments they know the facts and get verified at first hand individually.

FIELD VISITS/INDUSTRIAL VISITS

Students are engaged in different field trips to get direct experience on the subjects. Field trips are organized by each subject faculty to achieve and enrich their level of understanding through first hand and experiential learning. Faculty also involve students in INDUSTRY CONNECT programs in both online and offline modes for job employments to the students.

COMMUNITY SERVICE PROJECTS/INTERNSHIPS

The Dept of science, arts & Commerce strictly involve the students to do community service projects on real-time topics in order to increase the awareness of the needs of the society and to enhance employability skills, during their first and second years and Internships during their final year.

PROBLEM SOLVING METHODOLOGIES

Every subject faculty takes special care to deliver their respective subject content in such a way that depending upon the understanding levels and background of the students, the LOT and HOT domains of the Bloom's Taxonomy is achieved. Classes are engaged with different activities

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(pair, individual and group) along with teaching the content to achieve the best of both world of understanding and developing the knowledge and command of the subject content. Quizzes and Group Discussions are conducted periodically to test their knowledge on how far the students have understood the content of the curriculum and assessed accordingly thereby enhancing their problem solving abilities.

ICT ENABLED TOOLS

The institution provides Digital and virtual classrooms and the faculty use laptops and LCD projectors in teaching to intensify their learning process. It strives to impart knowledge in line with the emerging trends and technologies. Use of Google forms are initiated for quizzes after completion of each unit. The faculty uses digital classroom to conduct Guest lectures, webinars and other online programs. LCD projectors are used by both faculty and students for PowerPoint presentations. Most of the students are made to present their seminars in the form of PPTs with an initiative to develop their knowledge in the usage of ICT tools. Students are counseled through Google meet/Cisco Webex apps. LMS videos prepared by faculty are available for students in the college website.

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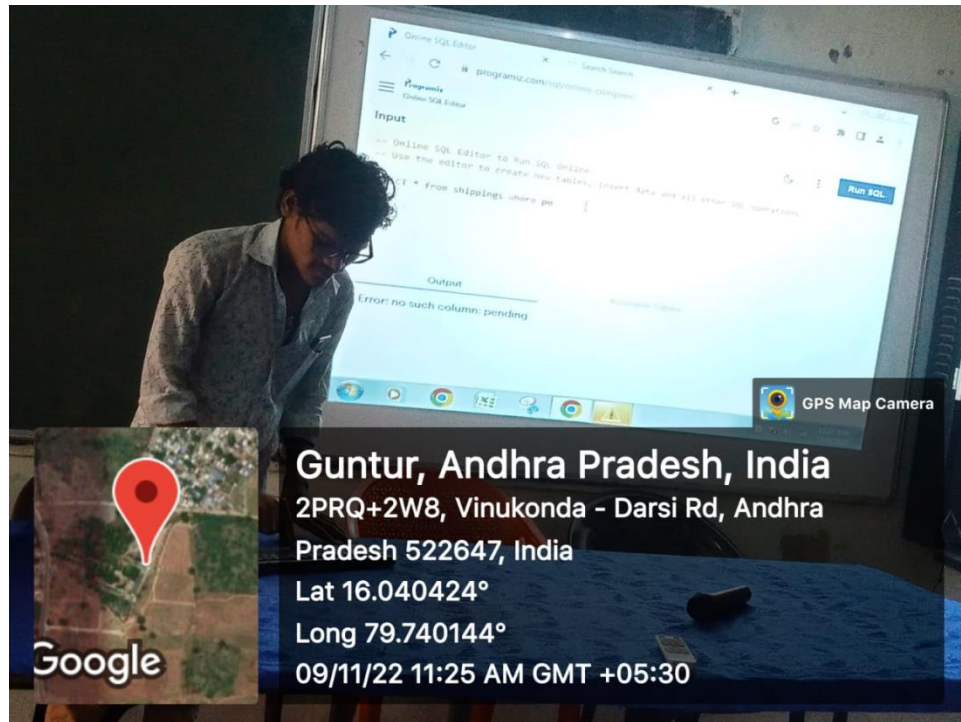


Figure 1: Seminar by Students

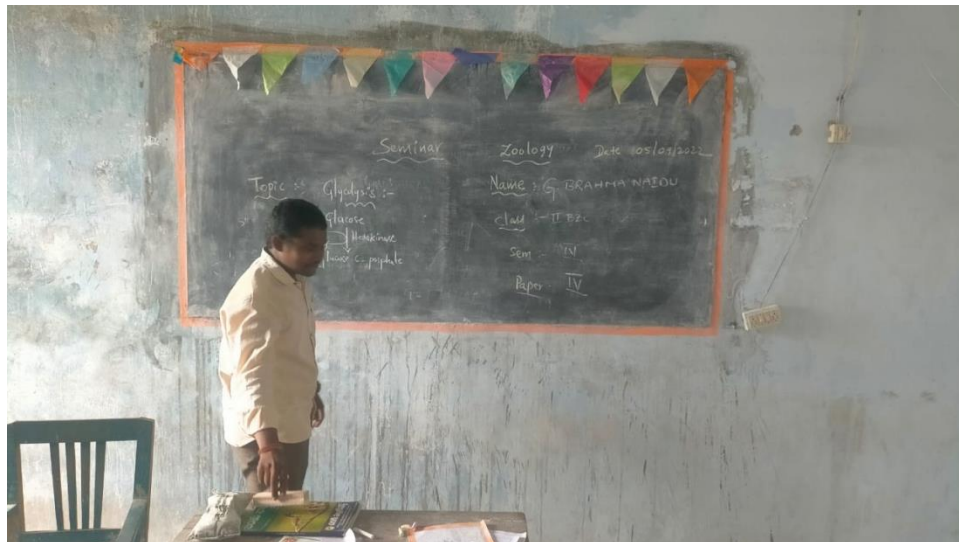


Figure 2: Seminar by students

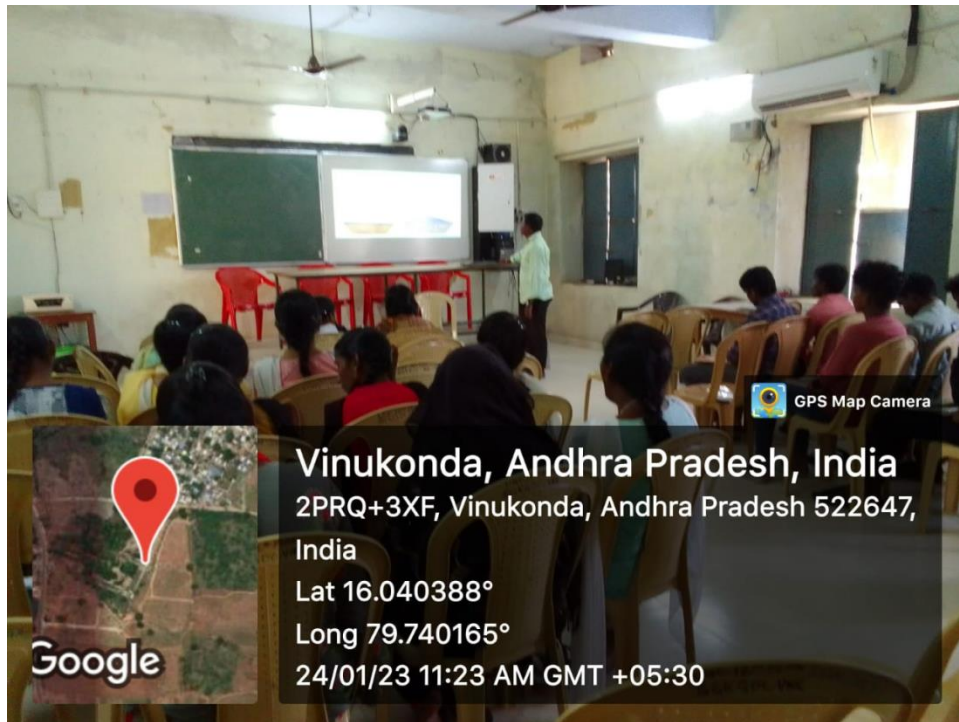


Figure 3: Seminar by students



Figure 4: Field Visit to Polavaram



Figure 5: Field visit to Polavaram

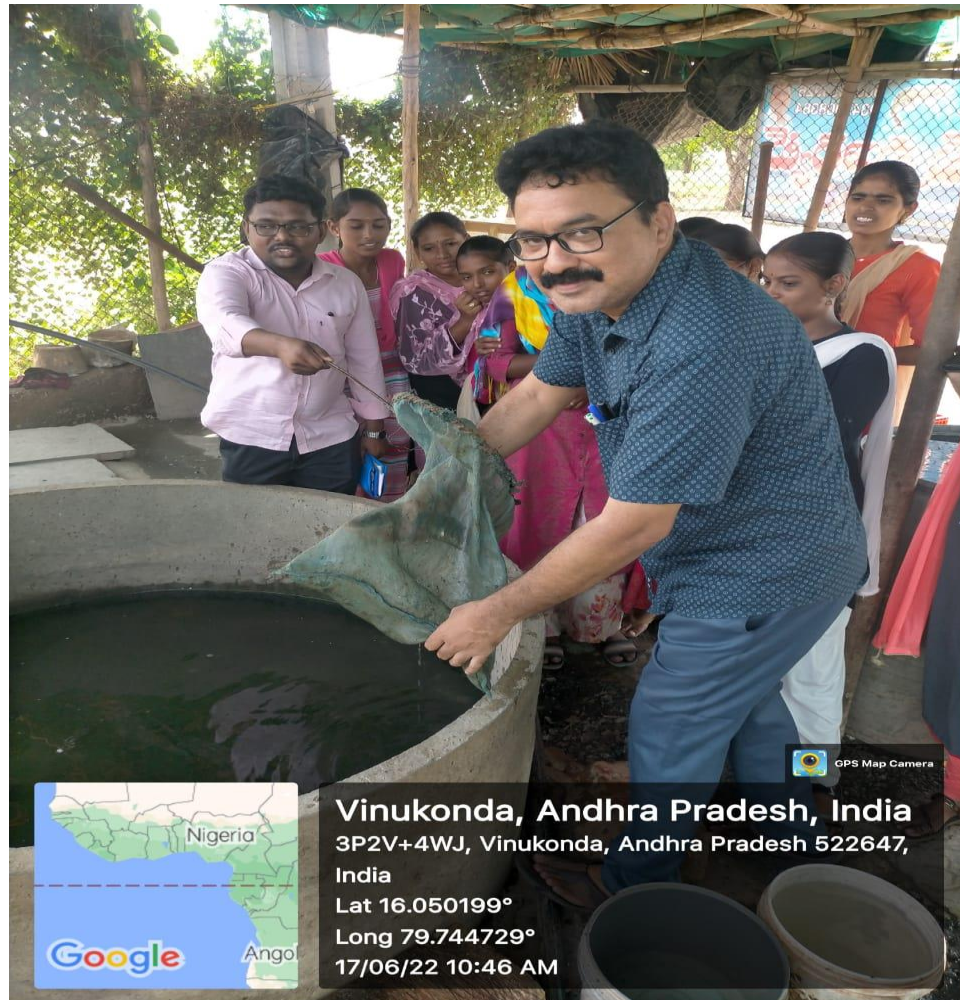


Figure 6: Field visit to Fish Pond



Figure 7: Field visit to Gurram Jashuva Village



Figure 8: Field visit to Agriculture Market



Figure 9: ICT enabled teaching



Figure 10: ICT enabled teaching



Figure 11: Using ICT tool, Plickr



Figure 12: Conducting Quiz



Figure 13: Students doing survey as part of community service project

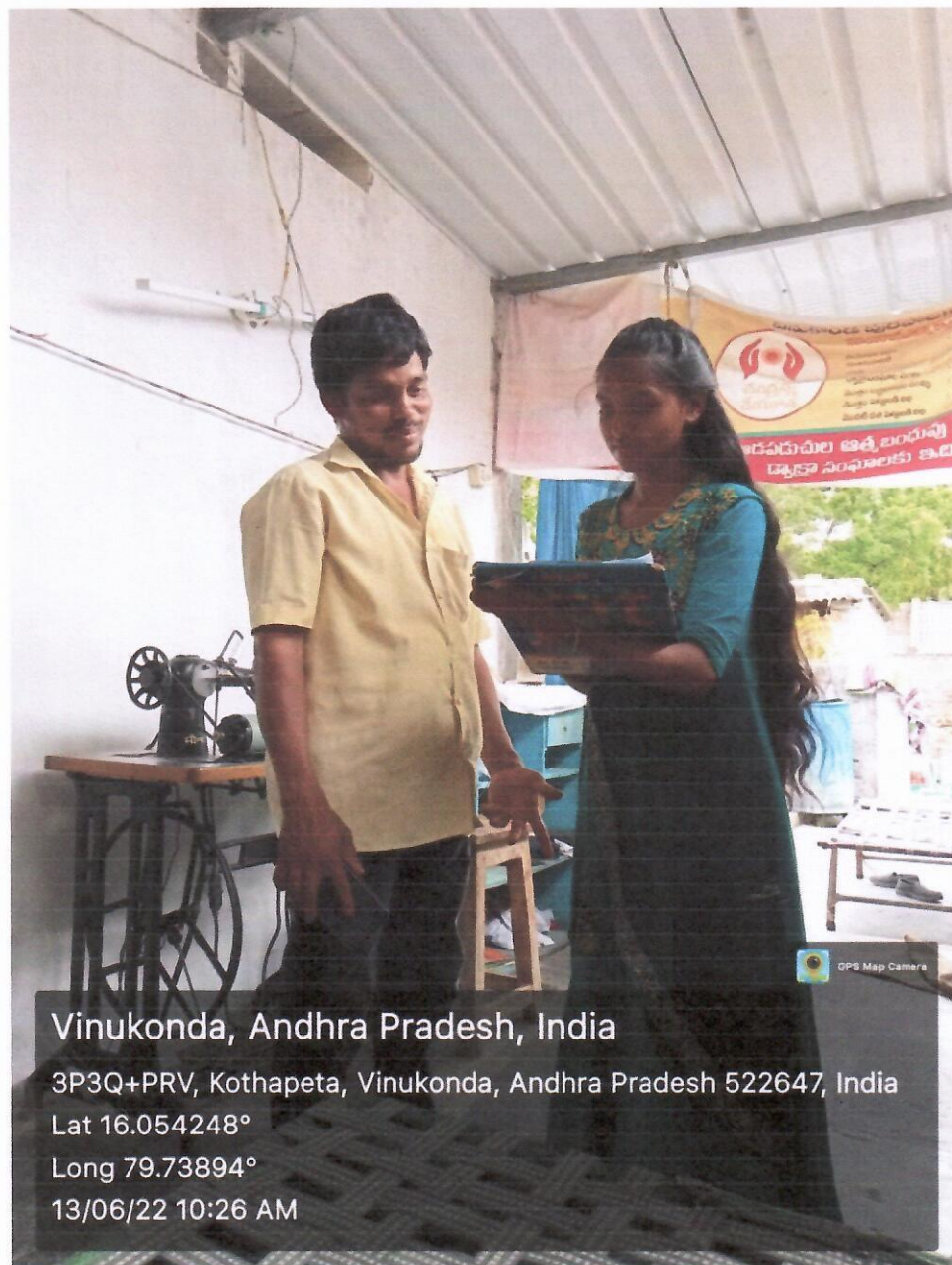


Figure 14: Students doing survey as part of Community Service Project

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