2.3.1 Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

Apart from the regular traditional teaching-learning methods, various innovative methods are also included.

1. Lecture method:

This conventional/traditional method facilitates the teacher to interpret, explain and revise the content of a text only for better understanding of the subject. In each semester, to encourage practice learning and for better understandings we provide and conduct lab sessions.

2. Interactive method:

Interactive method of learning includes various activities among students like group discussion, role-play, subject quiz, and discussion with question/answers session. These activities encourage active participation and engagement, leading to better retention of information and a deeper understanding of the subject matter.

3. **Group Learning Method:**

All Engineering Students are trained through Group Discussions, and Group Projects/Assignments to promote group learning activity and help them with speaking Skills and other skills. This collaborative approach also allows students to learn from each other's perspectives and experiences, enhancing their problem-solving abilities and critical thinking skills. Additionally, it prepares them for real-world scenarios where teamwork and communication are essential for success in the field of engineering.

4. **Project–based Learning (PBL):**

Mini and Major Project work is mandatory for all the students and apart from this PBL is introduced in new curriculum to inculcate research orientation. The effective phases of survey, case study, implementation through samples, testing and report writing ensure the required PBL among the students where it help them understand it even more. This hands-on approach to learning allows students to apply theoretical knowledge to practical situations, enhancing their overall understanding of the subject matter.

5. **Experiential Learning:**

The faculty members foster a learning environment around students by engaging in rich experiential content of teaching through experimentation, demonstration, visual aids, organizing exhibitions as well as presenting papers. These diverse teaching methods help students to grasp concepts more effectively and encourage active participation in their own learning. As a result, students are better equipped to apply their knowledge in real-world situations and excel in their academic pursuits.

6. **Student Seminar:**

Speaking on stage helps students gain confidence, to enable it Student seminars are mandatory in all programs offered at the institute. Usually students present seminar on contemporary topics as well as state-of-the-art technologies.

PRINCIPAL
Vaagdevi College of Engineering
Bollikunta, Warangal-506003