2.3.1: **Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

In today's rapidly evolving educational landscape, student-centric methods such as experiential learning, participative learning, and problem-solving methodologies play a crucial role in enhancing learning experiences and promoting deeper understanding among students. Additionally, the integration of Information and Communication Technology (ICT)-enabled tools, including online resources, further enriches the teaching and learning process, making it more interactive, engaging, and accessible. Here's how these approaches are used effectively within the educational context:

1. Experiential Learning:

Experiential learning is a hands-on approach that encourages students to actively engage in learning through direct experiences, reflection, and application of knowledge. This method involves various activities such as field trips, simulations, case studies, and project-based learning, which allow students to connect theoretical concepts with real-world situations. By immersing themselves in authentic learning experiences, students gain a deeper understanding of the subject matter, develop critical thinking skills, and enhance their problem-solving abilities. Moreover, experiential learning promotes student autonomy and fosters a sense of ownership and responsibility for their own learning process.

2. Participative Learning:

Participative learning, also known as collaborative or interactive learning, emphasizes active engagement and participation among students in the learning process. This approach encourages peer-to-peer interaction, group discussions, cooperative learning activities, and student-led presentations or debates. By working collaboratively with their peers, students exchange ideas, share perspectives, and construct knowledge collectively. Participative learning fosters communication skills, teamwork, and empathy, while also promoting a supportive and inclusive learning environment where every voice is valued and respected.

3. Problem-Solving Methodologies:

Problem-solving methodologies focus on developing students' ability to analyze complex problems, formulate effective solutions, and make informed decisions. This approach

involves presenting students with authentic, real-world problems or challenges that require critical thinking, creativity, and innovation to solve. Teachers facilitate the problem-solving process by providing guidance, scaffolding, and feedback as students work through the problem-solving tasks. Additionally, incorporating structured problem-solving frameworks such as design thinking, inquiry-based learning, or project-based learning enhances students' problem-solving skills and prepares them to tackle real-world challenges in their future careers.

4. ICT-Enabled Tools and Online Resources:

ICT-enabled tools, including online resources, digital platforms, and educational software, offer a wealth of opportunities to enhance teaching and learning experiences. These tools provide access to vast repositories of educational content, multimedia resources, interactive simulations, and virtual labs that cater to diverse learning styles and preferences. Teachers can leverage ICT-enabled tools to deliver engaging multimedia presentations, facilitate online discussions, administer assessments, and provide personalized feedback to students. Moreover, online learning platforms and Learning Management Systems (LMS) enable asynchronous and synchronous communication, collaboration, and resource sharing, thereby extending learning beyond the confines of the traditional classroom and promoting lifelong learning opportunities.

In conclusion, integrating student-centric methods such as experiential learning, participative learning, and problem-solving methodologies, along with ICT-enabled tools and online resources, enhances the teaching and learning process, making it more interactive, engaging, and effective. By embracing these innovative approaches, educators can create dynamic and inclusive learning environments that empower students to become active participants in their own learning journey and prepare them for success in the digital age.