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## Pedagogical Innovation: Sharing of e- content

Pedagogical innovation through sharing e-content on a YouTube channel enhances accessibility and engagement. Educators can present lessons, tutorials, and resources in diverse formats, reaching a broader audience. This method allows students to revisit material anytime, fostering self-paced learning, improving retention, and making education more interactive and widely available.

The screenshot shows a YouTube video player with a slide titled "Definition". The text on the slide reads: "Fermentation is an enzyme catalysed, metabolic process whereby organisms convert starch or sugar to alcohol or an acid anaerobically releasing energy. The science of fermentation is called 'zymology'." To the right of the text is a diagram of a plant cell showing the breakdown of glucose into pyruvate, which can then be converted into ethanol or lactate (fermentation) or enter the aerobic cycle (aerobic respiration).

The screenshot shows a YouTube video player with a slide titled "Advantages of Fermentation". The text on the slide reads: "Using suitable microorganisms and specified conditions different kinds of fermentation products are formed namely:-" followed by a list of products: Wine, Beer, Biofuels, Yoghurt, Pickles, Bread, and Sour foods containing lactic acid.

### **Assessment Innovation: Paper Presentation**

Assessment innovation through paper presentations encourages students to synthesize research and present ideas effectively. This method evaluates their ability to communicate complex topics, engage with the audience, and demonstrate critical thinking. It fosters public speaking skills, boosts confidence, and promotes active learning, enhancing students' overall academic and professional development.



### **Digital Innovation: Utilization of audio/video-equipped classrooms**

Digital innovation through audio/video-equipped classrooms enhances teaching and learning experiences by integrating multimedia tools. These technologies facilitate dynamic presentations, interactive lessons, and remote learning opportunities. They improve student engagement, enable real-time feedback, and cater to diverse learning styles, making education more inclusive, accessible, and effective in today's digital age.

