INNOVATIVE TEACHING PRACTICES

BOOKEND LECTURE

The Bookend Lecture Method is a student-centred instructional approach designed to enhance engagement and retention during traditional lectures. This method divides a lecture into three segments: an introductory activity, a central lecture period and a concluding activity. At the beginning, students are typically engaged with a brief question, discussion or problem related to the topic to activate prior knowledge and set learning objectives. This helps the students to get an overall idea about the content they are about to receive and encourages active participation.

At the end of the lecture, the method is used to consolidate learning. This could involve group discussions, summarization exercises, reflective writing, or problem-solving activities that reinforce the material covered. The goal is to encourage students to process and apply what they have learned, rather than passively receive information. The Bookend Lecture Method promotes deeper learning by incorporating active learning strategies within a structured framework, helping students make meaningful connections and improving their understanding of the subject matter.

This method of pedagogy is used in the course delivery of various subjects. The theory topics in the courses are conveyed to the students through this method. The entire lecture is divided into small topics. Each topic will be provided to the students for a 5-to-10-minute discussion. At the end of the discussion, the students are asked to present their ideas and views about the topic. Then, the faculty delivers the lecture incorporating the inputs of students. At the end of the lecture, one or two students will be asked to summarize the topic.

CET402 QUANTITY SURVEYING & VALUATION

BOOK END LECTURE – PLAN

Time: 50 minutes

- **Topic - Introduction to valuation**

  Valuation – definition and procedure of valuation - **5 minutes**

- **Topic – Purpose of valuation**

  Group discussion - **5 minutes**

  Providing inputs to students

  Presentation of points noted by students - **8 minutes**

  Explaining the various purpose of valuation - **5 minutes**

- **Topic – Factors affecting valuation**

  Group discussion - **6 minutes**

  Providing inputs to students

  Presentation of points noted by students - **9 minutes**

  Explaining the various factors affecting valuation - **5 minutes**

  Summary of the class by students – **7 minutes**

CET206 TRANSPORTATION ENGINEERING

BOOK END LECTURE – PLAN

Time: 60 minutes

- **Topic - Introduction to Railway Engineering**

  Topic of discussion - Advantages and disadvantages of rail road transportation

  Group discussion - **5 minutes**

  Providing inputs to students

  Explaining the advantages and disadvantages - **5 minutes**

- **Topic - Components of railway track or permanent way**

  Identifiable components of railway track - **3 minutes**

  Reason for the term permanent way - question to the class

  Explaining the components of railway track in general and their main functions with the help of a sketch - **7 minutes**

- **Topic - Rails**

  Requirements - discussion - **5 minutes**

  Describing the requirements – **5 minutes**

  Reason for choosing I section in rails - discussion - **3 minutes**

  Elaborating the different types of rails - **7 minutes**

- **Topic - Sleepers**

  Briefing the requirements of a sleeper - **4 minutes**

  Discussion on types of sleepers based on materials - **5 minutes**

  Advantages and disadvantages of each type of sleepers - **7 minutes**

  Summary of the class by students - **4 minutes**