



**Department of Civil Engineering**  
**Academic Year 2021– 2022 (Odd Semester)**

**Degree, Semester & Branch: VII Semester B.E. Civil Engineering**

**Course Code & Title: CE8701 – Estimation, Costing and Valuation Engineering**

**Name of the Faculty member (s): Mr.G.Karthikeyan**

**Innovative Practice Description**

- **Unit / Topic: Unit I /** Video lecture on overview of quantity surveying
- **Course Outcome: CO1 & CO4**
- **Topic Learning Outcome: TLO2, TLO12**
- **Activity Chosen: Webinar (Video lecture)**
- **Justification:**

Quantity surveying is of paramount importance to deliver the efficiency of projects along with financial arrangements before the actual execution of the project. Video lecture is more effective to understand the subjects and opportunities to interact with industry person to know the latest updates in Estimation, Costing and Valuation Engineering. Also give awareness to our students for job opportunities in the field of Quantity Surveying.

- **Time Allotted for the Activity: 60 minutes**
- **Details of the Implementation:**

Er.Shriram Ramanan, Quantity Surveyor, Parsons Corboration, Dubai, delivered his speech on the topic “An overview of Quantity Surveying” through google meet and explained the role of quantity surveyor in various stages and Introduction of various forms of standard contracts and the opportunities available for Civil Engineers in quantity surveying.

- **CO – PO / PSO mapping:**

CO	PO1	PO2	PO11	PO12	PSO2
CO1	3	2	2	1	1

(1 – Low      2 – Moderate      3 – High)

- **PO / PSO mapped:**

Innovative practice	PO1	PO2	PO11	PO12	PSO2
<b>Justification for correlation</b>	Apply fundamental knowledge in Quantity Surveying	Using the principles of Engineering mathematics, students will be able to Estimate the cost for the project	Understanding the project cost and finance approval	Latest techniques in Quantity surveying	Modern tools can be used for rate analysis and cost estimation

• **Images / Screenshot of the practice:**



• **Reflective Critique:**

❖ **Feedback of practice from students and other stakeholders:**

The students felt easy to understand, more job opportunities in quantity surveying and recollect the concepts involved in the given topic which will make them interest to study this subject and perform well in the continuous assessment test.

**Benefit of the practice:** (E.g.: Outcome attainment would have increased due to innovative practice over conventional practice)

- Video lecture presentation is more effective to understand the subject easily.
- Students can refer this video lecture whenever they interested to learn the topic.

❖ **Challenges faced in implementation:**

More no. of students are unable interact with the expert during the session due to time restriction.

References:

- ❖ <https://youtu.be/Iyqsh-3lyZc>
- ❖ B.N. Dutta, “Estimating and Costing in Civil Engineering”, UBS Publishers & Distributors Pvt. Ltd., 2010.