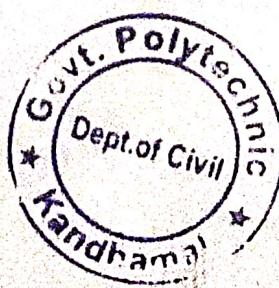
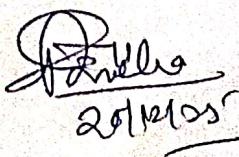
**LESSON PLAN - PR-2. Estimating and Costing Lab, SESSION -2025-2026 (SUMMER 2026) BATCH-2024-2027****(4th Semester)**

Discipline Civil Engineering	Semester: 4th	Name of the Teaching Faculty: GOURANG CHARAN PRADHAN, Sr. Lect. In civil Engg.
Subject: PR-2- Estimating and Costing Lab	No. of days/ per week class allotted: 4	Semester From Date : 22-12-2025 to Date: 18-04-2026 No. of Weeks: 15
Week	Class Day	Theory/ Practical Topics
1ST	1	1. Prepare the list of items to be executed with units for detailed estimate of a given structure from the given drawing.
	2	1. Prepare the list of items to be executed with units for detailed estimate of a given structure from the given drawing.
	3	1. Prepare the list of items to be executed with units for detailed estimate of a given structure from the given drawing.
	4	1. Prepare the list of items to be executed with units for detailed estimate of a given structure from the given drawing.
2ND	1	1. Prepare the list of items to be executed with units for detailed estimate of a given structure from the given drawing.
	2	1. Prepare the list of items to be executed with units for detailed estimate of a given structure from the given drawing.
	3	2. Prepare a report on market rates for given material, labour wages, hire charges of tools & equipments required to construct the given structure as mentioned in at Serial number 1 above.
	4	2. Prepare a report on market rates for given material, labour wages, hire charges of tools & equipments required to construct the given structure as mentioned in at Serial number 1 above.
3RD	1	2. Prepare a report on market rates for given material, labour wages, hire charges of tools & equipments required to construct the given structure as mentioned in at Serial number 1 above.
	2	2. Prepare a report on market rates for given material, labour wages, hire charges of tools & equipments required to construct the given structure as mentioned in at Serial number 1 above.
	3	2. Prepare a report on market rates for given material, labour wages, hire charges of tools & equipments required to construct the given structure as mentioned in at Serial number 1 above.

	4	2. Prepare a report on market rates for given material, labour wages, hire charges of tools & equipments required to construct the given structure as mentioned in at Serial number 1 above.
4TH	1	3. Study of items with specification given in the DSR ( for any ten item)
	2	3. Study of items with specification given in the DSR ( for any ten item)
	3	3. Study of items with specification given in the DSR ( for any ten item)
	4	3. Study of items with specification given in the DSR ( for any ten item)
5TH	1	3. Study of items with specification given in the DSR ( for any ten item)
	2	4. Recording in Measurement Book (MB) for any four items
	3	4. Recording in Measurement Book (MB) for any four items
	4	4. Recording in Measurement Book (MB) for any four items
6TH	1	4. Recording in Measurement Book (MB) for any four items
	2	4. Recording in Measurement Book (MB) for any four items
	3	5. Prepare bill of quantities of given item from actual measurements. (any four items).
	4	5. Prepare bill of quantities of given item from actual measurements. (any four items).
7TH	1	5. Prepare bill of quantities of given item from actual measurements. (any four items).
	2	5. Prepare bill of quantities of given item from actual measurements. (any four items).
	3	5. Prepare bill of quantities of given item from actual measurements. (any four items).
	4	5. Prepare bill of quantities of given item from actual measurements. (any four items).
8TH	1	6. Prepare approximate estimate for the given civil engineering works.
	2	6. Prepare approximate estimate for the given civil engineering works.
	3	6. Prepare approximate estimate for the given civil engineering works.
	4	6. Prepare approximate estimate for the given civil engineering works.
9TH	1	6. Prepare approximate estimate for the given civil engineering works.
	2	7. Calculate the reinforcement quantities from the given set of drawings for a room size of 3 m x 4 m with bar bending schedule (footing, column, beam, lintel with chajjah, slab)
	3	7. Calculate the reinforcement quantities from the given set of drawings for a room size of 3 m x 4 m with bar bending schedule (footing, column, beam, lintel with chajjah, slab)

	4	7. Calculate the reinforcement quantities from the given set of drawings for a room size of 3 m x 4 m with bar bending schedule (footing, column, beam, lintel with chajjah, slab)
10TH	1	7. Calculate the reinforcement quantities from the given set of drawings for a room size of 3 m x 4 m with bar bending schedule (footing, column, beam, lintel with chajjah, slab)
	2	7. Calculate the reinforcement quantities from the given set of drawings for a room size of 3 m x 4 m with bar bending schedule (footing, column, beam, lintel with chajjah, slab)
	3	7. Calculate the reinforcement quantities from the given set of drawings for a room size of 3 m x 4 m with bar bending schedule (footing, column, beam, lintel with chajjah, slab)
	4	7. Calculate the reinforcement quantities from the given set of drawings for a room size of 3 m x 4 m with bar bending schedule (footing, column, beam, lintel with chajjah, slab)
11TH	1	8. Prepare rate analysis for the given five item of works.
	2	8. Prepare rate analysis for the given five item of works.
	3	8. Prepare rate analysis for the given five item of works.
	4	8. Prepare rate analysis for the given five item of works.
12TH	1	8. Prepare rate analysis for the given five item of works.
	2	9. Prepare detailed estimate of small Septic tank from the given set of drawings.
	3	9. Prepare detailed estimate of small Septic tank from the given set of drawings.
	4	9. Prepare detailed estimate of small Septic tank from the given set of drawings.
13TH	1	9. Prepare detailed estimate of small Septic tank from the given set of drawings.
	2	9. Prepare detailed estimate of small Septic tank from the given set of drawings.
	3	9. Prepare detailed estimate of small Septic tank from the given set of drawings.
	4	10. Prepare detailed estimate of a Road.
14TH	1	10. Prepare detailed estimate of a Road.
	2	10. Prepare detailed estimate of a Road.
	3	10. Prepare detailed estimate of a Road.
	4	11. Prepare detailed estimate of a residential building.
15TH	1	11. Prepare detailed estimate of a residential building.
	2	11. Prepare detailed estimate of a residential building.
	3	11. Prepare detailed estimate of a residential building.
	4	11. Prepare detailed estimate of a residential building.



  
 26/12/05  
 H.O.D  
 Dept. of Civil Enng.  
 Govt. Polytechnic  
 Kandhamal