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| 1. | Title of the course | Applied Process Engineering-IV |
| 2. | Course number | CH309G |
| 3. | Status of the course | Core |
| 4. | Structure of credits | - - -1 |
| 5. | Offered to | UG |
| 6. | New course/modification to | Modification To CH3250/12 |
| 7. | To be offered by | Department of Chemical Engineering |
| 8. | To take effect from | January 2022 |
| 9. | Prerequisite | Nil |
| 10. | Whether approved by the Department | Yes |
| 11. | Course Objective(s): To design units of the overall process using the appropriate tools introduced in the current semester. | |
| 12. | Course Content: Select and design the reactors, incorporate process instrumentation, controllers and safety features and develop piping & instrumentation diagram for the assigned process flow sheet and design problem . | |
| 13. | Textbook(s): 1. Sinnott R K and Towler G, <i>Coulson and Richardson's Chemical Engineering: Chemical Engineering Design, Volume 6</i> , 3rd Edition, Butterworth-Heinemann (2015). | |
| 14. | Reference(s): 1. Green D W and Southard M Z, <i>Perry's Chemical Engineers' Handbook</i> , 9th Edition, McGraw Hill (2018). 2. Sinnott R K and Towler G, <i>Chemical Engineering Design: Principles, Practice and Economics of Plant and Process Design</i> , 2nd Edition, Butterworth-Heinemann (2012). | |