

Title of Activity: **GATE Lecture**

Title	Preparation for GATE-2021 Examination
Date	29 th Dec. 2020
Name of Resource Person	Mr. Y. A. Donolikar
Name of Faculty Coordinator	Mr. Y. A. Donolikar
Name of Student Coordinator	-
Venue	Online from D. Y. Patil College of Engineering & Technology, Kolhapur.
Objectives	1. To create awareness amongst students about importance of GATE-2021 Examination. 2. To motivate the students for appear for GATE-2021 Examination. 3. To guide the students about preparation of GATE-2021 Examination.
Description	In this lecture Mr. Y. A. Donolikar explained in details about importance of Process Calculation subject for GATE examination. He has also given mark weightage for Process Calculation subject. Mr. Y. A. Donolikar explained in details about material balance without chemical reactions & with chemical reactions which are frequently asked questions in GATE Examination with hints. Finally session was concluded by question answering session. This activity was conducted between 09:00 to 10.45 a.m.
Outcome	1. Students will understand importance of Process Calculation subject for GATE-2021 Examination. 2. Students will become familiar about preparation of GATE - 2021 Examination for of Process Calculation subject.
Impact	At the end of this lecture students got knowledge about importance & preparation of Process Calculation subject and will prepare them GATE - 2021 Examination.
CO / PO / PSO Mapping	PO 1, PO 2, PO 3, PO 12, PSO 1.
No. of Students / Faculty benefited	21 Participants from final year.

Glimpses

GATE Lecture - Microsoft PowerPoint

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GATE - Process Calculations

The schematic diagram of a steady state process is shown below. The fresh feed (F) to the reactor consists of 96 mol% reactant A and 4 mol% inert I. The stoichiometry of the reaction is $A \rightarrow C$. A part of the reactor effluent is recycled. The molar flow rate of the recycle stream is $0.3F$. The product stream P contains 50 mol% C. The percentage conversion of A in the reactor based on A entering the reactor at point 1 in the figure (up to one decimal place) is _____

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Faculty Coordinator

H. O. D