📢 Important Announcement: Group Assignment on Sequential Circuits

Dear Students,

I’ve been informed that this Friday will again be a public holiday. As a result, we will not be able to cover the final chapter on Sequential Circuits during class time.

To ensure we stay on track with the syllabus, I have decided to assign a Group Assignment in place of our final lecture session. This assignment will be part of Assignment 2 and will focus on the topic of Sequential Circuits.

📝 Group Assignment: Sequential Circuits

Assignment Title: Definition, Design, Analysis, and Application of Sequential Circuits

Submission Format: Typed PDF Report + Circuit(scanned one)

Deadline: Before the Main Exam

Submit via Email: kundan.ks143@gmail.com

📂 Assignment Guidelines

A group consists of 4 members only and Each group is required to complete the following tasks:

1) Theoretical Overview (1–2 pages)

- Define sequential circuits and explain the difference between sequential and combinational circuits.

- Briefly describe the main types of sequential circuits such as: SR Flip-Flop, D Flip-Flop, JK Flip-Flop, Counters (basic concept)

2) Design Task

Select and design one of the following: SR Flip-Flop , JK Flip-Flop, D Flip-Flop

Include a labeled circuit diagram.

N.B: If possible, simulate the design using tools like logicly etc