Scope Definition

Classroom Management System

Prepared By

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Presentation Outline

Objective

❖ Analyse a university's classroom/coursework related system and any existing automation it might have.

❖ Realise the problems and find out what shortcomings they might have

❖ Propose an automated, better performing system.

Existing System analysis: Operating Mechanism

❖ Teachers open different groups for different courses using platforms like Facebook, Google, and Piazza.

❖ All students join the groups to stay updated about the related course.

❖ They need to monitor every group regularly to keep up-to-dated.
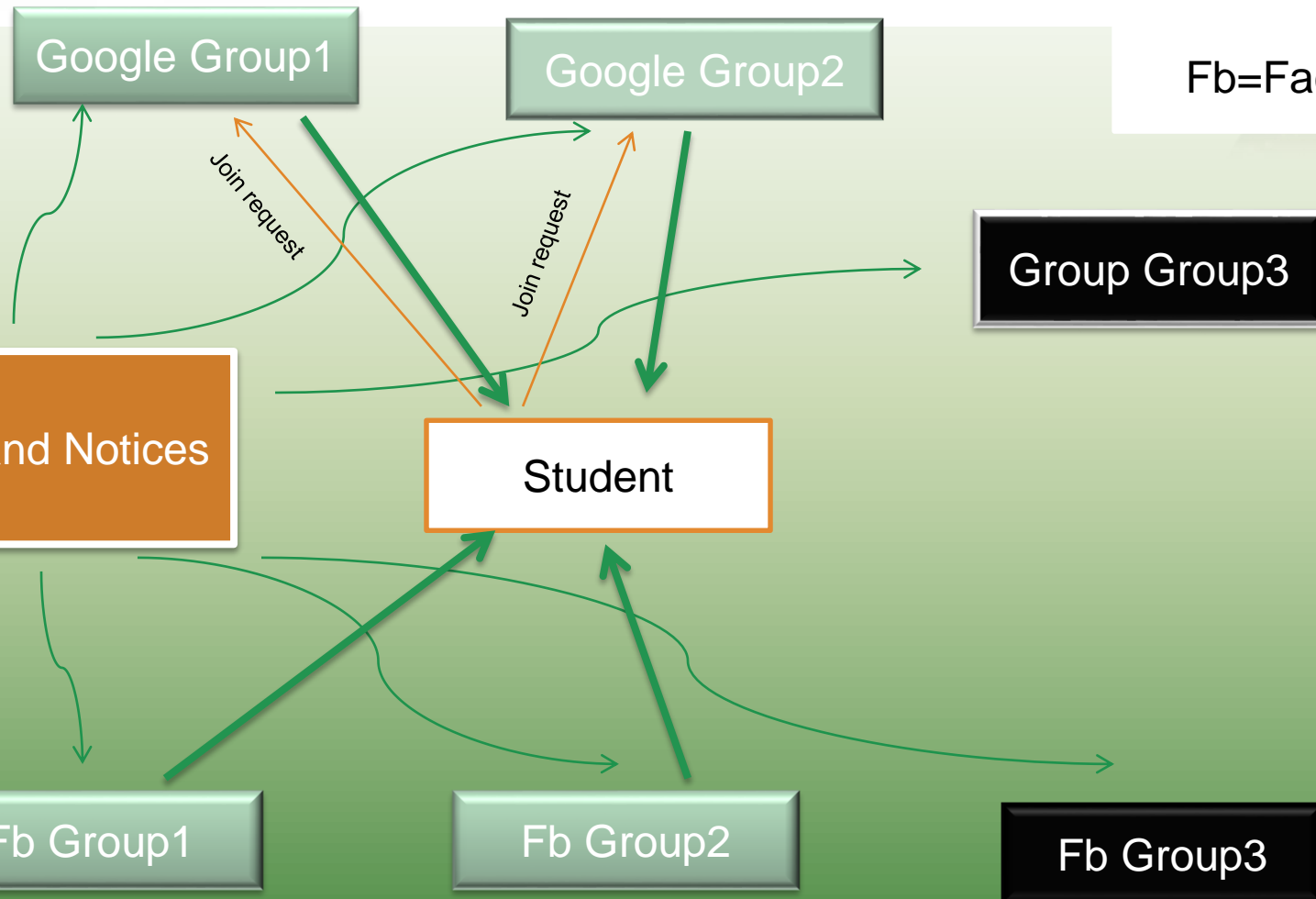
Existing System analysis: Operating Mechanism

❖ After finishing the courses the groups become invalid.

❖ Again new groups are created for new courses and the process continues perpetually.

Existing System analysis: Operating Mechanism

Google Group1

Google Group2

Fb=Facebook

Group Group3

Join request

Join request

Files and Notices

Student

Fb Group1

Fb Group2

Fb Group3

Existing System analysis: Problem vs. Automation Status

Problems of the current system	Automation status
Different groups are opened in different platform specially Facebook.	Manual
Many teachers use some other platform(e.g. Google groups) to form groups and give updates.	Partially-automated
Other teachers give updates in class.	Manual
Students have to join several groups each term.	Manual
They have to check the groups regularly for updates.	Manual
Teaches have to discuss about CT schedule in classroom and knows his/her collogues CT schedule from discussion.	Manual

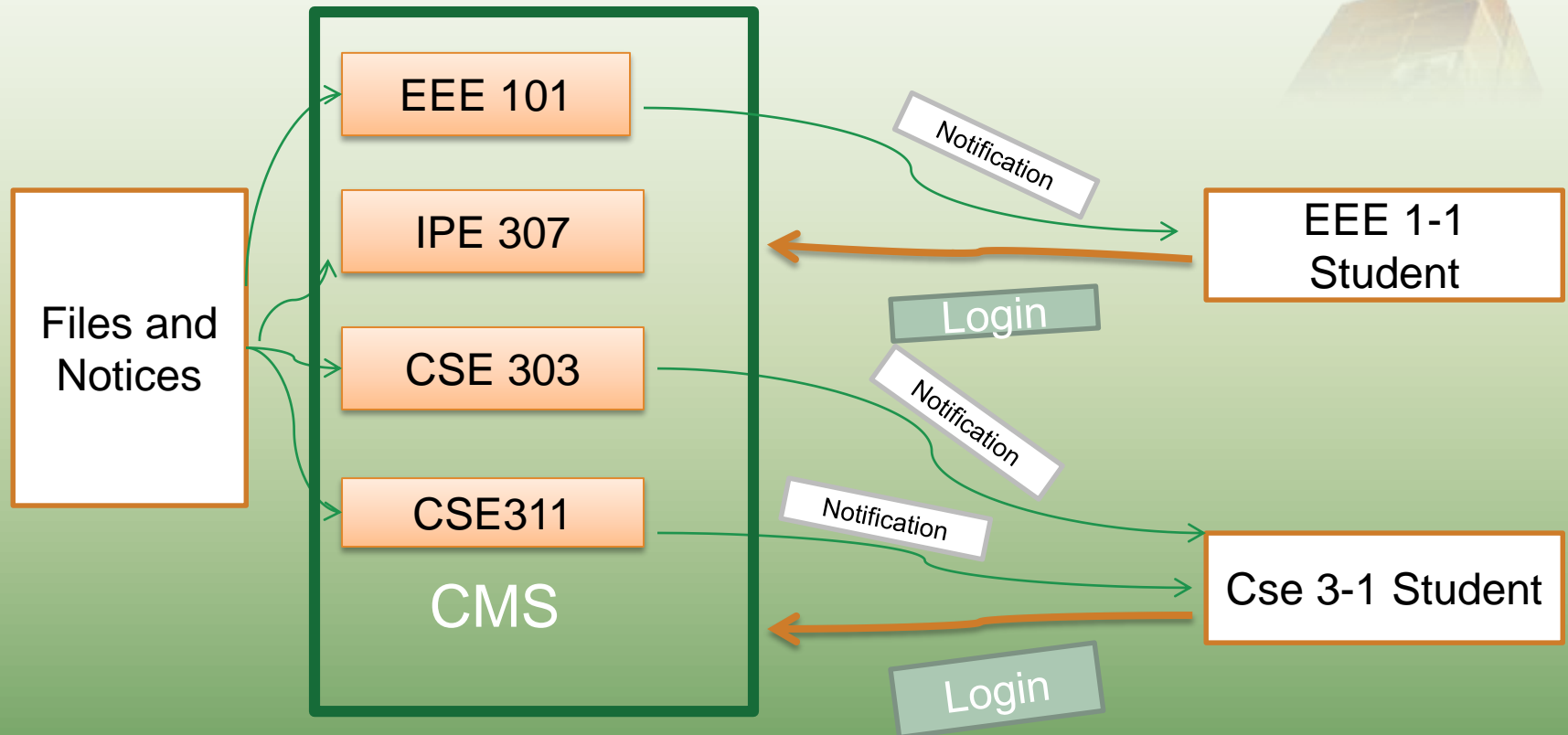# Existing System analysis: Problem vs. Automation Status

Problems of the current system	Automation status
Does not have archive system - archives are only managed on a personal level.	Manual
Class materials are manually ordered.	Manual
Discussion being difficult in lack of proper platform.	Partially-automated
Inefficient process of keeping track of class tests', online, off-line, assignment schedule.	Manual
Course material uploaded in an irregular basis.	Partially-automated
Taking attendance	manual

Opportunity

❖ An omnipresent, universally synchronized information system accessible to all students and teachers of a university can solve almost all the baseline problems.

Proposed System

Files and Notices

EEE 101

IPE 307

CSE 303

CSE311

CMS

Notification

EEE 1-1 Student

Login

Notification

Notification

Cse 3-1 Student

Login

Scopes of Development

❖ Account management system:

- Log-in, log-out for both teacher and students.
- Redirect students to an appropriate semester page.
- Redirect teachers to course pages instructed by him/her.

Scopes of Development

❖ Personal database system:

- ▪ Course material upload by teachers and class representatives.

- ▪ Archive all course material after course ends. Previous archives will be available to current students. (e.g. CSE-307 archive of 10 batch, 09 batch and so on will be available to 11 batch when they take the course.)

Scopes of Development

❖ Course management system:

  ▪ Course syllabus

  ▪ Course outline.

❖ Communication system:

  ▪ Discussion forum.

  ▪ Mailing system.

❖ Warning system:

  ▪ Warn the students with lower attendance by teacher

  ▪ Warn any member voiding group rules and regulation by admin.

Scopes of Development

❖ Notification system:

- Show new updates.
- Notice board.

❖ Exam management system:

- Class test and quiz syllabus, assignment and offline topic.
- Class test, online, offline, assignment, quiz marks.

❖ Online Exam system:

- Taking and evalution online exams.

Scopes of Development

❖ Online course system:

- ■ Offering online courses.

❖ Interactive routine system:

- ■ Dynamic routine indicating scheduled class tests', assignments' or off-lines' deadline.
- ■ Assign class test in a particular time by any course teacher.

❖ Sub grouping system:

- ■ Sessional subgroups.
- ■ Project subgroups.

Our working arena

❖ We are going to working on:

- Account management system

- Personal database system

- Notification system

- Course management system

- Exam management system

- Interactive routine system

- Warning system

Outside our working arena

❖ We are not going to working on:

- Online exam.

- Online course

- Discussion forum(communication system)

- Sessional subgroup system

Assessment of project's worthiness: Is the System worth implementing

Requirement	Cost
Tools & resources	Medium
Man power	Low
Legal approval	Not needed
Maintenance	Medium

Benefit	Benefit
Popularity	High
Revenue	Low
Efficiency	High
Time Value	High

Assessment of project's worthiness: Decision

- The system saves vast time and make students' and teachers' academic life easy

- It also costs not so much.

- It worth implementation.

Baseline Schedule

Phase	Estimated Time
System Analysis Phase	4 weeks
Logical Design	4 weeks
Decision Analysis	2 weeks
Implementation	12 weeks
Testing	2 weeks

Roadblocks & Solutions

❖ System initiation :

- Problem: Collecting and co-ordinating all info's about courses and departments.

- Solution: Admin does it once after launching the system.

❖ Retaking any course:

- Problem: Enrolling in the system for retaking course.

- Solution: Manually keeping track of these.

Roadblocks & Solutions

❖ Maintenance:

  ▪ Problem: Need of periodic maintanace.

  ▪ Solution: Periodic monitoring.

❖ Configuring system when new batch enters.

  ▪ Solution: Admin approves all new account opening by himself.

❖ Some teachers are reluctant to use modern technology.

  ▪ Solution: Class representative can do some works of him/her.

Roadblocks & Solutions

❖ Internet connectivity:

- ▪ Problem: Lack of internet connection to all.
- ▪ Solution: Can be soled in personal level.

Thank You