**Question 1:**

a.

Choosing Agile because it is less price for the changes implemented due to the many iterations. It requires only initial planning to start the project. The system must be delivered earlier for the uses to learn to use quickly, use system without undue effort, there for they should deliver part of project earlier to get feedback from user, then apply necessary change for anther parts. Besides, requirements and solution are developed on cohesion of functions, and functions are built quickly, clear and easy to manage.

b.

Yes, because members have some experience in mobile development but none in web development, and nobody has performance testing experience. In addition, they are not familiar with engineering practices. Furthermore, requirements are planning to hand-off in 2 weeks, so it can have some problems of stabilities, abilities to maintain.

**Question 2:**

2 non-functional requirements of the system:

1.The system should be able to interface with Microsoft Excel-read from Excel and write to Excel.

2.Standard file formats such as CSV or XML should also be supported for both import and export.

6 functional requirements of the system:

1.Admin manage Fees, Teaching assistantship, Scholarships, Fines and other charges

2.Student should be able to view their account and report in case of any discrepancy.

3.Admin should be keep the account of employee’s salaries every month and when it was paid.

4.Employees should be able provided with the functionality of placing request for leave and to check the status.

5.Leave can be of different types-Earned Leave, Duty Leave, Casual Leave, Medical Leave or Loss of Pay.

6.Casual Leave and Duty Leave can be approved by the Head of the Department.

**Question 3:**

4 user stories for employee actor**:**

**•** As an employee actor, I want to view or print my own information so that when needed I can report if there is a discrepancy.

• As an employee actor, I want to check whether the meeting places is available or not so that I can book a meeting place and upload meeting minutes.

**•** As an employee actor, I want to record information about schedule, task from admin so that when needed I can re-watch and easily know what tasks I need to do.

**•** As an employee actor, I want to personally view my electronic report at the end of the month so that I can improve better in my jobs.

**Question 5:**

Two quality attributes that are likely be important when decide a website architecture for the website are:

+ Security: Only Students can view their schedule and their score. And they only go to Website by their personal fpt email.

+Performance: Interaction between user and system are not exceed 2 second. It can help user update information easily to view exam schedule, weekly timetable, submit certificates etc…

+Usability: Web application users have grown to expect easy web transactions as simple as buying a product at a store. Although much wisdom exists on how to develop usable software and websites. Many websites still do not meet most customers exhibit little site loyalty, mean unusable website will not be used customers will switch to more usable websites as soon as they come online.

**Question 4: Story map for the Employee Accounts Management of the system**

Authentication & Authorization

Mangement

Login to system

Leave Management

Income Tax management

Using email to reset the password in case Forgot the password

Salaries

Choose Different types of Leaves.

Request for the leave and to check the status

View details personal information and report

View details and report

End section

View Salary and manager

Login by clinic Email

Log out system

Log out