IPP

Motivation

1. Introduction to the topic of research

•Establish the general subject area.

•Describe the broad foundations of your study – provide adequate background for readers.

•Indicate the general scope of your project.

•Provide an overview of the sections that will appear in your proposal (optional).

•Engage the readers.

Web-based UI design for scheduling meetings.

Foundation: web design, calendar software, meeting scheduling websites, UI design principles.

1.1 Problem statement

• Answer the question: “What is the gap that needs to be filled?” and/or “What is the problem that needs to be solved?”

•State the problem clearly early in a paragraph.

•Limit the variables you address in stating your problem.

•Consider bordering the problem as a question.

Problem: the UI design in most calendar softwires cannot meet the demand for meeting scheduling purpose.

What is the philosophy of UI design?

1.2 Research Hypothesis and Objectives

Objectives:

1⃣️. Choose the features in scheduling meeting website by user study.

2⃣️.Design the prototype.

3⃣️. User evaluation to improve.

4⃣️. Implement the website.

Research hypothesis:

*I hypothesis to designing self contained interconnected modules that contain the knowledge for preparing students for their placement at the Pulmonary Rehabilita- tion center and presenting that knowledge electronically by following some e-learning guidelines for effective multimedia learning.*

Search some hypothesis about meetings.

UI design, User study.

1.3 Timeless and Novelty

Significance of scheduling meetings automatically: There are numerous of meetings we need to have every day. It is difficult to select a perfect time and placement for most participants.

Novelty: adding features by user study???

Solution and tools

1.4 Significance

Originality of your intended research. Why it is important and providing details of any immediate applications, including further research that might be done to build on your findings.

Originality???

Some meeting scheduling or appointment website like Calendly (<https://calendly.com>).

1.5 Feasibility

1⃣️. Choose the features in scheduling meeting website by user study.

2⃣️.Design the prototype.

3⃣️. User evaluation to improve.

4⃣️. Implement the website.

1.6 Beneficiaries

Describe how the research will benefit other researchers in the field and in related disciplines. What will be done to ensure that they can benefit?

2. Background and Related Work

Demonstrate a knowledge and understanding of past and current work in the subject area, including relevant references like this [1].

Look the previous essay about this section.

Look into Outlook or Google calendar website. Compare the framework?

**Scheduling meetings. (look papers)** Calendar design

Platforms for meeting: calendar websites and software.

Frameworks for web design: Laravel for php and Django for python.

3.Programme and Methodology

Methodology look previous essay.

Novel or new methodology, new tools, new data, new insights.

Software development methodology: participatory design and prototyping methodology (throwing away prototyping and Evolutionary prototyping). look papers

Elicitation of features and requirements for websites. (studying material, interview, user study, needs analysis)

Evaluation of prototype (questionnaire, interview)

Evaluation of final website (Think-aloud, questionnaire, system usability scale).

Data analysis

3.1 Risk Assessment

3.2 Ethics

~~4. Evaluation~~

~~Data collection~~

~~Data analysis~~

5. Expected outcomes

Conclude your research proposal by addressing your predicted outcomes. What are you hoping to prove/disprove?  
•How will your research make an original contribution to knowledge?

•How might it fill gaps in existing work?

•How might it extend understanding of particular topics?

Decide features of the meeting website.

Build prototype.

Design the website after the evaluation of prototype.

Final evaluation.

6. Research Plan

Before June: finish user study and decide features of website.

June to July: finish prototype and evaluation. Begin to design website.

July to August: finish website and final evaluation. Begin dissertation.

August to deadline: finish dissertation

Work to be done:

1. decide the features briefly.

a. Users can import Outlook, google calendars and ics files to add events to their web calendar. Users can create multiple calendars for different purposes. (work, life, private schedule)

b. Automatic meeting scheduling service with user preference: Users can select their preference when scheduling meetings. For example: no meeting during lunch time, buffer time between meetings and events. System can decide the most suitable time for meetings with others.

c. Users can share calendars with others. They can decide which information to share (events, location, timetable).

d. Users can check contacts, emails of Outlook in this website.

e. Users can check the google map to see the route to object location.

f. Clock function. Sending emails to remind meetings.

2. look papers about Software development methodology, UI design, meetings and calendar.

3. user study methodology.

**The first study**

a. test the usability of Outlook, google calendar software and find their shortages.

b. decide which features are popular and to keep.

Methodology:

1. Give tasks to participants.

Quantitative metrics: Drop-off rate, lostness of task, task completion time.

Qualitative metrics: user satisfaction, think-aloud methodology.

2. Questionnaire

About which features you are willing to have in the meeting scheduling website.

**The middle study**: evaluation of prototype.

1. focus group and discussion

Group of stakeholders (who is the stakeholders in this project?) and a moderate to present the prototype. Opinion are gathered by Focus Group Information Sheet.

2.

**The final study**: evaluation of final website.

1. Think-Aloud method

2. SUS Evaluation