



**Proposal  
For  
Second Year Project  
Bachelor of Science in Information Technology**

Day to Day Expensive Tracker Diary

**Submitted by  
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**Gyalpozhing College of Information Technology**

## **Read carefully before filling the form.**

1. Please do not alter the layout of the application form. Information must be filled in the spaces provided, under set format.
2. Guidance notes in various fields should not be deleted.
3. Required information should be duly filled in the specified fields.
4. Required heads/fields which are not relevant to the project should be marked **N/A** (Not Applicable) or left blank and should not be deleted.

## **Guidelines and Forms**

### **Submission Procedure**

Duly filled proposal forms completed in all respects should be submitted in form of soft copy and a hard copy to project guide and project coordinator. On receipt of the applications the proposals will be evaluated by reviewer panel and proposal would then be defended by student groups. The project group may need to revise the proposal in light of the evaluator's recommendations.

### **For further information, please contact:**

Project Coordinator

Sonam Wangmo

[sonamwangmo.gcit@rub.edu.bt](mailto:sonamwangmo.gcit@rub.edu.bt)

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## Application for Final Year Project

### 1. Project Identification

<b>A. Reference Number:</b>	
(for office use only)	
<b>B. Project Title: Day to Day Expenses Diary</b>	
<b>C. Project Internal Guide:</b>	
Name:	Sonam Wangmo
Designation:	IT program leader
Organization:	Gyalpozhing College of Information and Technology
Mobile # :	Tel. # :
Email:	<a href="mailto:sonamwangmo.gcit@rub.edu.bt">sonamwangmo.gcit@rub.edu.bt</a>
<b>C1. Project External Guide:</b>	
Name:	NA
Designation:	
Organization:	
Mobile # :	Tel. # :
Email:	
<b>C2. Student Group Lead:</b>	
Name:	
Roll No:	
Department:	
Mobile # :	Tel. # :
Email:	



**D. Organizations Involved in the Project:**

*(Please identify all affiliated organizations collaborating in the project, and describe their role/contribution to the project.)*

**D1. Industrial Organizations:**

#	Organization Name	Role / Contribution
	NA	

**D2. Academic Organizations:**

#	Organization Name	Role / Contribution

**D3. Funding Organizations:**

#	Organization Name	Role / Contribution
	NA	

**E. Key Words:**

*(Please provide a maximum of 5 key words that describe the project. The key words will be incorporated in our database.)*

Day to day expense tracker diary, Application, Add categories, Graphs and Add amount.

**F. Research and Development Theme:**

To create a digitalized Expense tracker book where user can freely use this application to keep track of your day-to-day expenditures and can view of your total amount and graphs too.

**G. Project Status:**

(Please mark ☒)

☐ New ☒ Modification to previous Project

☒ Extension of existing project

**H. Project Duration:**

Expected Starting Date:	04/03/2021
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Planned Duration in months:	Four months
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**2. Scope, Introduction and Background of the Project****A. Scope of the Project:**

Gyalopzhing College of Information Technology.

The motive of this project is to keep track of your expense in easy and convenient way.

The system consists of the following features:

Add: allow you to choose the categories, enter amount of that category with date and time.

Graph: Can see your expense in the form of graphs

Total Expense: can view total expense



**B. Introduction (Project Background and Literature Review, Current State of the Art):**

*(Detailed summary of what all has been done internationally in the proposed area quoting references and bibliography. Please note that this section demonstrates the depth of knowledge of the project team and builds the confidence of the evaluators about capability of the team in achieving the stated objectives.)*

*(Please describe the current state of the art specific to this research topic.)*

**Background:**

The first expense tracking apps came out decades ago in the form of desktop programs such as Quicken and Microsoft Money, but the world of expense tracking has come a long way since the first version of Quicken came to the market in 1983. Now you have Web and phone-based expense tracker apps that can help you reach a whole new level of financial knowledge and preparedness. If you need to track a budget, one of these expense tracker apps is likely a great fit for you.

In this modern world of technology and with introduction of smart phones now everything is done with the tip of the fingers. Day to day Expense Tracker Dairy is an app-based system that makes it easy and efficient for users to manage their expenses and as well as can help you to store and keep track of that information. Daily tracking of expenses really helps us save a lot of money. Starting with daily spending tracking gives you a better idea of where you are spending your money, so you can stay in control and reach your goals. Expense trackers can be used on the go and different apps are good for different types of expense tracking. It will also generate your expenses in pie chart and can save it as the report.

**Literature Review:**

As per the reviewed literature, Daily Expense Tracker (DET) by Rashna Maharjan and his friend (2018) created digital app to keep track of the expenses. In their app user can enter their daily expense and view daily and monthly expenditure

YNAB(2013) is another mobile application that keep track of expense and also provide automatic tracking our expense through bank account. This application does not give any information about our expense.

Likewise, Day to Day Expense Tracker Diary aims to help everyone who are planning to know their expenses and save from it. It an android app which users can execute in their mobile phones and update their daily expenses so that they are well known to their expenses. Here user can define their own categories for expense type like food, clothing, rent and bills where they have to enter the money that has been spent. User can also define expense categories. User will be able to see pie chart of expense. In case of this app there no transaction like other app. This app is focused on new job holders, interns and teenagers, everyone who wants to track their expense can use this app.

**C. Challenges:**

- 1. Performance:** challenging to make responsive and smooth to work.
- 2. Software Fragmentation:**
- 3. Marketing:**

**D. Motivation and Need:**

The one who keep track of their expenditure often forget where all of their money is gone and where it used. They lend up having little money and limiting their essential needs. To do so a person has to maintain a diary or in a computer and also all the calculations need to be done manually which can be tedious and time consuming. All these observations and experiences to the idea to create this app.

### 3. Aim and Objectives of the Project

*(Please write the actual aim of your project. Also, describe the measurable objectives of the project and define the expected results. Use results-oriented wording with verbs such as 'to develop..', 'to implement..', 'to research..', 'to determine..', 'to identify..' The objectives should not be statements and should not include explanations and benefits. The objective should actually specify in simple words what the project team intends to achieve (something concrete and measurable/ deliverable). Fill only those objectives that are applicable to the proposed project.)*

AIM: To develop a mobile application where users can keep track of their day-to-day expense.

**OBJECTIVES:**

1. To keep track of daily expenses and budgeting.
2. Need not have to carry pen and paper to store information.
3. To maintain as your transparency.

## 4. Methodology

### A. Development / Research / Test Methodology:

*(Please describe the technical details and justification of your development and research plan and test plan and testing strategies. Identify specialized equipment, facilities and infrastructure which are required for the project and their utilization plan. The block diagrams, system flow charts, high level algorithm details etc. have to be provided in this section. Also, describe the overall methodology to be used for the particular research topic)*

#### **Problem Statement:**

Every earner and the one who keep track of their expenditure often suffers at the end of the month as they cannot remember where all of their money has gone when they have spent. Ultimately, they have to sustain in little money reducing their essential needs. To do so a person has to maintain a diary or in a computer and also all the calculations need to be done manually which can be tedious and time consuming.

#### **Requirement Gathering:**

After doing multiple researches from different source we will gather information regarding requirements to develop the platform and decide accordingly which methodology and tools best suits our approach.

#### **Requirement Analysis:**

In this stage, will be further analyzing the gathered requirements and will eliminate some unnecessary requirements and take in new requirements if any.

#### **Design:**

Taking requirements from the requirement analysis and designing of prototype as well as ER diagram for our project will start.

#### **Coding:**

After requirement gathering and designing is completed designing the prototype, implementation will be done using android studio with programming language like java.

#### **Testing:**

Each functionality will be tested right after it is developed. The process of testing each functionality separately is called unit testing. Unit testing will be carried out thoroughly for each module followed by integration testing, system testing and acceptance testing. If any functionality doesn't work as expected, it can always go back and verify from the previous phases.

#### **Documentation:**

To provide evidence of progress in the development process and to monitor the process as well as to record information that can help support the proper treatment plan and the reasoning for such services, documentation is must.



<b>B. Project Team:</b>	
<b><i>Title / Position</i></b>	<b><i>Number</i></b>
Project Internal Guide	
Project External Guide	
Student Team Members	
Others (please specify)	
Add more rows if required	

**C. Project Activities:**

*(Please list and describe the main project activities, including those associated with the transfer of the research results to customers/beneficiaries. The timing and duration of research activities are to be shown in the Gantt chart in Section 8.)*

Installation of software and tools: Installing android studio latest version and database server.

Resource gathering: Gathering resources like similar apps, book, video tutorials, and online research on app development.

Design phase: The system design shows the blueprint of any system that is to be developed. It gives the very detail about every components of the system that is to be built like designing user interface, functionalities, and flow of information.

Development of app: From this stage app will develop using android studio framework.

Testing: It will go under testing stage where each unit is check properly regarding functionality and it endure to produce desire function.

Documentation: After completing all phases documentation of the project report will present it through presentation.

**D. Key Milestones and Deliverables:**

*(Please list and describe the principal milestones and associated deliverables of the project. A key milestone is reached when a significant phase in the project is concluded, e.g. selection and simulation of algorithms, completion of architectural design and design documents, commissioning of equipment, completion of test, etc.) The timing of milestones is also to be shown in the Gantt chart in Section 8.*

No.	Elapsed time from start (in months) of the project	Milestone	Deliverables
1)	4/3/2021	Topic selection	Accepting project proposal
2)	5/3/2021-14/3/2021	Brainstorming, feasibility study and survey	Project proposal
3)	15/3/2021 – 22/3/2021	Requirement gathering, analysis and design	Software requirement gathering document and prototype development
4)	23/3/2021-1/4/2021	System Design	coding features implemented
5)	2/4/2021-19/4/2021	Testing Implementation	Test case
6)	24/4/2021	Final Documentation	Documentation ready

(Please add more rows if required.)



## 5. Benefits of the Project (Expected output/outcomes):

**Inclusion:** Through our app users can keep track of their daily expense in a digitalized way rather than in booklet involving paper work.

**Accessibility:** Provide easy access and efficient way to the record.

**Flexibility:** App will provide services at any point of time, and anywhere.

## 6. Risk Analysis/Feasibility

### A. Risks of the Project:

(Please describe the factors that may cause delays in, or prevent implementation of, the project as proposed above; estimate the degree of risk.)

(Please mark ☒ where applicable)

Low      Medium      High

Technical risk

Timing risk

Budget risk

### A1. Comments(Describe the risk):

**Timing risk:** Developing the application within the given time frame would be a difficult task for us as

- ✓ Our project time period is less.
- ✓ Being this our first attempt in developing an android application completing as per schedule will be difficult.

**Technical risk:** Risk associated with the software development. Some of the technical risks are as follows.

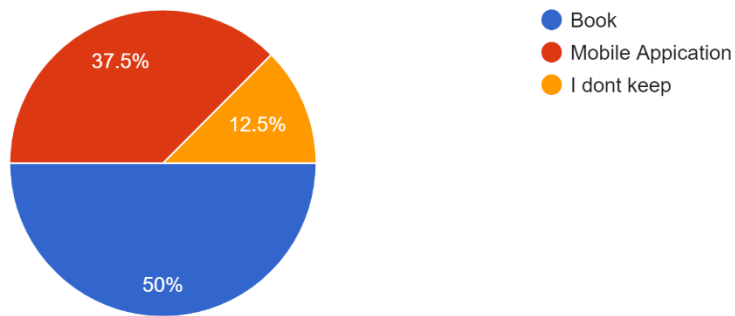
- ✓ Learning how to use software and other sophisticated hardware tools will be hard job as it is our first approach.
- ✓ It will be difficult for us to handle any crashes or malfunction in software as we are not use to it



Survey form:

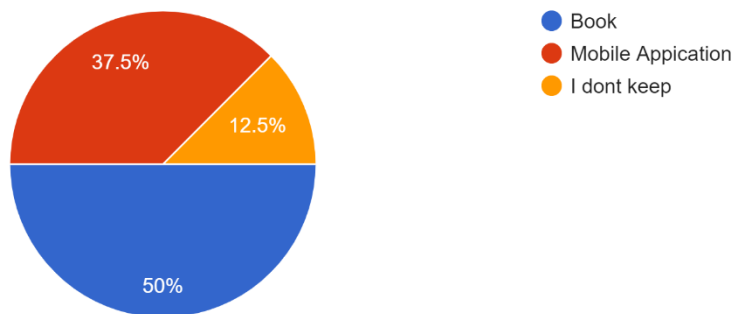
If yes, Where do you keep track of your daily expense?

8 responses



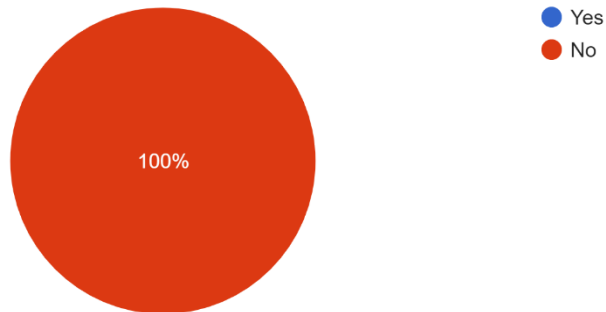
If yes, Where do you keep track of your daily expense?

8 responses



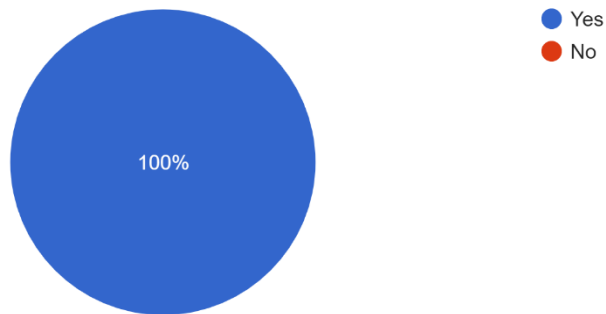
Do you think book is a convenient way to keep track of your expense?

8 responses

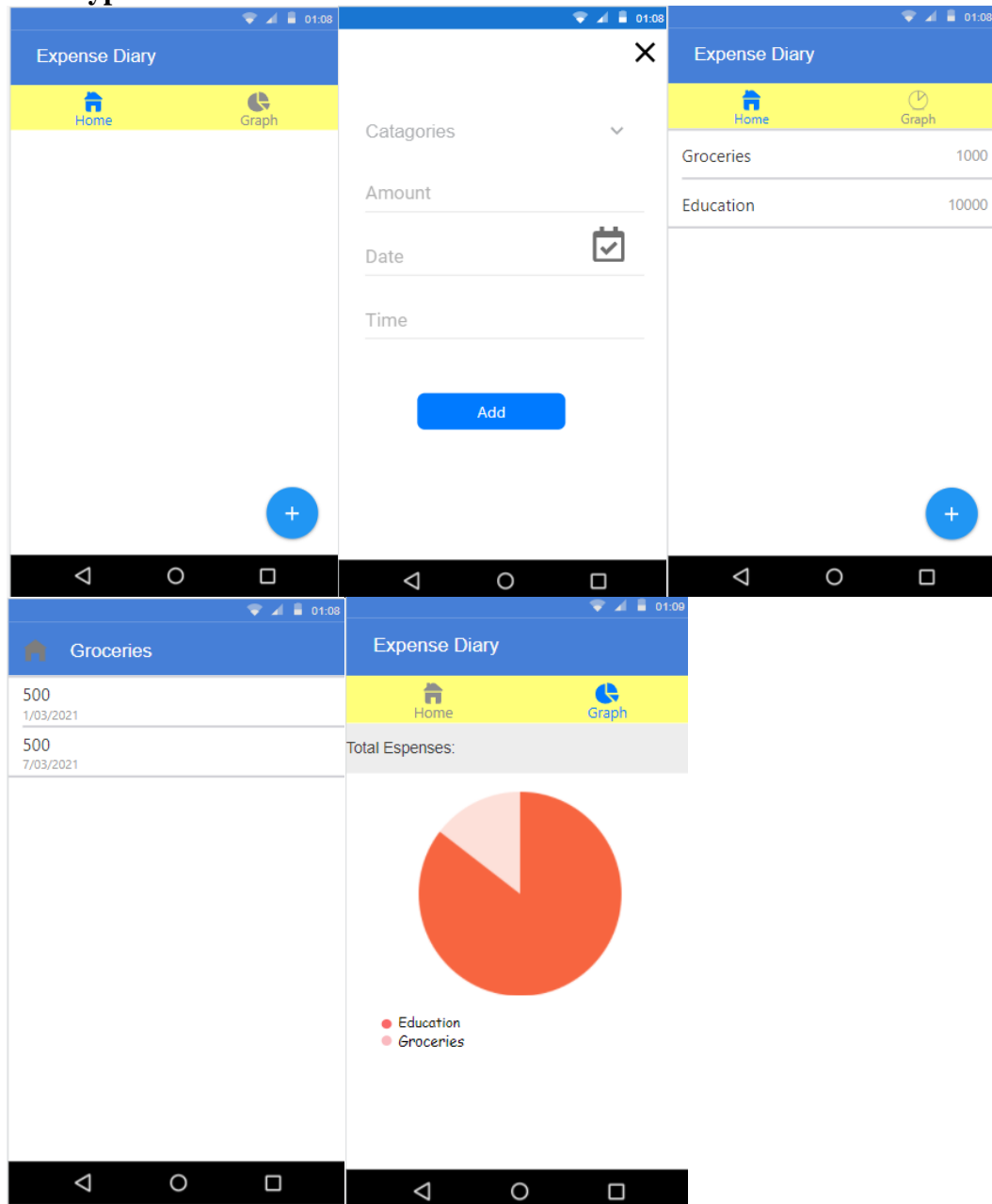


Will you prefer mobile application to keep track of your daily expense?

8 responses



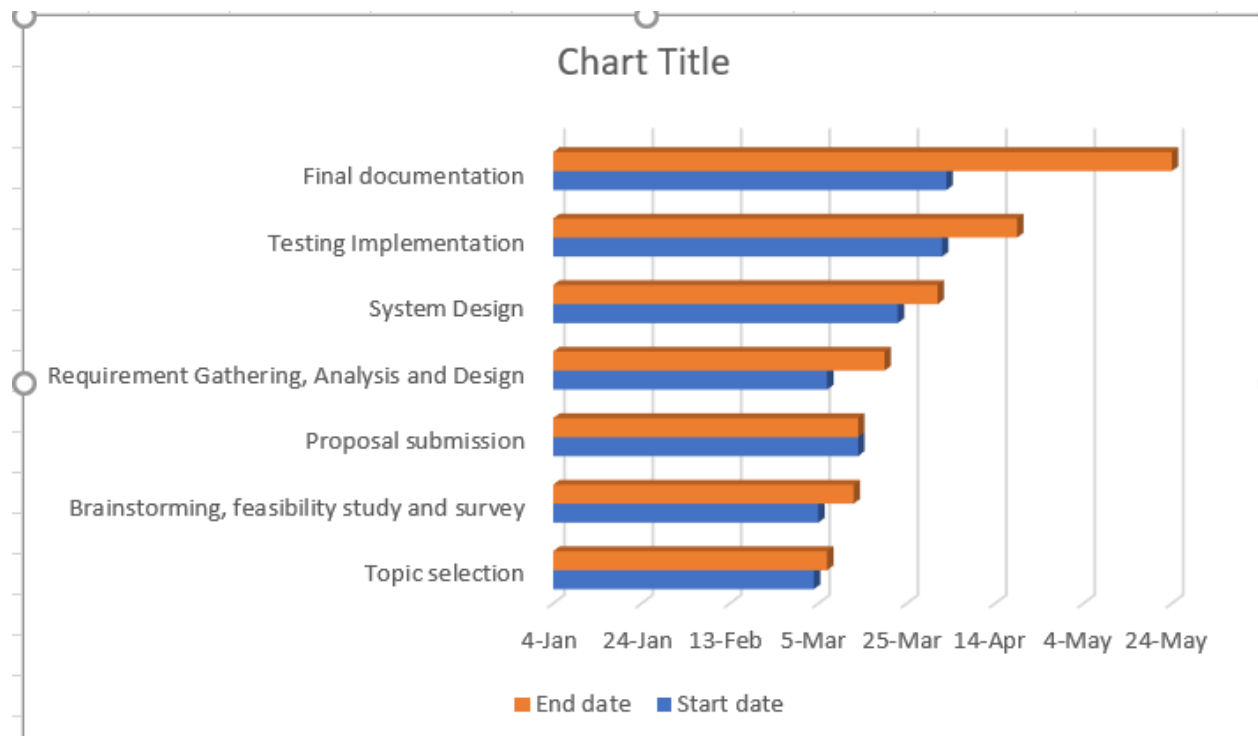
**Prototype:**



**8. Reviewers Panel Comments**

## 10. Project Schedule / Milestone Chart /Work plan

*(Project schedule using MS-Project (or similar tools) with all tasks, deliverables, milestones, clearly indicated are preferred. Task should be measured in terms of hours)*



### **13. Report Writing Guidelines**

*(Project report will be written under the specified guidelines.)*



## **Bibliography**

Daily Expense Tracker project report. (2021). Retrieved 14 March 2021, from <https://www.filemakr.com/btech-final-year-project-report-daily-expense-tracker>

Daily Expense Tracker BSc.CSIT Project Nepal. (2021). Retrieved 14 March 2021, from <https://www.slideshare.net/RashnaMaharjan2/daily-expense-tracker-153160282>

Best Expense Tracker Apps. (2021). Retrieved 14 March 2021, from <https://www.thebalance.com/best-expense-tracker-apps-4158958>