

Bachelors of Science in Information Technology

Gyalpozhing College of Information Technology



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

Contact Book

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

Jigme Wangmo

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Tshering Lhamo

tsheringlhamo.gcit@rub.edu.bt

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Note: To update the table of contents, right click in the table and select '*update field*' and then select '*Update Entire Table*'.

Application for Second Year Project

1. Project Identification

A. Reference Number:	
(for office use only)	
B. Project Title: Contact Book	
C. Project Internal Guide:	
Name:	Ms.Sonam Wangmo
Designation:	Lecturer
Organization:	GCIT
Mobile # :	17391134 Tel. # :
Email:	Sonamwangmo.gcit@rub.edu.bt
C1. Project External Guide:	
Name:	NA
Designation:	
Organization:	
Mobile # :	Tel. # :
Email:	
C2. Student Group Lead:	
Name:	Kinley Gyeltshen
Roll No:	12190060
Department:	Bachelor Of Science in Information Technology
Mobile # :	17585396 Tel. # :
Email:	12190060.gcit@rub.edu.bt

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
	Gyalpozhing College Of Information Technology	

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.)

Contact book
Contact app
Contact storage

F. Research and Development Theme:

To develop an application that will store contacts of important figures in a community or organizations .

G. Project Status:(Please mark ☒)

- ☒ New ☐ Modification to previous Project
- ☐ Extension of existing project

H. Project Duration:

Expected Starting Date: 1 February

Planned Duration in 4 Months
months:**2. Scope, Introduction and Background of the Project****A. Scope of the Project:****User Scope:** Gyalpozhing college.

- The user scope of my project is limited to Gyalpozhing College Of Information Technology.

System Scope:User/students

- 1: View :- Students will be able to view the main page consisting of the category selection of their preference.
- 2: Category selection:- The users/students will be able to select their preferred department, to search for the number of the particular person.
- 3: search bar:- The user/students can also search the name of the person directly to view their phone number.

Admin

- He/she shall be responsible for editing/deleting/adding of new members/teacher and their phone number.

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.)

Literature Review:**Call App:**

This app allows you to sign in through a few different methods — a Facebook account, Google (Gmail) account, or through SMS verification — and also heavily incorporates Facebook results to build its user database. CallApp is complemented by a number of social features, including additional contact book details that many other apps don't include, such as an email address. That said, with the three hits of the five options we tested, the Verizon support number showed some inaccurate information pulled from some user's contact book and the Trump number listed a New Zealand address. The result for the London-based colleague were correct. Additionally, the Borodai search brought back a false hit for a man named "Alexsander Firsov," though it's possible that Borodai's old number is now being used by someone else.

True caller: "This is one of the only apps that does not require a mobile device to access their database of numbers. Go to truecaller.com in an incognito or private window, and from there, log into your research/non-personal Gmail or Microsoft Live account to search for numbers on your browser. In most countries, you can create a Gmail account in 30 seconds from the login screen, with the only required information being a username, password, first/last name, date of birth, and gender (no phone number or recovery email required)."

Showcaller: This app is very easy to use and does not have many requirements (e.g. no SMS verification, email, etc.), but also has a small database of phone numbers to work with. The only phone number of the five tested that had a return was for the Verizon Wireless support number, but it incorrectly identified its origin as Russia. A later search showed its location as Kentucky, reflecting how this app only allows one detail per number that will overlap from multiple users' input.

All of the above applications mentioned above are used in order to search for the details of the person by inputting their phone number however in my application, the user will have to write the name of the person in order to see their phone number and email address.

C. Challenges:

(Please describe the challenges, specific to this research topic, currently being faced internationally.)

-to make it user-friendly

D. Motivation and Need:

(Please describe the motivation and need for this work.)

The need to develop this application is because many students are not aware or do not have access to the numbers of all the tutors, non-teaching staff and supporting staff. Not that number of these figures are always needed but there are times when students need to get in contact with the ICT person, sometimes with the Program leader but then not having the means to contact them leads to unaccomplished task, hence my application will be a means to get this information.

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 make an application that will store the information(Phone number,email address) of the management in an organization or institution.

OBJECTIVES :

- To store information about the management of an organization.
- To make it easier for users to get information about the management in an organization.

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)

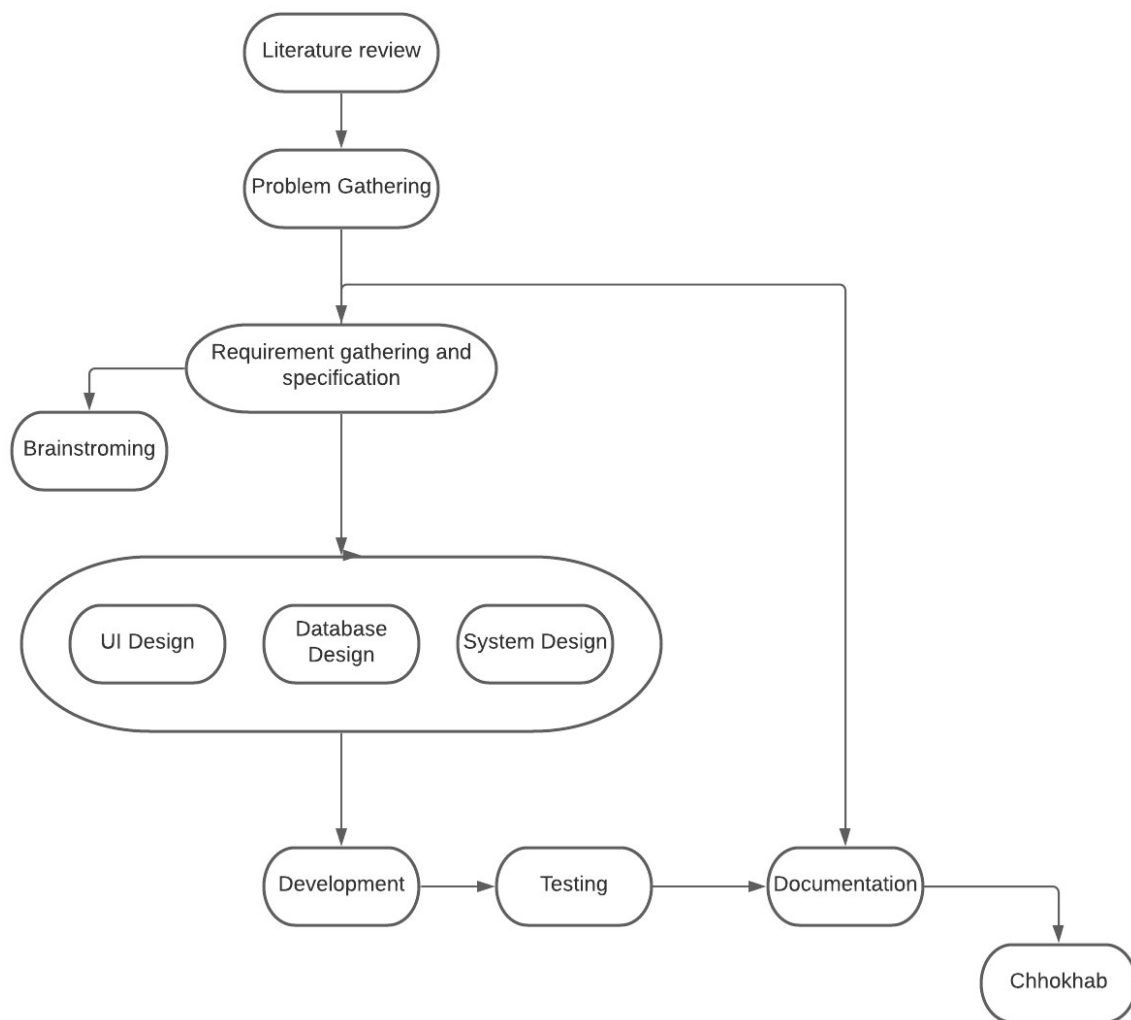
Methodology

General methodology:

Following are the process involved in the development of our system – “Contact Book”

Problem statement

- Not being able to contact the required management.
- Delay in work due to not being able to contact the management.



Big Bang Model

In this model, developers do not follow any specific process. Development begins with the necessary funds and efforts in the form of inputs. And the result may or may not be as per the customer's requirement, because in this model, even the customer requirements are not defined. This model is ideal for small projects like academic projects or practical projects. This model is perfect and suitable if the software development project is a small one where 2 to 3 developers work together to build a system or just as a dummy project. The model is also suitable if all the requirements are not appropriately understood, and the deadline for the release of the system is not declared.

This is quite a simple model. Implementing this model makes managing tasks easier and it requires zero planning but the idea of outcome is kept in mind. Developers have huge flexibility in developing the entire product. Resources necessary for developing

the product are few.

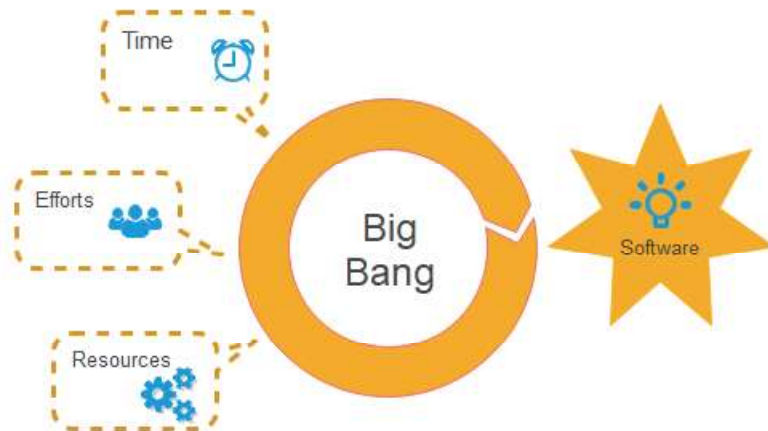


Fig. Big Bang Model

The theoretical and graphical representation of a system is converted into a form of a coding using programming language. After implementing the system, we will work on testing which will focus on investigating and discovering the problems in the developed system. Here, we will find out whether the system developed is good enough and will help in rectifying and reducing the errors or failures occurred while developing the system.

B. Project Team:

<i>Title / Position</i>	<i>Number</i>
Project Internal Guide	Ms.Sonam Wangmo
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.)

The project will begin with the installation of the required software's (Android Studio and Java Development Kit v8 or more) and gathering of references (Books, tutorial documents, videos, internet, and library) related to the Android application development and XML.

The project will consist of designing a database for the application and familiarizing the functionalities of the system which will include understanding how the control flows. The rest of the phases will include development and testing of the product under each iteration

“Contact Book” application will undergo tests where the developed app will be integrated to check its functionalities. If any bug is encountered, the development team will solve the issues and run more tests to ensure proper functionalities of the application. The final activity will be to prepare the project report, user manual and finally conclude with the final 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
	-	Commencement of the project	
1	10/02/2021-27/02/2021	Problem statement, title selection and literature review	-
2	1/03/2021-13/03/2021	Requirement gathering	Functional and non-functional requirements list
3	14/03/2021	-	Proposal submission
4	15/03/2021-30/03/2021	Requirement Analysis and design	SRS Document
5	31/03/2021	Software Installation	Setting up environment for application development
6	1/04/2021-8/05/2021	Coding	Source code generation
7	9/05/2021-15/05/2021	Testing	Test cases
8	16/05/2021-24/05/2021	Final Documentation and Final review	Complete application and project presentation

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

For user:

- Contact information will be available.
- Easier to contact.
- Saves time of the user not having to go search physically.

For developer

- Gain real time project skills.

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):**

✓Will face medium technical risk as in the development phase of the project due to having a desktop of only 4GB ram the process will be slow.

✓Will face medium timing risk as we will also be occupied by other modules' assignments and projects.

✓Will face low budget risk as there is no involvement of travelling in order to gather information and all software are available in the web.

(Approval of Project Proposal by the Competent Authority (Department Chairman) and Project Review Team is mandatory before the start of project execution.)

SI #	Name	Signature
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Project Coordinator

Date: _____ Signature: _____

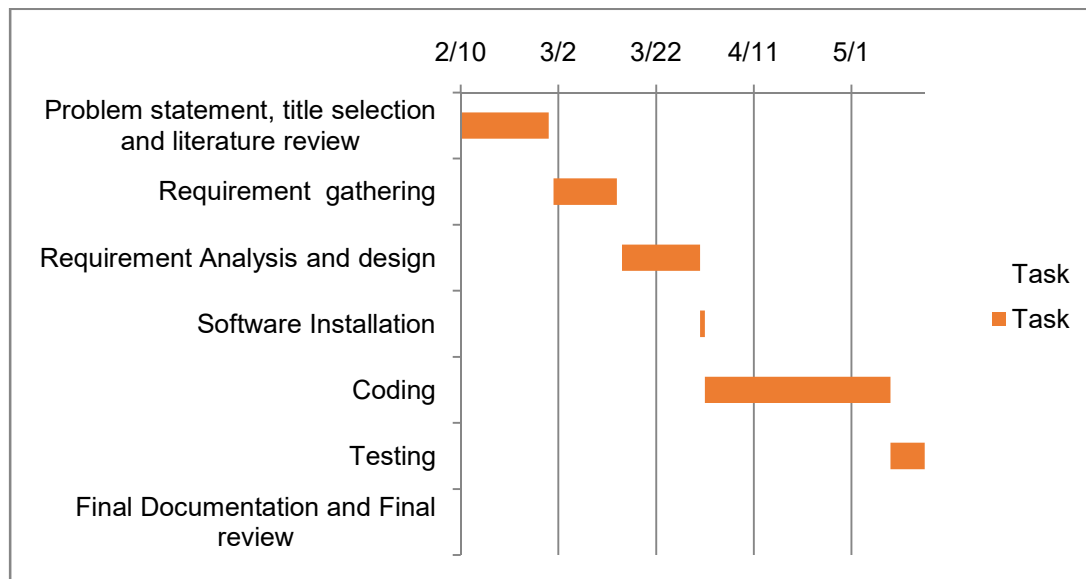
& stamp:

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)

Problem statement, title selection and literature review	2/10/2021	2/27/2021	18
Requirement gathering	3/1/2021	3/13/2021	13
Requirement Analysis and design	3/15/2021	3/30/2021	16
Software Installation	3/31/2021		1
Coding	4/1/2021	5/8/2021	38
Testing	5/9/2021	5/15/2021	7
Final Documentation and Final review	5/16/2021	5/24/2021	9



13. Report Writing Guidelines

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

Bibliography

Big-Bang model (software Engineering) - JAVATPOINT. (n.d.). Retrieved February 26, 2021, from <https://www.javatpoint.com/software-engineering-big-bang-model>

Using phone contact book apps for Digital Research. (2019, April 09). Retrieved March 11, 2021, from <https://www.bellingcat.com/resources/how-tos/2019/04/08/using-phone-contact-book-apps-for-digital-research/>

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