



**Proposal**  
**For**  
**Second Year Project**  
**Gyalpozhing college of Information Technology**  
**Royal University of Bhutan**  
**Bachelor of Science in Information Technology**  
**Movie Review**

**Submitted by**

**Tshering Duba**

**Bsc IT “ B”**

**12190094**

## **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.

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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:</b>  i-Vote GCIT			
<b>C. Project Internal Guide:</b>			
Name:	Ms. Sonam Wangmo		
Designation:	Lecturer		
Organization:	GCIT		
Mobile # :	17391134	Tel. # :	
Email:	sonamwangmo.gcit@rub.edu.bt		
<b>C1. Project External Guide:</b>			
Name:			
Designation:			
Organization:			
Mobile # :		Tel. # :	
Email:			
<b>C2. Student Group Lead:</b>			
Name:	Tshering Duba		
Roll No:	12190094		
Department:	Bachelor of Science in Information Technology		
Mobile # :	17549395	Tel. # :	
Email:	<a href="mailto:12190094.gcit@rub.edu.bt">12190094.gcit@rub.edu.bt</a>		
<b>D. Organizations Involved in the Project:</b>			

<b>D1. Industrial Organizations:</b>		
#	Organization Name	Role / Contribution
1.		
2.		
<b>D2. Academic Organizations:</b>		
#	Organization Name	Role / Contribution
1.	Gyalpozhing college of Information Technology	
2.		
<b>D3. Funding Organizations:</b>		
#	Organization Name	Role / Contribution
1.		
2.		
<b>E. Key Words:</b> App Easier to access movie ratings Time saving Promoting digital exposure		
<b>F. Research and Development Theme:</b> Movie-Review App provides a platform, where the users to can view the reviews and rating of a movie. The genuine motivation behind the development of this application is to establish a movie review including Bhutanese cinema where individuals that share love for movies can gather and provide review and ratings.		
<b>G. Project Status:</b> (Please mark <input checked="" type="checkbox"/> ) <input checked="" type="checkbox"/> New <input type="checkbox"/> Modification to previous Project <input type="checkbox"/> Extension of existing project		

**H. Project Duration:**

Expected Starting Date:	15 <sup>th</sup> February 2021
Planned Duration in months:	4-5 Months

**2. Scope, Introduction and Background of the Project****A. Scope of the Project:****User Scope:**

The scope of this project is within Bhutan.

**System Scope:**

After the user downloads the app, it will contain the following feature:

**View:** Every user can access our app freely.

**Update:** Admin will also update the app with latest movies and its ratings.

**Comment:** Users can provide review about a particular movie.

**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**

A movie review is an article reflecting its writers' opinion about a certain movie and criticizing it positively or negatively, which enables everyone to understand the overall idea of that movie and make the decision whether to watch it or not. A movie review can affect the whole crew who worked on that movie. A study illustrates that in some cases, the success or the failure of a movie depends on its reviews. Therefore, a vital challenge is to be able to classify movies reviews to capture, retrieve, quantify and analyze watchers more effectively. It is necessary to have an app that contains various genres of movies rated by critics and audience. It allows the user to access the rating of movies based on their taste, instead of goggling every movies for the reviews. Having realized the importance and need for such system, I have taken up the task to develop a movie review app for easier access to movie reviews and ratings.

**Literature Review**

According to the current literature, movie reviews can play two basic roles. First, film reviews can actively influence consumers in their selection process. This is the influence effect of movie reviews. Second, movie reviews can forecast whether a movie will become a success or not. This is the prediction effect of movie reviews. In the movie industry there seems to be a strong belief in the role of movie critics as the influencers of movie success; negative movie reviews are considered to be harmful to movie performance, whereas positive reviews are perceived to be instrumental in enhancing box office revenues.

**Letterboxd:** In this app there were many interesting movie reviews and ratings that were provided by users who already watched the movies. The choice of movie is very wide and diverse. The collections of movies in this app are so vast that it will last a long time. The collection is updated with new movies and recognized masterpieces of past years.

**CLZ Movies:** This app contains all the brightest and most interesting reviews. We can browse for a movie, and can also read the comments in comment section and see what other people has to say about the movies. As soon as a movie or show is released in this app, we can leave reviews about it. It is lot of fun and there are hundreds of reviews. We can search for new movies according to the genre and name of actors. It allows us to add movies to favorites and another interesting feature is that we can scan the barcodes from the DVD and CD boxes and the app will find the particular movies in the library automatically.

**IMDb:** This app keeps up to date with latest movies and can find the current status of the upcoming projects from the world of cinema. This app is an encyclopedia of films where everything we want to know about a particular movie can be found in this app. It contains great resource for movies from the past.

After using these apps I found how interesting and influential a movie reviews can be. These apps allow the people with love for movies gather and share their thoughts about the movies. So I thought of developing a movie review app, though it will have limited features and scope, it will help me to learn and grow as a programmer.

**Current state of art**

In the era every individual prefer easy work and like to get things done quickly. This app will help users to gain easier access to reviews and ratings of the movies instead of searching in google individually and help the people with love for movies to interact.

**C. Challenges:**

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

**Security:** One of the main challenges is regarding the security issues however some of the issues can be well managed but security issues such as cyber-attacks may arise during the project period.

**Network Issues:** As our project requires network, we will face difficulties if the network is not stable.

**System failure:** The system failure can occur during the time we are developing the application as to use android studio, maximum of 8gb laptop is required and we are short on that or even after the during the application is developed as sometimes there might be technical glitches because of which the framework cannot handle the processes on time.

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

**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.)*

**Aims:**

To develop a movie review application which includes Bhutanese cinema.

**Objectives:**

The main objective of the project is:

- Provide easier access to movie reviews and ratings.
- People with interest in cinema to gather.



#### 4. Methodology

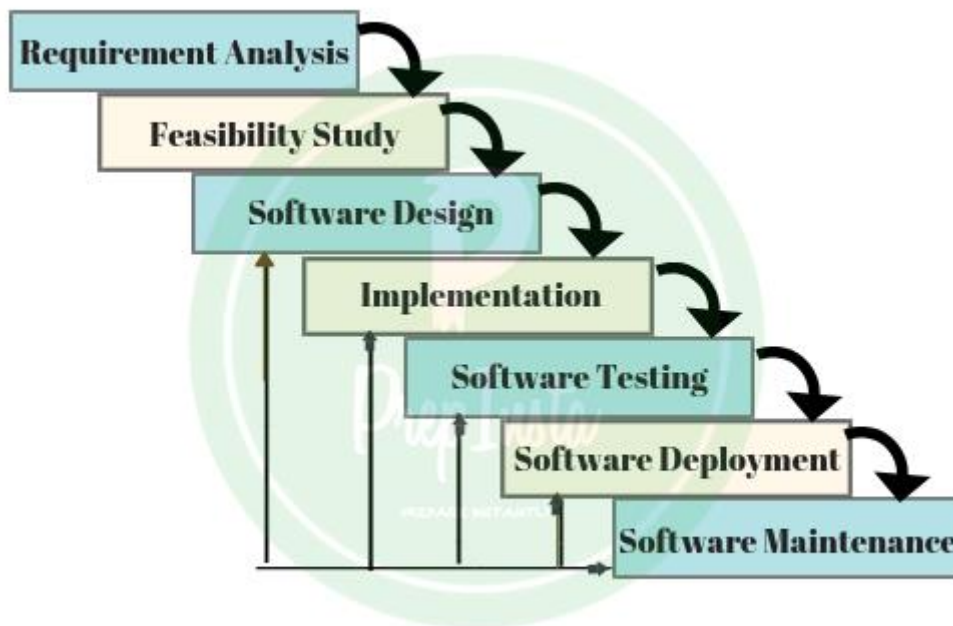
##### A. Development / Research / Test Methodology:

*(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:

##### Iterative Waterfall Model.

Iterative waterfall model is extension of waterfall model. This model is almost as same as waterfall model except some modifications are made to improve the performance of the software development. The iterative waterfall model is SDLC model that provides feedback path from every phase to its preceding phases and when errors are detected at later phase, these later paths allow correcting errors committed.



My motive to use iterative model is:

- The project can be completed earlier
- There is less risk
- Every phase contains feedback path to its previous phase.
- It is simple to make changes or modification at any phase.

**Phases of Iterative-Waterfall Model****Requirement gathering and analysis**

In this phase the all the necessary requirements are gathered and documented.

**Design**

With the help of document system design is prepared. The system is designed in such a manner that all the necessary requirements are met.

**Implementation**

In this phase requirements are written in coding languages and transformed into software.

**Testing**

After completing the coding phase, software testing starts using different test methods and see if its matches the given requirements.

**Deployment**

In this stage software is deployed to its work environment.

**Maintenance**

After deployment there may be some bugs, errors or new updates required so maintenance phase involves debugging and adding new features and function.

**B. Project Team:**

<b><i>Title / Position</i></b>	<b><i>Number</i></b>
Project Internal Guide	1
Project External Guide	
Student Team Members	1
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.)*

**Proposal writing:** I started with selection of project topic and after that proceeded with proposal writing.

**Problem statement:** A problem statement is a description of issues to be addressed or condition to be improved upon. it identifies the gap between the current (problem) state and desired (goal) state of a process.

**Installation of Software and tools:** Andriod Studio, xampp, Mockplus classic and etc...

**Resource gathering:** By referring books, articles, video tutorials and online references.

**Design Phase:** Includes designing user interface, database design and understanding the functionalities and identifying the requirements,

**Development of the product:** Coding with the help of software such as Android Studio.

**Testing the product:** The product will go through series of unit test to ensure that every unit works appropriately and after that it will undergo integration testing to test the system as a whole.

**Final Documentation:** After completing all the stages i will start the documentation of the project.

**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.*

The information given in this table will be the basis of project monitoring and marks assignment to the project group.

No.	Elapsed time from start (in months) of the project	Milestone	Deliverables
1.	10/02/2021-13/03/2021	Topic Selection, literature review , app review	Project proposal
2.	14/03/2021-25/03/2021	Requirement gathering and analysis	SRS documentation.
3.	26/03/2021-08/04/2021	Design	ER diagram, Relational diagram, architecture design, Database design and User interface design.
4.	09/04/2021-03/05/2021	Coding	Source code and functional features implementation
5.	04/05/2021-16/05/2021	Testing	Test case
6.	17/05/2021-24/05/2021	Final Documentation	All the documents are combined together and kept ready

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

- Time Saving
- Convenient
- Easier access to reviews and ratings.

## 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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Timing risk	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Budget risk	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### A1. Comments:

**Technical Risk:** I may encounter few technical risks as to I have to develop app through android studio which require 8 GB ram and good processor to perform well.

**Timing Risk:** Completing the project as scheduled may be a bit difficult.

**Budget Risk:** I won't face much budget risk as I don't have to purchase any software and app.

## 7. Project Approval Certificate

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

### Project Review Team:

Sl #	Name	Signature

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(Please add more rows if required.)

***Project Coordinator***

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Email: \_\_\_\_\_

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

\_\_\_\_\_

***Competent Authority – Head of Department***

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Email: \_\_\_\_\_

Date: \_\_\_\_\_ Signature \_\_\_\_\_

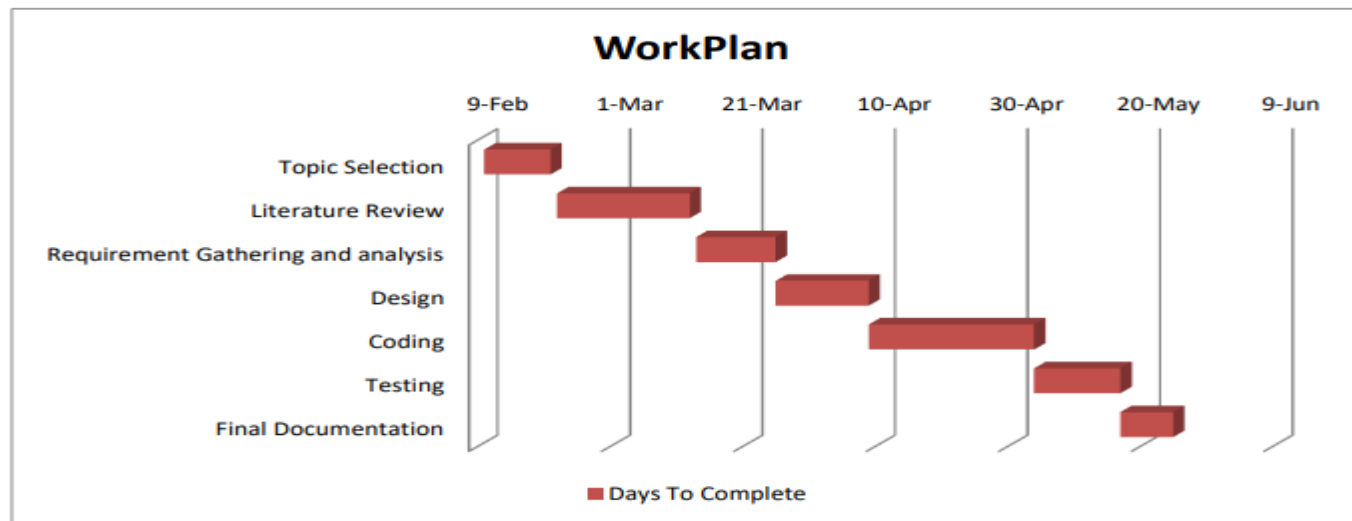
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**8. Reviewers Panel Comments**

## 10. Project Schedule / Milestone Chart /Workplan

*(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)*

Activities	Start Date	Days To Complete	End Start
Topic Selection	10-Feb	10	20-Feb
Literature Review	21-Feb	20	13-Mar
Requirement Gathering and analysis	14-Mar	12	25-Mar
Design	26-Mar	14	8-Apr
Coding	9-Apr	25	3-May
Testing	4-May	13	16-May
Final Documentation	17-May	8	24-May





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

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

**Bibliography**

- 11 best apps for movie reviews: Free apps for Android and iOS. Retrieved from  
<https://freeappsforme.com/apps-for-movie-reviews/>
- 3 important statistics that show how Reviews Influence Consumers. (2020, December 07). Retrieved from  
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<https://appgrooves.com/rank/entertainment/movie-reviews/best-apps-for-movie-reviews>