

Bachelors of Science in Information Technology

Gyalpozhing College of Information Technology



Proposal

For

Second Year Project

Bachelor of Science in Information Technology

Lokhor Chunye

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

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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 Final Year Project**1. Project Identification**

A. Reference Number:	
(for office use only)	
B. Project Title:	
C. Project Internal Guide:	
Name:	
Designation:	
Organization:	
Mobile # :	Tel. # :
Email:	
C1. Project External Guide:	
Name:	NA
Designation:	
Organization:	
Mobile # :	Tel. # :
Email:	
C2. Student Group Lead:	
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:**F. Research and Development Theme:****G. Project Status:**

(Please mark ☒)

☐ New ☒ Modification to previous Project

☒ Extension of existing project

H. Project Duration:

Expected Starting Date: _____

Planned Duration in months: _____

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

My project aims to provide easy platform to view their horoscope through mobile application for Bhutanese people to aware their horoscope based on Bhutanese Calender.

System Scope

It will be an Android based application which will include the following features:

Search: If user are not sure with Birth Mewa and Birth Buddha for your birth year then use search button and enter your Birth Year to get those information.

View: User can view their bad and good day by Birth Sign, view nine magic mewa square with their karmic relations from past life to future lives.

Help: If users are confuse using this application then they can seek help from help menu to use.

About: Brief description about this application and contact address will be mention in about section.

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

The horoscope is an astrological forecast for a day, week, month or year based on the position of the stars and planets at a specific point in time and it also defines an astrological chart with a calculation based on birth data, including the date, time and place of birth. A horoscope is not able to directly predict what is going to happen to us and when but instead it can tell us what kind of person we are and how we will react to things. Daily horoscopes are reading based on the astrology signs and the planetary movements that bring changes in different aspects of life focusing on the prime in the daily basis. Weekly Horoscope predictions based on zodiac sun Sign and know what lies ahead in upcoming week in different aspects like career, finance, health and love life. Monthly Horoscope get prediction for all zodiac signs and yearly Horoscope get most accurate astrological predictions and yearly horoscope for all 12 zodiac signs with the yearly predictions for the upcoming year and plan our life in the most productive manner.

The mobile application “Lokhor Chunye” is offline application where Bhutanese people will use to see their birth mewa and birth sign. The nine magic Mewa square numbers represent the nine categories of astrological spirits and each nine Mewa has an interpretation that includes karmic relations from past life to future lives. There are two types of Mewa Yearly Mewa and Birth Mewa. The yearly mewa called as **Bame** where it will changes every year. Whereas the birth Mewa is for birth year which is known as **Keme**, it will not change and stays throughout one’s life. Based on mewa it has own favorite elements and its own color. Mewa numbers are always connected to the same animals like the Mewa for Mouse is always 1,4 and 7. From this mobile application users can easily find their birth mewa and through that they can predict their future, fortune, health, personality trait, birth Buddha and which mantra you need to follow for purifying the next generation. In addition, using this apps make people know their own zodiac signs and horoscope.

Literature Review

According to the Buddhist teachings, we all have a unique blend of karma that determines where we are born, the circumstances of our birth and the quality of our life. Naturally, this is due to the actions that we performed in previous lives. Karma also dictates our characteristics and traits that determine how we act throughout our lives, which in turn leads to certain outcomes in this life and a determination of where we will take rebirth in the future. H.E. Tsem Rinpoche said that Birth Mewa is most important Mewa as all aspects of life are connected to this number and Birth Buddha help to overcome the negative astrological influences and bad karma. It also stated that each year brings different opportunities and challenges.

In *Daily Horoscope* apps provides the best astrology interpretation and based on Sun Sign Astrology and it provides the best support in different aspects of life. This apps offers exciting features like Yearly Horoscope, Monthly Horoscope, All Zodiac Signs characteristics and career, finance and love predictions, compatibility, Chinese Zodiac forecast and much more. Where as in *2021 Horoscope* apps is to comprehensive guide to plan long-term strategies for the different aspects of their lives in the upcoming year. It also tells what are the best periods for you to undertake important activities, and what are the bad periods, where you need to take a step back. It include features like weekly, monthly and Yearly Horoscope for particular Zodiac Sign.

C. Challenges:

- **Accurate Data:** Since there are different Horoscope like weekly, monthly and yearly horoscope so it make confuse to find the correct information.

D. Motivation and Need:

Most of people they are not knowing their Bhutanese zodiac sign, birth mewa or birth mole, favorite colour by birth and sometimes we are confused between element(kham) and birth mole(mewa). Therefore, to make aware those things I want to develop mobile application based on the Tibetan astrology which was tabulated by Michael Erlewine.

3. Aim and Objectives of the Project

AIM

- The aim of this mini project is to develop Bhutanese Zodiac Sign an effective and efficient.

OBJECTIVES

- To build a mobile application about Bhutanese Zodiac Sign to view by everyone.
- To make aware about Bhutanese 12 Zodiac characteristics and career, Birth Mewa, Birth Buddha and Birth Sign.

4. Methodology

Development / Research / Test Methodology:**General Methodology**

For the development of the mobile application, “Lokhor Chunye”, the **Prototype Model** will be followed which involves of the following keys actions :

Problem Statement**Features of Prototype Model:**

➤ **Initial Communication**

In this phase, we interact with the users/voters (staff and students of GCIT) and discuss the overall objectives of the application to be developed. The requirements gathering is carried out in this phase as well.

➤ **Quick Design**

In this phase, a quick design of the application is made according to the requirements gathered. Only the important aspects such as input and output formats are discussed. More focus is put into the aspects that will be visible to the users. This phase helps in the construction of a prototype.

➤ **Modeling Quick Design**

In this phase, the prototype is developed and this prototype will help us to have a clear idea about the development of software and better understand the exact requirements.

➤ **Construction of prototype**

In this phase, the developed prototype will be provided to the customers for the detailed evaluation.

➤ **Testing**

In this phase, the constructed prototype will be tested for its functionalities. Unit testing, integrated testing, system testing and acceptance testing will be carried out.

➤ **Deployment, delivery, feedback**

In this phase, if the users are not satisfied with the current prototype then it will be refined repeatedly until all the requirements of users are met. Then the final product is developed on the basis of the final prototype.

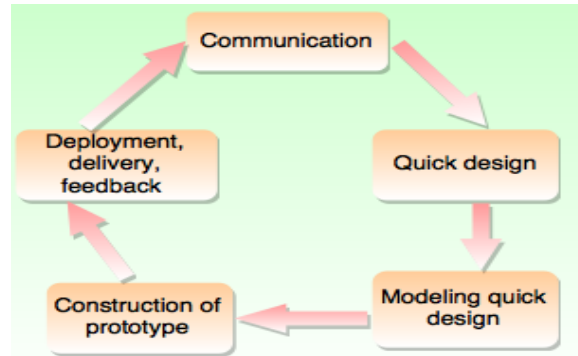
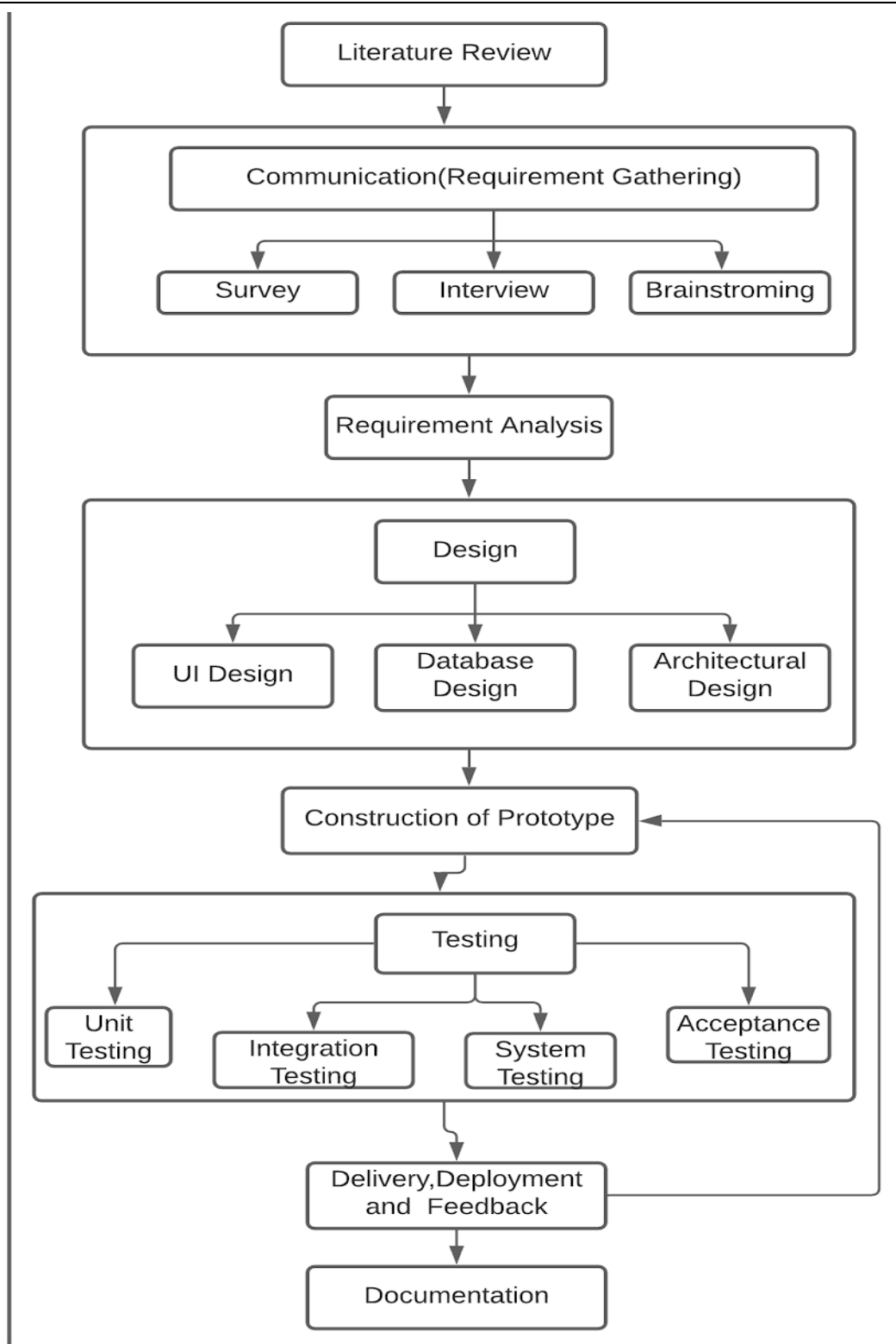


Figure 4.1: Prototype Model

Advantages of using Prototype Model:

- It is flexible in design
- It is easy to detect errors
- Easily find the missing functionality.
- It actively involves with users in the development phase.
- Fast feedback from the users which will help in solving the problems and bringing improvement in the software.



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

C. Project Activities:

Followings are the key activities that will be carried out in for the development of this mobile application :

- **Installation of software and tools:** Installing Android Studio version (2 and above) and Java Development Kit (v8 or more).
- **Literature Review:** Referring books, video tutorials, online reference related to android app development and research papers for the literature review.
- Interacting with the users through surveys and interviews for the requirements gathering.
- **Design:** It includes designing user interface and database design.
- **Testing:** The product will undergo unit test to ensure that each unit functions properly and will also carry out integration testing to ensure that it produce a desired function after combining all the units.
- **Documentation:** After all the phases done start prepare the documentation of the project, project report and at the last we will end with mini project 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	
	10/02/2021-20/02/2021	Topic Selection	Selection of topic
	21/02/2021-13/03/2021	Literature Review	Collecting literature review
	14/03/2021-25/03/2021	Requirement Gathering and Analysis	Survey & Interview report, SRS document.
	26/03/2021-8/04/2021	Design	Usecase and ER diagram, Class diagram and User Interface design.
	9/04/2021-3/05/2021	Coding	Source code and functional features implemented
	4/04/2021-16/05/2021	Testing	Test case
	17/05/2021-24/05/2021	Final Documentation	Complete android app
(Please add more rows if required.)			

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

Benefits of Horoscope(Mewa):

- Horoscope helps and advise individuals on how to handle health issues, how to take good care of themselves and what to avoid for the overall well-being.
- From horoscope come to know past and predicting the future.
- It helps in opening a new perspective on life and its meaning and even prevent people from making avoidable mistakes.
- Overall horoscopes are helpful in confirmation of the right time to make critical decisions.

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):

Technical risk:

For the development of this mobile voting application, the technical risk is high because of the high requirement ram and also the possibility of damage being caused to the equipment due to repeated refinements of the prototype for this application.

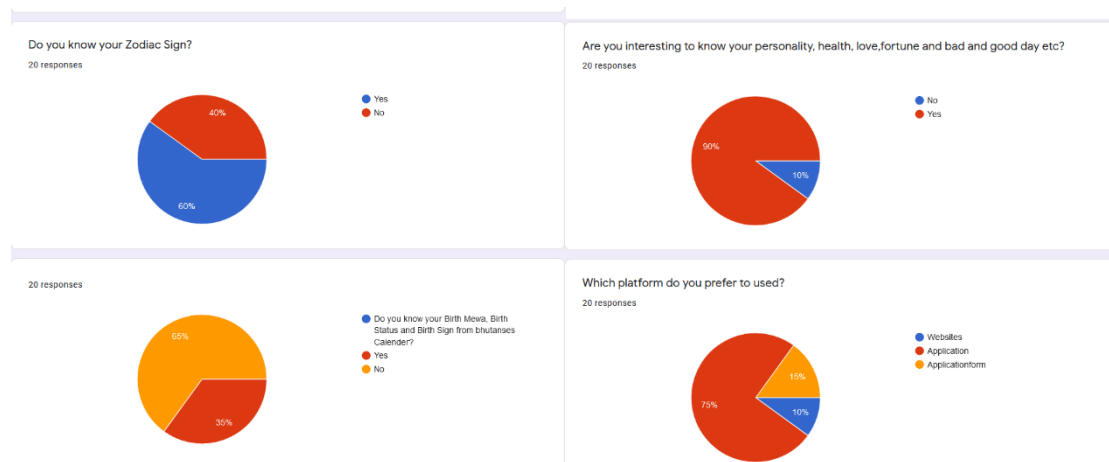
Timing risk:

Developing a fully functioning android application within six months by us inexperienced developers will be a tough task. Will be very difficult to build an application with all the requirements within this limited time. Therefore, the timing risk is high in this project.

Budget risk:

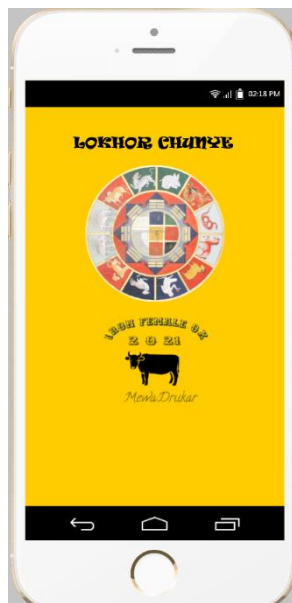
For our project free software available online will be made use of therefore, the budget risk is relatively low for developing this voting application.

Feasibility Study was done through survey with the help of the google form and the result from this survey are :



In conclusion, majority of the participates they know their Zodiac Sign but they are not sure with Bhutanese Birth Mewa and Birth Sign. They also interested to know their personality traits, love prediction, predict their past and future lives. Moreover, they prefer to use mobile application than other platform.

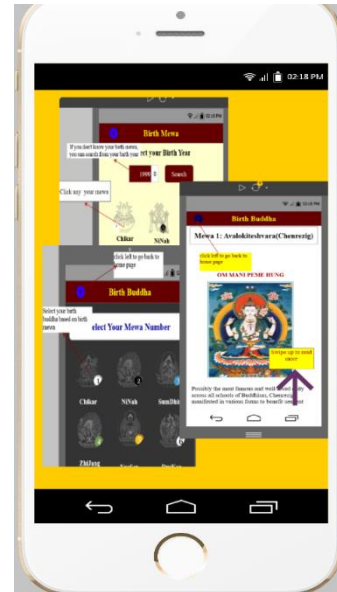
Prototype



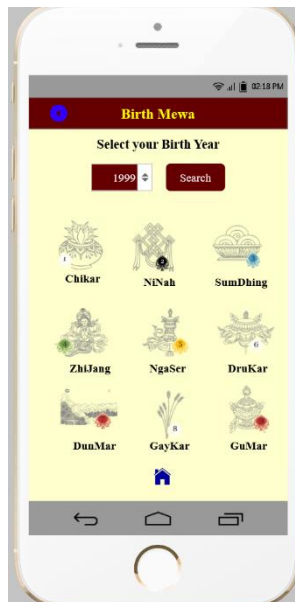
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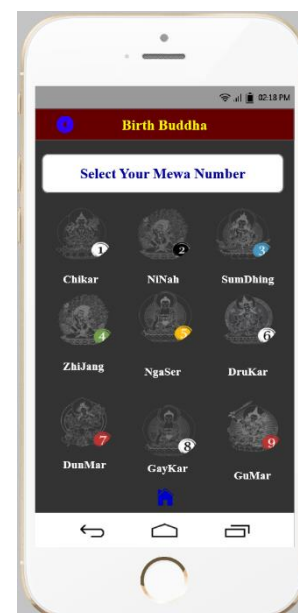
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4



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6



7



8

- If users are not familiar with this '*Lokhor Chunye*' apps then click on help icon that will guide to process it.
- When you click on **Birth Mewa** button, it will display nine Mewa logo with name. If users are not knowing their Birth Mewa they can search from search tab selecting their birth year. If they already know their Mewa then directly click on particular mewa and get horoscope.
- Similar to Birth Mewa, click to the particular logo to get **Birth Buddha** but if you are not sure with your Birth Buddha then you can select according to your mewa numbers.
- Clicking on **Birth Sign** button, users can view their bad and good days by zodiac sign.

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
------	------	-----------

(Please add more rows if required.)

Project Coordinator

Name:

Designation:

Email:

Date:

Signature:

Competent Authority – Head of Department

Name:

Designation:

Email:

Date:

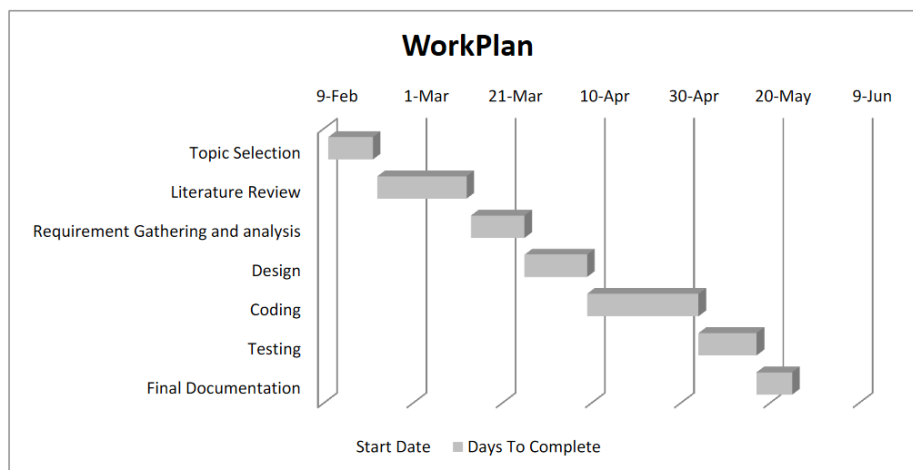
Signature

& stamp:

8. Reviewers Panel Comments

10. Project Schedule / Milestone Chart /Work plan

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

1. Campion, N. (2012). *Astrology and Cosmology in the World's Religions*. NYU Press.
2. Erlewine, M.(2007). *Tebitan Astrology*. 315 Marion Avenue.
3. Rinpoche, T. (2016 , December 21). *Tibetan Astrology*. tsemrinpoche. <https://www.tsemrinpoche.com/tsem-tulku-rinpoche/tibetan-astrology/tibetan-astrology.html>