



## Jyotirvijñanam

Course Code:  
Contact Hours: 30

Total Credits: 4  
Total Marks: 100

### Outcome of the Course

1. Students will have a general understanding of India's astronomical tradition
2. Students will be equipped to understand and integrate Indian Astronomical concepts with modern Astronomical theories and gain general awareness to work on IKS projects under NEP 2020.

### Objectives

1. To create awareness among the students about India's rich astronomical tradition and motivate them for acquiring deeper knowledge in the subject.
2. Prepare students to look for opportunities to work on projects and research projects in the field of astronomy in IKS projects under NEP 2020

### Course Outline

Module	Title
1	Astronomy in Ancient Indian Texts
2	Constellation and Zodiac studies
3	Celestial Observations in Ancient India
4	Theories in Indian Astronomy
5	Cross-Cultural Influences

### References

1. Aryabhatiya
2. Surya Siddhanta
3. Brahmasphutasiddhanta
4. Laghu Bhaskariya
5. Varahamihira's Pancasiddhantika
6. Astronomical Observations and Calculations in Indian Texts (edited by K. Ramasubramanian and M. D. Srinivas)