

Astro Instruments 101

Assignment 1

1. Prepare a write-up on **Antikythera Mechanism** in your own words, explaining everything you understood by getting to know about it.

Make sure you include these points: Invention ideology, Utility, Construction, Working Mechanism/Principle etc.

PS: You may refer this research paper: <http://dlib.nyu.edu/awdl/isaw/isaw-papers/4/>

2. Describe **one astronomical instrument** except the ones which we covered or are going to cover (eg. telescope). Again, it needs to be based on your understanding of the instrument than mere lines taken from the internet.

Dwell onto its working and explain the concepts/calculations associated.

3. Suggest a design for the construction of a **sundial** (vertical or horizontal, totally your choice) which we can use at **IITK**. Back your choices with calculations and reasoning. Also mention what materials you would choose to use so that you can easily construct it.

Submission Deadline: Sunday, June 12. 11:59 PM
Solutions must be handwritten, single PDF for all questions

Submit here: <https://forms.gle/N8ZLQdjUFa4YiNDq9>

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