

Ibn Al-Haytham's Camera Obscura at the University of Jordan



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1 Introduction: Ibn Al-Haytham

Ibn Al-Haytham is universally acknowledged to be one of the most creative scientists in Islamic civilization. Ibn Al-Haytham is credited with explaining the nature of light and vision, through using a dark chamber he called "**Albeit Almuzlim**", which has the Latin translation as the "**camera obscura**", the device that forms the basis of photography.



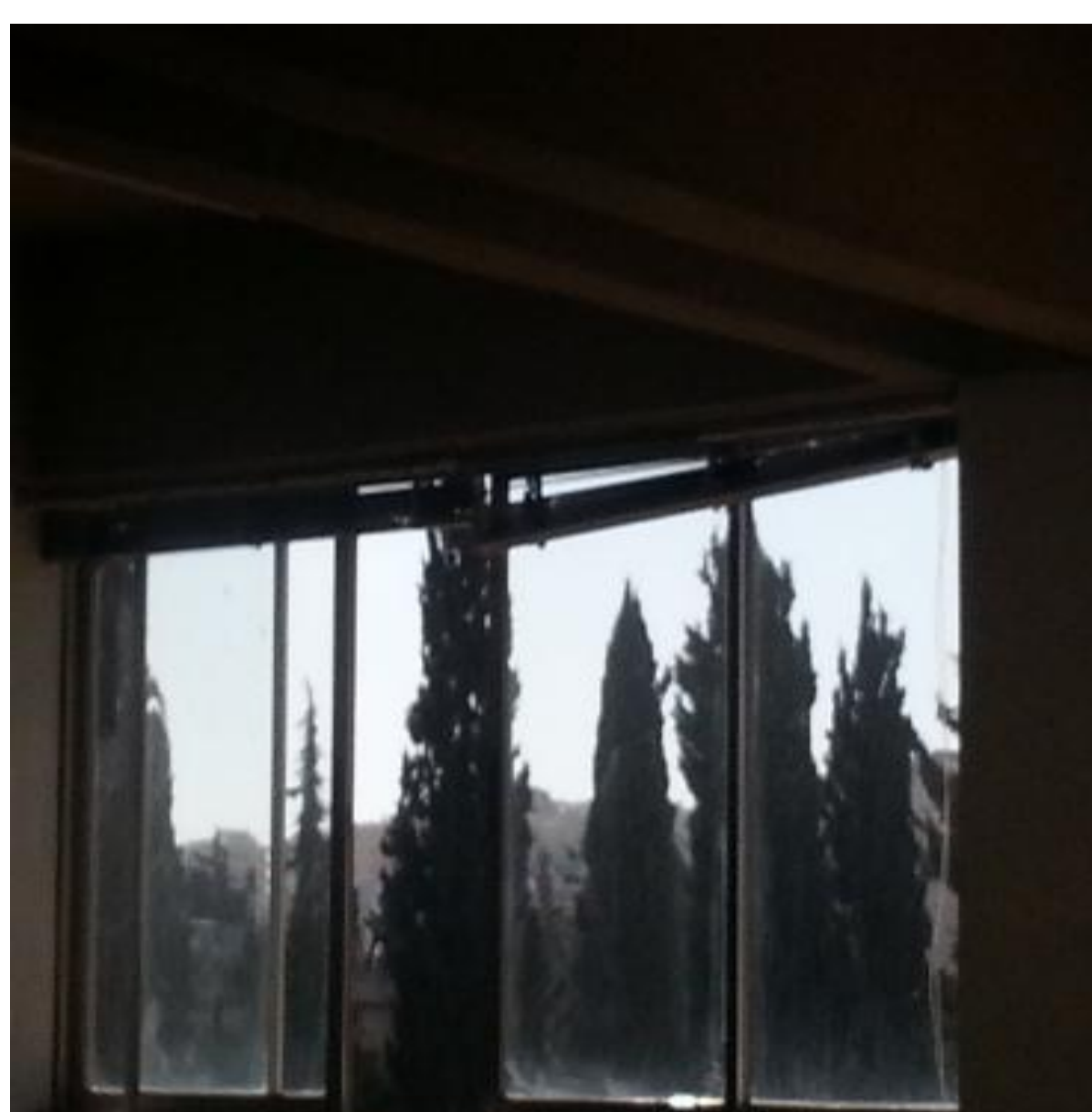
2 Why to Conduct this Project?

Several goals motivated us to build a monument for Ibn Al-Haytham's camera obscura on the rooftop of Physics building:

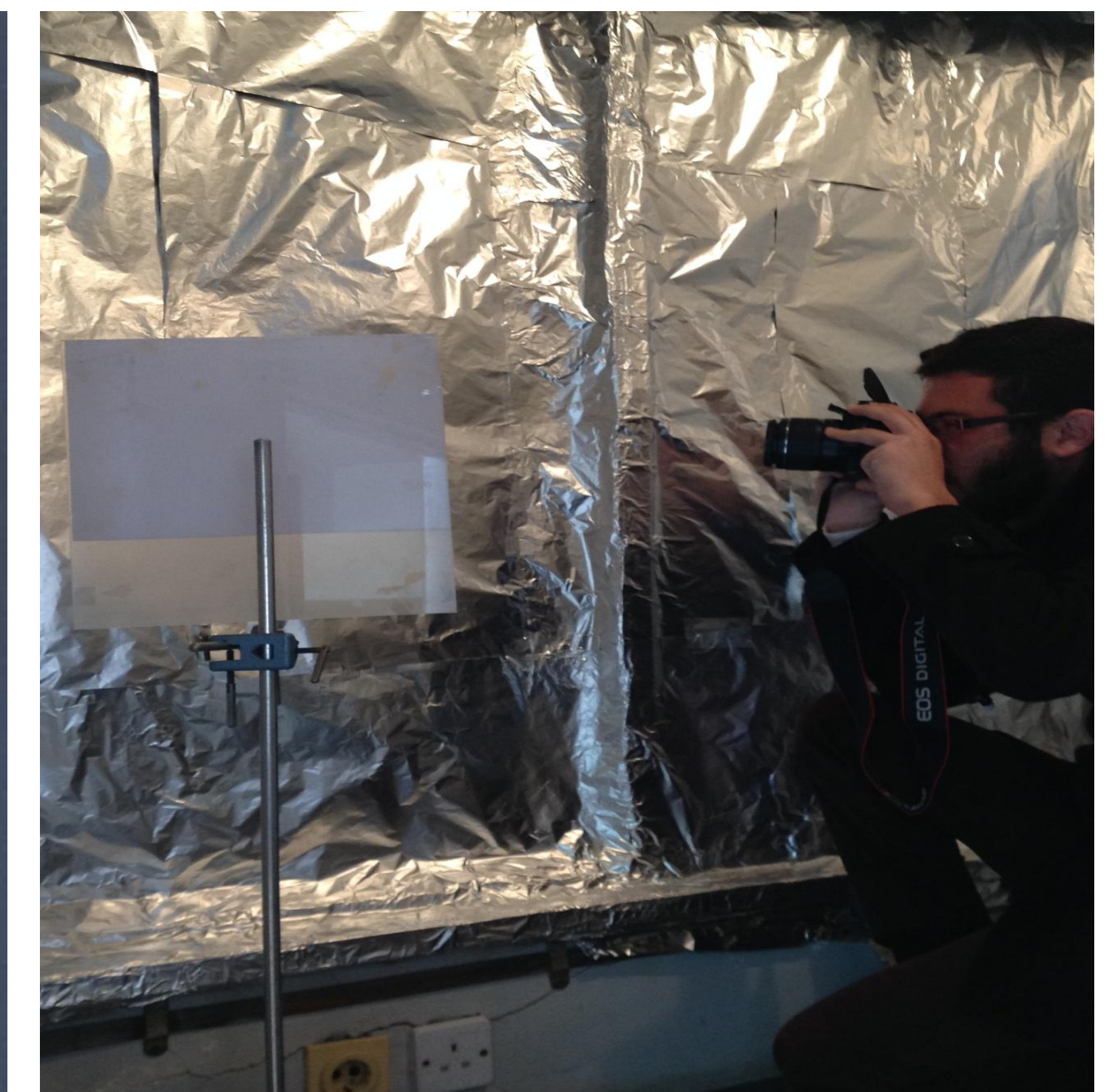
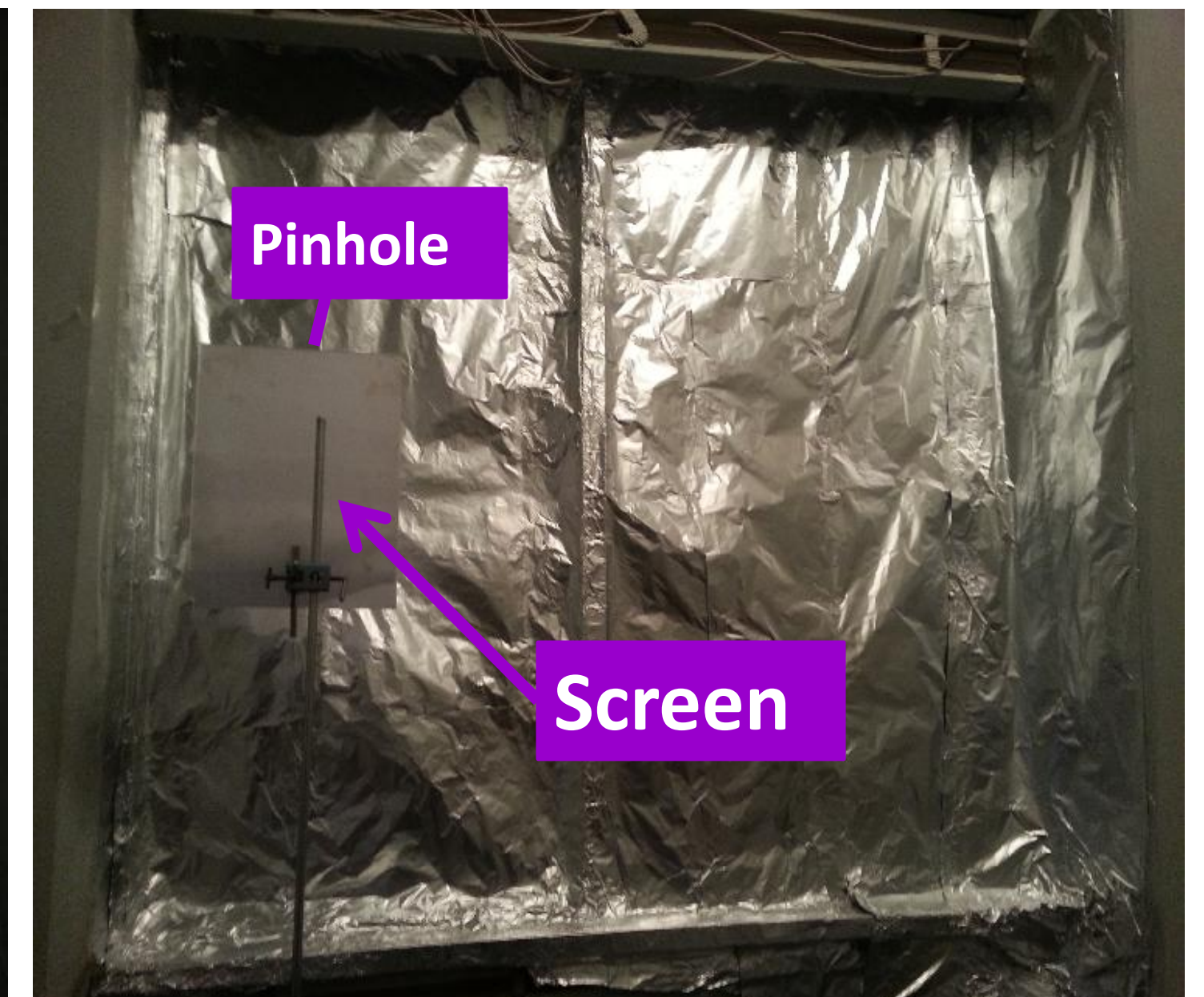
- 1- To shine light on the ancient Arab and Muslim minds in science.
- 2- To make it as one of the landmarks at the University of Jordan.
- 3- To provide an illustrative model of the nature of light and vision that helps the students of optics courses.
- 4- To be a place frequented by visitors and physics lovers from other institutions of the community, and from other countries.

3 Stages and Preliminary Results

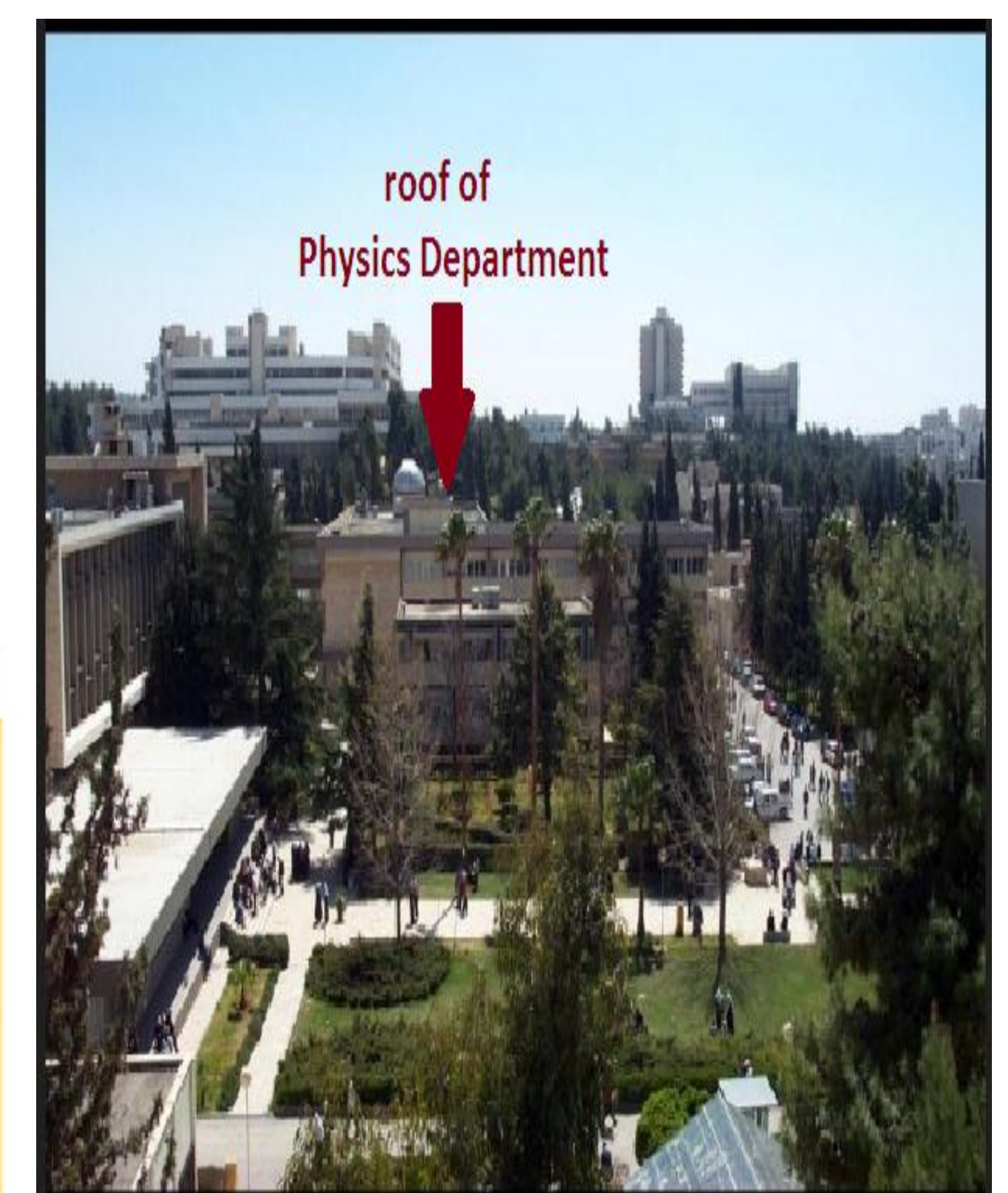
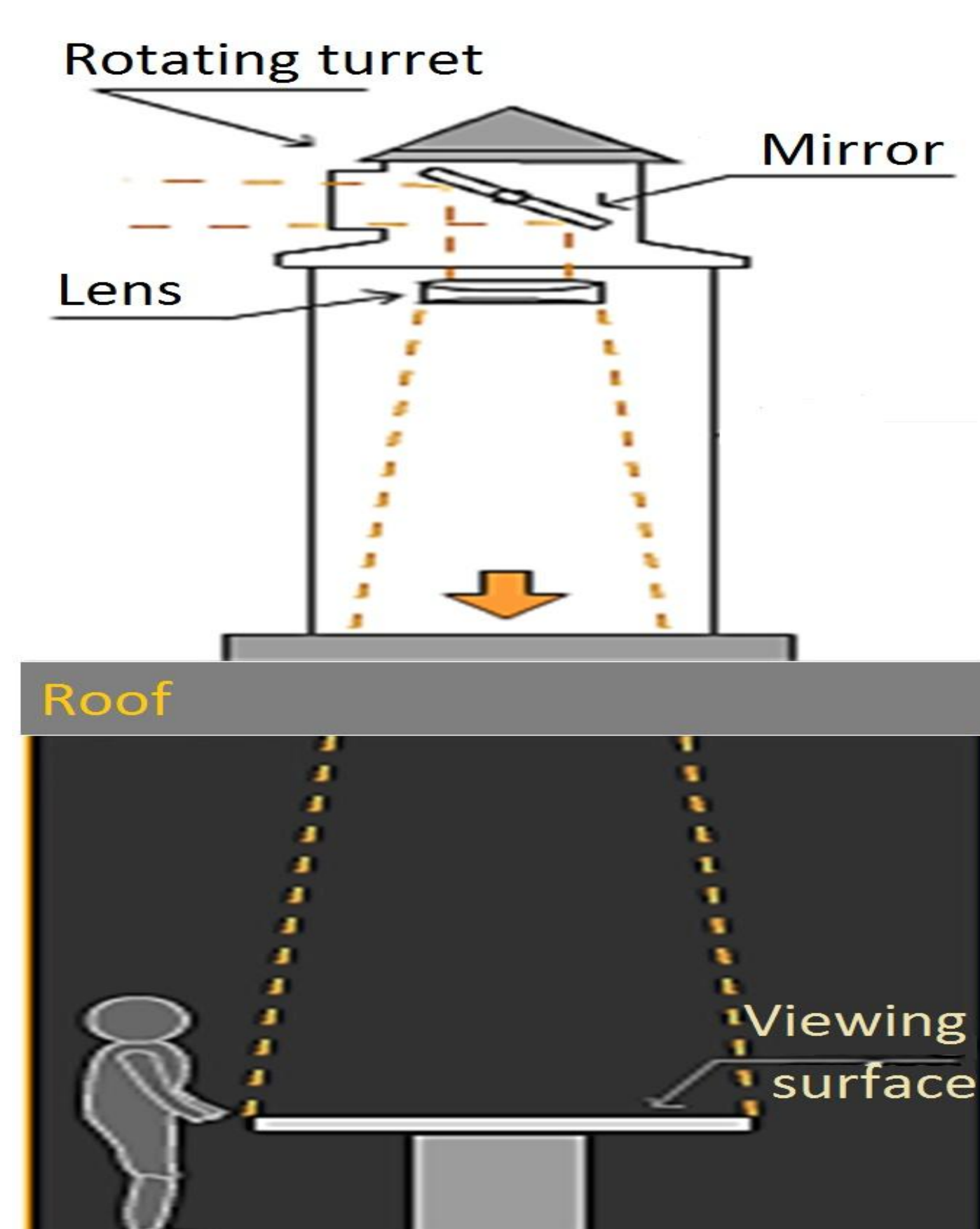
- 1- Portable camera obscura, designed by LAMBDA Physics Group in celebrating the 2015 International Year of Light at the University of Jordan.



- 2- Transforming a room in Ibn Al-Haytham laboratory (formerly called optics lab) into camera obscura.



- 3- The last stage (underway) is to build Ibn Al-Haytham's camera obscura on the rooftop of Physics building.



4 Acknowledgements

1. This project has been initiated and is being accomplished under the supervision of [Dr. Hanan Sa'adeh](#).
2. The efforts of LAMBDA members (Ebtihal Qaisia, Azza Saleem, and Shatha Al-Rayyani) at the preliminary stages are highly appreciated.

5 References

1. <http://www.ibnalhaytham.com/>
2. <http://www.cameraobscuras.com/>
3. <http://science.ju.edu.jo/en/lambda>

