



**REPORT on**  
**“IUCAA VISIT”**

**Submitted**

**by**

**Dr Vishwajeet Khot and Prof Pravin Gorde,**  
**Coordinators, Astronomy Club,**

**Dr D Y Patil Institute of Engineering Management and Research**  
**Akurdi Pune 044**



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# Foreword

Student Development at Dr. D. Y. Patil Institute of Engineering, Management & Research, Akurdi, Pune integrates both in-class and out-of-class experiences of students. These educational efforts are directed at developing both intellect and character of students. To accomplish this, the institute makes available a wide range of educational experiences through programs and activities that complement and support the academic experience in the classroom. Although the primary focus of these activities is to advance students' learning, they also provide needed services, support, and recreational opportunities to help students meet the challenges of college and to enhance the quality of their personal and professional life.

The key objective was to help the students' understand the importance of basic sciences in day to day life. Another important objective was to integrate engineering with space science. To motivate the students and to understand the basic concepts related to astronomy and astrophysics, Astronomy Club was inaugurated on March 12<sup>th</sup>, 2018. To explore further, a visit to Inter-University Center for Astronomy and Astrophysics, SPPU Campus, Pune was organized. We would like to thank to Campus Director Col. S. K. Joshi and Principal Dr. (Mrs.) A.V. Patil, for their support for this Visit.

Dr. Vishwajeet Khot  
Department of First Year Engineering

Prof. Pravin Gorde  
Department of Civil Engineering

## **Visit to IUCAA**

The Inter-University Centre for Astronomy and Astrophysics (IUCAA) is an autonomous institution set up by the University Grants Commission (UGC) of India to promote the nucleation and growth of active groups in astronomy and astrophysics at Indian universities. IUCAA aims to be a centre of excellence within the university sector for teaching, research and development in astronomy and astrophysics.

IUCAA takes its research to the masses through an Open Day on February 28 every year. This day is also popularly recognized as National Science Day (NSD). Anyone can visit the campus to attend and participate in popular science exhibitions, lectures, demonstrations, screening of scientific films, Q&A sessions etc. Work at IUCAA is showcased through a poster exhibition. A sky watching session wraps it up. For decades now, IUCAA has been organizing this programme regularly.

Visit of Astronomy club members is organized to IUCAA on 5<sup>th</sup> July 2018. Visit at IUCAA helped students get in touch with the latest Technology and have the expertise views and knowledge to smoothly integrate new technology solutions with their existing knowledge. Students were introduced with different aspects of Astronomy and Astrophysics. Students were shown different projects involving LIGO, MODEL of IUCAA, TARAMANDAL etc.

Group of student was assigned to Research scholar Mr. Ajey Mahapatra from IUCAA for smooth conduction of visit. He explained various aspects about the IUCAA from its establishment to current standing as one of the pioneer institute in astronomy and astrophysics in India. He also highlighted some of the important projects undergoing in IUCAA including projects related to Black Holes, Detection of Gravitation waves etc. He also told students about upcoming activities of IUCAA and astronomical events. During the visit, students were keen towards understanding about astronomical happenings and inspired by meeting with Sir Issac Newton, Galileo Galeli, Albert Einstein (Statues) whose mere presence as a statue made the IUCAA holistic place for scientists and Engineers. The discussion session was very interactive and fruitful in view of student perceptions.

The visit proved to be very fruitful for all students as it will bring the interest in understanding Automation and Control System Engineering. The astronomy club students were accompanied by Co-ordinator Dr. Vishwajeet Khot, Assistant Professor (Physics) & Mr. Pravin Gorde, Assistant Professor (CIVIL).

Thanking you for giving the opportunity to arrange this industrial visit.

## Image Gallery



Prof Pravin Gorde (left) Dr Vishwajeet Khot (Right) at Inter University Center for Astronomy and Astrophysics (IUCAA)



Coordinators with Astronomy Club members with IUCAA personnel at IUCAA



Mr Ajey (IUCAA) explaining the meaning LOGO to Students



Students observing Foucault Pendulum which oscillates along the axis of the earth