**PH201 Optics and Lasers**

**Report**

**By Maheeth Reddy (1801CS31)**

Before taking PH201, I was one of those students who was terrified by listening or reading anything in Physics. When I had to choose between Optics and Lasers or Vacuum Science during pre-registration, I felt I took a gamble. But now, I know, that gamble has certainly paid off, and I have changed my opinion on Physics as a whole. Thanks to your teaching sir.

**What have I learnt from PH201 ?**

I can proudly say that I have gained good amount of knowledge about wave phenomena of light such as interference, diffraction and polarization. These are some topics which never went into my head, when I first read them in Class 12. I am relieved that I have understood the science behind those phenomena now. If someone told me that 3 dimensional images of objects can be stored on plane films, before I had taken this course, I would not have believed them. But now, I know it is possible through Holography.

Holography and Lasers were completely new topics. Though I could not completely understand the theory in Lasers, I got an essence of it.

**Was the course useful and interesting ?**

Yes, the course was useful. Optics and Lasers are used in storing and retrieving data from CDs and DVDs. Fiber Optics is used for transmission of data over large distances without much loss. The course has given me the knowledge to understand these applications.

I have already expressed that I found the course interesting, which you might have guessed by reading my report until this point.

**Suggestions**:

Sir, I appreciate your effort in making the subject content clear to the students, not just through lectures but also through tutorials. I wish we had some time to do some experiments in the lab to further understand the theory. We could have put some more time to solve numericals, especially for topics in Lasers, because I found it hard to follow too much of theory. On the whole, the course was interesting and I am glad that I had a chance to do such an informative course.