

University of Delhi at ANDC SPIE Student Chapter

SPIE Annual Report 2018

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In an induction workshop in August, 2017, SPIE student members have been given round the year hands-on projects. The SPIE student members have been working to develop projects, kits and activities which can be employed to improve the effectiveness of outreach activities. They have been working on the following projects:

1. Newton's Disk 5. Transmitting sound through light
2. Color mixing 6. Anaglyph 3D
3. Periscope 7. Dispersion of Light
4. Solar Lamp

A demonstration of all these projects is planned in the month of March in the College, along with an outreach activity.

The annual SPIE Optics + Photonics conference held in San Diego was attended by Abhishek Raiwani, B. Sc. (H) Electronics, III Year at San Diego, USA from August 06-10, 2017. He attended Leadership Workshop, talks on Metamaterials, Biosensors and Bioelectronics, workshops on inter-personal skills and CMOS imaging sensors and their applications and participated in Optics Outreach Games. Twenty teams from all over the world had set up stalls at the Outreach games and the activities were incredibly diverse. One of the chapters from Mexico had an activity to show how primary colors mix together to form other colors. Another chapter had an activity illustrating the lateral displacement of images in water. The chapter from DTU had a Newton's disk, a kaleidoscope and a microscope attachment for a phone. At our chapter's stall, we had an outreach activity illustrating the Anaglyph 3D effect aimed at middle school students illustrating how red and blue 3D glasses work. We had about a 100 handouts, the majority of which were taken by chapter officers and some teachers interested to conduct the activity in their neighbourhood schools with their chapter.

SPIE student members, Adarsh, Prsahant and Chiradeep participated in the 5th Annual Convention organized by Regional Council (Delhi & Haryana) of Indian Association of Physics Teachers (IAPT) on August 19, 2017 at the DAV School, Shreshth Vihar, New Delhi.