# Astronomy Exhibit 2013

In celebration of the Rizal Technological University College of Engineering and Industrial Technology's CEIT Week, the RTU Astronomy Society, belonging in the said college, put on a fun-filled and comprehensive exhibit last September 27, 2013 at the Research and Development Building Astronomy Center.

Two rooms of the astronomy center were used for the said event—the first room was used as a planetarium while the second was used as the main exhibit room.

Batches of students from different departments of RTU as well as high school students started to arrive as the exhibit opened at about 12:00 nn. The planetarium, aimed to spread awareness and interest in the science of astronomy among the visitors, was improvised and designed to make the audience feel like they are in a real planetarium dome. Video clips were first shown which were quickly followed with a planetarium show that toured the audience into the heavens. Wonder and amazement was obvious among the audience as they were seemingly taken from the earth, into the moon, then around the planets, and finally into the stars and galaxies. After the show, the audiences were allowed to ask questions, which were confidently answered by the third year B.S. Astronomy Technology students manning the planetarium.

After entering the planetarium, the visitors were then guided to the second room which is where the exhibits were located. A total of seven exhibits were there.

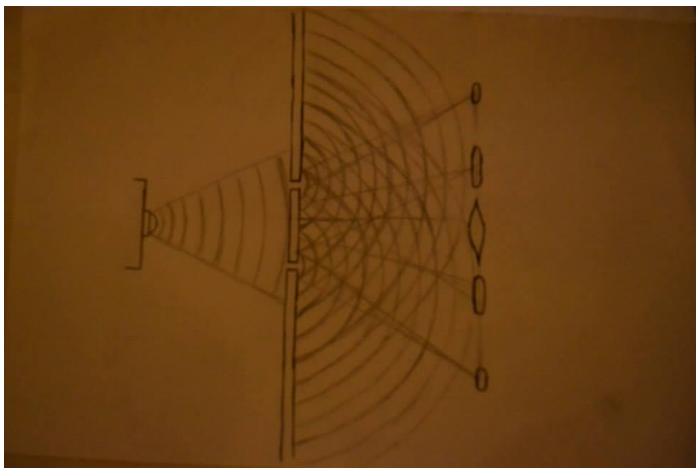
First was the miniature tesla coil which was crafted by the fourth year students. The tesla coil was able to give off zaps of electricity safe enough for the visitors to touch.

**1. TESLA COIL**

Next was the fun wire loop game that put the visitors' concentration skills to the test.

**2. WIRE LOOP GAME**

Following was the improvised double slit experiment by the third year students, which helped prove and explain the wave-particle duality of light to the guests.



**3. DOUBLE SLIT EXPERIMENT**

Beside it was the density tower which was made by the second year students. The density tower was made by pouring liquids with different densities inside a tall container, which produced layers. Additionally, a beam of light was also directed into the container, bending the light as it passed through the different layers.

**4. DENSITY TOWER**

Next to the density tower was the magnetic field line tracing experiment which includes a horseshoe magnet and iron filings.

**5. HORSESHOE MAGNET AND IRON FILINGS**

Two telescopes, a refractor and a reflector, were also set up for the visitors to know the differences between the two.

**6. REFRACTING TELESCOPE**

**7. REFLECTING TELESCOPE**

Last was the interactive “mysterious boxes” exhibit that never failed to trick the guests’ sense of touch. The visitors were allowed to ask questions as they stop over from one exhibit to another.

**7. MYSTERIOUS BOXES**

The planetarium was always full and the exhibit room was extremely crowded and busy during the whole length of the event. Surely, the guests departed from the venue with lots of new facts and knowledge that they've learned from the exhibits. The event ended at 3:00 in the afternoon.