

Inspiring youth and Women towards Space Science and Astronomy in Nepal

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Pokhara Astronomical Society (PAS)

Outline

- Introduction
- PAS activities
- Tools and Technique
- Capacity Building
- Recommendation

Nepal

Mountainous country with
Population of 28.51 million and
area 147,181 sq. km.

9 Universities

Tribhuvan University only provide Astronomy
Education in University level

**Nagarkot Observatory (16 inch Meade
Cassegrain Reflecting Telescope, Meade
LX200 GPS)**

**B.P Koirala Memorial Planetarium and
Observatory**



- Nepal Astronomical Society (NASO)
- Pokhara Astronomical Society (PAS)
- Dang Astronomical Society (DAS)
- Everest Science Center Nepal
- Astrophysics & Cosmology Research Group of Nepal
- Nepali Association for Astronomical Mission (NAAM)
- National Academy of Geo and Space Science
- Etc.

Pokhara Astronomical Society (PAS)
Establish in July 12, 2012 (Transit of Venus)

Tools we have

- One 90 mm MEADE telescope
- Three green laser pointer pen
- Approximately 30 Solar Glasses
- About 25-30 display pictures
- Blind kits



Pokhara

Recently upgraded to the Metropolitan City.

Population: 414,141

Prithvi Narayan Campus (TU)

B.Sc Physics (Major With Space Science)

M.Sc Physics (Major with Astrophysics)



Education:

- ❖ Galileo Teacher Training Program (GTTP-Nepal)
- ❖ Hands on sessions, workshops on Astronomy education
- ❖ Astronomy and Astrophysics Class for School/University level students

Outreach:

- ❖ Astrophoto Exhibition
- ❖ Night Sky Observation
- ❖ Talk/Documentary Show
- ❖ Water Rocket Competition
- ❖ Webinar

Research:

- ❖ We are currently assisting to the students of B.Sc. Physics to carry out their university projects.

Participation of Youth and Women (Education)



- ❖ Galileo Teacher Training Program
2015 GTTP Pokhara -NASO/PAS
2016 GTTP Pokhara- PAS
2016 GTTP Syangja - PAS
- ❖ PAS Astronomy Class
- ❖ Technique of night sky observation



Participation of Youth and Women (Outreach)



- Night Sky Observation and Star Parties
- Presentation/Talk Program
- Astrophoto Exhibition
- Water Rocket preparation and launch
- Webinars



Computational and Mobile phone applications

Salsa j

Stellarium/Star Chart

Aladin

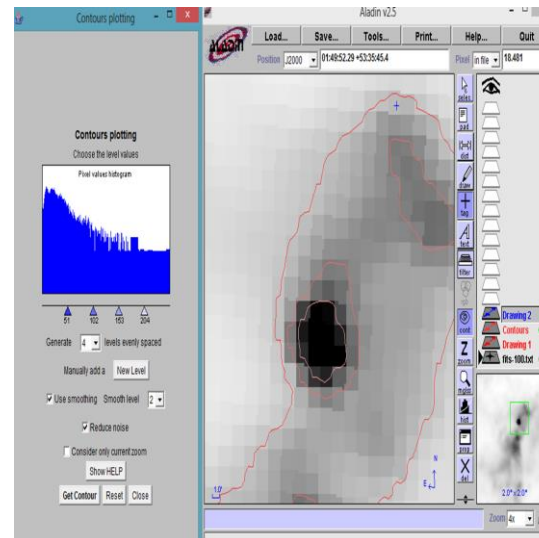
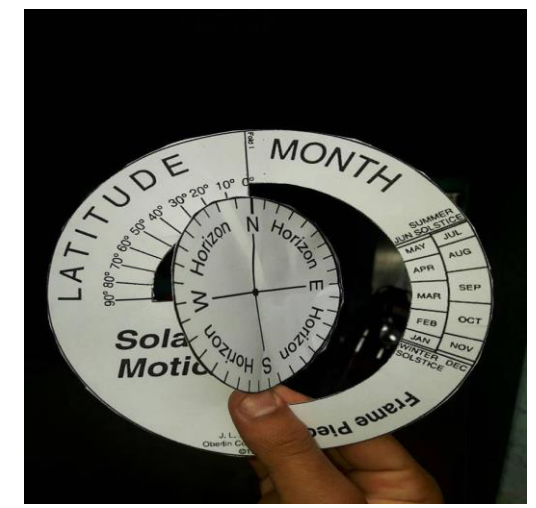
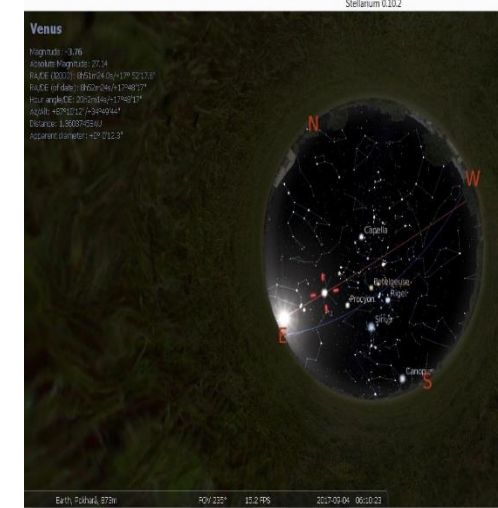
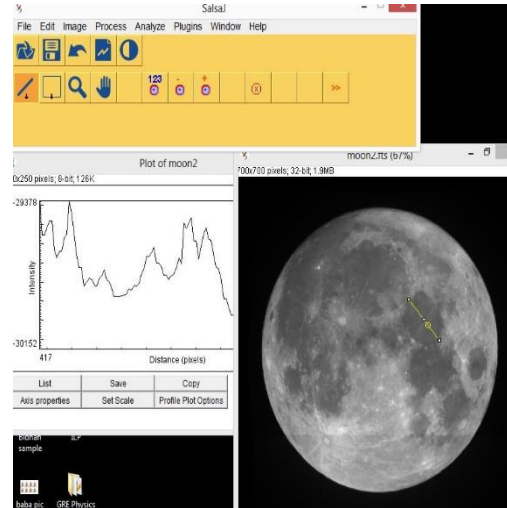
Hands on Workshop

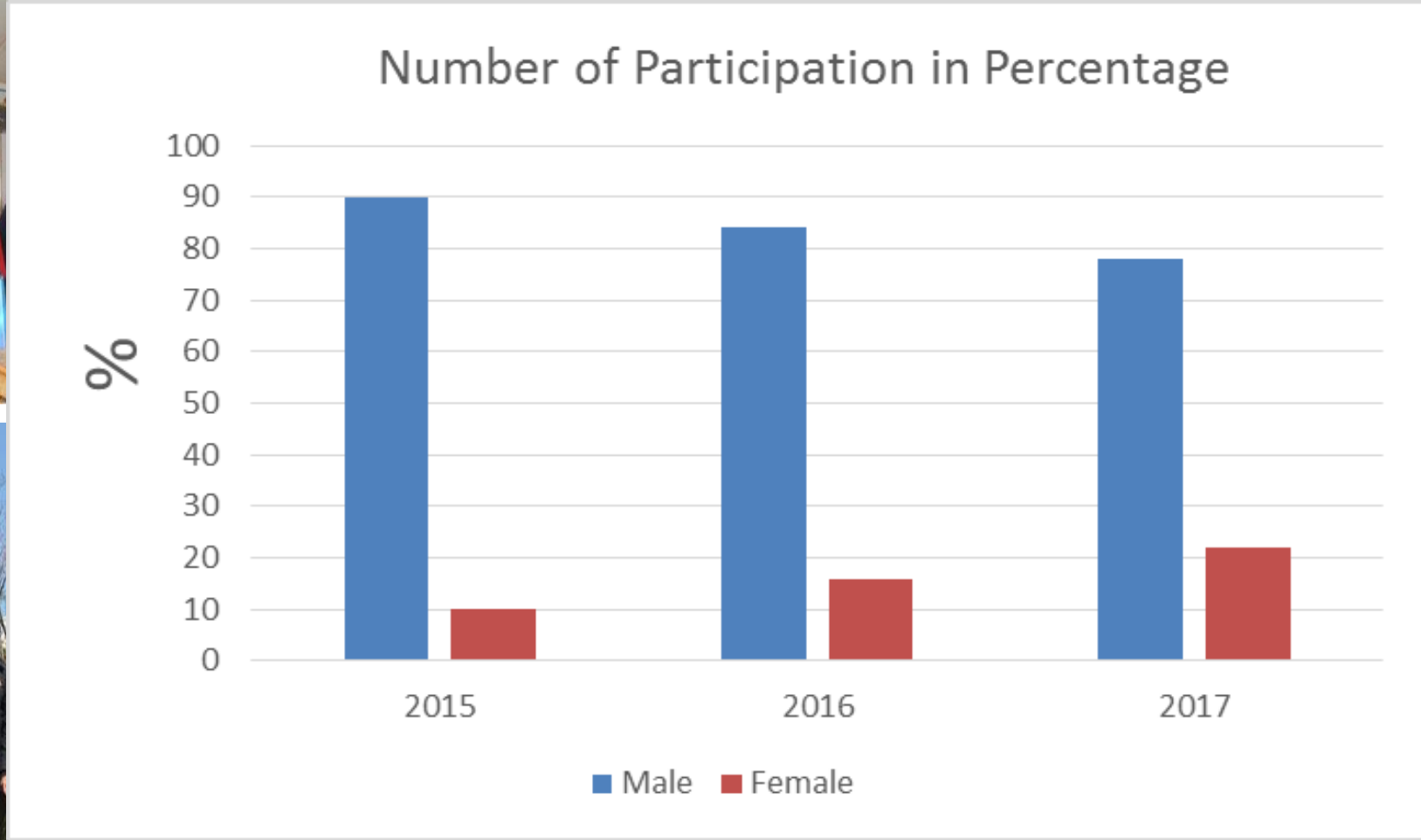
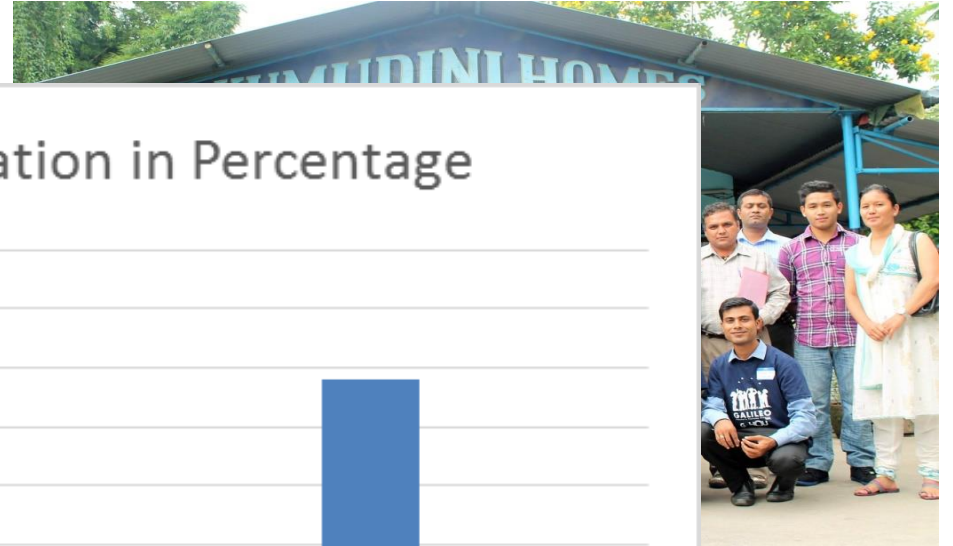
Astrokits

Telescope

Constellation Model

Water Rocket

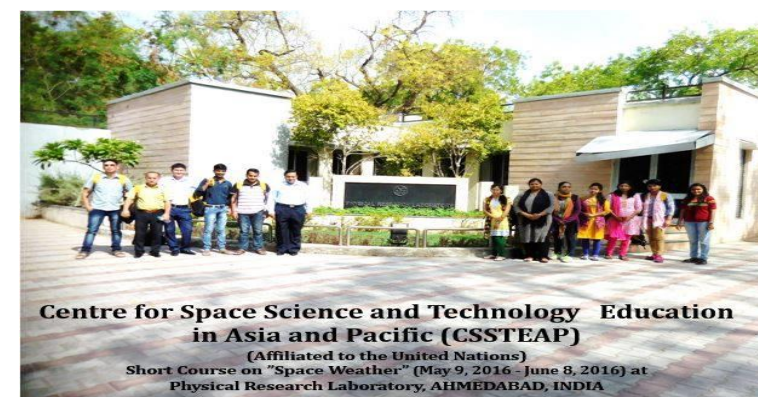




Capacity Building



- Number of youth volunteer is increasing
- Separate department of Women/STEM
- Improve teaching learning practice in classroom
- Space leader get an opportunity to participate on national and international program
- Improve the relation between science Communicating organization and STEM literacy in community
- Establish Pokhara as Astro-torium (Concept)



Recommendation

- Its still challenging to inspire women in Space education as well as STEM
- Training/Workshop related on STEM education for women
- Should increase the participation of private institution
- Need of Institution/Agency to train our students/future generation

Thank you

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