

### VO on Android Platform

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### Android Apps for VO

- Apps presented at Interop in Pune, India (2011)
  - Name Resolver IUCAA
  - Cosmology Calculator IUCAA
  - SkySurveys based on HEALPix CDS



### Current Projects @ VOI

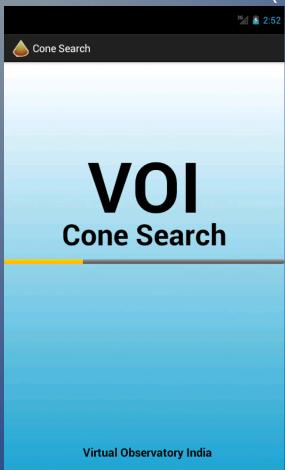
We are currently working on two apps for the Android platform.

- Cone Search
- StatLite (A lite statistics application for high school students)

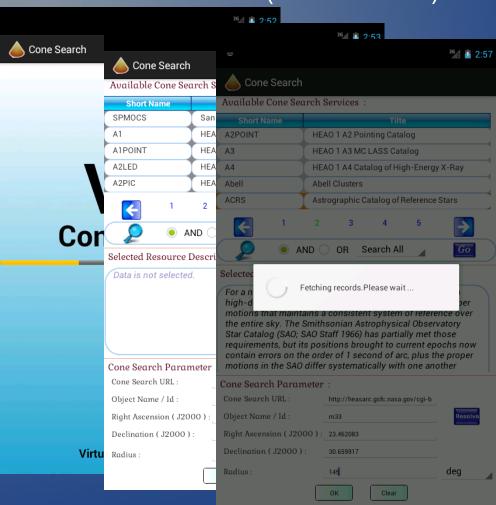


- One point access to query any catalog in the IVOA registry.
- User can resolve object name using NED and SIMBAD resolver service.
- Allows user to search selected object/coordinates within any selected catalog.
- User can preview the results and/or download the VOTable onto the device.

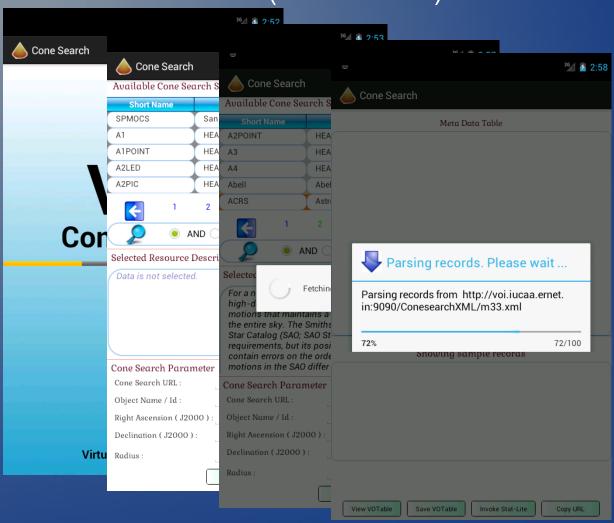




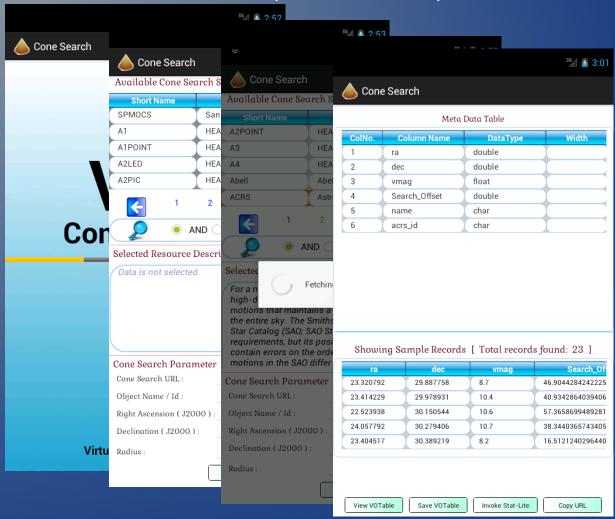




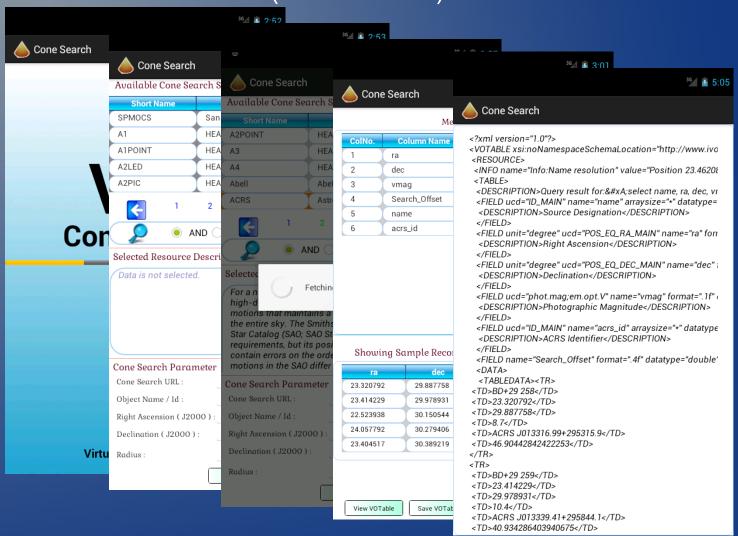














- Is a pedagogical application intended to introduce basic statistical concepts to high school students.
- Specifically engineered to run on the Aakash tablet.
- Aakash is a low cost Android tablet that is widely distributed by the Government of India to the student community.
- These are available in two versions only Wi-Fi (~ \$70\*) and Wi-Fi with EDGE (~ \$80\*)
- Typical configuration Cortex A8 1GHz, 512MB RAM,
   7" screen, 4GB storage (32GB expandable)

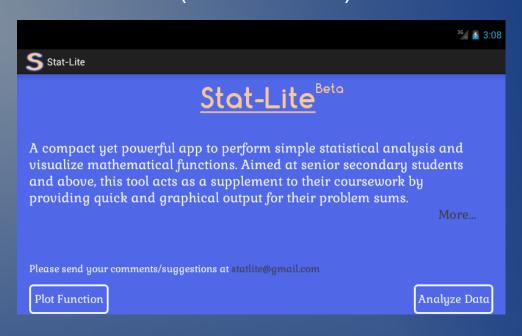
<sup>\*</sup> These are commercial prices. The Govt. of India provides these tablets to students at subsidized rates



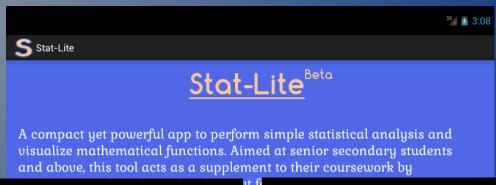
### Stat-Lite (contd.)

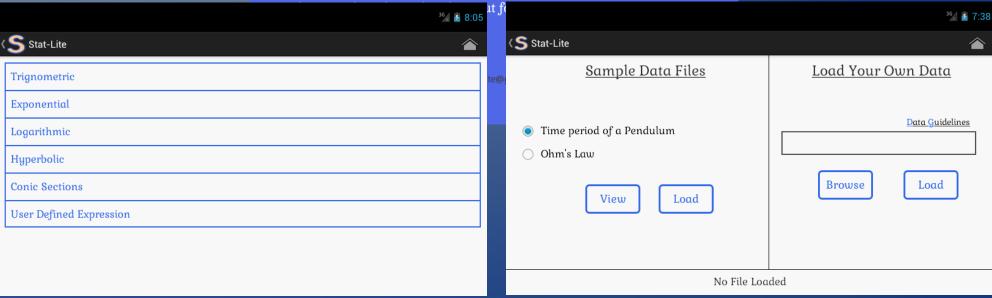
- Students can
  - Plot simple mathematical functions.
  - Upload a data file
  - Obtain descriptive statistics, correlation, straight-line fits
  - Plot line graphs and bar charts.
  - Visually study the effect of outliers on straight-line fits.







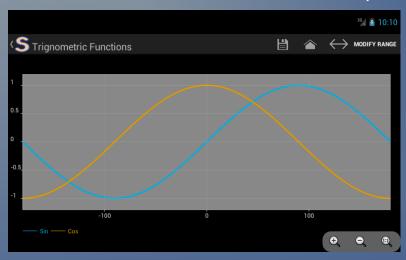




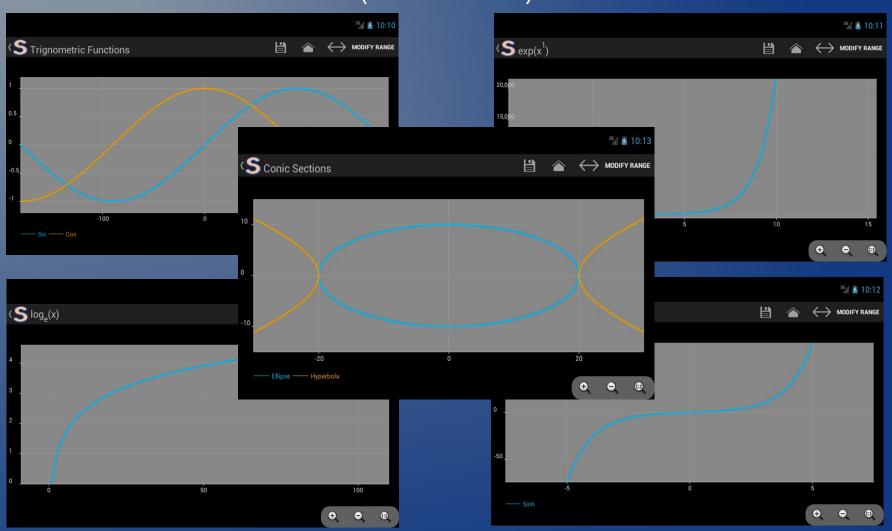


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( S Stat-Lite			
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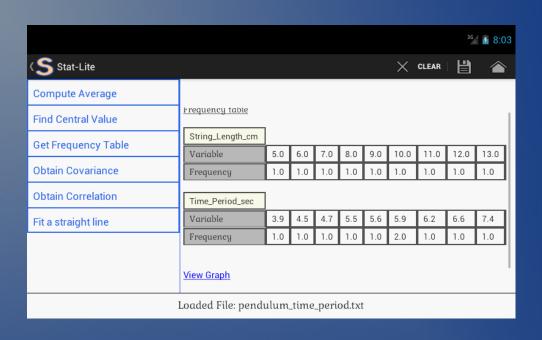








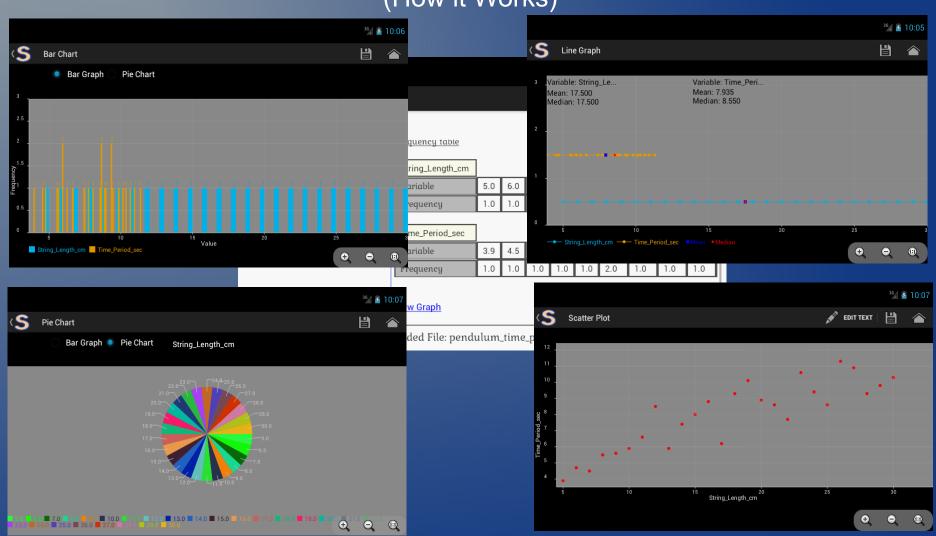




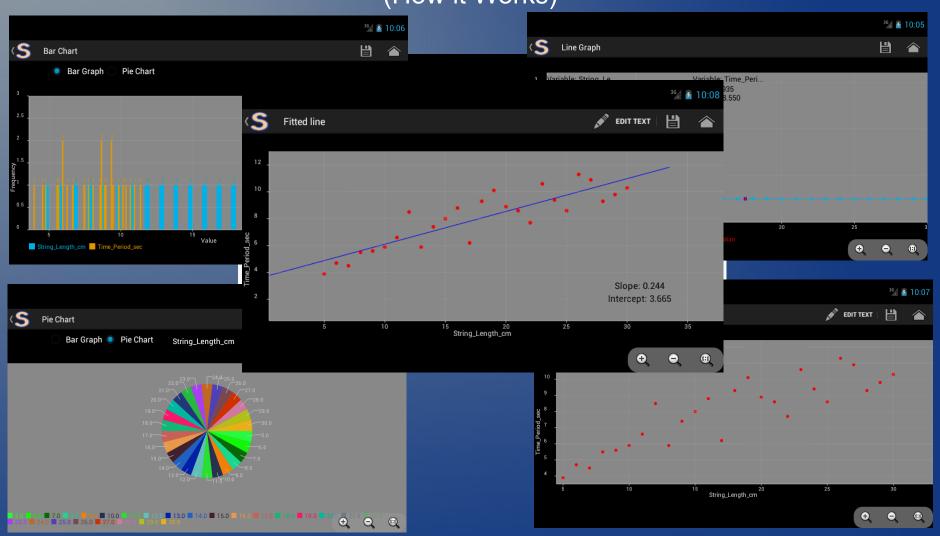












### Thank You

**Principal Investigators (PI)** 

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#### **Developer Team**

Prerak Garg – StatLite Satish Phadke – Cone Search Abduleahim Hannure – Cone Search

#### **Technical Team**

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