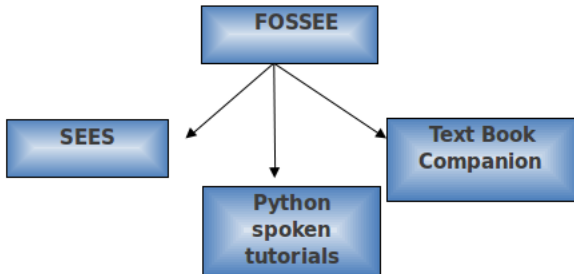# FOSSEE

IIT Bombay

FOSSEE - Introduction

Free and Open source Software for Science and Engineering Education

Principal Investigators of the Project

- Prof. Prabhu Ramachandran
- Prof. Madhu Belur
- Prof. Kannan Moudgalya
- Prof. Mani Bhushan

What do we do?

SEES

- Software Engineering for Engineers and Scientists.
- For students of BE/BTech and ME/MTech programmes(Non CS/IT Streams)
- Help them to use open source software tools for curricular purposes.
- Modules
    - Using Linux Tools
    - Basic Python Programming
    - LateX
    - Version Control
    - Test Driven Development
    - Advanced Python

Workshop

- For Coordinators on "Software Development Techniques for Teachers of Engineering and Science Institutes"
- Advantages of using Free and Open Source Software (FOSS)
- Conducted in 2 parts.
- First: Expert faculty from remote centers to a Coordinators training workshop in IIT.
- Second: At selected remote centers, lecture and live transmission takes place through distance mode using AVIEW technology.
- The final audio and visual contents along with other course materials will be released under Open Source.
- `http://goo.gl/6puaI`

Textbook Conversion

- Create a repository of reference material in the form of solved problems for Scientific Computing with Open Source tools.
- How does it work?
- How do I contribute?
- For more details visit `http://fossee.in/textbooks/`

Spoken Tutorials

- Video tutorials on various modules of Python
- Completed: 37 video tutorials related to scientific computing using python.
- Ongoing: Video tutorials for the complete SEES course
- Can be used for self learning and teaching purposes
- Videos can be downloaded from http://fossee.in/stvideos

Thank You!