

# FOSSEE

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FOSSEE

# Outline

- 1 Introduction
- 2 What do we do?
- 3 SEES
- 4 Workshop
- 5 Textbook Conversion
- 6 Spoken Tutorials
- 7 SciPy Conference

# FOSSEE - Introduction

- Free and Open source Software for Science and Engineering Education
- Based at IIT Bombay
- Goal: Promote the use of open source software tools among students and faculty of Engineering colleges.
- Funded by MHRD as part of the National Mission on Education through ICT.
- Principal Investigators - Prof. Prabhu Ramachandran and Prof. Madhu Belur

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# What do we do?

- SEES
- Workshop for Coordinators on Software Development Techniques for Teachers of Engineering and Science Institutes
- TextBook Conversion Program
- Spoken Tutorials
- SciPy Conference

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- 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

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# 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: was conducted on 3rd and 4th September 2011, through the distance mode using internet and the AVIEW software.
- Second: will be held at IIT Bombay on 17th and 18th September 2011.
- <http://goo.gl/6puaI>

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# 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/>

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# 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>

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# SciPy Conference

- Scientific Computing using Python
- Provides opportunities to spread the use of the Python programming language in the Scientific Computing community in India.
- Conferences, Tutorials, Sprints
- Eminent Speakers
- December 4-7, IIT Bombay
- Visit `http://scipy.in` for more details



# Thank You!