

Diagrams and Schematics Using Tikz

A Summer training initiative by

The Free and Open Source Software (FOSS) Group

Indian Institute of Space Science and Technology, Thiruvananthapuram

IMPORTANT INSTRUCTIONS — READ CAREFULLY

Answer **any one of the following questions**. Submissions must be made as a zip file named as “<student_name>_<question_number>.zip” containing similarly named .tex and .pdf files containing the TeX source and the output respectively. For example, Nidish_2.zip.

**Submissions may be made only through email to
fossgroup.iist@gmail.com on or before July 10, 2017**

1. Draw the Logo of FOSS Group, IIST (as shown below) using Tikz. You can ignore the shadows and the shadings — a simple filled line drawing would suffice.



Figure 1: FOSS Group, IIST

2. Draw the free-body diagram of a square mass block (M) attached to a rigid wall through a spring (K) and a damper (b) (in parallel). Specify the forces involved with appropriate arrows.