This handout describes the Xilinx student edition Foundation 2.1i software installation on laptops. The procedure takes about 40 minutes. The installation description expands the two steps given in the Xilinx software package of the old type of the 3rd Edition Updated version of the book. Recall that the new kind of the 3rd edition updated version of the book has the Xilinx student edition ISE 4.2i package.

The two steps expanded are steps 1, 2, 3, 3, 4 in the section titled “Running Setup” on the inside cover of the software package. Note that this section has in fact five (5) steps, but because of a typing mistake, number “3” is used twice. We will go through first four (4) steps. We will not do the last step given in the software package.

If for any reason, you cannot continue with the installation or you think you made a mistake, you can cancel the installation and start from the beginning. To stop the installation procedure, just click “Cancel” and start from the first step below. You can also use the “<Back” button of the dialogue boxes to go back a few steps. If the installation software asks you to overwrite something (typically a file or directory already installed), say “yes” to continue. Again, you can always restart the installation.

Before you start the installation, make sure that your laptop is connected to the internet and you have the C-drive number of your laptop with you. They are needed to license the software with Xilinx.

There are two CD-ROMs that come with the textbook. One is “Design Environment” and the other is the “Documentation.”

➢ Insert the “Design Environment” CD-ROM to the CD-ROM drive. The computer will start running the “setup.exe” program. If it does not for any reason, use the Windows “run” command from the Windows “start” menu to run the “setup.exe” program on the CD-ROM.

➢ Click “Next” when the first dialogue box appears.

➢ The second dialogue box asks for the HTML browser, just accept the default one which is the first choice in the box that points at the browser at the specified location. Then click “Next.”

➢ Select “Yes, I accept the terms of the…..” and then click “Next.”

➢ In the next dialogue box, select the option of “Typical Installation” and click “Next.”

➢ In the new dialogue box, you need to input your name, your school name, the Serial Number and the CD key. The serial number and the CD key can be found in the CD-ROM package. Click “Next.”

➢ In the next dialogue, the “C:A:Fndtn” will be the default destination folder. We suggest you keep this unchanged. Click “Next.”

➢ In the new dialogue box, select all the installation options except the “CPLD implementation and Devices” as shown below then click “Next”:
➢ In the following dialogue box, select only the first option “Spartan” and then click “Next”:

➢ In the next dialogue box, select all the items to install: “Userware Tutorial,” “Userware Utilities,” “Userware Training,” “Userware Supplemental Information” and “Design Samples.” Click “Next.”

➢ In the next two dialogue boxes, just click the “Next” button.

➢ In the last dialogue box, click the “Install” button.

➢ Click “OK” when the message window appears.

➢ Click “Yes” for the Project Manager icon to be shown on your desktop.

➢ Click “Finish” when the next window is shown.

➢ The installation software will start your internet browser to lead you to access the Xilinx web site to license your software. Follow the instructions until you receive the license. Make sure to save the text inside the box on the bottom of the page as the “license.dat” file as c:\Fndtn\data\license.dat.

➢ Click “OK” if a reboot of your PC is needed in the next box.

➢ Remove the Design Environment CD-ROM.

➢ Insert the Documentation CD-ROM. If your computer automatically starts running the installation program, click “Next” to install the Xilinx Documentation. If it does not for any reason, use the Windows “run” com-
mand from the Windows “start” menu to run the “setup.exe” program on the CD-ROM and then click “Next.” Note that we will first install the documentation and then “Service Pack 6.”

➢ Accept the Default browser location by clicking “Next.”
➢ Select all five (5) books in the next box and click “Next.”
➢ Click “Next” for the suggested folder name in the next box.
➢ Click “Install” in the new dialogue box.
➢ Click “No” for showing the Project Manager icon as we already did it.
➢ Click “Finish” in the last box.
➢ Now, we are ready to install “Service Pack 6”
➢ Get a display of the files on the CD-ROM by using the Windows “My Computer” menu. You will see that one of the folders is named “SERVICE PACK.” Double click on it to see the files it contains. You will see three files listed.
➢ Double click on “21i_sp6_implementation_pc.exe.” A window will eventually appear to update the Xilinx software.
➢ Click “Next.”
➢ Accept the suggested destination in the next window and click “Next.”
➢ Click “Install” in the next dialogue box.
➢ Click “OK” in the next box.
➢ Click “Finish” in the last box.
➢ Double click on “21i_sp6_data_pc.exe.” A window will pop up to ask for overwriting a number of files. Click “Yes to all.”
➢ Click “Next.”
➢ Accept the suggested destination in the next window and click “Next.”
➢ Click “Install” in the next dialogue box.
➢ Click “Finish” in the last box.
➢ Before we work on the last Service Pack program, make sure that there is no Windows program running. Then, double click on “21i_fpgaexpress.exe.” A window will pop up to ask for overwriting a number of files. Click “Yes to all.”
➢ Click “Next” in the next window.
➢ Accept the name and Company shown in this box by clicking “Next.”
➢ Click “Yes” for the next question regarding the correctness of the name and company.
➢ In the next box accept the installation location and click “Next.”
➢ Accept the Synopsis program folder and click “Next.”
➢ Click “Next” for the current settings so copying can start.
➢ Click “Yes” for deleting from the earlier installation.
➢ Click “Finish” in the last box.
CONTACTS:

1) Students can see the professor or the Teaching Assistants (TAs), about the course, the homework, the simulator and lab experiments.

2) Professor’s contact information and office hours:
   Room 114 LC   (718) 260-3101   Fax: (718) 260-3609   haldun@photon.poly.edu
   Open-door policy   If the door is closed, he might be in the lab

3) Below, are the contact information of the three TAs:
   **Kaijie Wu**: 001LC, (718) 260-4011, kwu03@utopia.poly.edu
   - Present in 2 lab sessions
   - Office hours: T: 2-4; Th: 2-6
   **Francesco Scarimbolo**: fscari01@utopia.poly.edu
   - Present in 2 lab sessions
   **Jeff Tao**: 247LC, (718) 260-3384, jefftao@photon.poly.edu
   - Present in 2 lab sessions
   - Office hours: W: 2-4; F: 3-5
   **Vijay Polavarapu**: vpolav01@utopia.poly.edu
   - Present in 2 lab sessions
   - Commenting on the projects
   **Rajesh Gowda**: 020LC, (718) 260-4073, rgowda01@utopia.poly.edu
   - Present in 1 lab session
   - Grading the homework
   - Office hours: M: 1:30-3:30
   **Rahul Kumar**: 247LC, (718) 260-3384, rkumar02@utopia.poly.edu
   - Present in 1 lab session
   - Office hours: F: 4-6
   **Lawrence Wang**: 247LC, (718) 260-3384, hwang06@utopia.poly.edu
   - Present in 2 lab sessions
   - Office hours: T: 2-4; W: 2-4

4) All handout and lab files are at the course web site: [http://cis.poly.edu/cs2204AB](http://cis.poly.edu/cs2204AB)

5) Students are asked to give feedback about the announced office hours of the TAs in case the hours are not sufficient and/or need to be rescheduled.

6) When short-term problems are encountered in PC labs, students are advised to contact:
   help@duke.poly.edu
   (718) 260-3123
   Room: 325 RH

For longer-term problems in PC labs and **any other matter**, students should not hesitate to contact the professor and the TAs.