Embedded System Design with Xilinx VIVADO & Zynq FPGA

Course Prepared by

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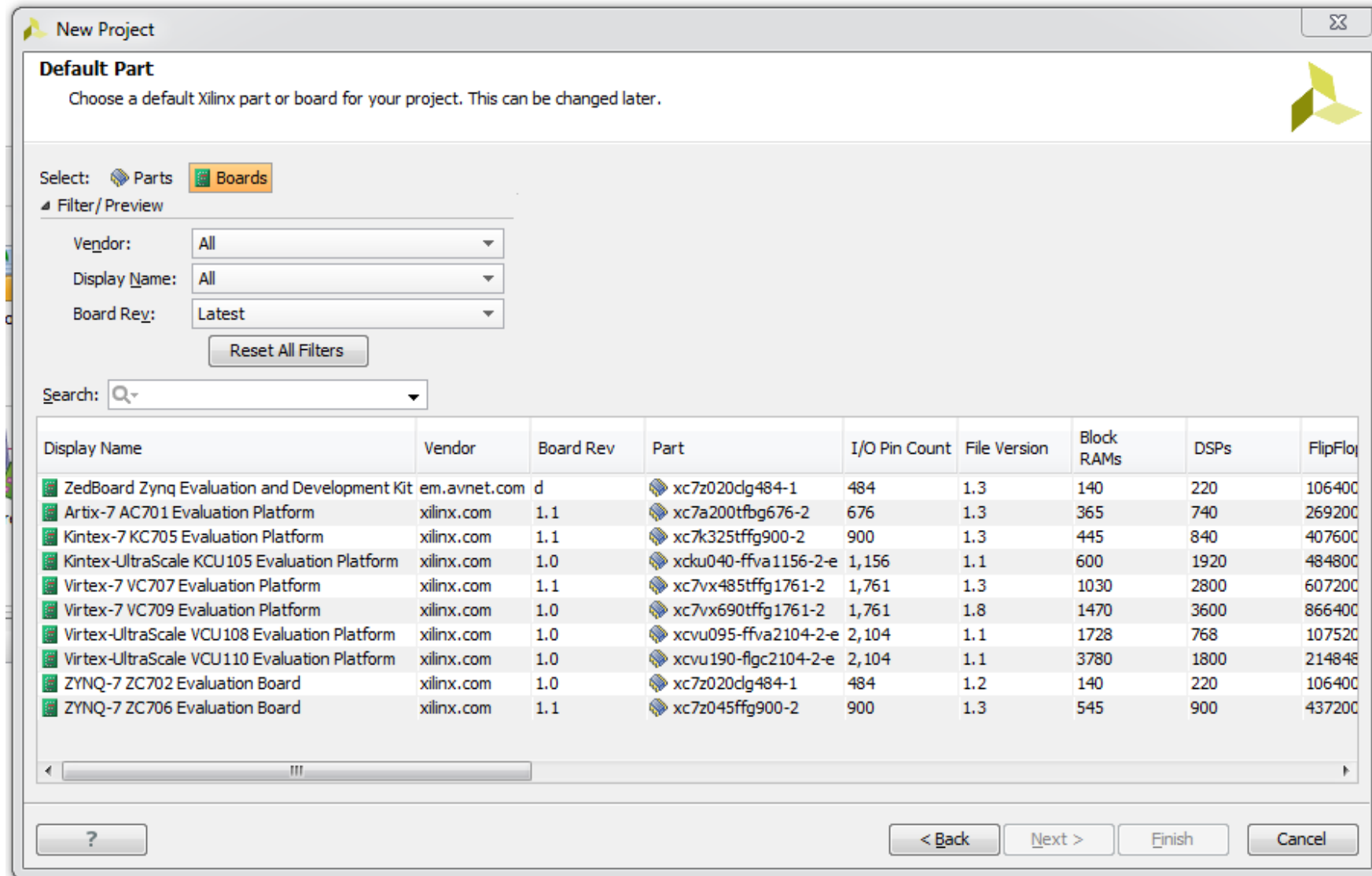**Section 1. Overview with Xilinx VIVADO Tool and Zynq FPGA**

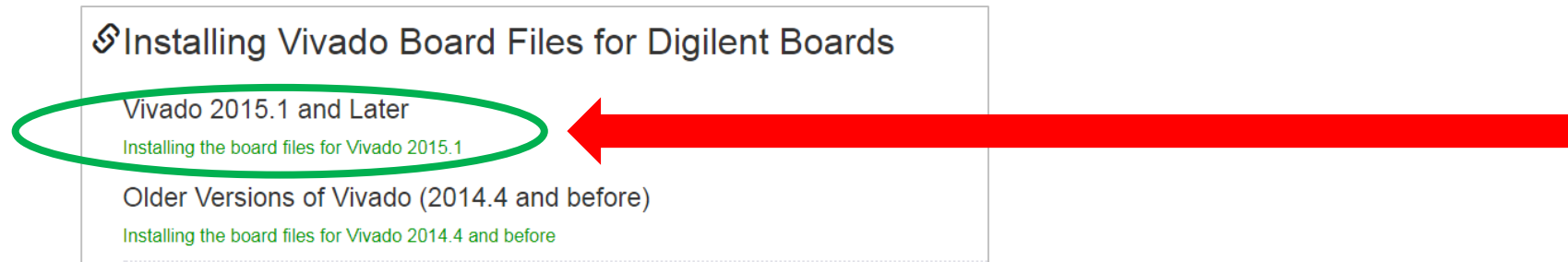# How to Add Board Files on VIVADO (Adding Zybo Board on VIVADO)

These Steps are same for other Digilent Board or Avnet Boards
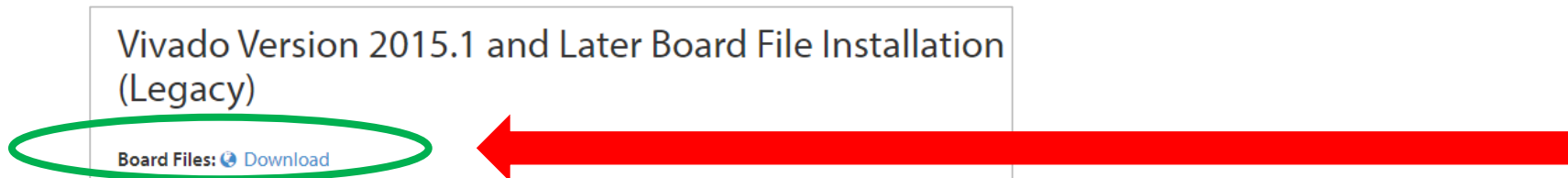
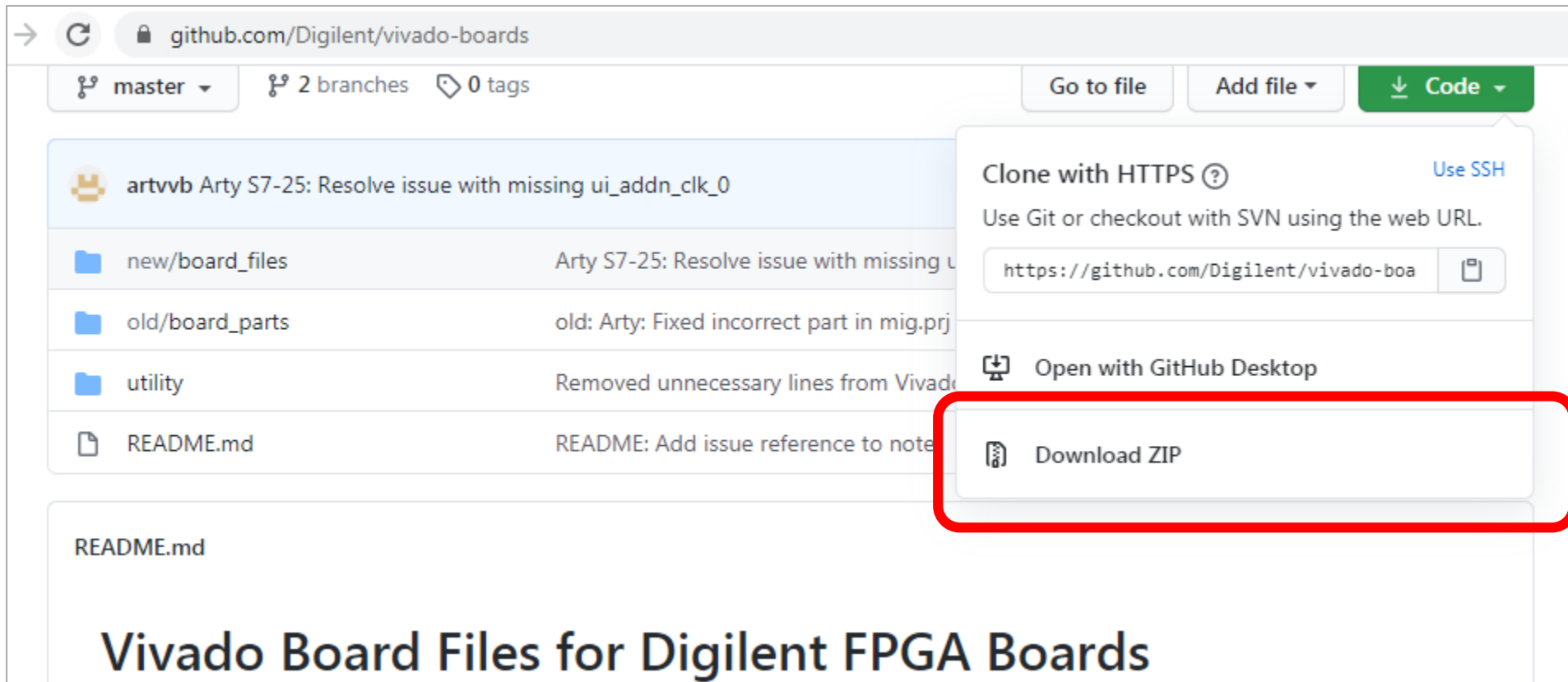# There is no Zybo Board at : Boards

Board Adding Steps: Option 1

1. Goto: https://reference.digilentinc.com/vivado:boardfiles

𝒮 Installing Vivado Board Files for Digilent Boards

Vivado 2015.1 and Later
Installing the board files for Vivado 2015.1

Older Versions of Vivado (2014.4 and before)
Installing the board files for Vivado 2014.4 and before

2. Select Your VIVADO Requirement on the page as shown above

3. Download the Board Files from the "Download" Link as shown below.

Vivado Version 2015.1 and Later Board File Installation
(Legacy)

Board Files: 🌐 Download

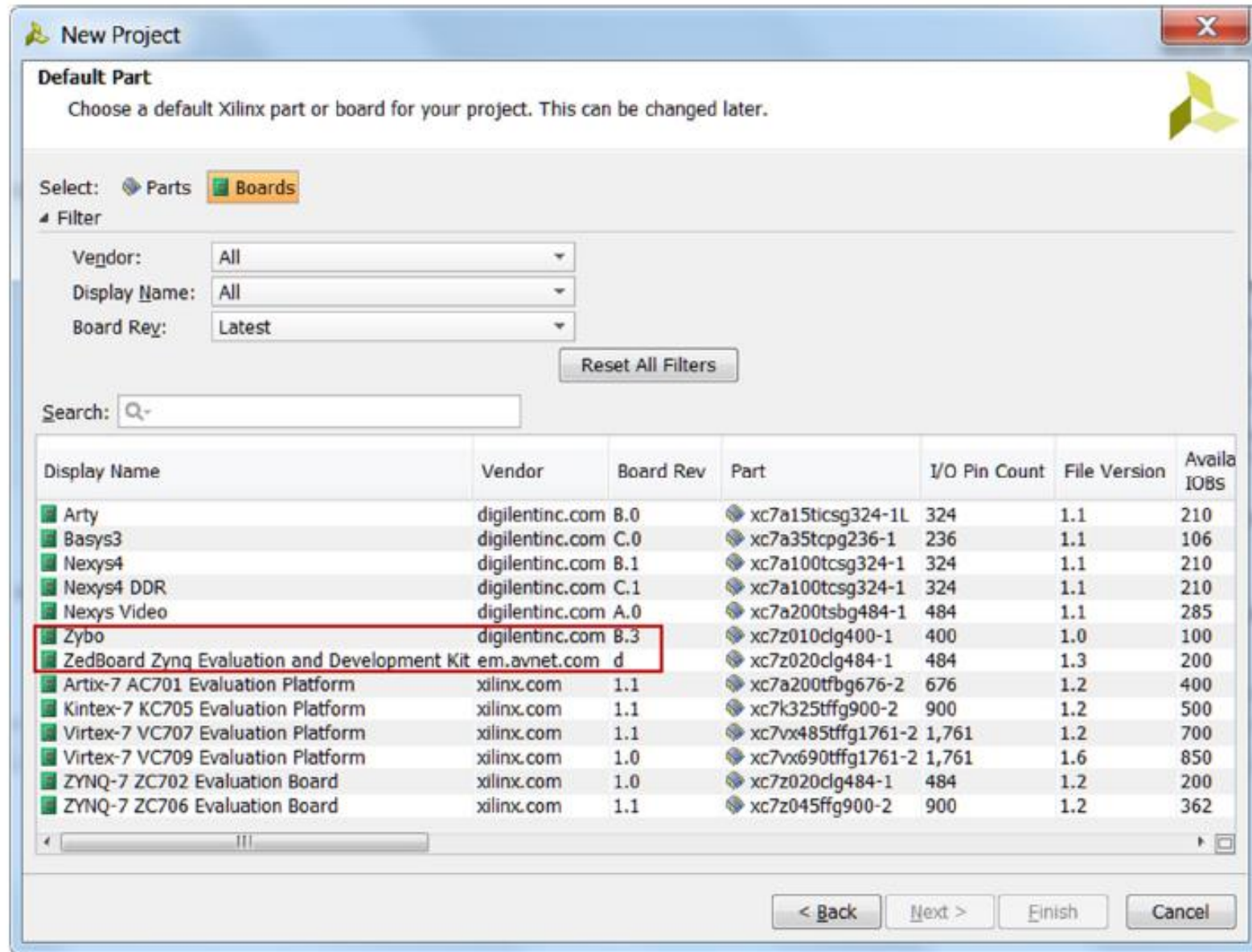4. There is also the Tutorial on "How to install required board on VIVADO". However we also have "those step".

Option2: "Download ZIP" of board file from:
https://github.com/Digilent/vivado-boards

How to Add Zybo on VIVADO

1. Close VIVADO if you have opened up

2. Extract the Downloaded Zip File as: ..\vivado-boards-master\new\board_files

3. Copy the Required Board File: for now copy Zybo

4. Paste that Zybo Folder into Xilinx Installed location on your computer: C:\Xilinx\Vivado\2016.1\data\boards\board_files

5. Open VIVADO , Create New Project, do next, next.. and click on boards, now you will see the Zybo Board there.
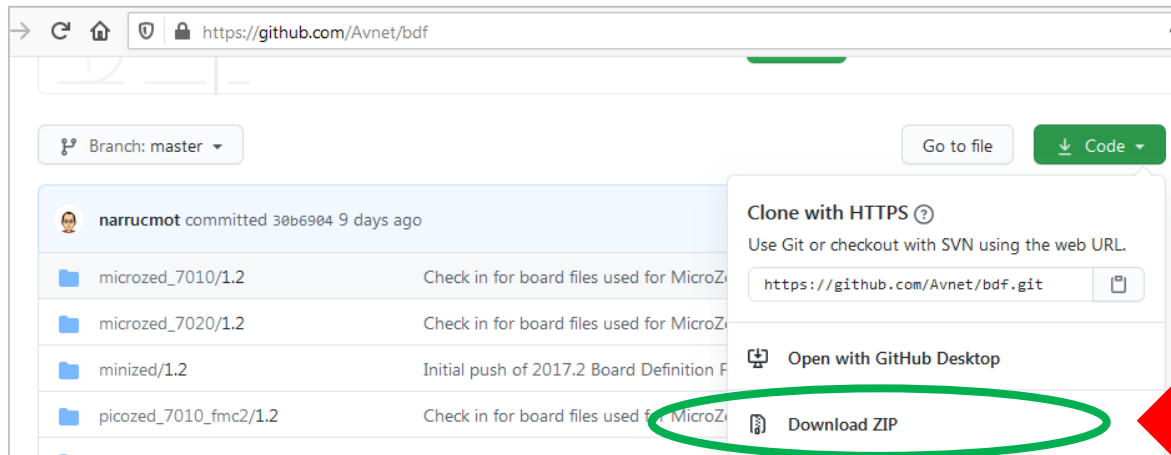
✓Cheers!!!

Now, there is Zybo Board at : Boards

At Last : How to Install Avnet Board

This Board Installation Process is exactly same as Digilent Steps

1. Download Board file from: https://github.com/Avnet/bdf

2. Extract the Zip File

3. Copy necessary Board file and paste it to:

C:\Xilinx\Vivado\2016.1\data\boards\board_files

Thank You!