**INDIAN-RISC-V-SoC-TAPEOUT-PROGRAM-VSD**

**Tools Installation**

**All the instructions for installation of required tools can be found here:**

**System Requirements**

* 6 GB RAM
* 50 GB HDD
* Ubuntu 20.04 or higher
* 4 vCPU

**Resizing the Ubuntu window to fit the screen**

$ sudo apt update

$ sudo apt install build-essential dkms linux-headers-$(uname -r)

$ cd /media/spatha/VBox\_GAs\_7.1.8/

$ ./autorun.sh

**TOOL CHECK**

**YOSYS**

$ sudo apt-get update

$ git clone https://github.com/YosysHQ/yosys.git

$ cd yosys

$ sudo apt install make # If make is not installed

$ sudo apt-get install build-essential clang bison flex \

libreadline-dev gawk tcl-dev libffi-dev git \

graphviz xdot pkg-config python3 libboost-system-dev \

libboost-python-dev libboost-filesystem-dev zlib1g-dev

$ make config-gcc

# Yosys build depends on a Git submodule called abc, which hasn't been initialized yet. You need to run the following command before running make

$ git submodule update --init --recursive

$ make

$ sudo make install

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## **Iverilog**

$ sudo apt-get update

$ sudo apt-get install iverilog

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## **Gtkwave**

$ sudo apt-get update

$ sudo apt install gtkwave

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