Open Source

IIT Mandi - 2023

Mandi, India

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Aveek Basu

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Agenda

What will we discuss today:

- What is Open Source
- How Can You Start
- Carry the Knowledge
- Open Source Projects

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What is Open Source ?

Image Source: Movie Swadesh

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It’s not only about Software..

Project: Liter Of Light

https://literoflight.org

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Where to start from?

Google Season Of Docs

Google Summer Of Code

Do you remember how you print?

Step 1: What is your product? (Why can't I find my printer driver?)

Lexmark CX920

Step 2: What is your operating system?

Linux/Unix

Step 3: What version is your operating system?

Ubuntu Snapshot

Am I running a 32 bit or 64 bit version of Microsoft Windows?

Step 4: What is your language?

English

Submit

Drivers & Software

Recommended Driver

	Last Updated
Network scan driver for 64-bit Linux distributions with Debian-based packaging	08/22/17
Network scan driver for 32-bit Linux distributions with Debian-based packaging	08/22/17
PPD (PostScript Printer Description) files for CUPS-based systems	08/22/17
PPD (PostScript Printer Description) files for 64-bit Linux distributions with Debian-based packaging	08/22/17
PPD (PostScript Printer Description) files for 32-bit Linux distributions with Debian-based packaging	08/22/17

Download

Install

Print

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Printing Today in Linux

Carry The Knowledge

Sahil Arora - IIT Mandi
GSoC - 2017 & 2018

Rithvik Patibandla - IIT Kanpur
GSoC - 2017 & 2018

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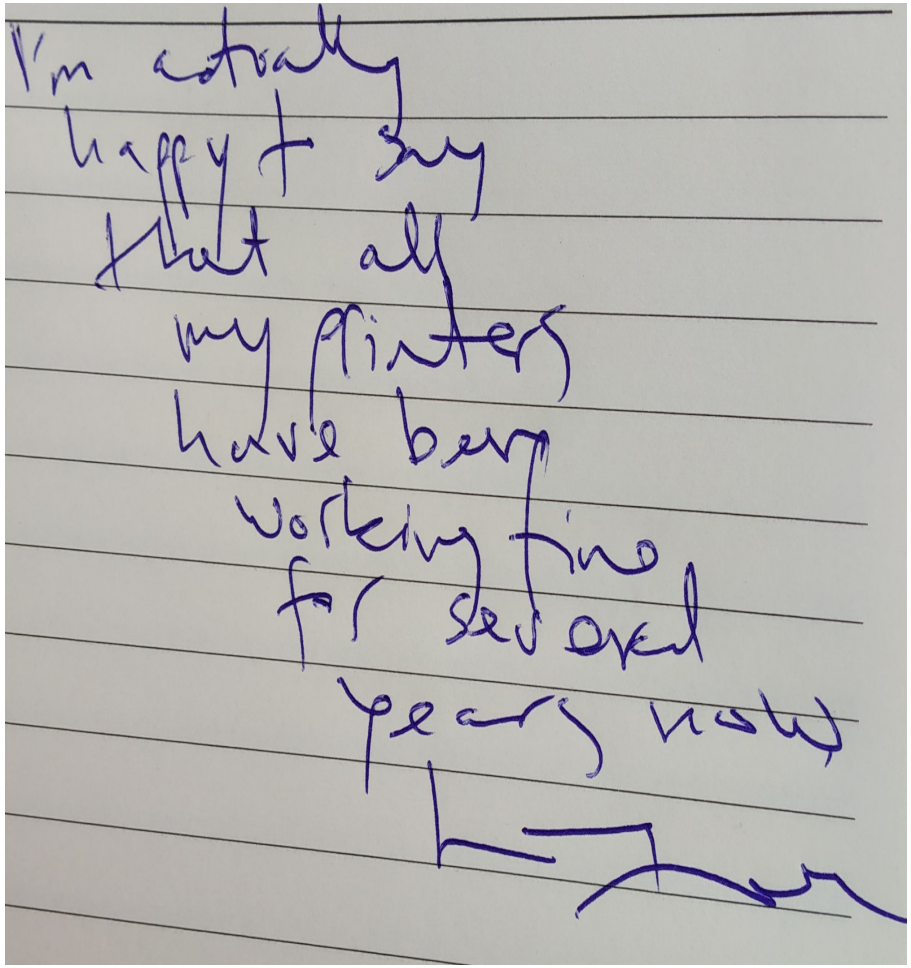
Open Printing



3D Printing

A custom built 3D Printer based on open source model Prusa.

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SHAK

The Zephyr Project strives to deliver the best-in-class RTOS for connected resource-constrained devices, built to be secure and safe.

IOT is changing our day to day life. Start contributing for Zephyr and design the future of tomorrow.

Source: https://www.youtube.com/watch?v=ues2FatBctE&t=1857s

Getting Started: https://docs.zephyrproject.org/latest/develop/getting_started/index.html

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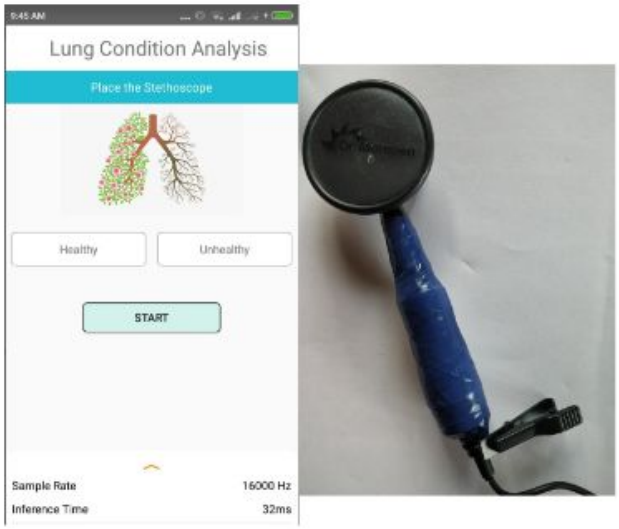
SHAK

IoT Hardware Kit

AI Powered Mobile App for Data Analytics



Digital Stethoscope & AI Powered Lung Analysis

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Thank You !!

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