

# TinyML Progress

**Ethiopia**

# Progress of Ethiopia TinyML

- Introduced To Marco

- Shipping Donated Device

- Meeting with Marco
- Device Arrive to AAU

- Bahir Dar University,
- Ambo University
- Addis Ababa University

- Haramaya University
- Gonder University
- Addis Ababa University

- More device needed
- Sustainability Plan
- Communications & Collaboration
- Tailored to Domain Specific teaching Materials needed

Feb  
2022

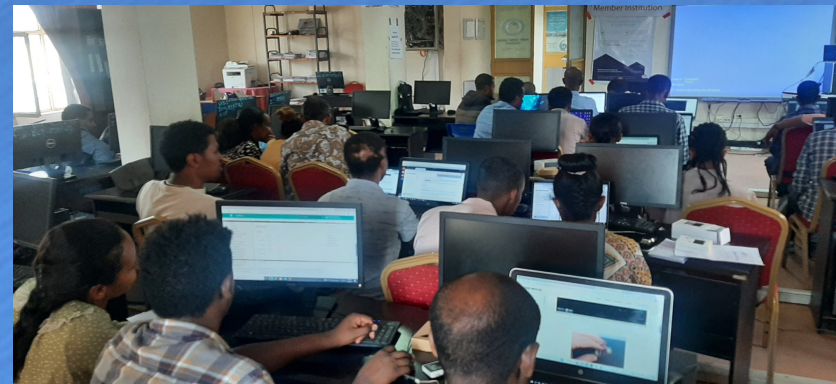
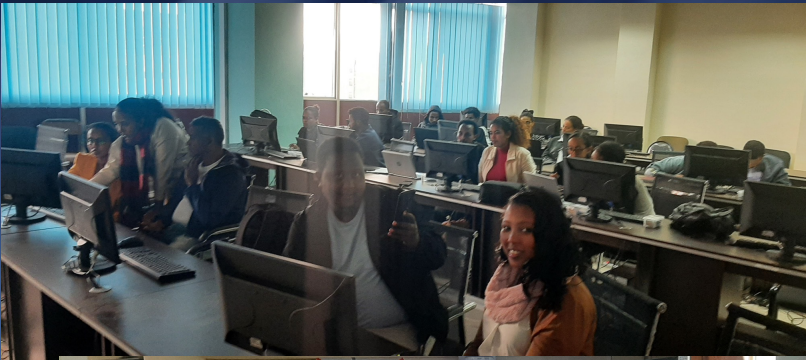
April  
2022

May-March  
2022-2023

Today

July  
2023-...

# Few Pictures from different Trainings



# Training style

- Adopted to fit the situation
  - 2 or 3 days workshop
  - Tailored to the domain specific environments
    - Bioinformatics
    - Security & Privacy
    - Agriculture & Environment
    - Health
  - Examples are taken from Ethiopian related projects
    - 4-KLabs projects ([WWW.4kbots.com](http://WWW.4kbots.com))
    - <https://www.facebook.com/4K4KLABS/>

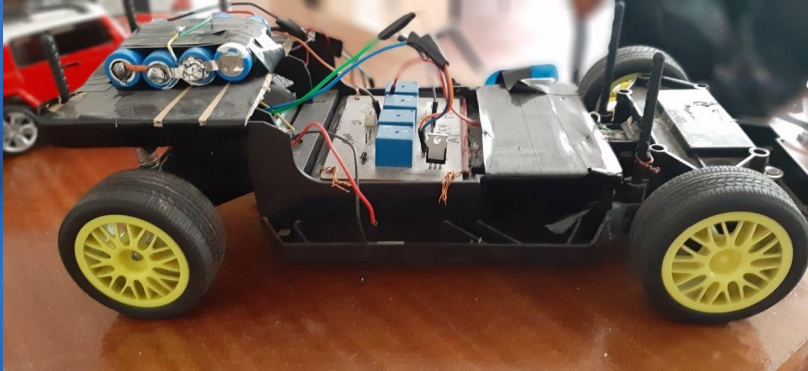


# 4K Labs





# 4K Labs





# 4K Labs

## Hackathon From 4K Labs



### Announcement

We have the pleasure to announce that we will be holding our first hackathon at 4K Labs on March 1-4, 2012. If you are interested in programming, robotics and AI, we particularly welcome your participation. We will provide you with all the information before the 26, 2012.

### How to join

• Register a profile on Github to participate via <https://github.com>.  
• Register your team & submit your solution.

• Register to get your award certificate from the event.

### Rules

- Registration will be held from 8:00 AM - 5:00 PM
- The hackathon will take place at the 4K Labs on March 1-4, 2012. You are invited to participate in the event.
- Successful participants will be offered a cash prize of \$500.

Where: 4K Labs, 4000

When: March 1-4, 2012

Web: <https://www.4klabs.com>



# TinyML in research

< October 26 – 28, 2023

SUBMIT PAPER

FOR  
PAPERS

**PAPER SUBMISSION DEADLINE EXTENDED JULY 20, 2023**

## WELCOME TO ICT4DA-2023

Digital Innovation for Sustainable and Inclusive Economic Development

### ICT4DA-2023

The 5th International Conference on Information and Communication Technology for Development for Africa (ICT4DA2023), will take place in Bahir Dar, Ethiopia on October 26 – 28, 2023. ICT4DA2023 aims to bring together researchers, engineers, developers, and practitioners from the academia and the industry to present and discuss their research work in the area of ICT for Development. This conference seeks to facilitate the transfer of experience, adaptation of methods, and where possible, foster collaboration among different groups.

#### Important Dates

- ✓ **Paper Submission deadline**  
July 20, 2023
- ✓ **Acceptance Notification**  
August 15, 2023
- ✓ **Camera Ready Deadline**  
September 15, 2023





# Constraints

- **Budget constraints**
  - **Only one instructor and one mentor is providing all course content**
- **Not Enough time for participants to practice on the device**
- **Pre requisites not fulfilled for domain specific participants**

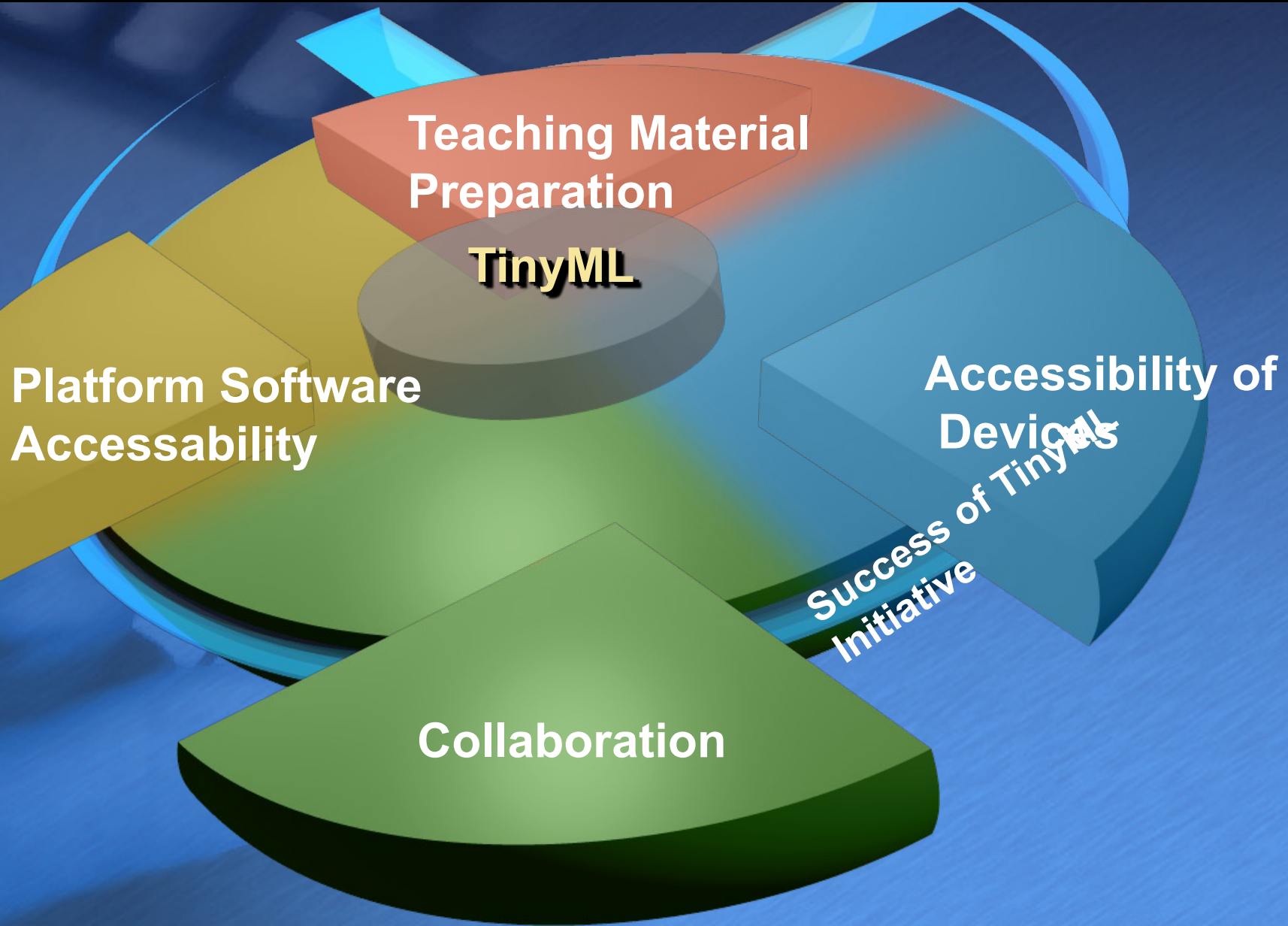
# Recommendations

- Detailed short term training for trainers
  - Summer School
  - Experience sharing sessions
- Extended knowledge that is needed in the area
- Incorporate the TinyML course in the curriculum
- Sustainability plan

# Future Plan

- Organize regional and International Conferences in Ethiopia
  - TinyML Conference for Africa
- Collaborate with ICT4D conferences in Africa and ARM , Ethiopian AI Institute etc...
- Summer schools for trainers
- TinyML Hackathon in Ethiopia and Africa
  - Award the best 3 projects
- Extend domain specific trainings to benefit multi disciplinary collaboration

# Sustainability of TinyML



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THANK YOU

MERCI

DANKE