

# Turning Challenges into Opportunities:

## Research and Education Success Stories During Covid-19

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# Introduction

- Covid-19 has forcefully changed most of the norms in the current world as we know it, and Education has been one of the most affected areas so far.
- As with all the other countries hit with the pandemic Ethiopia has taken rigorous measures to control the spread of the virus, and one of those measures was the suspension of in-person and face-to-face education delivery in all higher educations to promote social distancing to stop the spread of the virus.

## Intro cont . . .

- As a country that heavily depends on face-to-face education delivery and with a low adaptation of online or hybrid learning, the country faced a great challenge in deploying nationwide online platforms and services to aid in online education
- With this sudden shift away from the classroom in many parts of the country, it was really challenging to adapt and continue the education system for most of the students since it wasn't usual on the normal days.

## Intro . . .

- We introduce a nationwide online platform deployed on the cloud technology that aims to deliver course materials to millions of students, students with at least smartphone devices can use the platform from where they are.
- We had to make all universities around the country to push their course materials through the platform based on their departments and academic year so that students can get the exact course materials they were getting from their teachers at school.

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***MIT open course ware***

- >15 Different course materials from MIT

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# Everything comes with challenges

**Challenge #1** Some students without reliable internet access and/or technology struggle to participate in digital learning, some of them haven't the skills to use the technology and there was even a financial issue to cover the basic service to use those digital services such as internet fee.

**Challenge #2** From the infrastructure aspect, it was also challenging for us to handle millions of students with high incoming bandwidth to the server, We had to prepare the infrastructure that could handle such huge requests from the students and make it available 24/7

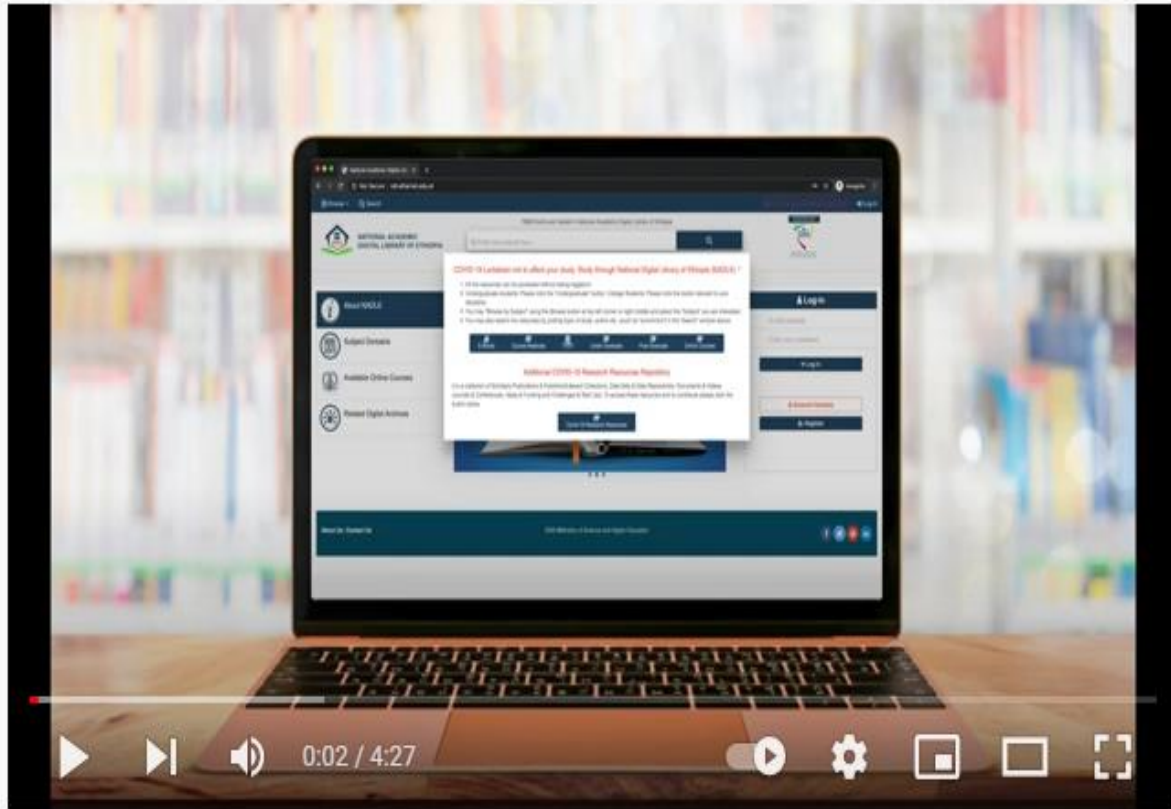
# Challenges Cont . .

## **Challenge #3**

Collecting all the study materials for all types of students couldn't be achieved with in short time of period.

# Overcoming The Challenges

- We break down through the challenges to overcome all the problems.
- We had to prepare the infrastructure that could handle such huge requests from the students and make it available 24/7, We had to also collaborate with the one and only Internet Provider of the country to make it available without service (internet) fee to access the platform which helps students to reach the system at zero cost.
- We had to make all universities around the country to push their course materials through the platform based on their departments and academic year so that students can get the exact course materials they were getting from their teachers at school.



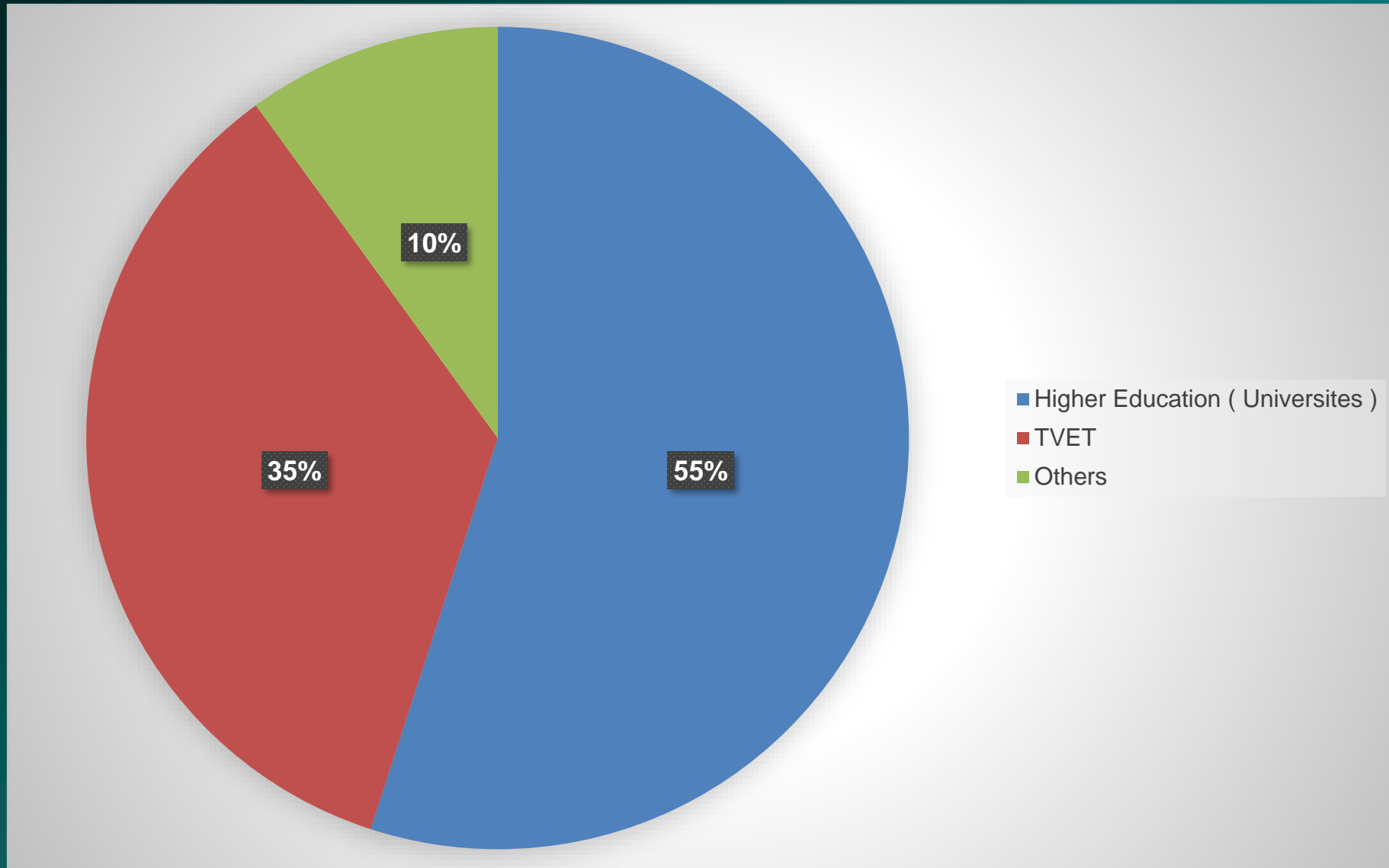
How to Use National Academic Digital Library of Ethiopia

Promoting the platform through different communication medium

## Get Started with NDLE

[https://www.youtube.com/watch?v=DISGbAo6wdY&ab\\_channel=YonatanMekuriaw](https://www.youtube.com/watch?v=DISGbAo6wdY&ab_channel=YonatanMekuriaw)

# Usage Statics



**Thank You !!!**

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