



# **NURTURE PROJECT**

**Nurturing SDGs through Capacity Building of Higher Education in Ethiopia**

**Implementation**  
**July, 2021 – May, 2023**

June 19/2023, Drammen, Norway

<https://www.hu.edu.et/>



Academics & Staff Development



Projector Coordinator



Research & Innovation



Gender & Inclusiveness



EdTI Coordinator



Project Members



Project Assistant & Innovation Support



CACSI Technical Support

- Project Overview
- PO1: Quality Education & Research
- PO2: Capacity and competence of academic staff
- PO3: Small scale infrastructure
- PO4: Gender Equality & inclusion....
- PO5: Outreach: Stakeholders & kn'ge dissemn..
- Fund Use & Audit.
- Attention seeking areas

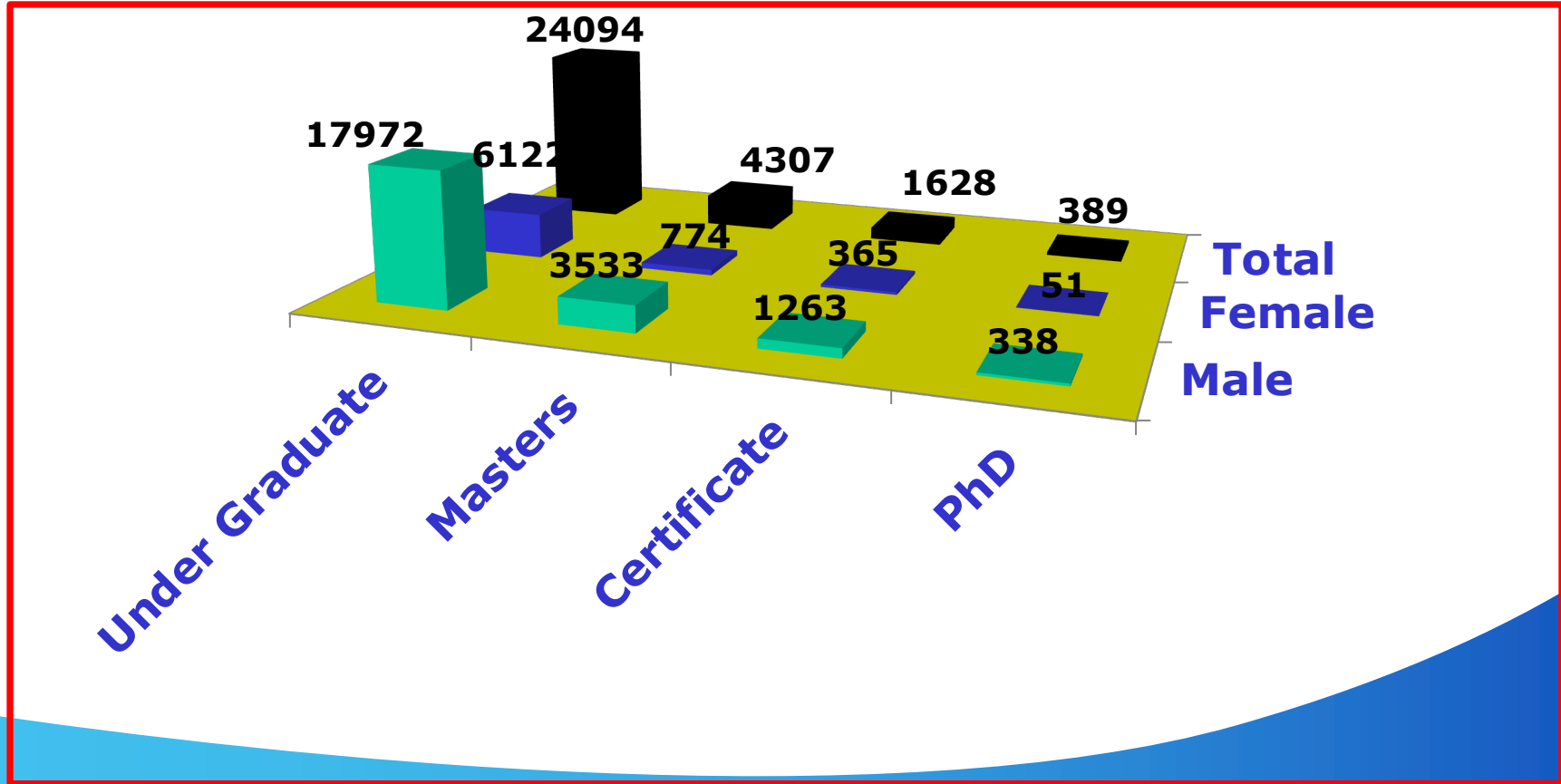


# ሀዋሳ ዩኒቨርሲቲ HAWASSA UNIVERSITY



- ✓ Designated as **Research Univ.**
- ✓ Established in **1976**
- ✓ Has **8 Colleges, 3 Institutes, and 7**  
Campuses in 4 cities & towns
- ✓ Students: **30,418** (2022)
- ✓ Programs: **102:141:54** (2022)
- ✓ Academic staff: **1622M : 473F (22.5%)**

# HU Student number: (30,418)





Main Campus



Bus. & Economics



Technology Institute



Forestry & NR



Medicine & Health Sc.



Agriculture

## Project Info

- Funding Agency: **NORAD**
- Funding Program: **NORHED-II**
- P/Period: **2021 - 2026**
- Consortium: **HU, UoG, JU, AASTU, DMU, USN, UiO**
- Project Leader: **Shegaw A Mengiste (Assoc. Prof. )**
- HU Fund: **1,373,999 NOK**

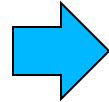
## Internal project Evaluation

(13/06/2023)



## 2021 – 2026 Project Plan

- Output 1.1: New MSc in EdTI (2021)
- Activity 1.1.5.: Announcement of EdTI commencing intake of students (2021)
- Activity 1.1.6: Evaluate the program (2022 – 26)



## 2021 – 2023 Accomplishment

- Development of EdTI program (09/2021 – 01/2023)
- Development of MSc in IS started (09/2021)
- EdTI Internal Review: Mar 25, 2022
- EdTI External Review: May 21, 2022
- EdTI SEC approval: Jan 11, 2023
- EdTI Program launched: Feb, 2023



Developers



External Review



Internal Review



EdTI  
1st  
Batch

## EdTI Curriculum

## EdTI STUDENTS Feedback

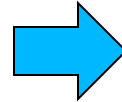
- ✓ Good staff-to-student commn.
- ✓ No computer laboratory and e-learning services.
- ✓ Skill and knowledge gained below expectation.
- ✓ Varying appreciation of instructors about stud background diff'ce.
- ✓ Short semester, late beginning
- ✓ What changes shall we expect in relation to student exchange, etc.

## INSTRUCTOR Feedback

- ❖ Some students need targeted support (ICT, presentation skills)
- ❖ Visit to AAU and regional Edu Bureau for Asst. technologies.
- ❖ Technology facilitation for reducing impact of short and intensive guest lectureship.

## 2021 – 2026 Project Plan

- Output 1.4: Revise Existing Bachelor, MSc & PhD programs (2021)
- Activity 1.4.2: Revise 16 courses at NURTURE Level (2021)
- Activity 1.4.3 : Develop course modules and teaching materials (2021)
- Output 1.5: : Organize co-creation and boot camp seminars for graduate students (2021 – 2026)
- Activity 1.1.6.: Implementing measures to reach **gender balance among students, and gender sensitive curriculum** and training (2021 – 26)



## 2021 – 2023 Accomplishment

- E-learning course resources under development for EdTI
- Experience sharing on joint program management from AAU
- Budget break down approved for **laboratory guide** development for one undergraduate courses.
- Co-creation workshop for graduating and non-graduate female students (**35 female student** Dec 03, 2022)
- **14** female students and **3** tech/Assistants visited software industries



**Staff engagement**



Co-creation opening



Industry practitioner



Virtual experience  
Sharing



Co-creation Participants



Organizers



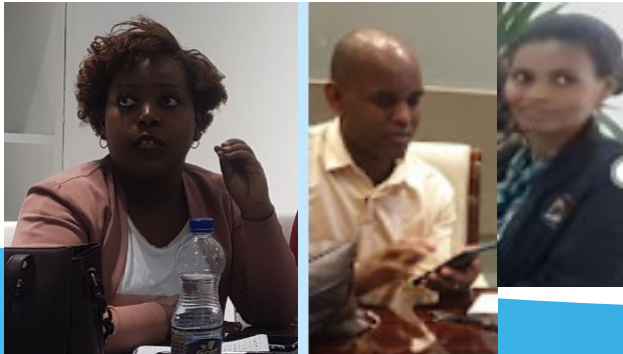
Industry + AASTU visit Participants



Zebib Fekadu · 1st

Computer Science student at Hawassa University  
6mo · 🌐

I was honored to be part of a trip by Hawassa University Informatics faculty through NURTURE project to IE networks solution, Opian tech and AASTU in Addis Ababa. It was such a great experience and good glimpse on what the tech industry ...see more



I was honored to be part of a trip by Hawassa University Informatics faculty through NURTURE project to IE networks solution, Opian tech and AASTU in Addis Ababa. It was such a great experience and good glimpse on what the tech industry looks like in here.

- ✓ The way employees welcome each other and the spirit ...
- ✓ Work plan is reviewed daily
- ✓ Researching companies, government offices and various workplaces
- ✓ Motivational quotes are posted
- ✓ We learned that:
  - ✓ Developing not only hard skills but **also soft skills**
  - ✓ we shall try to ... use what we have ... suitably
  - ✓ we should improve ourselves by taking **tutorials and sharing knowledge {CPD}**
  - ✓ We can establish various **clubs** in the field of technology



E-learning resource development team



# PO1: Quality Education & Research



https://hu-edti.moodlecloud.com

Home Dashboard My courses Site administration

Users Storage

Trial Cloud –based service

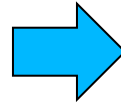
All Search Sort by course name Card

- Foundation of Inclusive Education and Learning ... Compulsory core courses
- Foundations of Service Innovation & Design Compulsory core courses 0% complete
- Fundamentals of Computing Compulsory Elective Courses 0% complete
- Programming in Python Compulsory core courses
- Research Methods in Educational technology and ... Compulsory core courses

https://hu-edti.moodlecloud.com

## 2021 – 2026 Project Plan

- Output 1.6: Establish vibrant inter-disciplinary Research groups (2021 – 2026)
- Output 2.2: Organise short term trainings to admin and tech.staff on LMS, eLearning platforms, content creation and sharing



## 2021 – 2023 Accomplishment

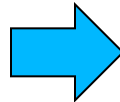
- Two research paper manuscripts developed based on EdTI Need Assessment Survey
- A seminar workshop on e-learning and inclusive education organized along with EdTI external review (May 21, 2022)
- Two-days of training workshop on grant writing.



Staff engagement

## 2021 – 2026 Project Plan

- Output 2.1 : Improved teaching and research capacity for academic and research staff (40 Master and 15 PhD staffs) 2021 - 2026
- Activity 2.1.5.: Facilitate the exchange for selected students
- Activity 2.1.3: Follow up, supervision, support



## 2021 – 2023 Accomplishment

- One staff on study leave (F) participated in 6-month student exchange.
- **[Challenge: Lack of PhD study programs in partner institutions]**



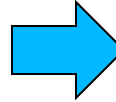
Student Exchange, Azeb & her experience ...



Training Workshop on grant proposal writing (March 24 - 25, 2023)

## 2021 – 2026 Project Plan

- Output 3.1: Better equipped ... technology labs (like IoT, AI) to support advanced teaching and research) 2021 - 2026
- Output 3.2: Enrich adapted technological centre for learning and training for students with sensory impairment
- Output 3.3: Improved access to digital resources and digital content for students and staff using eLearning platforms



## 2021 – 2023 Accomplishment

- Purchased 5 PCs in 2021.
- 4 partitioned Tables with seating capacity of 4 each purchased (2022)
- Two network & PC maintenance kits purchased (2021)
- 3 raspberry pi 400 kit and 5 Mini PCs purchased (2023)
- One projector, curtail, water dispenser, wireless access point purchased. (2022)
- 4 Arduino Uno and 25 sensors purchased for student innovative activities in assistive technologies and environment management (2023)
- **CACSI** formally inaugurated



# PO3: Small scale infrastructure



Increase access to Lab Space

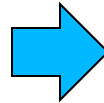
No	Item	Unit	NURTUR E	HU	O/Proje ct	Tot al
1.	PC Server	Pcs.			1	1
2.	Desktop computer	Pcs.	5			5
3.	Office Partitioned Workstation Table	Pcs.	4			4
4.	Chair	Pcs.		26		26
5.	Projector	Pcs.	1			1
6.	Tri-temp water Dispenser	Pcs.	1			1
7.	Curtail	m.	48			48
8.	Wireless Access point	Pcs.	1			1
9.	Name, objective and value boards	Pcs.	3			3
10	PC & Network Maintenance Tool Kit	Pcs.	2			2
11.	Coffee Table	Pcs		2		2
12.	Cupboard	Pcs		1		1
13	Bench	Pcs		4		4
14.	Reading Table (for conference)	Pcs		9		9
15.	Mini-PC	Pcs	5			5
16.	Arduino Uno	Pcs	4			5
17.	Raspberry Pie Kit 400	Pcs	3			4
18.	10 types of Sensors	Pcs	25			25
19.	Monitor (Used)	Pcs		10		10
20	Mouse (original)	Pcs	10			10
21	Electrical divider	Pcs	8			8



Cheaper technological  
alternatives for Computer  
Laboratory

## 2021 – 2026 Project Plan

- Output 4.1.1: Trainings for sensory impaired students on new devices and assistive technologies
- Output 4.2: financial support for economically poor female students provided

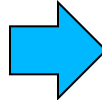


## 2021 – 2023 Accomplishment

- Two motivational events organized focusing on female students (presented before)
- Budget allocated for student club activities.
- Technologies accessories are acquired for building assistive technologies
- Sanitary pads (64) distributed for female students
- HU fresh graduate with acute physical disability assisted to establish himself.
  - to document challenges and support system for disability. in HEIs

## 2021 – 2026 Project Plan

- Output 5.1.1: Stakeholder meetings, seminars on curriculums, job creation and problem-based research
- Output 5.2: New strategic alliance & partnerships with external stakeholders to improve quality of research and teaching



## 2021 – 2023 Accomplishment

- Organized NURTURE Project kick-off event
- Extended UIL activities as part of EdTI & IS need assessment survey and EdTI program promotion
- NURTURE project activities promoted with mainstream media (TV, Radio, and Print), University website and social media
- University higher officials participated in UoG organized NURTURE seminar in Addis Ababa
- A partnership agreement HU-IoT signed with INSA, IE Networks & Opian Technologies implemented as part of NURTURE activities.
- Training workshop co-organized with a private higher Education



# PO5: Stakeholders, outreach & knowledge dissemination





# Fund Use & Audit.



**FOR THE PERIOD JANUARY 1, 2022 TO DECEMBER 31, 2022**

	<b>Budget</b>	<b>Budget</b>	<b>Actual</b>	<b>Actual</b>
	<b><u>NOK</u></b>	<b><u>Birr</u></b>	<b><u>NOK</u></b>	<b><u>Birr</u></b>
<b><u>INCOME</u></b>				
Donation	246,851.00	1,044,835.23	252,085.51	1,332,534.00
Other income	-	-	-	-
Gain(loss) on Exchange/currency translation	-	-	-765.45	=
Total Income	<b><u>246,851.00</u></b>	<b><u>1,044,835.23</u></b>	<b><u>251,320.06</u></b>	<b><u>1,332,534.00</u></b>
<b><u>EXPENDITURES</u></b>				
SALARY/PERSONNEL COSTS	43,851.00	231,798.12	82,926.45	449,000.00
EXTERNAL CONSULTANTS	15,000.00	79,290.59	1,124.77	6,090.00
TRAVEL COSTS	44,667.00	236,111.53	78,467.26	424,856.00
INVESTMENTS	93,333.00	233,333.00	128,098.09	693,579.00
OTHERS	<u>50,000.00</u>	<u>264,301.98</u>	<u>25,644.40</u>	<u>138,850.00</u>
<b>TOTAL EXPENDITURE</b>	<b><u>246,851.00</u></b>	<b><u>1,044,835.23</u></b>	<b><u>316,260.98</u></b>	<b><u>1,712,375.00</u></b>



## INDEPENDENT AUDITOR'S REPORT ON THE FINANCIAL STATEMENT OF HAWASSA UNIVERSITY – NORHED II-NORAD PROJECT NURTURING SDGE THROUGH HIGHER EDUCATION CAPACITY BUILDING IN ETHIOPIA

### Conclusion

We have audited the project report of Hawassa University –NORHED II-NORAD funded project nurturing SDGE through higher education capacity building in Ethiopia, for the period ending December 31, 2022, comprising a statement of expenditures for the period January 1, 2022 to December 31, 2022 showing a received income NOK 252,085.51 total expenditures of NOK 316,260.98 and NORAD/University of South-Eastern Norway funds not spent of NOK 54,631.08, and note 2 describing the basis of accounting for the statement of expenditures.

In our opinion, the project report for Hawassa University –NORHED II-NORAD funded project nurturing SDGE through higher education capacity building in Ethiopia, for the period January 1, 2022 to December 31, 2022, is presented, in all material respects, in accordance with the basis of accounting described in note 2.

Yours faithfully,

Getachew Kassaye & Simon Audit Partnership  
Chartered Certified Accountants





## Finding

3. While we were reviewing the documents of the project, we noted that a cost totaling Birr 29,399.94 which was incurred in the period 2021 were accounted in the year 2022 book of account.

Reference	Description	Amount
JV 801552	Printing	11,400.00
JV 801682	Entertainment	<u>17,999.94</u>
		29,399.94

## Recommendation

We recommend the management of the project to account costs in its proper period or request a go ahead approval from the donor.

## Management Response

[Kathrine Horgen Strømme from USN responded "I talked to the donor ( Norad) and we agreed that you can add the cost to the 2022 account. But please leave a comments about this in the account." in relation to the two costs]

Yours faithfully,

Getachew Kassaye & Simon Audit Partnership  
Chartered Certified Accountants



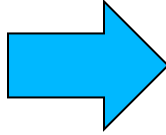
## CHALLENGES

- ✓ Low participation in student exchange: PHD Program
- ✓ Low participation in Research and innovation activities
- ✓ Reliability of institutional ICT infrastructure and connectivity – challenges e-learning
- ✓ High and constantly increasing electronics price:

# Attention seeking areas

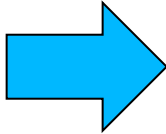
## SUGGESTION

Low student exchange



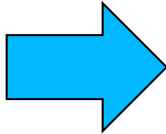
Adopt PhD curr. from UoG; Or review Research-based PhD @HU for Sandwich study

Low engagement in R&D



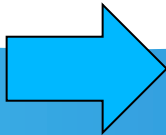
Strengthen seminars; enabling workspace (CACSI)

Unreliable ICT Infrastructure



Combine cloud based services. Service for 1 year; e-Learning course dev't

Surging Local Price & unavailability



Procurement service from Northern partner (?)



**Thank you**

**COMMENT, QUESTIONS, .....**