



Dawit Gedefaw

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Address: Ethiopia, +26, Bahir Dar, Ethiopia (Work)

● ABOUT ME

I am a motivated and dedicated Mechanical Design Engineering postgraduate from Bahir Dar Institute of Technology (Bahir Dar University), where I earned a Master of Science degree in Mechanical Design. Currently, I serve as a Lecturer and Academic Researcher at Bahir Dar Institute of Technology (BiT)

● WORK EXPERIENCE

06/11/2021 – CURRENT Bahir Dar, Ethiopia

LECTURER IN MECHANICAL ENGINEERING BAHIR DAR UNIVERSITY, INSTITUTE OF TECHNOLOGY (BIT)

- Teaching undergraduate students.
- Participating in community Projects
- Participating and monitoring faculty seminars
- Conducting academic research in the areas of Mechanical and Thermal Engineering.

Business or Sector Education | **Department** Faculty of Mechanical and Industrial Engineering |

Address Ethiopia, +26, Bahir Dar, Ethiopia | **Email** bduinfo@bdu.edu.et | **Website** www.bit.bdu.edu.et/fmie

13/02/2016 – 22/06/2016 Addis Abeba, Ethiopia

METALS AND ENGINEERING CORPORATION(METEC)-CURRENT NAME-NATIONAL METAL ENGINEERING CORPORATION(NMEC) METEC

Four months industrial internship in the Research and Development Department of Hibret Industries subsidiary of METEC

1. Participating in manufacturing machines maintenance
2. Worked on a design project of a fixed gantry crane for the assembly section of the workshop

● EDUCATION AND TRAINING

12/10/2017 – 14/07/2021

MASTER OF SCIENCE DEGREE IN MECHANICAL DESIGN Bahir Dar University

1. Advanced Finite Element Method
2. Design Optimization with Engineering Application
3. Advanced in Mechanics of Material
4. Advanced Tribology
5. Advanced Vibrations
6. Advanced Mechatronics
7. Fracture Mechanics

Website www.bdu.edu.et | **Field of study** Mechanical Design | **Final grade** 3.37 | **Level in EQF** EQF level 6 |

Type of credits ECTS |

Thesis NUMERICAL INVESTIGATION OF SANDWICH PANEL WITH FUNCTIONALLY GRADED STYRENE ACRYLONITRILE FOAM CORE FOR BLAST PROTECTION OF URAL-4320

11/10/2017 – 28/06/2018

HIGHER DIPLOMA IN PEDAGOGY Bahir Dar University

Website www.bit.bdu.edu.et

30/09/2012 – 23/06/2017 Bahir Dar, Ethiopia

BACHELOR OF SCIENCE DEGREE IN MECHANICAL ENGINEERING Bahir Dar University, Bahir Dar Institute of Technology (BiT)

1. **Strength of Materials and Machine Elements,**
2. **Mechanism of Machinery,**
3. **Thermodynamics and Heat Transfer,**
4. **Finite Element Methods and Mechanical Vibration,**
5. **Fluid Mechanics, I.C Engines and Reciprocating Machines.**

Address Ethiopia, +26, Bahir Dar, Ethiopia | **Website** www.bit.bdu.edu.et | **Field of study** Mechanical Design | **Final grade** 3.69 |

Level in EQF EQF level 6 | **Type of credits** ECTS | **Number of credits** 302 |

Thesis Design and Simulation of Automated Storage & Retrieval System (ASRS)

17/09/2010 – 29/06/2012

UNIVERSITY ENTRANCE QUALIFICATION CERTIFICATE Bahir Dar Academy

- **Mathematics,**
- **Physics**
- **Biology**
- **Chemistry**

Address Bahir Dar, Ethiopia | **Field of study** Natural sciences, mathematics and statistics not further defined |

Final grade 504/700

05/03/2024 – 24/03/2024 Arizona

MASTER CLASS FOR TEACHING ONLINE (OPEN EDX) Arizona State University

Website https://badgr.com/public/assertions/KC4H2ZCaRG62MisCzLVbXA?identity_email=dawit.molla@bdu.edu.et&action=download

Field of study Education

24/08/2024 – 23/09/2024

DATA ANALYSIS FUNDAMENTALS www.udacity.com

Website <https://www.udacity.com/certificate/e/1eb1c04a-5a20-11ef-9af1-9bd652fd3038>

● LANGUAGE SKILLS

Mother tongue(s): **AMHARIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

ANSYS | Familiar with ABAQUS | Python Language - Basic knowledge | SolidWorks | LaTeX (very good) | Microsoft(Microsoft Word, Microsoft PowerPoint, Microsoft Access, Microsoft Excel) | Google (Google Meet, Google Docs, Google Classroom, Google Forms, Google Drive, Google Slide)

● **JOB - RELATED SKILLS**

07/07/2017 – CURRENT

Lecturer and Academic Researcher

1. Good ability to give prolonged lectures and laboratory demonstrations.
2. Conducting research in the areas of advanced materials, mechanical system design.
3. Trainer in Design Thinking Methodology

29/11/2022 – 30/11/2023

Faculty Website Administrator

1. Administrating and content writing on the faculty website