

KASSAHUN JEMBERU ABEBE

Assistant Professor of Mechanical Design Engineering

 Addis Ababa, Ethiopia

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ABOUT ME

Results-oriented mechanical engineer with 10 years' experience in the field and entrepreneur. possesses strong creative, cooperative, and tolerance skills. experienced in training and advising, research and project, project management, business plan development, business development services, and preparation of modular materials.

EDUCATION

Masters of Science in Mechanical Design Engineering,
BAHIR DAR UNIVERSITY 2018

Bachelor of Science in Mechanical Engineering,
JIMMA UNIVERSITY 2014

Higher Diploma in Teacher Education
DEBRE MARKOS UNIVERSITY 2019

EXPERIENCE

SAINT MANUFACTURING PLC

FOUNDER & CEO [2023 - Present]

- At Saint Manufacturing PLC, I play a pivotal role in overseeing the day-to-day operations of the company, ensuring efficient production, quality control, and effective supply chain management of agricultural machinery.

DEBRE MARKOS UNIVERSITY

ASSISTANT PROFESSOR & RESEARCHER [2022 - Present]

- Conducting research in the field of Mechanical Engineering.
- Publishing research papers in reputable journals.
- Mentoring graduate students in their research projects.
- Teaching undergraduate courses in Mechanical Engineering.

SCHOOL VICE DEAN [2022 – 2023]

- Oversaw the academic and administrative functions of the school.
- Collaborated with faculty and staff to develop and implement strategic plans and initiatives.
- Managed budgetary and resource allocation processes.
- Provided guidance and support to students regarding academic and career development.

STREAM CHAIR [2018 – 2020]

- Led the Mechanical Design Engineering department, overseeing curriculum development, faculty recruitment, and student advising.
- Implemented innovative teaching methods to enhance student learning and engagement.
- Collaborated with industry partners to develop industry-focused projects and internships for students.
- Organized workshops and seminars to promote knowledge sharing and professional development among faculty and students.

LECTURER, RESEARCHER [2014 – 2021]

- Taught undergraduate courses in Mechanical and Industrial Engineering.
- Developed course materials and assessments.
- Advised and mentored students on academic and career development.
- Conducted research in the field of Mechanical and Industrial Engineering.

PROFESSIONAL DEVELOPMENT & TRAINING

Participated in and successful completion of the BIC Ethiopia catalyzer Programme Mini MBA master class held from September 18/2024 to December 20/2024.

Certificate of achievement the completion of the SEED cohort two startup incubation program on Basic of Business *Development Training and Consultation, Project Development and Masterclass* offered by Orbit Innovation Hub.

Participated on the *Business Development Training* of the 2nd Round “Tatariwochu” Entrepreneurship held during the period April 01 – 05/2024.

Completed the 5-day *BDS Providers' Capacity Enhancement Program* hosted by UNDP Ethiopia through it's Indicative Finance Lab Ethiopia in partnership with the "Private Sector Development in Ethiopia" (PSD-E) project that is implemented by GIZ on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ) from December 04 – 08, 2023.

Successfully completed *Entrepreneurship Training Workshop (ETW)* held in Addis Ababa from October 16-21, 2023. A training organized by Entrepreneurship Development Institute (EDI)-Ethiopia in partnership with Federal TVT Institute.

Training completed for *Entrepreneurship, Prototype Development, Pitching Skills, and Legal Business Setup* organized by the Ministry of Labor and Skill (MoLS) implemented by Entrepreneurship Development Institute (EDI).

Participated 2023 *Summer Camp for Technology Improvement and Innovation Training* organized by the Ministry of Labor and Skills implemented by Entrepreneurship Development Institute (EDI) and Federal TVT Institute.

PUBLICATION & CONFERENCES

Micro-structure and mechanical behavior of Ti-6Al-4V matrix reinforced with WCp developed by squeeze casting. [*Journal of Nanomaterials, 2022*]

Machine Learning-Based Image processing for online Defect Recognition in Additive Manufacturing. [*International Journal of Mechanical Engineering, 2022*]

Experimental Investigation of Shot Blasting Process Parameters On Duplex Steel using Desirability Function Analysis. [*Journal of the Balkan Tribological Association, 2021*]

I present a poster on the design and fabrication of a corn Sheller machine at the *DMU-ASTSD-21* conference. The poster highlighted the innovative features and functionality of the machine, showcasing its potential impact on agricultural practices.

I present a paper at the *DMU-11th National Conference*, focusing on a specific topic within the field of Mechanical Engineering. The presentation provided insights into recent research findings and their implications for the industry.

AWARD & CONTRIBUTION

Entrepreneurship & Innovation Award

- **ORBIT Innovation Hub**, AgriTech stakeholder symposium pitching competition, to present Maize shelling and Multi-Grain thresher machine placed in 2nd Winner.
- **BRUH Ethiopia 2023** Entrepreneurship & Innovation Award Organized by ministry labor and skill and organized by Entrepreneurship Development Institute.

Completed and Transfer Projects

- Design and Manufacturing of Corn Shelling Machine.
- Charcoal Briquettes Machine (Crusher and Mixing Machine).

Contribution to community services

- Preparing Tapla for historical places organized by DMU Research and community service president office.
- Design and fabrication of Trolley, Sanitizer Dispenser, Coaching Bed for COVID-19 prevention that arranged by DMU.

Training Achievement and certification

- University recognition for specification and document preparation of furniture and machine.
- Certificate of Trainer for *Gender and Life Skills* Organized by Debre Markos University Gender and Equality Office.
- Certificate of *Program Level Quality Audits* Organized by Debre Markos University Education Quality Office.

LANGUAGE

Amharic (Native)
English (Fluent)

SKILLS

Microsoft Office	Curriculum Development
Solid Work (CAD)	Training Workshop
Computer Aided Interactive	Management
Application (CATIA)	Project Management
Product Development	Resource Allocation
Teaching & Research	Entrepreneurship
Research Paper	Innovation
Prototype (Manufacturing)	PDS Provider

CERTIFICATES

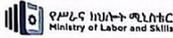
CERTIFICATE
Of Completion

This certificate is presented to

Kassahun Jemberu

For successfully completing the **5-day BDS Providers' Capacity Enhancement Program** hosted by the UNDP Ethiopia through it's Innovative Finance Lab Ethiopia in partnership with the 'Private Sector Development in Ethiopia' (PSD-E) project that is implemented by GIZ on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ).

December 4, 2023 - December 8 , 2023



CS CamScanner



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ENTREPRENEURSHIP DEVELOPMENT
INSTITUTE (EDI) - ETHIOPIA



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FDRE TECHNICAL & VOCATIONAL
TRAINING INSTITUTE

CERTIFICATE OF PARTICIPATION

AWARDED TO

KASSAHUN JEMBERU ABEBE

For successfully completing the
Entrepreneurship Training Workshop (ETW)
held in Addis Ababa,
from **October 16 - 21,2023.**

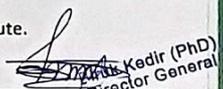
A training organized by:
Entrepreneurship Development Institute (EDI) - Ethiopia
in partnership with FDRE Technical and Vocational Training Institute.



Dr. Hassen Husseln
Director General
Entrepreneurship Development
Institute (EDI) - Ethiopia







Dr. Biruk Kedir (PhD)
Director General
FDRE Technical and Vocational
Training Institute

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This Certificate is presented

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To Kassahun Jemberu

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For successfully completing the 15 days Entrepreneurship, Prototype Development, Pitching Skills, Legal Business Setup trainings and being the winner of the 2023's Bruh Innovative Business Idea Competition organized by the Ministry of Labor and Skills and implemented by the Entrepreneurship Development Institute. From June 05-19, 2023. Burayu Talent Development School

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Dr. Hassen Hussein
Director General
Entrepreneurship Development
Institute (EDI) - Ethiopia



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ENTREPRENEURSHIP DEVELOPMENT
INSTITUTE (EDI) - ETHIOPIA

TATARIWochu
 Empowering The Visionaries

AwashBank
 Nurturing Like The River

QAXALEEWWAN
 Empowering The Visionaries

Certificate of Recognition

This is to Certify that KASSAHUN JEMBERU ABEBE has fully Participated on the Business Development Training of the 2nd Round "Tatariwochu" / "Qaxaleewwan" Entrepreneurship Competition held during the Period 01/04/2024 - 07/04/2024

Yohannes Merga
 Senior Chief, Marketing Officer

23
 International Bank S.C.

Hailu Meskela
 Director, Learning & Talent Development

CERTIFICATE

OF PARTICIPATION



This certificate is presented to :

Kassahun Jemberu

It is with great pleasure that BIC Ethiopia presents you with this award in recognition of your participation in and successful completion of the BIC Ethiopia Catalyzer programme Mini MBA master class held from September 18/2024 to December 20/2024

Patricia Jumi

Patricia Jumi
Executive Director & Co-Founder
GrowthAfrica



Co-funded by
the European Union

