

Name	Tewodros Gera (MSc)
Education (Degree, discipline, institution, year)	<ul style="list-style-type: none"> ✓ BSc: Electrical and Electronics Technology and Bridged to Electrical Engineering with great Distinction ✓ MSc: Power Systems Engineering ✓ PhD: Null
Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate), when (ex. 2002-2007), full time or part time	<ul style="list-style-type: none"> ✓ Assistant Lecturer starting from March 2008 to July 2010. ✓ Lecturer starting from July 2010 to now ✓ Chair holder of control and instrumentation --- 23/03/2011-22/03/2012 ✓ Program Manager of SCEE -- -03/07/2011-30/11/20013 ✓ Chair holder of Power and Energy--22/02/2018-20/03/2019 ✓ Dean of Electrical and Computer engineering Faculty----10/02/2020-present
Current membership in professional organizations	ESEE-Ethiopian Society of Electrical Engineers
Honors and awards	<ul style="list-style-type: none"> ✓ Three times academic honors awards during undergraduate studies
Service activities (within and outside of the institution)	<ul style="list-style-type: none"> ✓ Actively engaged in community service activities, research projects and teaching learning sectors both in and out of the university.
Briefly list the most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation	<p>Projects:</p> <ul style="list-style-type: none"> ✓ Development of Automatic Sprayer Machine to Combat Swarms of Desert Locust in Ethiopia (October, 2020). ✓ Design and Manufacturing of Low-cost Solar Panels for Energy deprived Rural Areas of Ethiopia (September, 202-March, 2021). ✓ Technical support on solar water pumping for irrigation- Oct , 2019 ✓ Automatic water tap design and implementation - July, 2020 ✓ Electromechanical challenges and solutions - September , 2018 <p>Research Papers</p> <ul style="list-style-type: none"> ✓ Rural electrification planning using Geographic Information System (GIS), Cogent Engineering Journal, <i>doi.org/10.1080/23311916.2020.1836730</i>. ✓ Samuel Lakeou, TassewTadiwoseZewdie, Tewodros Gera,:Development of Solar power Water pump systems at Gonji Kolela-28th European Photovoltaic Solar Energy Conference and Exhibition,

	<ul style="list-style-type: none"> ✓ Abraham Hizkiel Nebey,1 BiniyamZemene Taye,1 and Tewodros Gera Workineh1:Site suitability analysis of Solar PV Power generation in South Gonder, Amhara Region, Journal of Energy,2020 ✓ Yetayew, Tefera T , Gera, Tewodros a comprehensive review and evaluation of classical mppt techniques for a photovoltaic system- icast2020-Accepted, https://icastconf.eai-conferences.org/2020/accepted-papers ✓ Mandefro, Elias , Bantyriga, Belachew , Yisaye, Nebiyu , Gera, Tewodros :Loss Reduction of Radial Feeders Using Optimal Allocation of PV –Generation- ICAST2020-Accepted, https://icast-conf.eai-conferences.org/2020/accepted-papers/ ✓ Gera, Tewodros ; Egziabher, Assefa G ; Yetayew, Tefera T: Modeling and Analysis of Three-phase Inverter for Induction Motor Drive for three-wheel Electric Vehicle ApplicationICAST2020-Accepted,https://icast-conf.eai-conferences.org/2020/acceptedpapers/ ✓ Abraham Hizkiel Nebey, BiniyamZemene Taye, and Tewodros Gera Workineh :GISBased Irrigation Dams Potential Assessment of Floating Solar PV System. Journal of Energy,2020 ✓ Tewodros Gera, Abraham Hizkiel Nebey, BiniyamZemene Taye and Elias Mandefro:PI-like Fuzzy based Synchronous SEPIC converter control for PV fed small scale Irrigation DC pump, cogent Engineering, 2020. ✓ Biniyam Zemene Taye, Abraham Hizkiel Nebey & Tewodros Gera Workineh:Design of floating solar PV system for typical household on Debre Mariam Island, cogent Engineering, 2020.
Briefly list the most recent professional development activities	<ul style="list-style-type: none"> ✓ Doing different research and physical projects to meet the sustainable development goals of Ethiopia, as well as teaching and advising BSc students.