



Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



Sl. No. : **10783**

Reg. No. : **17REEE1015**

The Board of Management of
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of
Science and Technology (Deemed to be University)

hereby makes known that

WONDWOSSEN ASTATIKE HAILE

S/O MEKELLE

has been admitted to the Degree of

Doctor of Philosophy

in

ELECTRICAL AND ELECTRONICS ENGINEERING

having been certified by duly appointed examiners to be

qualified to receive the same in the year **JUN-2021**

in accordance with the provisions of

UGC Regulations 2016 (for the award of Ph.D. Degree)

Title of the Thesis:

**EVALUATION AND MITIGATION OF POWER QUALITY PROBLEMS IN THE
ETHIOPIAN ELECTRIC POWER SUPPLY SYSTEM**

Given under the seal of this Deemed to be University

Dated : 06-NOV-2021

Registrar



S. Salim
Vice Chancellor



Chancellor



Vel Tech
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CR
15/6/2021

PROCEEDINGS OF THE Ph.D. ORAL EXAMINATION OF Mr. WONDWOSSEN ASTATIKE HAILE (REG. NO. 17REEE1015) HELD AT 10.30 A.M. ON 07-06-2021 THROUGH ONLINE MODE AT VEL TECH RANGARAJAN Dr. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY, AVADI, CHENNAI-600062.

The Ph.D. Oral Examination of Mr. Wondwossen Astatike Haile (Reg. No. 17REEE1015) on the thesis "Evaluation and Mitigation of Power Quality Problems in Ethiopian Electric Power Supply System" has been conducted on 07-06-2021 at 10.30 A.M., through online mode using Google Meet.

Members Present

1. Dr. S. Nagarajan
2. Dr. S. Himavathi
3. Dr. P. Chandrasekar

Indian Examiner
Subject Expert
Supervisor & Convener

The research scholar Mr. Wondwossen Astatike Haile (Reg. No. 17REEE1015) has presented the salient features of his research work. The members of the Board and audiences have posed the questions related to the subject. The questions raised by the Foreign and Indian Examiners have also been put to the scholar. The scholar has answered all the questions from the Board Members and the audiences. The scholar's performance in the Ph.D. Oral Examination is **Good**.

Based on the scholar's research work, oral presentation, clarifications and answers to the questions from the Examiners and audiences, the Board unanimously recommends to accept the Ph.D. Thesis for the award of Degree of Doctor of Philosophy in the School of Electrical and Communication, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to Mr. Wondwossen Astatike Haile (Reg. No. 17REEE1015).

1		Indian Examiner (Dr. S. Nagarajan)
2		Subject Expert (Dr. S. Himavathi)
3	 Dr. P. Chandrasekar Head of the Department Electrical and Electronics Engineering	Supervisor & Convener (Dr. P. Chandrasekar)

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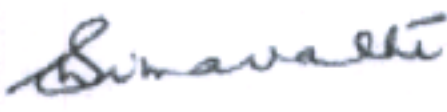
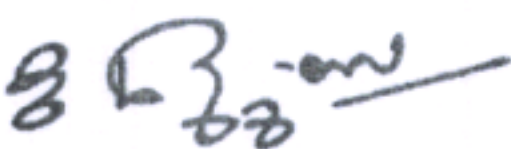
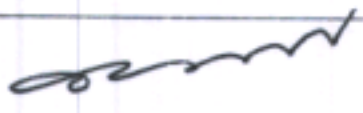
Signature
15/7/21

REPORT OF THE BOARD OF EXAMINERS FOR THE PH.D PUBLIC ORAL EXAMINATION OF Mr. WONDWOSSEN ASTATIKE HAILE (REG. NO. 17REEE1015), FULL-TIME RESEARCH SCHOLAR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, VEL TECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY, AVADI, CHENNAI- 600062.

The Public Viva-Voce examination of Mr. Wondwossen Astatike Haile (Reg. No. 17REEE1015) on his Ph.D thesis entitled "Evaluation and Mitigation of Power Quality Problems in Ethiopian Electric Power Supply System" submitted for the award of Ph.D degree in the Department of Electrical and Electronics Engineering of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology has been conducted as per the following schedule:

Date	:	07-06-2021, Monday at 10.30 a.m.
Mode	:	Online – Google Meet
Meeting Link	:	meet.google.com/uwx-byqo-szv
Indian Examiner	:	Dr. S. Nagarajan, Principal and Professor, Department of EEE Surendra Institute of Engineering and Management, West Bengal
Subject Expert	:	Dr. S. Himavathi, Professor, Department of EEE, Pondicherry Engineering College, Puducherry
Supervisor and Convener	:	Dr. P. Chandrasekar Professor and Head, Department of Electrical and Electronics Engineering, Vel Tech

Based on the candidate's exposition of his thesis and his answers to the questions raised by the examiners and other participants, the Board of Examiners have resolved to recommend that the performance of the candidate in his Ph.D. Oral Examination is **Good** and declare to have passed his Ph.D. Oral Examination and further recommend the award of Ph.D degree in of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology to the candidate.

		 Dr. P. Chandrasekar Head of the Department Electrical and Electronics Engineering
Subject Expert (Dr. S. Himavathi)	Indian Examiner (Dr. S. Nagarajan)	Supervisor & Convener (Dr. P. Chandrasekar)