




CURRICULUM VITAE

PERSONAL DETAILS

Name: Hamisi Ramadhan Mubarak
Nationality: Ugandan
Phone: +1 720 877 3836;
Email: ramadhan.hamisi@colorado.edu ; hamisiramadhan@iut-dhaka.edu
 <https://orcid.org/0000-0003-0160-0270>

EDUCATION BACKGROUND

- 1995-2002** **Primary Leaving Examination (PLE) issued by Uganda National Examination Board (UNEB)**
Grades: Division 2
Duration: 7 Years
- 2002-2006** **Uganda Certificate of Education (UCE) issued by UNEB**
Grades: Division 1
Duration: 4 Years
- 2006-2008** **Uganda Advanced Certificate of Education (UACE) issued by UNEB**
Grades: 17/25
Duration: 2 years
- 2009 – 2012** **Higher Diploma in Computer Science and Engineering at Islamic University of Technology, Bangladesh**
CGPA 3.65 out of 4.00 (*1st Class with honors*)
Class Rank: 2nd
- 2012 – 2013** **Bachelor of Science in Technical Education with specialization in Computer Science and Engineering at IUT, Bangladesh**
CGPA 3.95 out of 4.00 (*1st Class with Honors*)
Class Rank: 1st
- 2015 – 2016** **Masters of Science in Technical Education with specialization in Computer Science and Engineering at Islamic University of Technology (IUT), Bangladesh**
CGPA 3.95 out of 4.00 (*1st Class with Honors*)
Class Rank: 1st
*Department **Gold Medalist** of Academic year 2015-2016

List of Publications

Book/Book Chapters

1. Kassim, Thalakarathne, Mubarak & Abdullatif (2022, press), Chapter : “Cybersafe Capabilities and Utilities for Smart Cities”, Springer [in press, 2022-book chapter]
2. Asuma, B., Khan, M. S. H., **H.R. Mubarak** (June 1, 2021), Chapter: “*Integrating Web-based Learning in Uganda: Possibilities and challenges*” in the book of Digital Literacy and Socio-cultural Acceptance of ICT in Developing Countries”, to be published by: **Springer Signals & communication**, ISBN 978-3-030-61088-3.

3. **H.R. Mubarak(2018)**, chapter: “*Introduction to Cyber Security*” in the book of Cyber Security and Ethics: Knowledge, skills and pedagogy (Training manual and resource book). Skills & Training Enhancement Project (STEP), Published by: Dept. of Technical and Vocational Education (TVE); Islamic University of Technology (IUT), Bangladesh.

Peer Reviewed Referred Journals

1. **H.R. Mubarak et al. (2021)**, "A Solar-Powered Semi-Autonomous Greenhouse Management Framework," *IEEE PES/IAS PowerAfrica, 2021*, pp. 1-5, doi: 10.1109/PowerAfrica52236.2021.9543401.
2. **Lubega et al. (in the press, 2022)**, “RFID-Cloud Integration for Smart Management of Public Car Parking Spaces”, *International Journal of Computer Science & Information Technology (IJCSIT)*.
3. **H.R. Mubarak** and S. H. Khan (**March, 2022**). “Variations in students’ conceptions of good teaching in engineering education: a phenomenographic investigation.” *European Journal of Engineering Education*, Doi: 10.1080/03043797.2022.2049216
4. F. A. Haolader, W. Hakim1, K. Kasim and **H.R. Mubarak (2017)**. *A Comparative Study on the Academic Performance of Students in Bachelor’s Degree of Information Technology Having Arts and Science Background in Uganda*. *World Journal of Educational Research* ISSN 2375-9771 (Print) ISSN 2333-5998 (Online), Vol. 4, No. 2, 257 – 273. March 2017, www.scholink.org/ojs/index.php/wjer.

Conference Papers (Peer Reviewed)

1. **H. R Mubarak, & Khan, M. S. H. (2017)**. *Students’ Conception of Good Teaching in Engineering Education of Bangladesh*, Paper presented at 1st International GCSTMR Congress, Dhaka, Bangladesh, 04 - 05 February **2017**.
2. **H.R. Mubarak (2020)**. *Integration of Learning Management system in TVET*, Paper presented at International Conference on Skills Readiness for Achieving SDGs & Adopting IR 4.0 organize by Institution of Diploma Engineers, Bangladesh (IDEB) & Colombo Plan Staff College (CPSC), Manila, at Dhaka, Bangladesh, 02-04, February, 2020.

Project Report

1. **Project Title (2021)**: “Empowering women and people with disabilities through skills training on computer graphics design (CGD)”, supported by a grant received through the **Australia Awards program (AUSAID Project)** in Bangladesh and IUT is a partnering university. **Role** : Learning designer (voluntary Work)
2. Khan, M. S. H., Clement, C. K., **H.R. Mubarak** (2018) *Skills Development in the OIC Member Countries: Vocational Education. Standing Committee for Economic and Commercial Cooperation of the Organization of Islamic Cooperation (COMCEC)*, **Turkey**.
Khan, M. S. H., Clement, C. K. , Shamim, M. R. H & **H. R. Mubarak**(2018) *Cyber Security and Ethics: Knowledge, skills and pedagogy (Training manual and resource book)*. Skills & Training Enhancement Project (STEP), Published by: Dept. of TVE; IUT, Bangladesh.

Masters' Thesis supervised

Academic year 2020-2021:

1. Thesis Title: *An investigation of the challenges and issues influencing student's use of cloud computing in Higher Education: Student's perception* [Under supervision **Ugandan student**]

Academic year 2019-2020:

2. Thesis Title: *Students' perceptions of the causes of poor academic performance in engineering: a case of IUT* [supervised **Yemen student**]
3. Thesis Title: *Learning Styles of Engineering Students: A Case of Islamic University of Technology* [Co-supervised a **Ugandan student**]

Academic year 2018-2019:

4. **Thesis Title:** *Teacher's Perception on Availability of E-learning Opportunities for TVET Program in Yobe State Tertiary Institution in Nigeria.* [Co-supervised **Nigerian student**]
5. **Thesis Title:** *The Current State of Practices of Cameroon's TVET Institutions: Case of Northern region of Cameroon.* [Co-supervised a **Cameroonian student**]

WORKING EXPERIENCE

2014-2015 Lecturer at Department of Computer Science, Islamic University in Uganda (IUIU), Uganda

Subjects taught: Network Administration, Informational Technology, Database management, Programming C & Java.

2015-2016 Graduate Research Assistant at department of Technical Education, Bangladesh

Area of focus: a framework of interactive online learning for Africa; and Mobile learning.

Responsibilities: writing literature review; transcribing interview scripts; and analyzing the data collected.

2017-2018 Lecturer at Department of Computer Science, Islamic University in Uganda (IUIU), Uganda

Subjects taught: CCNA networking, Internet computing, software Engineering and structured programming.

2018–2021 Lecturer at Department of Technical Education, at Islamic University of Technology (IUT), Bangladesh

Subjects taught: Engineering Ethics, ICT in TVET, Methods and Techniques of teaching, Engineering Management, Technical Report Writing, Curriculum Development, Administration and Supervision, Occupational Analysis and Course Construction, Observation and Practice Teaching Lab

2021-Todate Assistant Professor at Department of Technical Education, at Islamic University of Technology (IUT), Bangladesh

Subjects taught: Engineering Ethics, ICT in Education, Fundamentals of Computer, Methods and Techniques of teaching, Engineering Management, Technical Report Writing, Occupational Analysis and Course Construction, Principles of Technical and Vocational Education, Observation and Practice Teaching Lab

CERTIFICATIONS & AWARDS

Certification

2014-ToDate: Cisco Certified Network Associate (CCNA) Instructor

2016-ToDate: Diploma in Project Management, **Validation ID:** IBD151126550

2020 Certificate

- **Certificate:** Programming for everybody (getting started with **Python**)
Institution: University of Muchigan (USA)
- **Certificate:** Python Data Structures
Institution: University of Muchigan (USA)
- **Certificate:** Using Python to Access Web Data
Institution: University of Muchigan (USA)
- **Certificate:** Data Analysis **with R**
Institution: Department of Business and Technology Management at Islamic University of Technology (IUT)

Academic Honors and Awards

- 2009-2013: Undergraduate Award (*fully funded scholarship*),
Fully funded by Organization of Islamic Cooperation (OIC)
- 2014-2016: Graduate Award (*fully funded scholarship*),
- 2015-2016: Gold Medal for obtaining an **outstanding** academic performance.
- 2016-2017: Instructor Excellence Award, Awarded by CISCO Networking Academic in recognition of advanced level **instructor excellence** and overall contributions to CISCO.
- 2018-2019: **Best Football Manager** of Academic year 2018-2019 for **managing** departmental team to work championship.
- 2021-2022 : University Research Seed Grant, project titled “*Towards implementation of Outcome-Based Education (OBE) in Engineering Educ at IUT: An In-depth Investigation*”, value-**\$3000**

Service as Reviewer on international journal

Since 2020: Journal: International Journal of Smart Technology and Learning (reviewed 2 papers)

University Service

2018- To Date: Member Secretary, Environment and Security committee

2018-2019: Jointly coordinated of an international workshop titled “*International Workshop on Empowering the Youth: **Leadership** & Entrepreneurship development*”

2019-2020: Coordinator of online academic activities coordination committee (OAACC) in TVE

- Member secretary of Corona Virus Task Force Committee (CVTFC);
- Member of anti-ragging, anti-violence and zero tolerance to immodesty committee
- Member secretary of Anti-Sexual harassment committee
- Coordinator, LMS and website supervising and monitoring committee
- Coordinator, LMS faculty (full time and part-time teachers) training webinar
- Class and Exam routine coordinator academic year 2019-2020
- Diploma Student’s advisor
- Coordinator, Undergraduate Industrial training attachment

Voluntary University Service

In addition to my teaching responsibility, I took the initiative to introduce LMS amidst pandemic to assist the university to adjust with the corona challenges. The followings were some of the extra work done:

- Developed, maintaining and updating university LMS
- Trainer of trainees in LMS (professional development program for all University teachers)
- Preparing Video tutorial –over 40 tutorials for all users (Teachers, students and administrators)
- Preparing and circulating User manuals for LMS
- Providing prompt assistance for any issue arising of LMS

Voluntary Experience

2020-2021: Online Interactive Learning Platform with Inbuilt Learning Analytics –**Uganda,**
as a **Senior analyst and Designer.**

2014-2015: Computer trainer at Namengo Lugazi (home village) community outreach – **Uganda**

2013-2014 (6 months): Trained IT student from different universities in Uganda hands-on on network and Troubleshooting activities (CISCO devices)

SKILLS

Sports

As a student: Inter-Departmental Basket Ball **Champion** 2016

As a teacher: Football manager 2019 (Inter departmental football Champion)

Applications

- a) Moodle Admin, SPSS (intermediate level)
- b) Database: Oracle, MySQL
- c) **Programming:** java, C++, C, Web programming(PHP, Javascript, JSP& servlet).
- d) **Applications developed:** Desktop Application (munyonyo School system), and web based application
(**Selected developments** :lms.iutoic-dhaka.edu)
- e) **Languages:**
 - a) English: (intermediate) reading, writing and speaking
 - b) Swahili : Fluent in reading and speaking
 - c) Arabic : Working Knowledge