

## MUSTAFA TAREQ ABD



## GET IN CONTACT



WhatsApp: +9647500250912



mstfman@gmail.com



Mobile: +9647500250912

<https://p89127.wixsite.com/mustafa>

Baghdad, Iraq

## WORK EXPERIENCE

## AL-HIKMA UNIVERSITY COLLEGE (2020)

- Responsible for the Quality Assurance Division, Educational Laboratory Quality Division, University Website, last year student projects, IEEE System (EDAS), and the Scopes journal of Al-Hikma.
- Track Chair and Chair of AL-Hikma International Conference on Natural and Applied Sciences 2022.
- Member of the Organization Committee, Al Hikma International Conference on Natural and Applied Sciences
- Member of the Examination Committee.
- Working as a lecture in the Department of Computer Engineering for the third and fourth stage the subject is: Information Theory and Coding, Network Simulation.

## SUMMARY

I have a PhD in Computer Science (Information Technology) with hands-on experience in the academic field as a researcher, supervisor and experience in the field of telecommunications.

## AREAS OF EXPERTISE

Java  
Python  
Assembly  
HTML  
Visual Basic 6  
C++  
MATLAB  
OTCL, TCL  
Network Simulation 2 (NS2)  
OPNET Model

## OTHER SKILLS

- Professional in Microsoft Office.
- The ability to analyze complex technical information.
- Can analyze, design and implement database structures.
- Detail oriented.
- Excellent problem solver.

## MIDDLE TECHNICAL UNIVERSITY /INSTITUTE OF ADMINISTRATION RESAFA

Working as a lecture in computer Science for the first and second stage the subject is:

- Computer Network.
- Computer Algorithms.

## NATIONAL UNIVERSITY OF MALAYSIA (UKM)

Working as a Research Assistant and Supervised Master students.

## SIGNAL TECH

4G Network Optimization Engineer – Celcom-Huawei Malaysia

- Handling PCR\_LTE reports and analyze activities of Celcom KV network.
- Handling all OSS optimization activities of Celcom OKV & KV network.
- Daily monitoring for OSS KPIs, TRAFFIC, number of users (PRB balancing) of the site and cell levels, find out KPIs Degradation and check for top worst cells then optimize.
- Find out and analyse all events (call drop, traffic, handover.... etc.)
- Handling MT generation, using I Manager PRS, U2020 to generate MultiTuch report for 4G, 3G & 2G.

## VNK (MAY 2019–Dec 2019)

4G Analyzer & Coordinator YTL Malaysia

- LTE Analysis and Optimization engineer in YTL for 10T 10R project. Prepared reports for LTE sites in Eastern, Northern Malaysia using XRO server.
- Find out and analyse all events (call drop, traffic, handover.... etc).

## **SIGNAL TECH (APR 2017 – MAY 2019)**

2G,3G,4G Optimization Engineer Umobile-ZTE Malaysia

- 3G/2G/4G Network KPIs monitoring & analysis.
- Handling all OSS and DT optimization activities for two Clusters.
- Daily monitoring for OSS KPIs of cluster and cell levels.
- Fine-tuning for top worst cells in terms of main KPIs of CS and PS KPIs as well.
- Check and follow up customer complain of corresponding needed actions (antenna optimization/parameters changes).

2G,3G,4G Optimization Engineer DiGi-ZTE Malaysia

- Handling all OSS and DT optimization activities of the DiGi KV network.
- Daily monitoring for OSS KPIs of site and cell levels using ZTE server EMS, find out KPIs degradation and check for top worst cells then take immediate action and make optimization.
- Perform complete analysis and post-processing for global drive test by using Nemo Analyze software.
- Find out and analyse all events (call drop, traffic, handover... etc.) and radio conditions (RSCP, EcNo, RSRP, SINR, RX-LEVEL, RX-QUAL).
- Prepare and final report for network performance for OSS and DT parts with recommended actions.

Coordinator- Umobile- Huawei Malaysia

- Coordinate DT Engineers give plane and support.
- Coordinate DT Analyzers give them tasks and support.
- Responsible for reviewing the reports with PIC teams.

## **DEVINE SPECTRUM (JAN 2015–APR 2017)**

4G Analyzer Engineer Maxis-Huawei Malaysia

- LTE Analysis and Optimization engineer in Huawei-Maxis Infill phase2 project.
- Prepared reports for LTE sites in Eastern Malaysia using Genex Assistant.
- Find out and analyse all events (call drop, traffic, handover.... etc).

2G,3G,4G Optimization Engineer Celcom-Huawei Malaysia

- Handling all OSS optimization activities of Celcom OKV & KV network.
- Daily monitoring for OSS KPIs of site and cell levels using IManager PRS, find out KPIs degradation and check for top worst cells then take immediately.
- Find out and analyse all events (call drop, traffic, handover.... etc.).
- Handling MT generation, using I Manager PRS and MapInfo to generate MultiTuch report for 3G and 2G. Handling OSS CBO KPI, OSS SSO KPI, and MT OSS KPI. using I Manager PRS, MapInfo, and U2000 for preparing 2G,3G reports and monitor the network availability, Hanover, Data Traffic, .... etc.

## **MICROSOFT COMPANY (MAY 2012–JUL 2013)**

Lecturer in Microsoft Learning Center (LLS Group)

Giving lectures in a collection of Microsoft Office, Word, PowerPoint, Excel, Outlook.

## **EDUCATION HISTORY**

### **NATIONAL UNIVERSITY OF MALAYSIA (UKM)**

PhD of Computer Science (Information Technology) 2017-2021

**THESIS: ONLINE CLUSTERING OF EVOLVING DATA STREAMS USING DENSITY GRID-BASED METHOD IN THE INTERNET OF THINGS.**

Research assistant

## NATIONAL UNIVERSITY OF MALAYSIA (UKM)

Master of Computer Science (Network Technology) 2014-2016 Honour Roll

**DISSERTATION: DSR ROUTING PROTOCOL OPTIMIZATION FOR MOBILE AD HOC NETWORK BASED ON ABC ALGORITHM**

GPA: 3.56

## AL-TURATH UNIVERSITY

Bachelor of Computer Science 2008-2012

**PROJECT: USING COMPUTER SYSTEM FOR CONTROLLING DEVICES**

**Honour Roll**

Average 87.36

## EXPERIENCE AND ABILITY TO TEACH

- English Expellant
- Arabic Excellent

## TELECOMMUNICATIONS TOOLS EXPERTISE

- Analysis Tools: Genex Assistant, Nemo Analyze, X-Cap
- Drive Test tools: Genex Probe, and Nemo Outdoor, Nemo Handy, X-Call. Mapping Tools: Google Earth, MapInfo.
- IManager PRS
- IManager M2000/U2000/U2020
- EMS, EPMS
- Users simulation (Geolocation)

## HAVE EXPERIENCE AND KNOWLEDGE WITH

- Working experience WCDMA (2G), GSM (3G), LTE (4G), Wireless Networking, Network Design.
- Linux Operating System (Ubuntu, Backtrack, Fedora, CentOS).
- Cygwin.

## JOURNALS & CONFERENCES PUBLICATION

- Tareq, Mustafa, Elankovan A. Sundararajan, Aaron Harwood, and Azuraliza Abu Bakar. "A systematic review of density grid-based clustering for data streams." *IEEE Access* (2021). **ISI Web of Science, Q1**
- Tareq, M., & Sundararajan, E. A. (2020). A New Density-Based Method for Clustering Data Stream Using Genetic Algorithm. *Technology Reports of Kansai University*, 62(11), 16. **Scopus indexed journal, Q3.**
- Tareq, M., & SUNDARARAJAN, E. A. (2021). AN EVOLVING APPROACH TO DATA STREAMS CLUSTERING BASED ON CHEBYCHEV WITH FALSE MERGING. *Journal of Theoretical and Applied Information Technology*, 99(9). **Scopus indexed journal, Q4**
- Tareq, M., Sundararajan, E. A., Mohd, M., & Sani, N. S. (2020). Online clustering of evolving data streams using a density grid-based method. *IEEE Access*, 8, 166472-166490. **ISI Web of Science, Q1.**
- Abdelhaq, M., Alsaqour, R., Algarni, A., Alabdulhafith, M., Alawi, M., Taha, A., ... & Tariq, M. (2020). Human immune-based model for intrusion detection in mobile ad hoc networks. *Peer-to-Peer Networking and Applications*, 13(3), 1046-1068. **ISI Web of Science, Q1.**
- Tareq, M., Sundararajan, E. A., & Mohd, M. (2020, March). Online clustering of evolving data stream based on adaptive Chebychev distance. In *Proc. 281st Int. Conf. IIER* (pp. 41-46). **IIER International Conference, Q2**
- Tareq, M., Abed, S. A., & Sundararajan, E. A. (2019). Artificial bee colony for minimizing the energy consumption in mobile ad hoc network. In *Advances on Computational Intelligence in Energy* (pp. 21-38). Springer, Cham. **Book Chapter.**
- Abd, M. T., Mohd, M., & Abd, M. T. (2018, March). Investigation of Data Representation Methods with Machine Learning Algorithms for Biomedical Named Entity Recognition. In *2018 Fourth International Conference on Information Retrieval and Knowledge Management (CAMP)* (pp. 1-6). **IEEE International Conference.**
- Tareq, M., Alsaqour, R., Abdelhaq, M., & Uddin, M. (2017). Mobile ad hoc network energy cost algorithm based on artificial bee colony. *Wireless Communications and Mobile Computing*, 2017. **Scopus indexed journal, Q2.**
- Tariq, M., Fareed, H., & Alsaqour, R. (2016). Performance analysis of reactive routing protocols in mobile ad hoc networks using NS2. **Scopus indexed journal, Q3.**

## REFERENCE

**Name:** Assoc. Prof. Dr. Elankovan A. Sundararajan  
**Postitions:** Center for Software Technology and Management (SOFTAM)  
**Affiliation:** Centre for Software Technology and Management, Faculty of Information Science and Technology, Universiti Kebangsaan Malaysia, UKM Bangi, Selangor 43600, Malaysia  
**e-mail address:** [elan@ukm.edu.my](mailto:elan@ukm.edu.my)

---

**Name:** Assoc. Prof. Dr. Masnizah Mohd  
**Postitions:** Center for Cyber Security (CYBER)  
**Affiliation:** Center for Artificial Intelligence Technology, Faculty of Information Science and Technology, Universiti Kebangsaan Malaysia (UKM), Bangi 43600, Malaysia  
**e-mail address:** [masnizah.mohd@ukm.edu.my](mailto:masnizah.mohd@ukm.edu.my)

---

**Name:** Assoc. Prof. Dr. Raed Alsaqour  
**Postitions:** Center of Computing and Informatics  
**Affiliation:** Department of Information Technology, College of Computing and Informatics, Saudi Electronic University, Riyadh 93499, Saudi Arabia  
**e-mail address:** [raed.ftsm@gmail.com](mailto:raed.ftsm@gmail.com)

---

**Name:** Dr. Mohanaad Talal Shakir Alnaseery  
**Postitions:** Lecturer in Computer Science Department of Alburaimi Collage - Oman  
**Affiliation:** College of Business, University of Buraimi, Al Buraimi, Oman  
**e-mail address:** [mohanaad@buc.edu.om](mailto:mohanaad@buc.edu.om)

---

**Name:** Dr. Yaser Hadi Farhan  
**Postitions:** Management Information Systems of Alburaimi Collage - Oman  
**Affiliation:** Management Information Systems of Alburaimi Collage - Oman  
**e-mail address:** [mohanaad@buc.edu.om](mailto:mohanaad@buc.edu.om)