

# RIZAL BIN MOHD. NOR



- KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY
- IIUM Gombak Campus
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## المؤهل العلمي

- Doctor of Philosophy in computer Science
- Master of Business Administration
- B.Sc in Electrical Engineering & B.Sc in Computer Engineering

## مسؤوليات التدريس

|   |   |
|---|---|
| ADVANCED NETWORKS                         | 2014/2015   |
| COMPUTER ARCHITECTURE & ASSEMBLY LANGUAGE | 2006/2007 2007/2008   |
| COMPUTER NETWORKING                       | 2006/2007 2007/2008 2014/2015 2017/2018 2018/2019 2019/2020                     |
| CONTEMPORARY ISSUES IN ISLAMIC FINANCE    | 2016/2017 2018/2019   |
| ELEMENTS OF PROGRAMMING                   | 2018/2019 2019/2020   |
| EMBEDDED SYSTEMS                          | 2006/2007   |
| FINAL YEAR PROJECT                        | 2006/2007 2007/2008 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 |
| FINAL YEAR PROJECT I                      | 2017/2018 2019/2020 2020/2021   |
| FINAL YEAR PROJECT II                     | 2019/2020 2020/2021   |
| FINTECH FOR ISLAMIC FINANCE               | 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021                               |
| INDUSTRIAL ATTACHMENT                     | 2006/2007 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018           |
| MOBILE APPLICATION DEVELOPMENT            | 2014/2015 2015/2016 2016/2017 2017/2018   |
| NETWORKS & SYSTEM ADMINISTRATION          | 2006/2007 2015/2016 2016/2017 2017/2018 2018/2019                               |
| OPERATING SYSTEM                          | 2012/2013 2013/2014 2015/2016 2019/2020 2020/2021                               |
| WEB PROGRAMMING                           | 2012/2013 2013/2014 2014/2015   |
| WEB PROGRAMMING FUNDAMENTAL               | 2014/2015   |

**In Progress**

- 2020 - Present** Blockchain Training Alliance CBBF and CBSA Coaching and Training for Knowledgecom Singapore Clients
- 2020 - Present** Industry@University: 4IR Competence Centre
- 2019 - Present** KKR Gimmick Video, Drone and Robot For Sambutan Hari Profesion Teknikal Negara
- 2019 - Present** Sustainable Development Goals for Digital Entrepreneurship ? assesment of technological requirements, beyond computers and internet access
- 2018 - Present** Construction of a Blockchain Framework for PTPTN
- 2017 - Present** Elucidating the anti-cancer Mechanism of thymoquinone nanoparticles involving the MAPK signaling pathway in zebrafish xenografts of colonic and melanoma cancers. in vitro & in vivo study
- 2017 - Present** Kiram-al-Katibin : Green and Secure IoT Project for Managing Resources and Assist Classroom Related Activities
- 2017 - Present** Naso-mucosal absorption of neuronal drug by sol-to-gel delivery system to target brain: approach to dose reduction
- 2017 - Present** Sya-riah-based Asset-backed Blockchain and Cryptocurrencies
- 2016 - Present** Tori-Connected Flattened Butterfly Network (TFBN)
- Unknown - Present** Sustainable Development Goals for Digital Entrepreneurship ? assesment of technological requirements, beyond computers and internet access

**Completed**

- 2017 - 2017** Shariah Fintech Forum 2017 (SFF 2017)
- 2016 - 2019** Tori-Connected Flattened Butterfly Network (TFBN)
- 2013 - 2016** Development of Immune Inspired Algorithm for Self-Healing Swarm Robotic Systems
- 2013 - 2017** A New Hierarchical Interconnection Network for Future Generation Massively Parallel Computer Systems
- 2012 - 2015** Mahkota : A Self Stabilizing Algorithms for Peer to Peer Systems in Mobile Applications
- Unknown - 2018** Privacy and Security in Cloud First Policy Environment (Microsoft Fund)

Article

- 2019** [SCCN : a time-effective hierarchical interconnection network for network-on-chip.](#) Mobile Networks and Applications , 24 (4) pp.1255-1264
- 2019** [SCCN : a time-effective hierarchical interconnection network for network-on-chip.](#) Mobile Networks and Applications , 24 (4) pp.1255-1264
- 2018** [A framework for the development of a National Crypto-Currency.](#) International Journal of Economics and Finance , 10 (9) pp.14-25
- 2018** [A framework for the development of a National Crypto-Currency.](#) International Journal of Economics and Finance , 10 (9) pp.14-25
- 2018** [Technical approach in text mining for stock market prediction: a systematic review.](#) Indonesian Journal of Electrical Engineering and Computer Science , 10 (2) pp.770-777
- 2018** [Technical approach in text mining for stock market prediction: a systematic review.](#) Indonesian Journal of Electrical Engineering and Computer Science , 10 (2) pp.770-777
- 2017** [Cost effective factor of a midimew connected mesh network.](#) Asian Journal of Scientific Research , 10 (4) pp.394-399
- 2017** [Cost effective factor of a midimew connected mesh network.](#) Asian Journal of Scientific Research , 10 (4) pp.394-399
- 2016** [SCCN: a cost effective hierarchical interconnection network for network-on-chip.](#) International Journal of Advancements in Computing Technology(IJACT) , 8 (5) pp.70-79
- 2016** [Dynamic communication performance of a horizontal midimew connected mesh network.](#) International Journal of Advancements in Computing Technology (IJACT) , 8 (1) pp.31-40
- 2016** [An optimum value of dynamic communication performance for midimew connected mesh network.](#) Indian Journal of Science and Technology , 9 (31) pp.1-6
- 2016** [SCCN: a cost effective hierarchical interconnection network for network-on-chip.](#) International Journal of Advancements in Computing Technology(IJACT) , 8 (5) pp.70-79
- 2016** [NFC based attendance: More than just a touch.](#) Jurnal Teknologi , 78 (9-3) pp.69-78
- 2016** [Non-contact electrocardiogram \(ECG\) smart chair for ST segment elevation myocardial infarction detect.](#) Journal of Theoretical and Applied Information Technology , 84 (3) pp.315-320
- 2015** [Bringing order in segments for a robust network in mobile services.](#) ARPN Journal of Engineering and Applied Sciences , 10 (23) pp.17808-17815
- 2015** [Architecture and network-on-chip implementation of a new hierarchical interconnection network.](#) Journal of Circuits, Systems, and Computers , 24 (2) pp.1540006-1

2013 [Corona: a stabilizing deterministic message-passing skip list.](#) Theoretical Computer Science , 512 pp.119 - 129

**Conference or Workshop Item**

2020 [Adopting e-hailing application among Malaysian millennials..](#) In: "The 7th International Conference on Cyber and IT Service Management (CITSM 2019)"

2020 [Adopting e-hailing application among Malaysian millennials..](#) In: "The 7th International Conference on Cyber and IT Service Management (CITSM 2019)"

2018 [Cryptocurrency vs fiat currency: Architecture, algorithm, cashflow & ledger technology on emerging economy subtitle: The influential facts of cryptocurrency and fiat currency.](#) In: 2018 International Conference on Information and Communication Technology for the Muslim World (ICT4M)

2018 [Cryptocurrency vs fiat currency: Architecture, algorithm, cashflow & ledger technology on emerging economy subtitle: The influential facts of cryptocurrency and fiat currency.](#) In: 2018 International Conference on Information and Communication Technology for the Muslim World (ICT4M)

2017 [Biometric identification for twins using photoplethysmogram signals.](#) In: 6th International Conference on Information and Communication Technology for The Muslim World (ICT4M), 2016

2017 [Blockchain sadaqa mechanism for disaster aid crowd funding.](#) In: 6th International Conference on Computing and Informatics 2017 (ICOICI 2017)

2017 [Real time electrocardiogram identification with multi-modal machine learning algorithms.](#) In: 2nd International Conference of Reliable Information and Communication Technology (IRICT) 2017

2017 [Biometric identification for twins using photoplethysmogram signals.](#) In: 6th International Conference on Information and Communication Technology for The Muslim World (ICT4M), 2016

2017 [Time-cost effective factor of a Midimew connected Mesh network.](#) In: 2016 6th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2016)

2017 [Re-inventing PTPTN study loan with blockchain and smart contracts.](#) In: 2017 8th International Conference on Information Technology (ICIT)

2017 [Blockchain sadaqa mechanism for disaster aid crowd funding.](#) In: 6th International Conference on Computing and Informatics 2017 (ICOICI 2017)

2017 [Re-inventing PTPTN study loan with blockchain and smart contracts.](#) In: 2017 8th International Conference on Information Technology (ICIT)

2017 [Cost effectiveness analysis of a Vertical Midimew-connected Mesh Network \(VMMN\).](#) In: 3rd International Conference on Computational Intelligence in Data Mining, ICCIDM 2016

2017 [CloudeMy: Step into the Cloud.](#) In: 10th Malaysian Software Engineering Conference (MySEC 2017)

- 2017 [CloudeMy: Step into the Cloud.](#) In: **10th Malaysian Software Engineering Conference (MySEC 2017)**
- 2017 [Real time electrocardiogram identification with multi-modal machine learning algorithms.](#) In: **2nd International Conference of Reliable Information and Communication Technology (IRICT) 2017**
- 2017 [Cost effectiveness analysis of a Vertical Midimew-connected Mesh Network \(VMMN\).](#) In: **3rd International Conference on Computational Intelligence in Data Mining, ICCIDM 2016**
- 2017 [Time-cost effective factor of a Midimew connected Mesh network.](#) In: **2016 6th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2016)**
- 2016 [Electrocardiogram identification: Use a simple set of features in QRS complex to identify individuals.](#) In: **12th International Conference on Computing and Information Technology (IC2 IT)**
- 2016 [Analyzing communication overhead in linearizing peer to peer system.](#) In: **6th International Conference on Information and Communication Technology for the Muslim World (ICT4M 2016)**
- 2016 [Linear sure bootstraper: Self-stabilizing nodes for network construction.](#) In: **6th International Conference on Computer and Communication Engineering (ICCCE 2016)**
- 2016 [Cost effective factor of a Midimew connected Mesh Network.](#) In: **2nd International Conference on Engineering, Technologies, and Social Sciences (ICETSS 2016)**
- 2016 [ScanMed: a mobile medicine adherence application with intake validation using QR code.](#) In: **2016 6th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2016)**
- 2016 [A high radix hierarchical interconnection network for network-on-chip.](#) In: **12th International Conference on Computing and Information Technology (IC2IT)**
- 2016 [Electrocardiogram identification: Use a simple set of features in QRS complex to identify individuals.](#) In: **12th International Conference on Computing and Information Technology (IC2 IT)**
- 2016 [Midimew-connected Gaussian network.](#) In: **2015 4th International Conference on Advanced Computer Science Applications and Technologies (ACSAT 2015)**
- 2016 [Packing density and message traffic density of a midimew connected mesh network.](#) In: **6th International Conference on Computer and Communication Engineering (ICCCE 2016)**
- 2016 [A hasty approach to ECG person identification.](#) In: **2016 International Conference on Computer and Communication Engineering (ICCCE)**
- 2016 [ScanMed: a mobile medicine adherence application with intake validation using QR code.](#) In: **2016 6th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2016)**

- 2015 [A framework for non-contact ECG signal detection device on smart chair and its implementation.](#) In: **Second International Conference on Advanced Data and Information Engineering (DaEng-2015)**
- 2015 [Uniform traffic patterns using virtual cut-through flow control on VMMN.](#) In: **International Conference on Computer Science and Computational Intelligence (ICCSCI 2015)**
- 2015 [NFC based attendance: more than just a touch.](#) In: **4th International Conference on Research and Innovation in Information Systems - 2015 (ICRIIS'15).**
- 2015 [On uniform traffic pattern of symmetric midimew connected mesh network.](#) In: **2nd International Symposium on Big Data and Cloud Computing (ISBCC'15)**
- 2015 [A low hop distance hierarchical interconnection network.](#) In: **2nd International Conference on Electrical Information and Communication Technology (EICT 2015)**
- 2015 [Bringing order in segments for a robust network in mobile services.](#) In: **4th International Conference on Research and Innovation in Information Systems - 2015 (ICRIIS'15)**
- 2014 [The design and implementation of a QR-code enabled mobile online judging application.](#) In: **5th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2014)**
- 2014 [TOPAZ simulator on mesh and torus network.](#) In: **5th International Conference on Information & Communication Technology for The Muslim World (ICT4M 2014)**
- 2014 [A new assignment of free links in Midimew connected mesh network.](#) In: **1st International Conference on Electrical Information and Communication Technology (EICT 2013)**
- 2014 [A new derivative of midimew-connected mesh network.](#) In: **The 10th International Conference on Computing and Information Technology (IC2IT2014)**
- 2013 [Linearizing peer-to-peer systems with Oracles.](#) In: **15th International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS 2013)**

**Book  
Book Section**

- 2020 [Crowdfunding: new form of both investment opportunities and source of capital.](#) In: **Crowdfunding: New Form of Both Investment Opportunities and Source of Capital** IGI Global . ISBN 9781799832577 , pp.110-135
- 2020 [Crowdfunding: new form of both investment opportunities and source of capital.](#) In: **Crowdfunding: New Form of Both Investment Opportunities and Source of Capital** IGI Global . ISBN 9781799832577 , pp.110-135
- 2019 [A framework for non-contact ECG signal detection device on smart chair and its implementation.](#) In: **Lecture Notes in Electrical Engineering** Springer Nature Singapore . ISBN 978-981-13-1797-2 , pp.639-646

- 2019** [Regulatory and shariah framework of cryptocurrency.](#) In: **Halal Cyptocurrency Management** Palgrave Mcmillan . ISBN 978-3-030-10748-2 , pp.195-220
- 2019** [Regulatory and shariah framework of cryptocurrency.](#) In: **Halal Cyptocurrency Management** Palgrave Mcmillan . ISBN 978-3-030-10748-2 , pp.195-220
- 2019** [A framework for non-contact ECG signal detection device on smart chair and its implementation.](#) In: **Lecture Notes in Electrical Engineering** Springer Nature Singapore . ISBN 978-981-13-1797-2 , pp.639-646
- 2016** [Unattended sensors in marine environments: oxybuoy for hypoxia study.](#) In: **Critical Socio-Technical Issues Surrounding Mobile Computing** IGI Global . ISBN 9781466694385/ 9781466694392 , pp.285-308
- 2016** [Long wire length of midimew-connected mesh network.](#) In: **Distributed computing and Internet technology** Springer International Publishing . ISBN 978-3-319-28033-2 , pp.97-102
- 2014** [Wire length of midimew-connected mesh network.](#) In: **Network and Parallel Computing** Springer International Publishing . ISBN Print ISBN: 9783662449165, Online ISBN: 9783662449172 , pp.132-143
- 2010** [Oxybuoy: constructing a real-time inexpensive hypoxia monitoring platform.](#) In: **Ad Hoc Networks** Springer Berlin Heidelberg . ISBN 9783642117237 (O), 9783642117220 (P) , pp.795-804