

# **Dr. MUHAMMAD YAQOOB**

**ADDRESS** ✉ A-25 Sindh Agriculture University Colony, Tandojam  
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yaqoobkoondhar@gmail.com



## **OBJECTIVE:**

Seeking for job related to my qualification in performance-oriented organization and to become an active part of an organization that offers a challenging position in the field of Advanced Technology.

## **PERSONAL BIODATA:**

Father's Name	<b>Yar Muhammad Koondhar</b>
Supervisor	<b>HEC Approved</b>
Date of birth	<b>28, February 1982</b>
Religion	<b>Islam</b>
N.I.C	<b>45302-6654862-5</b>
Passport #	<b>AG4778622</b>
IEEE Membership	<b>94222728</b>
Domicile	<b>Naushehro Feroz (Rural)</b>
Address	<b>P.O Khanwahan Taluka Mehrabpur Distt: Naushehro Feroze, Sindh, Pakistan</b>

## **EDUCATION:**

- **PhD (Information Technology)** **2017**  
KICT, International Islamic University Malaysia.
- **Diploma in Science Technology Policy** **2009-2010**  
Mehran University of Engineering & Technology, Jamshoro.
- **MBA** **3.46 C.G.P.A.** **2008**  
University of Sindh, Jamshoro.
- **BCS (Hons.)** **2.94 C.G.P.A.** **2005**  
University of Sindh, Jamshoro.
- **H.S.C** **A - Grade** **1999**  
B.I.S.E SUKKUR.
- **S.S.C.** **A-1 Grade** **1997**  
B.I.S.E SUKKUR.

## **EXPERIENCE:**

- Working as **Lecturer** in Information Technology Center, Sindh Agriculture University Tandojam from 17-11-2017 to up-to-date.
- On Study Leave in **Faculty Development Program**, Sindh Agriculture University Tandojam, from 01-03-2014 to 16-11-2017.
- Worked as **Web Master** in University of Sindh. From 15-05-2010 to 31-12-2013.
- Worked as In-charge **Web Administrator** in University of Sindh. From 04-02-2009 to 14-05-2010.
- Worked as **Web Master** in University of Sindh. From 22-08-2006 to 03-02-2009.
- Worked as **Computer Operator** in University of Sindh. From 4-4-2006 to 21-08-2006.
- One-year experience of teaching various subjects in VIP Public School Citizen Colony, Hyderabad.

## **MEMBERSHIP**

- IEEE
- ETSSM, Global, Malaysia
- Asian Council of Science Editors

- Board of Studies, Information Technology Centre, Sindh Agriculture University, Tandojam.

## AWARDS

- Got 3rd position in Poster Presentation by KICT, in May, 2016.
- Got 1st position in Poster Presentation arranged by CPS and PGSS, IIUM in November, 2016.

## MAIN & Co SUPERVISORS IN MS THESIS

Main Supervisor: 10 Master Students  
Co-Supervisor: 04 Master Students

## ORGANIZED INTERNATIONAL CONFERENCES

1. **Secretary** in International Conference on Engineering, Technologies and Social Sciences (ICETSS-2016), 22<sup>nd</sup> and 23<sup>rd</sup> August, 2016 in Kuala Lumpur, Malaysia.
2. **Secretary** in International Conference on Engineering, Technologies and Applied Sciences (ICETAS-2017), 23<sup>rd</sup> to and 25<sup>th</sup> January, 2017 in Kuala Lumpur, Malaysia.
3. **Secretary** in IEEE 3<sup>rd</sup> International Conference on Engineering, Technologies and Social Sciences (ICETSS-2017), 07<sup>th</sup> and 08<sup>th</sup> August, 2017 in Bangkok, Thailand.
4. **Secretary / Conference Coordinator** in 4th IEEE International Conference on Engineering, Technologies and Applied Sciences (ICETAS-2017), 29th November to and 01st December, 2017 in AMA International University Bahrain.
5. **Co-ordinator** in 1<sup>st</sup> International Conference on Social Sciences and Information Communication Technologies (ICSSICT-2018), 20-21 February, 2018 in Sindh Agriculture University Tandojam, Sindh, Pakistan.
6. **Secretary** in 2018 IEEE International Conference on Innovative Research and Development (ICIRD-2018), 11<sup>th</sup> and 12<sup>th</sup> May, 2018 in Bangkok, Thailand.
7. **Secretary** in 2018 IEEE 5<sup>th</sup> International Conference on Engineering, Technologies and Applied Sciences (ICETAS-2018), 22<sup>nd</sup> and 23<sup>rd</sup> November, 2018 in Bangkok, Thailand.
8. **Secretary** in 2019 2<sup>nd</sup> IEEE International Conference on Innovative Research and Development (ICIRD-2019), 28<sup>th</sup> to 30<sup>th</sup> June, 2019 in Jakarta, Indonesia.
9. **Secretary** in 2019 6<sup>th</sup> IEEE International Conference on Engineering, Technologies and Applied Sciences (ICETAS-2019), 20<sup>th</sup> to 21<sup>st</sup> December, 2019 in UTMKL, Kuala Lumpur, Malaysia.
10. **Secretary** in 2020 7<sup>th</sup> IEEE International Conference on Engineering, Technologies and Applied Sciences (ICETAS-2020) Virtual, 18<sup>th</sup> - 20<sup>th</sup> December, 2020 in UTMKL, Kuala Lumpur, Malaysia.

## PROGRAM COMMITTEE MEMBER OF INTERNATIONAL CONFERENCEES

1. 1<sup>st</sup> International Conference on Sindh Studies, University of Sindh, Jamshoro, Sindh, Pakistan, November, 20-21, 2017.
2. 2nd International Conference on Business, Economics and Education Management, Sukkur IBA University, Sukkur, Pakistan, February 23-24, 2018.

3. The 15th Learning and Technology International Conference Effat University Jeddah, Saudi Arabia, February 25-26, 2018.
4. 2018 IEEE International Conference on Computing, Mathematics and Engineering Technologies, Sukkur IBA University, Sukkur, Pakistan, March 3-4, 2018.
5. Asian Conference on Science, Technology & Medicine, Dubai, UAE, March 20-22, 2018.
6. The 6th International Conference on Information Technology for Cyber and IT Service Management (CITSM 2018) Inna Prapat Hotel, Indonesia, August 7-9, 2018.
7. IEEE International Conference on Computing, Electronics & Communications Engineering 2018 (iCCECE '18) University of Essex, Southend, UK, August 16-17, 2018.
8. International Conference on Emerging Technologies in Computing 2018, (iCETiC '18) London Metropolitan University, London, UK, August 23-24, 2018.
9. 2019 2<sup>nd</sup> International Conference on Computing, Mathematics and Engineering Technologies, Sukkur IBA University, Sukkur, Pakistan, January 30-31, 2019.

## JOURNAL PAPERS & INTERNATIONAL CONFERENCES PAPERS:

### JOURNAL PAPERS

1. S.M. A. QADRI, H. NAWAZ, **M. Y. KOONDHAR**, M.Y. HAB. Simulation based modified solution of AES and encryption key establishment. Sindh University Research Journal (SURJ) Volume 45 Number 04 December 2013. Pages: 683-688
2. H. NAWAZ, S. SOOMRO, S.H.ABBAS, M.S. EHSAN, **M.Y. KOONDHAR**, Simulation based analysis of handover issues affecting UMTS performance. Sindh University Research Journal (SURJ) Volume 45 Number 04 December 2013. Pages: 689-695.
3. **M. Y. KOONDHAR**, M. M. RIND, M. Y. HUB\*, H. SHAIKH. Semi-automated E-Tendering System with Web Services. A case study on tendering process in Pakistan, Sindh University Research Journal (SURJ) Volume 46 Number 04 December 2014. Pages: 399-402.
4. S. Samon, Y.A. Malkani, A.R. Nangraj, **M.Y. Koondhar**. An Indoor and Outdoor Positioning System using a Hybrid Approach, Sindh University Research Journal (SURJ) Volume 47 Number 01, January 2015, Pages: 153-156.
5. **M.Y. Koondhar**, Y.A. Malkani, M.M. Rind, F.H. Chandio, A. Shah, Q.A. Nizamani, Pervasive learning using Cloud Computing, Sindh University Research Journal 47 (03), September, 2015, Pages: 567-570
6. H. SHAIKH, **M. Y. KOONDHAR++**, M. M. RIND, A. B. M. ARAIN\*, A. RAZA, A. W. MAHESAR, ATM versus IP for Voice over IP, Sindh University Research Journal-SURJ (Science Series) 47 (4), 2015, Pages: 763-768.
7. AW Mahesar, Z Bhatti, A Waqas, **M.Y. Koondhar**, MM Rind, S Nizamani, "Efficient Link Prediction Method in Dark Networks Analysis", Sindh University Research Journal-SURJ (Science Series) 48 (1), 2016.
8. A Raza, **M.Y. Koondhar**, S Sindhu, M Hyder, GD Menghwar, B Baloch, Asadullah Shah "Application service delivery in the modern virtualized data center-improving reliability and scalability", Sindh University Research Journal-SURJ (Science Series) 48 (3), 2016.
9. S AFRIDI, AR GILAL, **M.Y. KOONDHAR**, A ABRO, J AHMED, "Designing of Dual Mode Band Pass Filter Using Square Patch Resonator", Sindh University Research Journal-SURJ (Science Series) 49 (1), 2017.
10. A Malik, MM Rind, **M.Y. Koondhar**, A Shah, "Transitional Approaches for PERN Migration to SDN", Information Technology Journal 15 (4), 137-142, 2016.
11. MM Rind, IA Qureshi, AS Saand, S Memon, **M.Y. KOONDHAR**, AW MAHESAR, A SHAH "Measuring antecedents of customer satisfaction: an empirical analysis of telecom services in Pakistan", Sindh University Research Journal-SURJ (Science Series) 48 (2), 2016.
12. M Khosravi, A Shah, M Karbasi, **M.Y. Koondhar**, Halal products recognition using RFID/NFC Technology, Science International-Lahore 29 (3), 687-692, 2017.
13. Mostafa Karbasi, Zulkefli Muhammad, **M.Y. Koondhar**, A hybrid method using kinect depth and color data stream for hand blobs segmentation, Science International-Lahore 29 (3), 515-519, 2017.
14. A. JALBANI, Mukhtiar. MEMON, Muniba. MEMON, S. DEPAR, **M. Y. KOONDHAR**, A Study of News Recommender System using Natural Language Cloud Computing Services, Sindh University Research Journal-SURJ (Science Series) 50 (2), 2018, 249-253.
15. S. MEMON, M. MEMON, **M. Y. KOONDHAR**, H. S. MEMON, Y. MEMON, G. MUHAMMAD, Comparative Analysis of Server Performance Based on Network & Web Applications, Sindh University Research Journal-SURJ (Science Series) 50 (3), 2018, 439-442.

16. M. A. MEMON, A.K. JUMANI, **M. Y. KOONDHAR**, M. MEMON, A. G. MEMON, A Technique to Differentiate Clustered Operating Systems, Sindh University Research Journal-SURJ (Science Series) 50 (3D), 2018, 89-94.
17. I. A. BROHI, N. I. ALI, **M. Y. KOONDHAR**, A. SHAH, An Assessment of Proximity Technology Adoption from a User's Perspective, Sindh University Research Journal-SURJ (Science Series) 50 (3D), 2018, 220-223.
18. G. LAGHARI, SAAD NIZAMANI, SEHRISH NIZAMANI, M. MEMON, A. H. ABRO, **M. Y. KOONDHAR**, Making the Software Architecture Explicit in Java Programs to Enable Dynamic Evolution, Sindh University Research Journal- SURJ (Science Series) 51 (3), 2019.
19. Shahmurad Chandio, Muhammad Sadry Abu Seman., **Muhammad Yaqoob Koondhar**, Asadullah Shah, Qualitative study on ICT Adoption and Management practices in Public Sector Universities in Sindh Province, Pakistan, University of Sindh Journal of Information and Communication Technology (USJICT), Vol 3 No 3 (2019), Page # 149-152.
20. Abdul Samad Jamali, **Muhammad Yaqoob Koondhar**, Mansoor Hyder Debar, Zulfikar Ahmed Maher, Mukhtiar Memon, A Conceptual Framework For Smart Education System For Postgraduate Students, University of Sindh Journal of Information and Communication Technology (USJICT), Vol 4 No 3 (2020), Page # 165-172.
21. Z. A. MAHER, M. H. DEPAR, M. MEMON, **M. Y. KOONDHAR**, P. K. BUTT, A. SHAH, Measuring Secure Software Development Awareness and Usage among Software Developers, Sindh University Research Journal, Vol. 52 (04) 2020, Page # 381-385.
22. Mukhtiar Memon, **Muhammad Yaqoob Koondhar**, Zulfikar Ahmed Maher, Mansoor Hyder Debar, Pinal Khan Butt, Healthcare Hub Platform: A Sustainable Healthcare Information Architecture For Health Monitoring, International Journal of Scientific & Technology Research, Volume 10 (05), 2021 Page # 305-308.
23. **Muhammad Yaqoob Koondhar**, Muniba Memon, Ali Raza Rang, Asadullah Shah, Pervasive Learning Environment For Educational Makerspaces With Emerging Technologies And Teaching And Learning Transformation, International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE), Volume 10 (03), 2021 Page # 2272- 2277.
24. Azhar Ali Khaskheli, **Muhammad Yaqoob Koondhar**, Mansoor Hyder Debar, Zulfikar Ahmed Maher, Muhammad Malook Rind, Asadullah Shah, Framework for Location Based Attendance System by Using Fourth Industrial Revolution (4IR) Technologies, International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE), Volume 10 (03), 2021 Page # 2260 – 2266.
25. Humaiz Shaikh, Zulfikar Ahmed Maher, Ali Raza, **Muhammad Yaqoob Koondhar**, Saajid Hussain, Asadullah Shah, Acceptance of IoT Learning Among University Students at Pakistan, International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE), Volume 10 (03), 2021 Page # 2267 - 2271
26. Eraj Laaraib, Zulfikar Ahmed Maher, Zulfiqar Ali Solangi, **Muhammad Yaqoob Koondhar**, Mukhtiar Memon, Mansoor Hyder Debar, Asadullah Shah, A methodology for incorporating quality assurance practices during software development life cycle, International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE), Volume 10 (03), 2021 Page # 2296 – 2301.
27. **M.Y. Koondhar**, N Nuha, A Ali, A Shah, "The acceptance of Pervasive Learning, an exploratory study" Accepted, Asian Journal of Scientific Research, 2019.

## INTERNATIONAL CONFERENCES

1. **M.Y. Koondhar**, M.M. Rind, F.H. Chandio, A. Shah, Pervasive learning environment with emerging technologies and learning transformation. International Multi-topic Conference 15 at Mehran University of Engineering and Technology. Pages: 376-383. Dated 11-13 February, 2015
2. M.M. Rind, **M.Y. Koondhar**, F.H. Chandio, A. Shah, Slicing PERN with Software Defined Networking: An approach towards network experimentation. International Multi-topic Conference 15 in Mehran University of Engineering and Technology. Dated: 11-13 February, 2015.
3. M.M. Rind, **M.Y. Koondhar**, F.H. Chandio and A. Shah, A Conceptual Framework for the Analysis of Determinants of M-Commerce Acceptance. 13<sup>th</sup> International Conference on Statistical Sciences: Future Risks, Challenges and Developments held on March 16-18, 2015 at Department of Statistics, Islamia College, Peshawar. Pages: 433-446
4. A Raza, F.H. Chandio, **M.Y. Koondhar**, M.M. Rind, A. Shah, A framework for the analysis of determinants of social media acceptance in higher educational institutes of Pakistan, International conference on Computing and Informatics 2015 at Istanbul, Turkey Dated: 11-13 August 2015. Pages: 104-111.

5. **M.Y. Koondhar**, N.N.B.A Molok, F.H. Chandio, M.M. Rind, A. Raza, A. Shah, A conceptual framework for measuring the acceptance of Pervasive Learning, International conference on Computing and Informatics 2015 at Istanbul, Turkey Dated: 11-13 August 2015. Pages: 97-103.
6. M. Malook Rind, **M.Y Koondhar**, Mansoor Hyder, A. Shah, "Modeling user's trust in M-commerce acceptance: A conceptual framework in context of Pakistan", ACSAT 2015, Kuala Lumpur, Dec 10-12 2015.
7. **M. Y. Koondhar**, M. H. Depar, S. Chandio, P. Butt, A. R. Rang, A. Shah, Pervasive Learning acceptance in University of Sindh, Jamshoro: Student Centered, 1<sup>st</sup> International Conference on Social Sciences and Information Communication Technologies (ICSSICT-2018), 20-21 February, 2018.
8. Shah Murad, **M. Y. Koondhar**, Muhammad Sadry Abu Seman and Asadullah Shah, Qualitative study on ICT adoption and Management practices in Public sector Universities in Sindh, Pakistan, 23-24 February, 2018.
9. **M. Y. Koondhar**, Mansoor Hyder Depar, Naimatullah Leghari, Ali Raza Rang and Asadullah Shah, Pervasive Learning Environment For Educational Makerspaces With Emerging Technologies And Teaching And Learning Transformation, 2<sup>nd</sup> IEEE International Conference on Innovative Research and Development 2019, 28<sup>th</sup> – 30<sup>th</sup> June, 2019, Jakarta, Indonesia.
10. Ali Raza, **M. Y. Koondhar**, M. Shadab, Humaiz Shaikh and Asadullah Shah, An integrated model for Acceptance of QR code Mobile payment System in Pakistan, 6<sup>th</sup> IEEE International Conference on Engineering, Technologies and Applied Science (ICETAS-2019), 20<sup>th</sup> – 21<sup>st</sup> December, 2019, Kuala Lumpur, Malaysia.
11. Syed Faiz Ahmed, Yarooq Raza, Hussain F. Mahdi, W. M. Wan Muhamad, M. Kamran Joyo, Asadullah Shah, **M. Y. Koondhar**, Review on sliding mode controller and its modified types of rehabilitation robots, 6<sup>th</sup> IEEE International Conference on Engineering, Technologies and Applied Science (ICETAS-2019), 20<sup>th</sup> – 21<sup>st</sup> December, 2019, Kuala Lumpur, Malaysia.
12. Fazul-Ul-Udin Memon, **Dr. Muhammad Yaqoob Koondhar**, Dr. Mansoor Hyder Depar, Dr. Zulfiqar Hussain Pathan and Zeeshan Magsi, Conceptual framework for performance analysis of TCP implementation on various platforms, 2020 7th IEEE International Conference on Engineering, Technologies & Applied Sciences 2020 (ICETAS 2020), December 18-20, 2020 Kuala Lumpur Malaysia
13. Zeeshan Magsi, **Muhammad Yaqoob Koondhar**, Mansoor Hyder Depar, Zulfiqar Hussain Pathan and Fazul Memon, Conceptual framework for transformation of converged infrastructure (CI) into hyper converged technology for virtualization of server infrastructure, 2020 7th IEEE International Conference on Engineering, Technologies & Applied Sciences 2020 (ICETAS 2020). December 18-20, 2020 Kuala Lumpur Malaysia

#### BOOK

1. **Muhammad Yaqoob Koondhar** and Asadullah Shah, (978-967-418-792-7) An Integrated model of acceptance for Pervasive Learning from students' perspective, International Islamic University Malaysia Publisher, 2018.

#### EXTRA ACTIVITIES:

- **President of Pakistan Student Society IIUM**, Malaysia for two (02) years from September, 2014 to September 2016.
- **Member of Postgraduate Student Society (PGSS)** for 2016-2017 and Head of Academic and Conference Bureau for 2016/2017.
- **Vice Chair of Technical Committee IEEE, IIUM Student Branch** for the 2016/2017.

#### PROFESSIONAL EXPERIENCE:

##### **Advance Swift Communication System**

- An android application which generates SMS and emails according to the events held in a University. Basically designed for university use.

##### **Hospital Management System**

- A web based application used to maintain patient information and their complete flow of treatment.

##### **Steganography**

- Steganography Software, develop for hiding Information inside images to prevent useful/sensitive data from unauthenticated users.

#### **Online Project Management System**

- A web based application for, managing project details.

#### **Others**

- Inter Device Route Discovery Using Google Maps API v2 (Android, Google Play Services, JSON Parsing)
- Friend's Location Tracker (Android , Google Maps)
- Advance Swift Communication System (Android, REST, JSON, MySQL, SQLite)
- Location Based Alarm System (Android, Google Play Services, JSON Parsing)
- Puzzle Alarm System (Android )
- Having professional experience of developing professional websites.

#### **RESPONSIBILITIES:**

- To update the official website of University of Sindh regularly.
- To design new features for the University of Sindh website to facilitate the users.
- Member of the counseling committee to help the students for guidance in admission in Bachelor or Master Programs from 2007 to 2013.
- Member of the committee for computerized checking of various tests for employment and admissions purpose in University of Sindh from 2006 to February, 2014.
- To design and update the ICETSS-2016 website.
- To design and update the ICETAS-2017 website.
- To design and update the 3<sup>rd</sup> IEEE ICETSS-2017 website.
- Academic Head of Academic Development and Conference Bureau of the Postgraduate Student Society (PGSS) for 2016/2017 session.

#### **ORGANIZED PGSS PROGRAMS 2016-2017**

- Youth for Inclusive Wealth Fest, October 08, 2016.
- Briefing for all International students with respect to immigration and EMGS October 13, 2016.
- Seminar on "Ethics in Research" & Postgraduate Students' Poster Presentation Competition November 09, 2016.
- IIUM Global Forum (Special Talk between IIUM President and International Students) November 01, 2016.
- Postgraduate Students' Special Session with Rector November 26, 2016.
- Data Analysis for Qualitative Research by using ATLAS.ti". November 29, 2016.
- Focusing on Citation, Referencing & Layout Formatting". December 16, 2016.
- New Students Orientation 17 January, 2017.
- Study Tour, 17 January, 2017.
- Session on Library Skills, 10 February, 2017.
- International Seminar on Interfaith Harmony & Tolerance, 01 March, 2017.
- Leadership Workshop for Exco Members, 06 March, 2017.
- Community Service Program, 28 March, 2017.
- 3 Minutes Thesis Competition, 28 March, 2017.
- Rector Session with New PG Students, 30 March, 2017.
- Data Analysis Workshop, May 06, 2017.
- Kuantan Study Trip at IIUM Campus, May 20, 2017.
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#### **COMMUNICATION LANGUAGES:**

- English, Sindhi, Urdu.

#### **INTEREST:**

- Using Internet, Reading Books and Magazines.

#### **REFERENCES:**

Will be furnished on demand.