RANA M. AMIR LATIF

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ORGANIZATIONAL E-MAIL: amir.latif@baraniinstitute.edu.pk
PHONE: +923076148524 / +923135518100
GOOGLE SCHOLAR LINK: https://scholar.google.com/citations?user=1d64QR8AAAAJ&hl=en

Personal Details

Gender:
Male

Date of Birth:
May 28, 1995

Present Address:
House No.2, Street No.1 Gulshan Colony, Sahiwal

Nationality:
Pakistan

Religion:
Islam

Mobility:
Willing to Re-locate

Availability:
Immediately Available

NIC #:
36502-3987584-1

Marital Status:
Married

EDUCATION

2017-2019 MS(CS)	**COMSATS UNIVERSITY ISLAMABAD, Sahiwal Campus** CGPA 3.34/4
2017-2019 B. ED	**Allama Iqbal Open University, Islamabad** 68%
2013-2017 BS(CS)	**COMSATS UNIVERSITY ISLAMABAD, Sahiwal Campus** CGPA 2.89/4
2011-2013 Intermediate	**PUNJAB College, Sahiwal Campus** 69.18%
2009-2011 Matriculation	**LASANI Public High School, Sahiwal** 88%

OBJECTIVE

Conducting world-class research with the latest technology, and the development of tools and techniques. Make students habitual of research. Practical knowledge is more important as the student does market of the institute. I will compare good things from other top institution with this one and bring suggestions to change for a top institute. I can change the academic and administration points.

SKILLS

1. Software and web application development using JAVA, C, C++, MATLAB, and R
2. Hands on experience in C# desktop application building
3. Extract and analyze information via SQL database
4. Develop interactive Web pages using HTML & CSS and ASP.net
5. I have good interpersonal communication skills
6. I am fluent in speaking, reading, and writing of English, Urdu, Punjabi, and other local languages
7. I also have the full command of Microsoft Office Suite including Project, Visio, and Draw.io
8. I can use Axure and Balsamiq for prototyping the application expertly
9. I have a good understanding of Latex

EXPERIENCE

Lecturer at BARANI Institute of Sciences Sahiwal
September 2019 - Present

Lecturer at Quaid-e-Azam College, Sahiwal
September 2018 - August 2019

Research Assistant at COMSATS University Islamabad, Sahiwal
September 2016 - Present

Teacher Assistant at COMSATS University Islamabad, Sahiwal
September 2016 - Present

SILK Bank, Sahiwal
6 Weeks Official Internship

MS Thesis

A Smart Assessment Methodology to Measure and Analyze Google Play Store

Conferences Attended

FIT 2017: Frontiers of Information Technology Conference venue Serena Hotel Islamabad
IBCAST 2019: 16th International BHURBAN Conference on Applied Sciences and Technology venue National Center for Physics (NCP), Islamabad
ICMIT 2019: 525th International Conference on Management and Information Technology Held at Medina, Saudi Arabia on 15th -16th January 2019
ICOMET 2019: 2nd International Conference on Communication, Computing, Mathematics & Engineering, and Technology Heald In Sukkur Institute of Business Administration, Airport Road Sukkur, Sindh Pakistan on 30-31 January 2019
C-CODE' 2019: 2nd International Conference on Communication, Computing and Digital Systems (C-Code' 19) On 6-7 March 2019 in Islamabad
KINNAIRD'S 2019: 1ST International Conference on Science, Technology and Innovation April 2nd-4th, 2019
ICCIS 2019: 3rd International Conference on Computing & Information Sciences 3rd and 4th April 2019
FIT 2019: Frontiers of Information Technology Conference venue COMSTECH Islamabad

Undergraduate Projects Supervise

1. A Simulation of IOT Based Smart Civilization Using CupCarbon
2. Vegi on Demand
3. Harfa: A Freelancing Platform
4. A Methodology for Context Aware System Using Ensemble Learning Technique
5. A Blockchain Technology transform the Healthcare Sector
6. A Cluster Analysis of Google Play Store Content Using Machine Learning Technique
7. Smart Water Quality Monitoring System using IoT
8. A Methodology for Lungs Disease Detection Using X-Ray Images
9. The Analysis of Rainwater Concentration Lever in Different Areas of Pakistan
10. A Smart Application for Analysis and Detection of Websites
11. Easy Way to Hostel Hunting
12. Mandyi: Animal Huntings
13. Easy Tour: An Application for Tourism
14. Warfare Car Robot
15. MEDIAC
16. Tourism pkg
17. Rivulet
18. Easy currency exchange platform
19. Opportunity Finder
20. Sahulat Bazar

21. Online Fuel Delivery Application
22. Veterinary care
23. Lungs Care: Multi Class of Lungs Disease
24. Egg Hunting

ACCEPTED RESEARCH PROPOSALS

1. Dr. Javed Ferzund (PI), Dr. Muhammad Farhan (Co-PI), **Rana M. Amir Latif** (Research Assistant) (2017), Smart Career Counselling Assistant, National Research Program for Universities Research grants 2017, 2.747655 PKR million, durations 2 years **(Accepted)**

PROFESSIONAL MEMBERSHIP

- Member of Editorial Manager for Ad Hoc Networks Journal
- Member of Editorial Manager for Computers & Graphics Journal
- Member of Editorial Manager for Informatics in Medicine Unlocked Journal
- Member of Editorial Manager for Computers in Human Behavior

BOOK PUBLICATIONS

1. **Rana M. Amir Latif**, Muhammad Farhan, Khalid Hussain, Noor Zaman Jhanjhi, Mamoona Humayun (2020), A Smart Assessment Methodology to Measure and Analyze Google Play Store, Eliva Press SRL Chisinau, Moldova, Europe, https://www.elivapress.com/en/book/book-4005241574/ (**Published**)

2. Kaleem Razzaq Malik, Muhammad Farhan, Noor Zaman Jhanjhi, **Rana M. Amir Latif**, Khalid Hussain, Syed Jawad Hussain (2020), A Methodology of Bi-Directional Data Transformation in Emerging Research and Opportunities, Eliva Press SRL Chisinau, Moldova, Europe, https://www.elivapress.com/en/book/book-8815653053/ (**Published**)

3. Muhammad Umer, **Rana M. Amir Latif**, Muhammad Farhan, Noor Zaman Jhanjhi, Mamoona Humayun, Syed Jawad Hussain (2020), A Smart Agriculture Land Suitability Detection Model Using Machine Learning with Google Earth Engine, Eliva Press SRL Chisinau, Moldova, Europe, https://www.elivapress.com/en/book/book-6184722213/ (**Published**)

BOOK CHAPTERS

1. Muhammad Yasir Bilal, **Rana M. Amir Latif**, NZ Jhanjhi, The Impact of The ICT In the Analysis of Visual Attention Using Facial Expressions of The Students, ICT Solutions for Improving Smart Communities in Asia, https://www.igi-global.com/submission/book-projects/ (**Published**)

2. **Rana M. Amir Latif,** Javed Ferzund, Muhammad Farhan, NZ Jhanjhi, Muhammad Umer, A Case Study of Career Counseling for ICT, ICT Solutions for Improving Smart Communities in Asia, https://www.igi-global.com/submission/book-projects/ (**Published**)

3. Muhammad Farhan, Muhammad Salar Haider, NZ Jhanjhi, **Rana M. Amir Latif**, Muhammad Yasir Bilal, Qualitative Analysis for Visual Attention of Student by Using the Technology of ICT, ICT Solutions for Improving Smart Communities in Asia, https://www.igi-global.com/submission/book-projects/ (**Published**)

PUBLICATIONS IN THE JOURNALS

1. **Rana M. Amir Latif**, Samir Brahim Belhaouari, Saqib Saeed, Laiqa-Binte-Imran, Mazhar Sadiq, Muhammad Farhan, Integration of Google Play Content and Frost Prediction using CNN: Scalable IoT Framework for Big Data, IEEE Access, https://ieeeaccess.ieee.org/ **(Published) (IF: 4.098)**

2. Muhammad Ramzan, Shahid Mahmood Awan, Hamza Aldbass, Muhammad Farhan, Dr. Shahid, and **Rana M. Amir Latif**, 30-January-2019, Internet of Medical things for smart D3S to Enable Road Safety, International Journal of Distributed Sensor Networks., ID: DSN-19-0060, https://journals.sagepub.com/page/dsn/collections/special-issues/het-iomt-ambient-assisted-living **(Published) (IF: 1.787)**

3. **Rana M. Amir Latif**, Osama Rizwan, Muhammad Farhan, Majid Hussain, Sohail Jabbar, Shahzad Khalid, 25-Jan-2020, Retail Level Blockchain Transformation for Product Supply Chain using Truffle Development Platform, Manuscript ID: CLUS-D-19-00781, https://www.springer.com/journal/10586, **(Published) (IF: 3.458)**

4. Laiqa Binte Imran, **Rana M. Amir Latif**, Muhammad Farhan, Hamza Aldabbas, "Smart City based Autonomous Water Quality Monitoring System Using WSN", Manuscript ID: WIRE-D-18-01682R1, https://www.springer.com/journal/11277, **(Published) (IF: 1.061)**

5. **Rana M. Amir Latif**, Khalid Hussain, NZ Jhanjhi, Anand Nayyar, Osama Rizwan, "A Remix IDE: Smart Contract-Based Framework for The Healthcare Sector by Using Blockchain Technology", in Multimedia Tools and Applications, https://www.springer.com/journal/11042 **(Published) (IF: a)**

6. Hamza Aldabbas, Abdullah Bajahzar, Ali Adil Qureshi, **Rana M. Amir Latif**, Muhammad Farhan, Google Play Content Scraping and Knowledge Engineering Using Natural Language Processing Techniques with The Analysis of User Reviews, Journal of Intelligent Systems, Manuscript Id: JISYS.2019.0149, Submission Date: 27-May-2019 https://www.degruyter.com/view/j/jisys **(Published) (Emerging Sources Citation Indexing)**

7. Laiqa-Binte-Imran, **Rana M. Amir Latif**, Muhammad Farhan, Tayyaba Tariq, 21-Feb-2019, Real-Time Simulation of Smart Lightening System in Smart City, International Journal of Space-Based and Situated Computing, ID: IJSSC_246981, https://www.inderscience.com/jhome.php?jcode=ijssc **(Published) (Emerging Sources Citation Indexing)**

8. **Rana M. Amir Latif**, Muhammad Umer, Muhammad Farhan, Syed Umair Aslam Shah, and Farah Ijaz, A Smart Methodology for Analyzing Chronic Kidney Disease Detection Journal of Natural and Applied Sciences Pakistan, Manuscript ID: JNASP/2019/0127 http://oric.kinnaird.edu.pk/coming-attractions/ **(Published)**

9. Muhammad Nadim, **Rana M. Amir Latif,** Khalid Hussain, NZ Jhanjhi, Mehedi Masud, Saleh Yahya Alyahyan, Riyaz Ahamed Ariyaluran Habeeb, "Towards Requirements Elicitation and Analysis Model for Distributed Audience" Turkish Online Journal of Qualitative Inquiry, https://www.tojqi.net/index.php/journal/article/view/2912 **(Published)**

10. Muhammad Nadim, **Rana M. Amir Latif,** Khalid Hussain, NZ Jhanjhi, Mehedi Masud, Saleh Yahya Alyahyan, Mamoona Humayun, "A Framework for Software Customization in Global Software Development (GSD)" Turkish Online Journal of Qualitative Inquiry, https://www.tojqi.net/index.php/journal/article/view/2905 **(Published)**

11. Muhammad Nadim, **Rana M. Amir Latif,** Khalid Hussain, NZ Jhanjhi, Mehedi Masud, Saleh Yahya Alyahyan, "Database Management System (DBMS): A Cloud-Enabled Service for Small to Medium Enterprise" Turkish Online Journal of Qualitative Inquiry, https://www.tojqi.net/index.php/journal/article/view/2904 **(Published)**

12. Sobia Wassan, Chen Xi, Tian Shen, Kamal Gulati, Kinza Ibraheem, **Rana M. Amir Latif**, "The Impact of Online Learning System on Students Affected with Stroke Disease", Behavioural Neurology, vol. 2022, Article ID 4847066, 14 pages, 2022. https://doi.org/10.1155/2022/4847066 **(Published) (IF: 3.342)**

PROCEEDINGS IN THE CONFERENCES

1. **Rana M. Amir Latif**, M. Talha Abdullah, Syed Umair Aslam Shah, Dr. Muhammad Farhan and Farah Ijaz (2018), Data Scraping From Google Play Store and Visualization of Its Content for Analytics, Track Computing, 2nd International Conference On Communication, Computing, Mathematics & Engineering And Technology (ICOMET 19) on 30-31 January 2019 In Sukkur Institute of Business Administration, Airport Road Sukkur, Sindh Pakistan http://icomet.iba-suk.edu.pk/ **(Published)**

2. Laiqa-Binte-Imran, M. Farhan, **Rana M. Amir Latif**, Ahsan Rafiq (2018), Design of An IOT Based Warfare Car Robot Using Sensor Network Connectivity, International Conference on Future Networks and Distributed Systems (ICFNDS 2018), June 26-27, 2018, Amman Jordan, https://dl.acm.org/citation.cfm?id=3231121 **(Published)**

3. Raiha Tallat, **Rana M. Amir Latif**, Ghazanfar Ali, Ahmad Nawaz Zaheer, Dr. Muhammad Farhan and Syed Umair Aslam Shah (2018), Visualization and Analytics of Biological Data by Using Different Tools and Techniques, Track Biomedical Sciences, 16th International BHURBAN Conference on Applied Sciences and Technology (IBCAST) http://www.ibcast.org.pk/ **(Published)**

4. **Rana M. Amir Latif**, Muhammad Umer, Tayyaba Tariq, dr. Muhammad Farhan, Osama Rizwan and Ghazanfar Ali (2018), A Smart Methodology for Analyzing Secure E-Banking and E-Commerce Websites, Track Cyber Security & Assurance Technologies, 16th International BHURBAN Conference on Applied Sciences and Technology (IBCAST) http://www.ibcast.org.pk/ **(Published)**

5. Muhammad Farhan, Abdul Karim, **Rana M. Amir Latif**, Tausif Anjum, A Methodology for Software Cost Estimation Using UML Formulation, Academics World 525th International Conference on Management and Information Technology (ICMIT) Will Be Held at Medina, Saudi Arabia, http://www.academicsworld.org/conference2019/saudiarabia/1/icmit/ **(Published)**

6. **Rana M. Amir Latif**, Osama Rizwan, Farah Ijaz, Syed Umair Aslam Shah and Dr. Muhammad Farhan (2018), Blockchain Framework for Retail Level Industry by Using a Supply Chain Rules and Regulation, Track Information Security, 2nd International Conference on Communication, Computing and Digital Systems (C-CODE' 19) on 6 – 7 March 2019 in Islamabad. https://ccode.bahria.edu.pk/ **(Published)**

7. Raiha Tallat, **Rana M. Amir Latif**, Dr. Muhammad Farhan, Ahmad Zaheer, Syed Umair Aslam Shah and Farah Ijaz (2018) Empirical Evaluation of Visual Graph Analytic Techniques, Track Computing, 2nd International Conference on Communication, Computing and Digital Systems (C-CODE' 19) on 6 – 7 March 2019 in Islamabad. https://ccode.bahria.edu.pk/ **(Published)**

8. Tayyaba Tariq, **Rana M. Amir Latif**, Dr. Muhammad Farhan, Adil Abbas and Farah Ijaz (2018) A Smart Heartbeat Analytics System Using Wearable Device, Track Computing, 2nd International Conference on

Communication, Computing and Digital Systems (C-CODE' 19) on 6 – 7 March 2019 in Islamabad. https://ccode.bahria.edu.pk/ **(Published)**

9. Abdul Karim, **Rana M. Amir Latif**, Muhammad Farhan, Muhammad Iqbal Younis, Osama Rizwan, Arslan Haider, Software Quality Assurance Practices in Mobile Application Environment, ICCIS 2019: International Conference on Computing & Information Sciences Main Campus, Korangi Creek, Near PAF-Base, Karachi, Pakistan Karachi, Pakistan, April 3-4, 2019 http://iccis.pafkiet.edu.pk **(Published)**

10. **Rana M. Amir Latif**, Dr. Muhammad Farhan, Laiqa-Binte-Imran, Kashif Manzoor, Tayyaba Tariq and Hassan Raza, Real-Time Simulation of IOT Based Smart Home System and Services Using RFID, ICCIS 2019: International Conference on Computing & Information Sciences Main Campus, Korangi Creek, Near PAF-Base, Karachi, Pakistan Karachi, Pakistan, April 3-4, 2019 http://iccis.pafkiet.edu.pk **(Published)**

11. Syed Umair Aslam Shah, **Rana M. Amir Latif**, Osama Rizwan, Muhammad Farhan, Yawar Abbas Abid and M. Imran Ashiq, A Blockchain Based Framework for Healthcare Transformation, KINNAIRD'S 1st International Conference on Science, Technology and Innovation April 2nd-4th, 2019 http://oric.kinnaird.edu.pk/coming-attractions/ **(Published)**

12. Khadija Khaliq, Ayesha Khaliq, Martinez Enriquez A. Muhammad Aslam, Muhammad Farhan and **Rana M. Amir Latif**, Using Vessel's Location Map and Frangi Enhancement Filter an Efficient Retinal Vessel Segmentation, KINNAIRD'S 1ST International Conference on Science, Technology and Innovation April 2nd-4th, 2019 http://oric.kinnaird.edu.pk/coming-attractions/ **(Published)**

13. Syed Umair Aslam Shah, M. Kashif Manzoor, **Rana M. Amir Latif**, Dr. Muhammad Farhan and M. Imran Ashiq (2019), A Novel Routing Protocol Based on Congruent Gravity Value for Underwater Wireless Sensor Networks, Adaptive Systems, Networks, IOT & Cloud Computing, 17th International Conference on Frontiers of Information Technology (FIT'19) http://fit.edu.pk/ **(Published)**

14. **Rana M. Amir Latif**, Laiqa-Binte-Imran, Dr. Muhammad Farhan, Mohamed Jaward Bah, Ghazanfar Ali and Yawar Abbas Abid (2019), Real-Time Simulation of IoT Based Smart Home Live Mirror Using WSN, Adaptive Systems, Networks, IOT & Cloud Computing, 17th International Conference on Frontiers of Information Technology (FIT'19) http://fit.edu.pk **(Published)**

15. Tayyaba Tariq, Javed Frezund, Muhammad Farhan, **Rana M. Amir Latif**, Azka Mehmood (2019), Structure Analysis of Protein Data Bank Using Python Libraries, Biosciences, 17th International BHURBAN Conference on Applied Sciences and Technology (IBCAST) http://www.ibcast.org.pk/ **(Published)**

16. **Rana M. Amir Latif,** Muhammad Rehan Naeem, Osama Rizwan and Muhammad Farhan (2021), A Smart Technique to Forecast Karachi Stock Market Share-Values using ARIMA Model, 18th International Conference on Frontiers of Information Technology (FIT'21) http://fit.edu.pk **(Published)**

EXTRA-CURRICULAR PARTICIPATIONS

1. Certified with Internship certificate from Silk Bank Sahiwal
2. Certified with Merit Scholarship from Punjab College Sahiwal
3. Certified with Teacher Assistant certificate from COMSATS UNIVERSITY ISLAMABAD, Sahiwal
4. Certified with Research Assistant certificate from COMSATS UNIVERSITY ISLAMABAD, Sahiwal

REFERENCE

Prof. Dr. Khalid Hussain
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Mobile # +92-321-6005666

Dr. Muhammad Farhan
Assistant Professor
Department of Computer Science
Email: farhan@cuisahiwal.edu.pk
Mobile # +92-332-4428802

Dr. Munwar Iqbal
Assistant Professor
Department of Computer Science and Engineering
Email: munwar.iq@uettaxila.edu.pk
Mobile # +92-303-4325988