

Dr. Syed Ali Raza

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PROFILE:

I have been serving educational and non-educational organizations for the last 19 years. Envisaging a vibrant and dynamic Pakistan, I have successfully been overcoming the challenge of making individuals and organizations, to realize their potential by making them appreciate hard work and dedication, in my capacity.

PROFESSIONAL EXPERIENCE

GC University, Lahore (Oct 2009 to till now)

- **Assistant Professor** (08-09-2022 to till now)
 - Program Coordinator of BS(AI) and MS(AI)
 - Advisor IEEE GCU Student Branch
 - Advisor GCU-ACM Student Chapter
 - Member GCU Board of Faculties
 - Member GCU Purchase Inspection Committee
- **Lecturer** (Sep 2011 to 07-09-2022)
- **Visiting Lecturer** (Apr 2011 to Sept 2011)
- **Research Associate** (Oct 2009 to Apr 2011)

Leadership College Multan (Sep 2007 to Aug 2008)

- **Lecturer**
 1. Delivered Lectures at BSc, B.Com & ICS level.
 2. Supervised and Maintained MIS of the College.

JBC Enterprises Multan (Nov 2006 to Aug 2007)

- **MIS Incharge**
 1. Developed MIS for controlling and managing Stock, Sales and Purchases.
 2. Design and Developed the website of the company.
 3. Organized Online Business for the company.
 4. Lead 15 staff members working at different levels.

EDUCATION AND QUALIFICATIONS

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|-----------------------|---------------|
| ○ Ph. D. (CS) | NCBA&E Lahore |
| ○ MS (CS) (3.67 CGPA) | GCU Lahore |
| ○ BS (CS) (A Grade) | A.I.O.U. |

MEMBERSHIP, HONOUR AND AWARDS

- Member, Selection Board of the University of South Asia since 2023.
- Elected Chair, Educational Activities Committee in Executive Committee of IEEE Lahore Section, Pakistan during 2022-2024
- Member, Qualification Equivalence Determination Committee of Higher Education Department, Government of the Punjab during 2020-2023

RESEARCH WORK

- PhD Thesis under the title of **Intelligent Architecture for Content Based File Organization**

using Machine Learning

- MS Thesis under the title of **Ontogenetic and Phylogenetic Control in Conscious Robots**

PUBLICATIONS

1. **Automated File Labeling for Heterogeneous Files Organization Using Machine Learning**
Sagheer Abbas, Syed Ali Raza, Muhammad, Adnan Khan, Atta-ur-Rahman, Kiran, Computers, Materials & Continua 74 (2), 3263-3278, 2023
2. **Content Based Automated File Organization Using Machine Learning Approaches,**
Syed Ali Raza, Sagheer Abbas, Taher M. Ghazal, Muhammad Adnan Khan, Munir Ahmad, Hussam AlHamadi, Computers, Materials & Continua, 73(1), PP. 1927–1942, 2022
3. **Bidirectional Encoder Approach for Abstractive Text Summarization of Urdu Language,**
Muhammad Asif, **Syed Ali Raza**, Javed Iqbal, Nousheen Perwaiz, Tauqeer Faiz, Shan Khan, 2022 International Conference on Business Analytics for Technology and Security (ICBATS), 8-Jan 2022, IEEE
4. **XML-based Descriptive Language for Cognitive Architectures,**
Iram Nasir, Mudassir Iqbal, **Syed Ali Raza**, International Journal of Computational and Innovative Sciences, 1(2), PP. 21-34, 2022
5. **Emotion Based Signal Enhancement Through Multisensory Integration Using Machine Learning**
Muhammad Adnan Khan, Sagheer Abbas, **Ali Raza**, Faheem Khan, Whangbo, T., CMC-Computers, Materials & Continua, 71(3), PP. 5911-5931, 2022, Tech Science Press
6. **Design and Development of AI-Based Tourist Facilitator and Information Agent,**
Adeel Munawar, **Syed Ali Raza**, Qasim Awais, Applied Computer Systems, 25(2), PP. 124-133, 2020
7. **Artificial Neural Network based Emotion Classification and Recognition from Speech,**
Mudasser Iqbal, **Syed Ali Raza**, Muhammad Abid, Furqan Majeed, Ans Ali Hussain, International Journal of Advanced Computer Science and Applications, 11(12), 2020, Science and Information (SAI) Organization
8. **Context based emotion analyzer for interactive agent,**
Malik Mubasher Hussain, **Syed Ali Raza**, HM Shehzad Asif, International Journal of Advanced Computer Science and Applications, 8(1), 2017, Science and Information (SAI) Organization
9. **Learning Based Integrated Metacognitive Architecture for Conscious Agents (LIMA),**
Syed Ali Raza, Muhammad Azam, HM Shahzad Asif, Syed M. Ahsan, Asma Kanwal, IJCSIS, 14(11), PP. 507-515, 2016
10. **Real time hand gesture recognition using PC camera,**
Asma Kanwal, Muhammad Usman Ghani, Kashif Ali, Khan, Muhammad Shehzad Asif, Syed Muhammad Ahsan, **Syed Ali Raza**, International Journal of Computer Science and Information Security, 14(11), 2016, LJS Publishing
11. **ASIA: Attention driven pre-conscious perception for socially interactive agents,**

Syed Ali Raza, Asma Kanwal, Muhammad Rehan, Kashif Ali Khan, Muhammad Aslam, Hafiz Muhammad Shehzad Asif, 2015 International Conference on Information and Communication Technologies (ICICT), 8-Jan 2015, IEEE

12. An Essential Framework For Concept Based Evolutionary Quranic Search Engine (CEQSE),

Syed Ali Raza, Muhammad Rehan, Amjad Farooq, SM Ahsan, M Saleem Khan, Science International, 26(1), 2014

13. SKANS: Secure Knots At the eNdS,

Syed Ali Raza, Tanwir Ahmad, Asma Basharat, Islamic Countries Society of Statistical Sciences, 2012

WORKSHOP & CONFERENCES

- 2nd International Conference on Recent Advances in Computer Science & Information Technology (RACSIT-2024)
- 2022 International Conference on Business Analytics for Technology and Security (ICBATS)
- 2015 International Conference on Information and Communication Technologies (ICICT) at IBA Karachi
- 11th International Conference of Islamic Countries Society on Statistical Sciences at UMT Lahore, 2011.

MS Thesis Supervision

1. **Real Time Plagiarism Detection for Urdu Language**
Mr. Waqas Siddique (Completed in 2025)
2. **Depression Analysis from Urdu Text using Deep Learning Approaches**
Mr. Rizwan Idrees (Completed in 2025)
3. **Framework for Semantically Enhanced Information Retrieval from the Holy Quran**
Mr. Muhammad Shehryar Sherazi (Completed in 2024)
4. **Qualitative factors of virtual machine load balancing**
Mr. Ali Fraz Khan (Completed in 2023)
5. **A Geo-Located Twitter Sentiments Polarity Analysis Through Opinion Mining**
Mr. Farhat Rehman (Completed in 2022)
6. **Sentiment Analysis for Product Reviews in Roman Urdu**
Ms. Ayesha Yousaf (Completed in 2022)
7. **Abstractive Text Summarization for Urdu Language**
Ms. Nosheen Pervaiz (Completed in 2020)
8. **Design and Development of Automatic Summarization System**
Ms. Sidra Akbar (Completed in 2018)
9. **Design Development of Intelligent Tourist Guide and Information System**
Mr. Adeel Munawar (Completed in 2018)
10. **Localisation Mechanism for Multisensory Integration using Psychophysiological States**

Ms. Hira Khan (Completed in 2016)

11. XML Architecture Description Language

Ms. Iram Nasir (Completed in 2016)

12. Design and Implementation of PAM as a Basis for Implicit Processing of Multisensory Stimuli in Cognitive Machines

Ms. Sehrish Sajjad (Completed in 2015)

13. Learning Opponents Emotional States Using Artificial Mirror Neurons

Ms. Sumbal Maqsood (Completed in 2015)

14. Modeling and Simulation of Attitudes for Cognitive Agents

Ms. Madeeha (Completed in 2015)

15. Quantum Computing based Phylogenetic Control in Motivational Architecture of Conscious Machines

Mr. Rao Amjad Ali (Completed in 2013)