

SAFIA YASMEEN

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Innovative computer science professor mindful of student engagement and interest who thrives on experiential learning. Time-tested designer of targeted lectures with audience in mind, devising most effective methods for helping participants acquire intended information. Creative thinker with flexibility to allow audience to guide direction of lectures and achieve most out of interdisciplinary education experience.

EXPERIENCE

Lecturer, SE Program | Alfaisal University August 2015 - Current

- Teach introductory Software technology and data management applications courses to underclassmen as part of university's general education core curriculum.
- Participate with other department faculty members in offering advanced computer science courses to students pursuing bachelor's degrees in fields related to computer and information technology.
- Instruct and mentor individual applied technology and computer science majors as they work their way through each department's undergraduate programs.
- Assist department staff in managing and maintaining the university's main computer lab, working rotating shifts to ensure it remains open for students during both day and evening hours.
- Work with department chair as well as university admissions department annually to arrange class schedules for each academic semester.
- Maintain regular office hours during the academic semester to be available to meet with students individually when needed.

Lecturer in Computer Science | King Khalid University Abha - September 2009 - August 2015.

Demonstrated a high level of initiative and creativity while tackling difficult tasks.

- Worked effectively in fast-paced environments.
- Worked with teacher to optimize learning plans based on student test grades and evaluations.
- Assisted in maintaining an engaging and respectful educational environment by promoting discipline and cooperation.
- Completed daily reports on attendance and disciplinary performance.
- Maintained safety and security by overseeing students in recess environments.
- Presented wide range of information to students using hands-on instructional techniques for effective comprehension.

- Supported classroom maintenance and upkeep, organizing books and materials.

**Assistant Professor | Mufakham Jha College of Engineering and Technology
Hyderabad, Telangana State - March 2006 - September 2009.**

- Built strong rapport with students through class discussions and academic advisement.
- Facilitated academic and community collaborations to increase number of community-engaged research proposal submissions to extramural funders.
- Contributed to planning appropriate and engaging lessons for both classroom and distance learning applications.
- Mentored students and communicated internship and employment opportunities.
- Handled classroom administration for professors.
- Helped struggling students by providing support outside of classrooms and consistently checking in on progress.
- Evaluated and supervised student activities and performance levels to provide reports on academic progress.

**Assistant Professor | Green Fort College of Engineering and Technology Hyderabad,
Telangana State - March 2006 - September 2009.**

- Developed and implemented innovative teaching strategies to engage students in lectures and coursework.
- Created and designed quizzes, tests, and projects to assess student knowledge.
- Utilized distance learning technology to instruct students remotely.
- Collaborated with faculty and staff to create meaningful learning experiences.
- Participated and led committee meetings to remain aware of developments in the subject.
- Arranged syllabus, developed schedule, and determined reading list for varied courses simultaneously, giving students appropriate time to complete assignments and absorb information.
- Conducted individual research projects to actively contribute to institution's research work.
- Evaluated and supervised student activities and performance levels to provide reports on academic progress.

EDUCATION

- PhD in computer science (ai and machine learning)-registered – Shri Jagdish prasad Jhabarmal Tibrewala University, (2022- to current).
- Post Graduate Program in Artificial Intelligence and Machine Learning: Business Applications – June 2023.
- Master in computer application, 2002-2005. Mufakham Jha College of Engineering and Technology, Osmania University. Hyderabad, Telangana, India.
- Bachelors in science, 2000-2002. Shadan Women Degree College, Osmania University, Hyderabad, Telangana, India.

SUBJECT TAUGHT

Programming using C++, & Java. Software Testing and Quality Assurance, Software Engineering System Analysis and Design using UML, Algorithm and Design Operating Systems, Discrete Mathematics, Human Computer interface design. Professional Documentation and Practices.

SKILLS

Programming languages (C/C++, Java, HTML), Rational Rose, WEKA, Proficient in MS Word, Power Point and Excel, LMS-Blackboard, Moodle, Exam soft, E-Learning, Blended Courses, Moodle, Project based Learning.

OTHER LERANINGS

<https://www.credly.com/users/safia-yasmeen>

RESEARCH AND PUBLICATIONS

- Clustering algorithms for connection-oriented telecommunication data: performance-based comparison of Fuzzy C-Mean, Robust Fuzzy C-Mean and possibilist c-means. Pooja Pooja, Rakesh Kumar, **Safia Yasmeen**, Gaurav Dhiman and Amandeep Kaur. 7thInternational Conference on Computing Sciences-2023 (KILBY100) **06 May 2023**
- The Composite Approach for Linear Fractional Programming Problem in Fuzzy Environment. Pooja Pooja, Rakesh Kumar, **Safia Yasmeen**, Gaurav Dhiman and Amandeep Kaurandeeep Kaur, 7thInternational Conference on Computing Sciences-2023 (KILBY100) **06 May 2023**
- **Chapter**, Wireless Technologies & Internet of Things, Vikrant Pachouri, Samta Kathuria, Shweta Pandey, Rajesh Singh, Anita Gehlot, Shaik Vaseem Akram, Praveen Malik, **Safia Yasmeen**, ISBN 9781032460581- 392 Pages 128 B/W Illustrations. **October 26, 2023** by CRC Press
- **Chapter**, Principles and Goals of Industry 4.0, Book titled Artificial Intelligence and Blockchain in Industry 4.0, *K. Umapathy, D. Muthukumaran, G. Poojitha, A. Sai Samvida, S. Prabakaran, Safia Yasmeen*, publisher Taylor & Francis. ISBN 9781032460581- 392 Pages 128 B/W Illustrations. **October 26, 2023** by CRC Press.
- **Patent-2-** Utility Model: System for secure data communication in smart home environments through machine learning, DE: 20 2023 100 942.5., K. Yadav and **Safia Yasmeen**. **May- 2023**.
- The Imperial Study of E-Learning Policy in Higher Education of Saudi Arabia, **Safia Yasmeen**, Neuro quantology | **November 2022** | Volume 20 | Issue 17 | Page 2093-2100 | Doi: 10.14704/Nq.2022.20.17. Nq880271.
- **Patent-1-** Utility Model: Cardiovascular diseases detection system based on ML using IoT sensors, DE:20 2022 106 913.1., K. Yadav and **Safia Yasmeen**. **December 2022**

- Dr. Mohammed Faisal, Saud Abdullah Al-Riyami, **Safia yasmeen**. Intelligent Recommender System Using Machine Learning to Reinforce Probation Students in OMAN Technical Education. *IJCA* **2020**, 13, 349 - 357.
- **Safia Yasmeen**, Dr. G. Manoj Someswar. A Comprehensive Research Study on Participant's Maintenance Effort and Effort Adjustment Factor for Performance Appraisal of Computer Programmers. *IJR*-2018.
- Evaluation of Calibration Techniques to Build Software Cost Estimation Models. *IJEAT*-2016, **Safia Yasmeen**, Dr. G. Manoj Someswar.
- Design & Development of a Suitable Model to Validate New Estimation Approaches for Effective Performance, Accepted, *IJACT*-016. **Safia Yasmeen**,
- Software Bug Detection algorithm using Data Mining Tool. Accepted, *IJIRAE*-2014. **Safia Yasmeen**.
- Secure authenticating system using 3D Password. Accepted, *IndiaCom*-2012. **Safia Yasmeen**, Ms. Jameela Bano, Voice Biometrics An Identification Engine for Information Security. Presented, *ICACT*-2008.

ACADEMIC ROLES

- Capstone Guide for Software Engineering Undergraduate Students, undergraduates, Alfaisal University 2021-2022.
- Coordinator Library committee, Software Engineering Department, Alfaisal University (2017-Current).
- Student Advisor, Software Engineering Department, Alfaisal University (2017-Current).
- Coordinator for Events and Library committee, Software Engineering Department, Alfaisal University (2017-18).
- Coordinator for Internships, College of Software Engineering, Alfaisal University (2016-17).
- Coordinator of Recruiting and interview Department of CS & IS, king khalid university. (2014 - 2015).
- Coordinator of Research Department of CS & IS, king khalid university. (2013 - till date).
- Sub-Coordinator of Examination Department of CS & IS, king khalid university. (2013 - 2015).
- Sub-Coordinator of community services of CS. & IS, king khalid university. (2013 - 2015).
- Have been an Examiner Quality reviewer, College of Science King Khalid University-2013-14.
- Co-coordinator for “Instructional Methodologies foundation of Computer Science-09”, *MJCET*.
- Have been Faculty Coordinator for “National Technical Festival ADSOPHOS-09”, *MJCET*.

ACHIEVEMENTS

- Master in Artificial Intelligence Mastry Award 2020, IBM.
- AI Analyst 2020 AI Analyst Certificate 2020,IBM.
- Reviewer, International Journal of Systems Assurance Engineering and Management (IJS-A-19).
- Outstanding Women in Science for Venus International Women Awards-2018, India.
- Internal Research Grant at Alfaisal University -2017-18. Riyadh, KSA.
- Nominated for Governors Award-Excellence in teaching, GRACAD, Hyderabad, India-2017.
- Lecturer of the year Award, Mufakkham Jha college of Engineering and Technology, Osmania University, 2009.
- National Event Organization Certificate for ADSOPHOS-09, Mufakkham jha college of Engineering and Technology, Osmania University,2009.

WORKSHOPS AND TRAININGS

- Bootcamp on Artificial Intelligence by ZAKA Academy, 2022.
- Artificial Intelligence Badge V2, Issued by [IBM](#), 2020.
- Artificial Intelligence Analyst Mastry Certificate IBM 2020.
- Build your own chat bot (Innovator) Build your own chat bot (Innovator). IBM.
- Oracle public sector symposium, Riyadh, 3rd April, 2019.
- Second scientific forum for Scientific Publishing mechanism with IET Publisher, Saudi Digital Library, Riyadh, 13th March 2019.
- Exam Soft as an Assessment Tool part -III, Presented by: Eng. Sadeq Abu Dawas, College of Medicine, Alfaisal University, 5th February, 2019.
- Exam Soft as an Assessment Tool part -II, Presented by: Eng. Sadeq Abu Dawas, College of Medicine, Alfaisal University, 24th January, 2019.
- Exam Soft as an Assessment Tool part I, Presented by: Eng. Sadeq Abu Dawas, College of Medicine, Alfaisal University, 17th January, 2019.
- Introduction to Exam Soft as an Assessment Tool, Presented by: Eng. Sadeq Abu Dawas, College of Medicine, Alfaisal University, 17th January, 2019.
- Oracle IMPACT, AI, IoT, Block chain, Riyadh, 6th November, 2018.
- ABET accreditation introductory sessions and assessment of learning outcomes, by Dr. Mohammed Al Attar November-2018.

- Participated in workshop for “Management of Intended Learning Outcomes (ILOs), a walk through.
- “Evaluation of assessments and feedback to analyses achievement of Intended Learning Outcomes”, by Dr. Rachid Sammouda. King Saud University. 7th Dec 2017.
- Participated in workshop for “Train the Trainer” Alfaisal University, 16th Nov 2017.
- Participated in workshop for “Course Specification: Step by Step, a vital file for all offered courses”, Alfaisal university, 23rd Nov 2017.
- Participated in workshop for “Course Learning Outcomes (CLOs), an essential concept in outcomes based education”, Alfaisal University, 30th Nov 2017.
- Three-day NCAAA workshop training, Alfaisal University 25 to 27 Jan, 2016.
- Participated in workshop of blue mix, by IBM, December 2015.
- Participates in 3rd Engineering Research Forum at Prince Sultan University 22 -24 Nov. 2015.
- Participated in Workshop for Interactive learning techniques – college of science and Arts, at King Khalid University on 6th January 2014.
- Participated in Workshop for Course Specification and Report for quality--National Commission for Academic Accreditation & Assessment on 2nd January 2014.
- Teachers - A Major Factor for Successful Educational Systems: Reflections based on Finnish Teacher
- Education - Prof Arja Virta, in “The International Exhibition and Forum for Education 2013 (iefe-2013)”.
- Education Assessment and Developing a Comprehensive Qualifications Framework -Tim Oates.
 - “The International Exhibition and Forum for Education 2013 (iefe-2013)”.
- Key Strategies to Implement Comprehensive Quality Assurance Systems and Effective Self Evaluation in Education - Bogusia Matusiak-Varley. “The International Exhibition and Forum for Education 2013 (iefe-2013)”.
- Designing a Curriculum Evaluation - Dr. Dorothy Harnish. “The International Exhibition and Forum for Education 2013 (iefe-2013)”.
- Modern Technologies in Learning; New Pedagogy – New Evaluation -Mervi Jansson-Aalto. “The International Exhibition and Forum for Education 2013 (iefe-2013)”.
- “Conducting Educational Design Research “, Third International conference on E-learning and Distance Learning -2013, 4-7 Feb, 2013. Ritz-Carlton, Riyadh, Kingdom of Saudi Arabia
- Participated in workshop of Rational Rose Tool organized by IBM at Mufakkham jah college of engineering and technology,2010.

- Participated in national workshop for Software Engineering held at Mufakkham jah college of engineering and technology by ACM-2010
- Have been Faculty Coordinator for “National Technical Festival ADSOPHOS-09”.
- Participated in workshop for “Instructional Methodologies foundation of Computer Science-09”.
- Did a certification software Testing Tools like Win runner, load runner, rational suite, QTP.
- Use this section to highlight your relevant passions, activities, and how you like to give back. It’s good to include Leadership and volunteer experiences here. Or show off important extras like publications, certifications, languages and more.