

Academic Resume



Amin Noaman

Professor, Computer Science Department

Vice President of Graduate Studies and Scientific Research

Contact Information.

Room 141, anoaman@kau.edu.sa.

Highest Degree.

1999, Ph.D. in Computer Science, Data Warehousing, University of Manitoba, Canada.

Academic and Professional Experiences.

1. **2021 - Present**
Vice President of Graduate Studies and Scientific Research, Jeddah, KAU.
2. **2019 - 2020**
Deputy Minister of Education for School Affairs, Riyadh, Ministry of Education.
3. **2016 - Present**
Professor, Computer Science Department, KAU.
4. **2016 - 2019**
Vice President of Development, Jeddah, KAU.
5. **2012 - 2016**
Dean, Deanship of Admission and Registration, KAU.
6. **2010 - 2012**
Vice Dean for Systems, Deanship of Information Technology, KAU.
7. **2006 - 2010**
Vice Dean for Information, Deanship of Admission & Registration, KAU.
8. **2003 - 2005**
Vice Dean of Technology and Development, Jeddah Community College, KAU.
9. **2001 - 2001**
IT Consultant, K.S.A., Saudi Aramco Company.
10. **2001 - 2001**
IT Consultant, K.S.A., Okaz Organization for Press and Publication.
11. **2000 - 2000**
IT Consultant, K.S.A., Turning Point Company.

Research Interests.

Distance learning, Data warehousing, Decision support systems, Mobile computing.

Teaching Interests.

Databases.

Certifications and Trainings.

1. SAP certified consultant.
2. BVQI certified auditor.

Social, Scientific and Professional Affiliation.

1. -, Member, Member of the contract with the Egyptian universities.
2. -, Member, Supervision and follow-up of a number of committees Jeddah Community College (curriculum development, accreditation, information technology, distance education, purchases).
3. -, Member, Member of the Committee overseeing communication programs and electronic media at the kau.
4. -, Member, Member of the Scientific Committee of the International Conference on Computer and Information.

Publications.

1. Shatha Abed Alsaedi, Amin Yousef Noaman, Ahmed A. A. Gad-Elrab, Fathy Elboursaey Eassa, "Nature-Based Prediction Model Of Bug Reports Based On Ensemble Machine Learning Model", Ieee Access, vol: 11, pp. 63916-63931, 2023.
DOI: [10.1109/ACCESS.2023.3288156](https://doi.org/10.1109/ACCESS.2023.3288156)
2. Norah Abdullah Al-johany, Fathy Elboursaey Eassa, Sanaa Abdullah Sharaf, Amin Y. Noaman, Asaad Ahmed, "Prediction And Correction Of Software Defects In Message-Passing Interfaces Using A Static Analysis Tool And Machine Learning", Ieee Access, pp. 1-1, 2023.
DOI: [10.1109/ACCESS.2023.3285598](https://doi.org/10.1109/ACCESS.2023.3285598)
3. Abdul Hamid M. Ragab, Amin Y. Noaman, Ayman I. Madbouly, Ahmed M. Khedra, Ayman G. Fayoumi, "Essam: An Assessment Model For Evaluating Students Satisfaction In E-Learning Environments", Ijaedu-International E-Journal Of Advances In Education, vol: 4, pp. 175-184, 2018.
DOI: [10.18768/ijaedu.455619](https://doi.org/10.18768/ijaedu.455619)
4. Amin Y. Noaman, Nabeela Al-Abdullah, Arwa Jamjoom, Abdul Hamid M. Ragab, Farrukh Nadeem, Anser G. Ali, "Knowledge Based E-Health Surveillance System For Predicting Hospital Acquired Infections", 2018 Ieee 42nd Annual Computer Software And Applications Conference (Compsac), pp. 345-351, 2018.
DOI: [10.1109/COMPSAC.2018.10255](https://doi.org/10.1109/COMPSAC.2018.10255)
5. Amin Y. Noaman, Abdul Hamid M. Ragab, Nabeela Al-Abdullah, Arwa Jamjoom, Farrukh Nadeem, Anser G. Ali, "Wmss: A Web-Based Multitiered Surveillance System For Predicting Clabsi", Biomed Research International, vol: 2018, pp. 1-11, 2018.
DOI: [10.1155/2018/5419313](https://doi.org/10.1155/2018/5419313)
6. Hamid, A., Ragab, M., El-quliti, S. A., Abdelaal, R., Mohamed, A. W., Mashat, A. S., Noaman, A. Y., Altalhi, A. H., "Strategic Decision Support System Based Hybrid Models For Colleges Enrollment Capacity Planning: Design & Implementation", International Science And Technology Conference (Istec2016). Vienna, Austria, 2017.
7. Hamid, A., Ragab, M., El-quliti, S. A., Abdelaal, R., Mohamed, A. W., Mashat, A. S., Noaman, A. Y., Altalhi, A. H., "Higher Education Admission Capacity Planning Using A Linearized Integer Goal Programming Model", Abstracts & Proceedings Of Socioint 2016- 3rd International Conference On Education, Social Sciences And Humanities, Istanbul, Turkey, 2017.
8. Hani Brdesee, Ayman Madbouly, Amin Yousef Noaman, Abdul Hamid Ragab, "A Comprehensive Data Mining Framework Used To Extract Academic Advising Knowledge From Social Media Data", International Technology, Education And Development Conference, pp. 7691-7700, 2017.
DOI: [10.21125/inted.2017.1783](https://doi.org/10.21125/inted.2017.1783)
9. Amin Yousef Noaman, Ayman Madbouly, Hani Brdesee, Fekry Fouad, "Assessing The Electronic Academic Advising Success: An Evaluation Study Of Advisors Satisfaction In Higher Education", International Technology, Education And Development Conference, pp. 7701-7709, 2017.
DOI: [10.21125/inted.2017.1785](https://doi.org/10.21125/inted.2017.1785)
10. Mashael M. Alsulami, Amin Y. Noaman, "Qincloud : An Agent Based System For Quering Encrypted Data In Cloud Databases", 9th International Conference On Networks & Communications, pp. 85-96, 2017.
DOI: [10.5121/csit.2017.71207](https://doi.org/10.5121/csit.2017.71207)
11. Vanessa Agredo Delgado, Pablo H. Ruiz, Cesar A. Collazos, Habib M. Fardoun, Amin Y. Noaman, "Software Tool To Support The Improvement Of The Collaborative Learning Process", vol: 735, pp. 442-454, 2017.
DOI: [10.1007/978-3-319-66562-7_32](https://doi.org/10.1007/978-3-319-66562-7_32)

Publications.

12. Said Ali El-Quliti, Abdul Hamid Mohamed Ragab; Reda Abdelaal; Ali Wagdy Mohamed, Abdulfattah Suliman Mashat; Amin Yousef Noaman; Abdulrahman Helal Altalhi, "Strategic Decision Support System Based Hybrid Models For Colleges Enrollment Capacity Planning: Design & Implementation", The Online Journal Of Science And Technology, 2017.
13. Abdul Hamid Ragab, Said Ali Hassan El-Quliti, Reda Abdelaal, Ali Wagdy, Abdulfattah Suliman Mashat, Amin Yousef Noaman, Abdulrahman Helal Altalhi, "Strategic Decision Support System Based Integrated Models For University Admission Capacity Planning", International Technology, Education And Development Conference, pp. 6218-6226, 2017.
DOI: [10.21125/inted.2017.1444](https://doi.org/10.21125/inted.2017.1444)
14. Mansour Almazroui, Osama Tayeb, Abdulfattah S. Mashat, Ahmed Yousef, Yusuf A. Al-Turki, M. Adnan Abid, Abdullah O. Bafail, M. Azhar Ehsan, Adnan Zahed, M. Ashfaqur Rahman, Abdualloh M. Mohorji, In-Sik Kang, Amin Noaman, Mohamed Omar, Abdullah M. Al-roqi, K. Ammar, Abdullah S. Al-Ghamdi, M. A. A. Hussein, Iyad Katib, Enda O'Brien, Naif R. Aljohani, M. Nazrul Islam, Ahmed Alsaedi, Young-Min Yang, Abdulrahman K. Alkhalaf, Muhammad Ismail, Abdulwahab Mashat, Fred Kucharski, Mazen Assiri, Salem Ibrahim, Michael Tippet, Irfan Ur Rashid, Shahzad Kamil, Adel Alahmadi, Rana M. Atif, Mohammed A. Bajunaid, Ahmed S. Hantoush, "Saudi-Kau Coupled Global Climate Model: Description And Performance", Earth Systems And Environment, vol: 1, 2017.
DOI: [10.1007/s41748-017-0009-7](https://doi.org/10.1007/s41748-017-0009-7)
15. Amin Y. Noaman, Farrukh Nadeem, Abdul Hamid M. Ragab, Arwa Jamjoom, Nabeela Al-Abdullah, Mahreen Nasir, Anser G. Ali, "Improving Prediction Accuracy Of "Central Line-Associated Blood Stream Infections" Using Data Mining Models", Biomed Research International, vol: 2017, pp. 1-12, 2017.
DOI: [10.1155/2017/3292849](https://doi.org/10.1155/2017/3292849)
16. Said Ali El-Quliti, Abdul Hamid Mohamed Ragab, Reda Abdelaal, Ali Wagdy Mohamed, Abdulfattah Suliman Mashat, Amin Yousef Noaman, and Abdulrahman Helal Altalhi, "Strategic Decision Support System Based Hybrid Models For Colleges Enrollment Capacity Planning: Design & Implementation", The Online Journal Of Science And Technology, 2017.
17. Osama H., Fathy E., Fadi F., Amin Y., Ayman I., Leon J., "Agent-Based Managing For Grid Cloud System - Design And Prototypal Implementation", International Journal Of Advanced Computer Science And Applications, vol: 8, 2017.
DOI: [10.14569/IJACSA.2017.080202](https://doi.org/10.14569/IJACSA.2017.080202)
18. Abdul Hamid Mohamed Ragab, Said Ali El-Quliti, Reda Abdelaal, Ali Wagdy Mohamed, Abdulfattah Suliman Mashat, Amin Yousef Noaman, Abdulrahman Helal Altalhi, "Higher Education Admission Capacity Planning Using A Large Scale Nonlinear Integer Goal Programming Model With Improved Differential Evolution Algorithm", Journal Of Computational And Theoretical Nanoscience, vol: 13, pp. 7864-7878, 2016.
DOI: [10.1166/jctn.2016.5787](https://doi.org/10.1166/jctn.2016.5787)
19. Amin Y. Noaman, José María Luna, Abdul H. M. Ragab, Sebastián Ventura, "Recommending Degree Studies According To Students' Attitudes In High School By Means Of Subgroup Discovery", International Journal Of Computational Intelligence Systems, vol: 9, pp. 1101, 2016.
DOI: [10.1080/18756891.2016.1256573](https://doi.org/10.1080/18756891.2016.1256573)
20. Alain Guerrero-Enamorado, Carlos Morell, Amin Y. Noaman, Sebastián Ventura, "An Algorithm Evaluation For Discovering Classification Rules With Gene Expression Programming", International Journal Of Computational Intelligence Systems, vol: 9, pp. 263, 2016.
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21. Ayman I. Madbouly, Amin Y. Noaman, Abdul Hamid M. Ragab, Ahmed M. Khedra, Ayman G. Fayoumi, "Assessment Model Of Classroom Acoustics Criteria For Enhancing Speech Intelligibility And Learning Quality", *Applied Acoustics*, vol: 114, pp. 147-158, 2016.
DOI: [10.1016/j.apacoust.2016.07.018](https://doi.org/10.1016/j.apacoust.2016.07.018)
22. Abdul Hamid M. Ragab, Osama S. Farag Alla and Amin Y. Noaman, "Encryption Quality Analysis Of The Rcbc Block Cipher Compared With Rc6 And Rc5 Algorithms", *International Bio-Metrics And Smart Government Summit (Ibmsgs 2015)*, 2015.
23. Amin Y. Noaman, Fekry Fouad Ahmed, "A New Framework For E Academic Advising", *Procedia Computer Science*, vol: 65, pp. 358-367, 2015.
DOI: [10.1016/j.procs.2015.09.097](https://doi.org/10.1016/j.procs.2015.09.097)
24. Amin Y. Noaman, Fekry Fouad Ahmed, "Erp Systems Functionalities In Higher Education", *Procedia Computer Science*, vol: 65, pp. 385-395, 2015.
DOI: [10.1016/j.procs.2015.09.100](https://doi.org/10.1016/j.procs.2015.09.100)
25. Mohammed I. Al-Twijri, Amin Y. Noaman, "A New Data Mining Model Adopted For Higher Institutions", *Procedia Computer Science*, vol: 65, pp. 836-844, 2015.
DOI: [10.1016/j.procs.2015.09.037](https://doi.org/10.1016/j.procs.2015.09.037)
26. Amin Y. Noaman, "Students Knowledge Based Advisor System For Colleges Admission With An Applied Case Study", *International Journal Of Research In Engineering And Science*, 2015.
27. Carlos M?rquez-Vera, Alberto Cano, Cristobal Romero, Amin Yousef Mohammad Noaman, Habib Mousa Fardoun, Sebastian Ventura, "Early Dropout Prediction Using Data Mining: A Case Study With High School Students", *Expert Systems*, vol: 33, pp. 107-124, 2015.
DOI: [10.1111/exsy.12135](https://doi.org/10.1111/exsy.12135)
28. Amin Y. Noaman, Abdul Hamid M. Ragab, Ayman I. Madbouly, Ahmed M. Khedra, Ayman G. Fayoumi, "Higher Education Quality Assessment Model: Towards Achieving Educational Quality Standard", *Studies In Higher Education*, vol: 42, pp. 23-46, 2015.
DOI: [10.1080/03075079.2015.1034262](https://doi.org/10.1080/03075079.2015.1034262)
29. Said Ali El-Quliti, Abdul Hamid Mohamed Ragab, Reda Abdelaal, Ali Wagdy Mohamed, Abdulfattah Suliman Mashat, Amin Yousef Noaman, Abdulrahman Helal Altalhi, "A Nonlinear Goal Programming Model For University Admission Capacity Planning With Modified Differential Evolution Algorithm", *Mathematical Problems In Engineering*, vol: 2015, pp. 1-13, 2015.
DOI: [10.1155/2015/892937](https://doi.org/10.1155/2015/892937)
30. Abdul Hamid M. Ragab, Amin Y. Noaman, Abdullah S. Al-Ghamdi, Ayman I. Madbouly, "A Comparative Analysis Of Classification Algorithms For Students College Enrollment Approval Using Data Mining", *The 2014 Workshop*, pp. 106-113, 2014.
DOI: [10.1145/2643604.2643631](https://doi.org/10.1145/2643604.2643631)
31. Mohammed I. Al-Twijri and Amin Y. Noaman, "Towards Developing A Powerful Data Mining Admission Model For Heus: King Abdul-Aziz University Case Study-Saudi Arabia", *International Blind Peer Reviewed Journal*, 2014.
32. Osama H. Younis, Fadi F. Fouz, Fathy E. Eassa and Amin Y. Noaman, "A Manager Of Grid Of Clouds For Enhancing Performance Of Distributed Computing", *Pensee Journal*, 2014.
33. Amin Yossif Noaman, Fekry Fouad, "Knowledge Sharing In Universal Societies Of Some Develop Nations", *International Journal Of Academic Research*, vol: 6, pp. 205-212, 2014.
DOI: [10.7813/2075-4124.2014/6-3/B.31](https://doi.org/10.7813/2075-4124.2014/6-3/B.31)
34. Abdul Hamid M. Ragab, Osama S. Farag Alla, Amin Y. Noaman and Khaled W. Magld, "Security Evaluation Of Robust Chaotic Block Cipher", *International Journal Of Soft Computing And Engineerin*, 2014.

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35. Abdul Hamid M. Ragab, Osama S. Farag Allah, Amin Y. Noaman, Khalid W. Magld, "Encryption Quality Evaluation Of Robust Chaotic Block Cipher For Digital Imaging", International Journal Of Recent Technology And Engineering, 2014.
36. Abdul Hamid M Ragab, Amin Youssef Noaman, Hassan Samir Al-Najjar, "Web Based Multimedia Adaptive E-Learning System For Teach Miracles Of The Holy Quran", 2013 Taibah University International Conference On Advances In Information Technology For The Holy Quran And Its Sciences, pp. 525-534, 2013.
DOI: [10.1109/NOORIC.2013.96](https://doi.org/10.1109/NOORIC.2013.96)
37. Amin Y. Noaman, Abdul Hamid M. Ragab, Ayman G. Fayoumi, Ahmed M. Khedra and Ayman I. Madbouly, "Heqam: A Developed Higher Education Quality Assessment Model", In Proceedings Of The 2013 Federated Conference On Computer Science And Information Systems (Fedcsis 2013), Pp.: 753,760, 2013.
38. , "Caam: A Novel Classroom Acoustics Assessment Model For Enhancing Learning Quality (Case Study: Kau)", 2nd International Workshop On Interaction Design In Educational Environments, pp. 3-13, 2013.
DOI: [10.5220/0004535200030013](https://doi.org/10.5220/0004535200030013)
39. Amin Y. Noaman and Fekry Fouad, "Ipmaact On Using Cloud Computing For E-Learning Solutions Within An International Standards", The Clute International Academic Conference Proceeding, Maui, Hawaii Usa, 2013.
40. Abdul Hamid Ragab, Amin Noaman, Ayman Madbouly, "Scadm: A Developed Smart Classroom Acoustics Design Model For Enhancing Educational Environment", Journal Of King Abdulaziz University- Computing And Information Technology Sciences, vol: 2, pp. 57-82, 2013.
DOI: [10.4197/comp.2-1.4](https://doi.org/10.4197/comp.2-1.4)
41. Amin Noaman, Fathy Essia, Mostafa Salah, "Web Services Based Integration Tool For Heterogeneous Databases", International Journal Of Research In Engineering And Science, vol: 1, pp. 16-26, 2013.
DOI: [10.9790/9364-0131626](https://doi.org/10.9790/9364-0131626)
42. Amin Y. Noaman and Sumaia Al Ghuribi, "A New Approach For Arabic Text Classification Using Light Stemmer And Probabilities", International Journal Of Academic Research, 2012.
43. Amin Y. Noaman and Amal Almansour, "Towards Achieving An Optimum Performance of Xml Data Into Both Types Of Xml Databases: Xml-Enabled Databases And Native Xml Databases", Middle East Journal Of Scientific Research, 2012.
44. Amin Noaman, Muhammad Alhashemy, "Study The Needs Of The It Sector To The National Cadres In The Disciplines Of Computing And Information Technology", Journal Of King Abdulaziz University- Engineering Sciences, vol: 22, pp. 213-242, 2011.
DOI: [10.4197/Eng.22-1.9](https://doi.org/10.4197/Eng.22-1.9)
45. Noura Meshaan Al-Otaibi and Amin Yousef Noaman, "Biological Data Integration Using Soa", International Journal Of Computer, Electrical, Automation, Control And Information Engineering, 2011.
46. Amin Noaman, S. Gamal, F. Essia A. Ezz, M. Salah, Mostafa Saleh, Shihab Gamaleldin, Fathy Eassa, "Developing An Author'S Request Manager Of Style-Based E-Learning", International Conference Of E-Learning And Distance Education, 2011.
47. Amin Noaman and Sultanah Al-Shammari, "Integration Strategy For The Biomedical Data Warehouse System Gmu Ware", The 24th International Symposium On Computer And Information Sciences (Iscis2009), 2009.
48. Amin Noaman, Shehab Gamalel-Din, Fathy E. Essa and Mostafa E. Al-Sherbini, "Building An Elearning Content Management Framework", Journal Of Administrative Research, 2009.
49. Amin Noaman and Sultanah Al-Shammari, "The Gmuware Biomedical Data Warehouse System For Integrating Heterogeneous Biomedical Data Sources", Egyptian Computer Science Journal, 2009.

Publications.

50. Amin Noaman, Nada Almani, "Xml-Based Process Definition Tool For A Workflow Management System", , vol: 02, No. 1, 2009.
51. Zahraa Al-Mudhaffer, Amin Noaman, "Mobile Computing Technology In Health Care Industry", , vol: 20, No.2, pp. 181-195, 2009.
52. Sultanah Al-Shammari and Amin Noaman, "Data Warehouse Integration Challenges Of Biomedical Data Sources", Journal Of Administrative Research, 2008.
53. A. A. Aljinaidi, A. Y. Noaman and A. A. Alghamdi, "Developing Transfer Engineering Diploma Programs For Community College Students: Kaau Experience", 4th International Forum On Engineering Education &Ndash; Ifee2006, Integrating Teaching And Research With Community Service, Sharjah, United Arab Emirates, Pages 1-8, 2006.
54. Sultanah Al-Shammari, Amin Noaman, "Data Warehouse Challenges For Integrating Biomedical Data Source", Workshop On Data Warehouse Technologies In Bioinformatics Conference, 2006.
55. A. A. Aljinaidi, A. Y. Noaman and A. A. Alghamdi, "Experience Of King Abdulaziz University In Developing New Academic Programs: Jeddah Community College", Iesm&Rsquo;05, Higher Education: Future Prospective, Arab Thought Foundation, Bruit, Lebanon, Pages 566-574, 2005.
56. A. Aljinaidi, Amin Noaman, A. A. Alghamdi, "Experience Of King Abdulaziz University In Developing New Academic Programs: Jeddah Community College, Iesm'05, Higher Education: Future Prospective", , pp. 1-4, 2005.
57. A. Aljinaidi, Amin Noaman, A. A. Alghamdi, "Developing Transfer Engineering Diploma Programs For Community College Students: Kaau", 2nd Conference On Planning Of Education & Applied Research In The Arab Countries, 2005.
58. Amin Noaman, and Ken Barker, "Distributed Data Warehouse Architectures And Design", In Proceeding Of The Fourteenth International Symposium On Computer And Information Sciences (Iscis''99), Pages 1031-1033, Kuadas, Turkey, October 18-20, 1999., 1999.
59. Amin Y. Noaman, Ken Barker, "A Horizontal Fragmentation Algorithm For The Fact Relation In A Distributed Data Warehouse", The Eighth International Conference, pp. 154-161, 1999.
DOI: [10.1145/319950.319972](https://doi.org/10.1145/319950.319972)
60. Amin Noaman, Ken Barker, "Distributed Data Warehouse Architectures", , vol: 2, pp. 37-50, 1997.
61. Gassan Yossef, Amin Noaman, Anurag Garg, "Documentation Support For Simulation", In Proceeding Of The International Conference On Computer Simulation, Beirut, Lebanon, 1995.
62. Rudolf Keller, Anurag Garg, Amin Noaman, Tao Tao, "Multi-Level Documentation Of Organizational Architectures And Processes", In Proceeding Of The Twelfth Annual International Conference On System Documentation (Sigdoc'94 - Acm), Banff, Alberta, Canada, pp. 139-144, 1994.