

Shabnam Mohamed Aslam

Assistant Professor, Department of Information Technology, Computer Sciences and Information Technology College, Majmaah University, 11952, Saudi Arabia.

Education

- Phd Computer Science and Engineering, Faculty of Engineering and Technology, SRM Institute of Science and technology, India, 2017.
- M.S., Computer Science and Engineering, Faculty of Engineering and Technology, SRM Institute of Science and Technology, 2011.
- MCA, Baradhidasan University, India, 2004.
- Bsc. Computer Science, Bharathidasan University, India, 2001.

Academic Experience

1. Academic Appointments - Majmaah University, Saudi Arabia
From 2018 to till date Assistant Professor Department of Information Technology
2. Academic Appointments - SRM Institute of Science and Technology, India From 2006-2018 Assistant Professor Department of Computer Applications
3. Academic Appointments – VIT University, India
From 2005 – 2006 Teaching Assistant Department of Computer Applications

Non Academic Experience

1. Non Academic Appointment – **Majmaa University**
 - From 2021 Exam Committee Member College of Computer and Information Science
 - From 2021 Guiding Masters Projects College of Computer and Information Science
 - From 2018 IT Council Member College of Computer and Information Science
2. Non Academic Appointment – **SRM Institute of Science and Technology**
From 2016 -2017 Head Of the Department Department of Computer Science and
3. Non Academic Appointments – **SRM Institute of Science and Technology** From 2014 – 2017 Coordinator Spoken Tutorial, MHRD Program, IIT Mumbai.
4. Non Academic Appointments – **SRM Institute of Science and Technology**
From 2015 -2016 University Practical Examination Coordinator
From 2008 -2014 Class committee Chairman, Test Coordinator, Project Coordinator
5. Non Academic Appointments - Vidhyanidhy InfoTech, CDAC, Mumbai, India From 2004 -2005 Teaching Faculty

Honors and Awards

1. Receive Majmaah University Research Grant 26400 SR for the project “ Foss through E-Learning framework”, 2022.

2. Certificate of Thanks and Appreciation for Excellency, College of Computer and Information Sciences, Majmaah University, Al Majmaah, November, 2020.
3. Certificate of Appreciation in recognition of effective participation in the establishment of the “Master in Data Science Program”, College of Computer and Information Sciences, Majmaah University, Al Majmaah, January 2020
4. Received Majmaah University Research Grant for the publication of the paper “Gesture Recognition Algorithm for Visually Blind Touch Interaction Optimization Using Crow Search Method”, September 2020.
5. Received cash award for research contribution in August 2015, Directorate of Research, SRM Institute of Science and Technology.

Journal Publications

1. Aslam, S.M, “Automatic Cloud-based Digital Forensics categorization”, Journal of Engineering and Applied Sciences, ISSN 1658-6638, Vol 8(2), November 2021.
2. Aslam, S.M., 2021. A Solution for Social Education-Free Open Source Software Teaching through E-Learning Framework. Webology, Volume 18, Pages: 686-703, Special Issue on Current Trends in Management and Information Technology, October, 2021. DOI:10.14704/WEB/V18SI05/WEB182551, <https://www.webology.org/abstract.php?id=618>
3. S. M. Aslam and S. Samreen, "Gesture Recognition Algorithm for Visually Blind Touch Interaction Optimization Using Crow Search Method," in IEEE Access, vol. 8, pp. 127560-127568, 2020, doi: 10.1109/ACCESS.2020.3006443
4. Rajinikanth, V.; Aslam, S.M.; Kadry, S. Deep Learning Framework to Detect Ischemic Stroke Lesion in Brain MRI Slices of Flair/DW/T1 Modalities. Symmetry 2021, 13, 2080. DOI:10.3390/sym13112080
5. S. M. Aslam, A. K. Jilani, J. Sultana and L. Almutairi, 2021, "Feature Evaluation of Emerging E-Learning Systems Using Machine Learning: An Extensive Survey," in IEEE Access, vol. 9, pp. 69573-69587, 2021, DOI: 10.1109/ACCESS.2021.3077663
6. Rajinikanth, V., Aslam, S. M., Kadry, S., Thinnukool, O. (2022). Semi/Fully-Automated Segmentation of Gastric-Polyp Using Aquila-Optimization-Algorithm Enhanced Images. CMC-Computers, Materials & Continua, 70(2), 4087–4105. DOI:10.32604/cmc.2022.019786
7. Sultana J, M. Ranib U, Aslam SM, AlMutairi L. Predicting Indian Sentiments of COVID-19 Using MLP and Adaboost. Turkish Journal of Computer and Mathematics Education (TURCOMAT). 2021 Apr 28;12(10):706-14. DOI: 10.17762/turcomat.v12i10.4232
8. Elizabeth Jesi, V., Mohamed Aslam, S., Ramkumar, G., Sabarivani, A., Gnanasekar, A.K. and Thomas, P., 2021. Energetic Glaucoma Segmentation and Classification Strategies Using Depth Optimized Machine Learning Strategies. Contrast Media & Molecular Imaging, 2021. DOI : <https://doi.org/10.1155/2021/5709257>
9. Mehak Arshad, Muhammad Attique Khan, Usman Tariq, Ammar Armghan, Fayadh Alenezi, Muhammad Younus Javed, Shabnam Mohamed Aslam, Seifedine Kadry, "A Computer-Aided Diagnosis System Using Deep Learning for Multiclass Skin Lesion Classification", Computational Intelligence and Neuroscience, vol. 2021, Article ID 9619079, 15 pages, 2021. DOI:10.1155/2021/9619079
10. V. Elizabeth Jesi, Shabnam Mohamed Aslam, Ruhi Fatima, 2020, “Deep Learning Based Dynamic Hand Gesture Recognition with Leap Motion Controller”, International Journal of Advanced Trends in Computer Science and Engineering, Vol 9, No.5, pp 7309-7315 (Scopus Q4), <https://doi.org/10.30534/ijatcse/2020/61952020>
11. Shirina Samreen, Shabnam Mohamed Aslam, 2020, "Resiliency to Conflicting Behaviour Attack through a comprehensive Trust Management Framework to reduce the uncertainty

- in a Mobile Ad hoc Network”, International Journal of Computer Science and Network Security, Vol. 20 No. 10 pp. 188-198. <https://doi.org/10.22937/IJCSNS.2020.20.10.24>, ESCI.
12. M.Shabnam, S.Govindarajan, 2017,“Survey on the Text Entry Methods used in Touch screen mobile device by visually challenged”, International Journal of Advanced Intelligence Paradigms, Vol 9(4) pp 313-325, (SCOPUS Q3)
 13. M.Shabnam and S.Govindarajan, 2016, “Optimization of Gesture Recognition Algorithm-Aid of Artificial Neural Network”, Indian Journal of Science and Technology (Thomson Reuters & SCOPUS Q4) , Vol 9(48), DOI: 10.17485/ijst/2016/v9i48/101172
 14. M.Shabnam and S.Govindarajan, 2016, ”Gesture Recognition Algorithm: BrailleCoded Gesture Patterns for Touch Screens: Eyedroid”, Indian Journal of Science and Technology(Thomson Reuters & SCOPUS Q4), Vol 9(33),DOI: 10.17485/ijst/2016/v9i33/89777
 15. M.Shabnam and S.Govindarajan,2015, “Framework of Gesture for blind people usable at touch mobile phones”, International Journal of Applied Engineering Research, Vol 10, issue 17, pp 37658-37663(SCOPUS Q2)
 16. M.Shabnam and S.Govindarajan, 2014, “Braille-Coded Gesture Patterns for Touch Screens a Character Input Method for Differently Enabled Persons using Mobile Devices” International Journal of Computer Applications (IF:0.715) Proceedings ICCCMIT 2014(1), pp1-5
 17. S.Kanchana Devi alias Shabnam.M , S.Govindarajan, 2013 ”HGRID – An Economical model for Mass health care system using latest technology (Grid computing)”, IJMER ISSN:2249-6645 (IF-1.227), Vol 3, pp178-182.
 18. K.M.Uma Maheswari, S.Kanchana Devi alias Shabnam.M, S.Govindarajan, 2011 “Data aggregation in Wireless Sensor Networks”, CIIT Wireless Communication, ISSN: 0974 – 9640, Vol 3, No 6.

Papers Published in National and International Conferences

1. J Sultana, MS Aslam, L AlMutairi, “Prediction of Sentiment Analysis on COVID-19 Data Using Machine Learning and Deep Learning”, 3rd International Conference On “Ccode 2020: Computing Communications and Data Engineering”, Nov 6-7, SPMVV, 2020.
2. International Conference Communication, computing and Information Technology (ICCCMIT), “Braille coded gesture patterns for touch screens-a character input method for differently enabled persons using mobile devices”, M. Shabnam, Dr.S. Govindarajan, 2014.
3. International Conference on Intelligent Computing and Data Science (ICICDS) 2014,”Survey on Text entry methods used in touch screen mobile devices by visually challenged”, Shabnam.M Dr.S.Govindarajan, 2014
4. Springer Conference-ICICIC Global, “Eyes Free Interaction System for Differentlyabled people in Mobile Device”, Shabnam.M Dr.S.Govindarajan, 2013,
5. Springer Conference-ICICIC Global, “Green IT based Environmentally Sustainable Architecture Design”, Shabnam.M Dr.S.Govindarajan R.Yamini, 2013
6. International seminar on innovations in Pedagogical Approaches to Secondary & Technical, Vocational educational and Training (TVET), “Smart card based Health care Learning (Specifically designed for rural Students and their parent)”, S.Kanchana Devi (Shabnam), Dr.S.Govindarajan, 2010

7. National Conference on Computing and Communication Technology, “Dynamic and Relocatable Security Protocols in Computational Grids”, S.Kanchana Devi (Shabnam), Dr.S.Govindarajan, May 2011, Easwari Engineering College.
8. National Conference On Advanced Computing and Communication Systems, “An Economical Model for Mass-Health care system using Latest Technology”, S.Kanchana Devi (Shabnam), Jeya Kumar,2011
9. National Conference on Recent Developments in mathematics And its Applications, “Aggregation of Wireless sensor Networks”, K.M.Uma Maheswari, S.Kanchana Devi (Shabnam),2011, 98th Indian Science Congress,”Grid Enabled Health Care SystemHGrid”, Dr.S.Govindarajan, S.Kanchana Devi (Shabnam), 2011
10. National conference on Advanced Data base Systems, “Software Intelligence in Insurance”, S. Kanchana Devi (Shabnam), 2006

Research Project

Research study and invention on Gesture computing technologies, Machine Learning, Deep Learning techniques to enhance the Human Computer Interaction which benefit the field of 5th generation mobile devices interaction systems and automatic control systems designs of automobiles.

Funded project approval received from Deanship of Scientific Research, Majmaah University ,KSA for 26300 SAR, May 2019 for the project titled with “Design and Development of E-Learning System for Free Open Source Software Systems” for the Saudi Arabia locality.

Professional Development Activities

1. IEEE member.
2. Guiding Ph.d and Masters Students, Majmaah University.
3. Delivered Workshop on “Cyber Security and Cyber Security services”, CCIS, Majmaah University, December 2019.
4. Delivered Workshop on “ About Cyber Security and Cyber Security Services”, Deanship of Community Services, Majmaah University, December 2019.
5. Participated in new stream of Elective course Digital Forensics establishment for graduate and post graduate in female section, Majmaah University, KSA, 2018.
6. Curriculum design committee- Master courses : Master of Data Science, Master of Artificial Intelligence and Machine Learning, Majmaah University, KSA, May 2019.
7. Workshop Convened, Scilab Workshop, SRM Institute of Science and Technology, Talk To A Teacher project, IIT Bombay, India, April 2014.
8. Workshop Convened, Workshop on Web services 2012, Department of Computer Applications, SRM Institute of Science and Technology, India.
9. Journal Reviewer – IEEE Access
10. Journal Reviewer –Journal of Computer Science
11. Journal Reviewer – Journal of Intelligent and Fuzzy Systems.