

Curriculum Vitae



Full Name **Naeem Ahmed MAHOTO**

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E-mail(s) naeemmahoto@gmail.com

Nationality Pakistani

Date of birth 04 January 1983

Gender Male

Employment Higher Education Teaching Profession

Experience 17+ Years

Professor

Department of Software Engineering, Mehran University of Engineering and Technology 76062 Jamshoro (Pakistan)

Dates 14 December 2024 till today

Duration 10+ months

Associate Professor

Department of Software Engineering, Mehran University of Engineering and Technology 76062 Jamshoro (Pakistan)

Dates 23 December 2017 to 13 December 2024

Duration 7 Years

Assistant Professor

Department of Software Engineering, Mehran University of Engineering and Technology 76062 Jamshoro (Pakistan)

Dates 17 April 2013 to 22 December 2017

Duration 4 Years & 8 Months

Lecturer

Department of Software Engineering, Mehran University of Engineering and Technology 76062 Jamshoro (Pakistan)

Dates 14 February 2008 to 16 April 2013

Duration 5 Years & 2 Months

Software Developer

Ibn-e-Khuldoon Systems, DHA (Karachi) - Private

Dates 02 September 2006 to 30 October 2006

Duration 2 Months

Testing Engineer

Microsystems Pvt. Limited, Gulshan-e-Iqbal (Karachi)

Dates 01 March 2006 to 31 August 2006

Duration 6 Months

Additional Positions

Administrative Positions Held

Experience 6 Years

Chairman

Department of Software Engineering, Mehran University of Engineering and Technology 76062 Jamshoro (Pakistan)

Dates 20 July 2018 to 20 July 2024

Duration 6 Years (2 Tenures)

Other Responsibilities

Member

Pre-Admission Test Committee (PATCO), Mehran University of Engineering and Technology 76062 Jamshoro (Pakistan)

Dates 25 August 2016 till today

Duration 8+ Years

Member

Information Technology (IT) Board, Mehran University of Engineering and Technology 76062 Jamshoro (Pakistan)

Dates 08 June 2018 to 07 June 2020

Duration 17 April 2024 till today
2+ Years

Education

PhD in Information and System Engineering

Politecnico di Torino, Italy
Duca degli Abruzzi, 24, 10129 Torino (Italy)

Dates 01 January 2010 to 15 March 2013

Level ISCED 8

	Master of Engineering (Communication Systems & Networks) Mehran University of Engineering and Technology, 76062 Jamshoro (Pakistan)			Dates 01 January 2007 to 30 March 2009 Level ISCED 7
	Bachelor of Engineering (Software) Mehran University of Engineering and Technology, 76062 Jamshoro (Pakistan)			Dates 01 January 2002 to 04 January 2006 Level ISCED 6
Additional Activities	Convener/Member Convener/Member - Board of Studies, Department of Software Engineering Mehran UET, 76062 Jamshoro (Pakistan)			Dates 20 July 2018 to 20 July 2024 Level ISCED 6-7-8
	Chairman – Provincial Review Committee to Curriculum and Textbook of Computer Science Grade VI-XII (Government of Sindh)			Dates 04 October 2023 till Date Level ISCED 5
	Member – Board of Studies, Department of Software Engineering, Qauid-e-Awam UET Nawabshah			Dates 05 September 2019 till Date Level ISCED 6
	Member – Board of Faculty, University of Sindh			Dates 05 December 2024 till Date Level ISCED 6-7-8
Trainings	Teaching Training Mehran University of Engineering and Technology, 76062 Jamshoro (Pakistan)			Dates 05 April 2009 to 20 May 2009 Level ISCED 7
	PEC Program Evaluator (PEV) Training Mehran University of Engineering and Technology, 76062 Jamshoro (Pakistan)			Dates 26 January 2025 to 29 January 2025 Level ISCED 7
Driving licence(s)	Motorcycle, Car			
	Personal Skills and Competence			
Mother tongue(s)	Sindhi			
Other language(s)	English	<u>Understanding</u> Excellent	<u>Speaking</u> Excellent	<u>Reading/Writing</u> Excellent
	Urdu	Excellent	Excellent	Excellent
Achievement	Honors and Awards - Erasmus+ Project (ACM KA107) – Teaching Mobility Project University of Malaga Spain - PhD scholarship in UESTPs/UETs HEC Islamabad, Pakistan - Gold Medalist B.E (Software Engineering) - Silver Medalist B.E (Software Engineering) - Merit Awards each year during B.E from MUET, Jamshoro - Merit Award in H.S.S.C-II from B.I.S.E Larkana - 1st Position in Matriculation in Govt. High School Mahota, Larkana			
Research Interests	- Data Mining - Information Engineering - Software Engineering - Software Quality Engineering			
Additional	Courses Taught in PhD/M.E/B.E Levels			

information	- Data Mining Algorithms - Text Mining and Language Processing - Data Mining Concepts and Techniques - Research Methodology - Distributed Databases - Software Quality Engineering - Data Warehousing - Programming Fundamentals
Thesis Supervision	Supervision (Thesis/Projects) – Annexure 1 - Under-Graduate: Several Undergraduate Dissertations/Projects have been supervised - Post-Graduate: 24 M.E Thesis supervised (Completed) - PhD Thesis: 3 Dissertation Supervision (Completed) & 3 Dissertation Supervision (<i>in-progress</i>)
Research Publications	Research Publications – Annexure 2 - Journal Publications (International & National): 27 & 15 - International Conferences/Proceedings: 13 - Books & Book Chapters: 2 & 6

Annexure – 1

PhD Thesis Supervision – (Completed)

- [1] Design of a Model for Predictive Analysis of Data emerging from the sector of Higher Education (Ms. Areej Fatemah 16PhDIICT01)
- [2] Designing a Lexicon-based Framework for Concept Extraction and Visualization of Textual Data (Ms. Anoud Shaukh 14PhDIICT02)
- [3] Designing Hybrid Sentiment Classification Model for User Generated Data (Mr. Muhammad Bux Alvi 15PhDIICT07)

PhD Thesis Supervision – (In-progress)

- [1] Integrating Sustainability Considerations in the Design Process of Software Systems (Ms. Hira 18PhDIICT10)
- [2] Designing Lean Secure Development Framework to improve Resilience & Reliability of Mission-Critical Cyber Physical Systems (Mr. Adnan Akbar 21PhDSE07)
- [3] Social Media-based News Content Authenticity Assessment through Quantitative Measurements (Mr. Samiullah Shah 21PhDSE02)

Master of Engineering Thesis Supervision – (Completed)

- [1] Discovering Correlations in Clinical Dataset (Ms. Shafiya Qadeer B11MECIE05 – Nov 2014)
- [2] Extraction of Clinical Pathways by means of Process Mining (Mr. Muhammad Salman B11MEIT25 – Jan 2015)
- [3] An Approach for Content Mining of Tweets (Ms. Noor-ul-Huda B11MECIE04 – Aug 2015)
- [4] Designing of Classifier for Complex Application Domain (Mr. Mehran Memon B11MESE15 – Aug 2015)
- [5] An Efficient Approach for Web Navigation Patterns using Sequential Pattern Mining (Ms. Asia Memon B11MECIE06 – Aug 2015)
- [6] Factors affecting Software Quality during Development Lifecycle (Mr. Arsalan Aftab B11MESE16 – Jun 2016)
- [7] Exploration of Agile Software Development Methodologies: A Systematic Literature Review Approach (Ms. Noor-ul-Ain B10MESE11 – Mar 2017)
- [8] Bridging Information Visualization with Crime Analysis (Mr. Samiullah Shah B14MESE03 – Jan 2018)
- [9] An Acceptance Model for Open Source Software (Ms. Aneeka Azmat B10MESE18 – May 2018)
- [10] Polarity-based Classification of Subjective Micro-posts using Machine Learning (Mr. Muhammad Arshad B10MEIT13 – May 2018)
- [11] Bi-Lingual (Sindhi-English) Semantic-based Web Search Service (Ms. Maqsood Khatoon B14MESE07 – Aug 2018)
- [12] Extracting Success Factors for OSS Projects on GitHub (Ms. Qamar-un-Nisa B15MESE05 – Aug 2018)
- [13] An Extensive Feedback Technique to Detect Unsatisfiable UML/OCL Class Diagrams (Ms. Amna Shaikh B16MESE04 – Oct 2018)
- [14] Determining Sentimental Opinions from User Generated data (Ms. Sehar Pathan B15MESE02 – Oct 2018)
- [15] Estimating News Coverage Patterns using LDA – Latent Dirichlet Allocation (Ms. Batool Zehra B15MESE04 – Oct 2018)
- [16] Healthcare services in developing countries of South Asia Region: Current and Future Perspectives (Ms. Hiba Shah B16MESE06 – Nov 2018)
- [17] The study of social media usage affecting academic activities of individuals (Ms. Eman Javed B16MESE02 – Nov 2018)
- [18] An Investigation of Effective Prediction Factors of Heart Disease using Machine Learning Techniques (Mr. Abdul Hafeez B16MESE09 – Nov 2018)
- [19] Document Clustering: An Approach for Feasible Demonstration (Ms. Wajiha Arif B16MESE17 – May 2019)
- [20] An Efficient Classification Model for Medical Data Analysis (Ms. Nazish B16MESE08 – May 2019)
- [21] Product Usability Evaluation: A Machine Learning Approach (Ms. Soonh Taj 18MESE06 – Dec 2019)
- [22] Early Detection of Failure Risks from Student's Behavioural Data (Ms. Faiza Kouser 18MEIT10 – Oct 2020)
- [23] Performance Analysis of Pattern Mining Algorithms for Covid-19 Genome Sequences (Ms. Aqsa 20MESE06 – August 2022)
- [24] Detecting diverse affects of COVID-19 through Genome Sequence (Ms. Maryam Ghauri 21MESE01 – August 2024)

Annexure – 2

International Journal Articles

- 1) Muhammad Owais Raza, **Naeem Ahmed Mahoto**, Asadullah Shaikh, Nazia Pathan, Hani Alshahrani and M. A. Elmagzoub. (August 2025). **A Machine Learning Approach of Text Classification for High and Low Resource Languages**. In Computational Intelligence. Vol. 41(4), pp:e70114, ISSN: 0824-7935, DOI: <http://dx.doi.org/10.1111/coin.70114> (SCIE, JCR Impact Factor: 1.7, HEC 'W')
- 2) Muhammad Owais Raza, **Naeem Ahmed Mahoto**, Mana Saleh Al Reshan, Ali Alqazzaz, Adel Rajab and Asadullah Shaikh. (June 2025). **Drought Detection in Satellite Imagery: A Layered Ensemble Machine Learning Approach**. In International Journal of Computational Intelligence Systems. Vol.18(161), pp:1-21, ISSN: 1875-6891, DOI: <https://doi.org/10.1007/s44196-025-00903-7> (SCIE, JCR Impact Factor: 3.0, HEC 'W')
- 3) Mana Saleh Al Reshan, Muhammad Owais Raza, **Naeem Ahmed Mahoto**, Adel Rajab, M. A. Elmagzoub, Asadullah Shaikh. (May 2025). **Toward Drought Modeling in South Asia: Machine Learning Approaches, Challenges and Opportunities**. In IEEE Access. Vol. 13, pp. 87654-87671, ISSN: 2169-3536, DOI: 10.1109/ACCESS.2025.3567257 (SCIE, JCR Impact Factor: 3.4, HEC 'W')
- 4) Muhammad Owais Raza, Areej Fatemah Meghji, **Naeem Ahmed Mahoto**, Mana Saleh Al Reshan, Hamad Ali Abosaq, Adel Rajab and Asadullah Shaikh. (July 2024). **Reading Between the Lines: Machine Learning Ensemble and Deep Learning for Implied Threat Detection in Textual Data**. In International Journal of Computational Intelligence Systems. Vol. 17, 183 (2024) pp-1-17, ISSN: 1875-6891, DOI: <https://doi.org/10.1007/s44196-024-00580-y> (SCIE, JCR Impact Factor: 2.5, HEC 'W')
- 5) Hira Noman, **Naeem Ahmed Mahoto**, Sania Bhatti, Adel Rajab and Asadullah Shaikh. (2024). **Towards Sustainable Software Systems: A Software Sustainability Analysis Framework**. In Information and Software Technology. Vol. 169, pp-107411, ISSN: 0950-5849, DOI: <https://doi.org/10.1016/j.infsof.2024.107411> (SCIE, JCR Impact Factor: 3.9, HEC 'W')
- 6) Rafia Shaikh, Muhammad Rafi, **Naeem Ahmed Mahoto**, Adel Sulaiman, and Asadullah Shaikh. (October 2023). **A Filter-based Feature Selection Approach in Multilabel Classification**. In Machine Learning: Science and Technology. Vol. 4, pp-045018, ISSN: 2632-2153, DOI: <https://doi.org/10.1088/2632-2153/ad035d> (SCIE, JCR Impact Factor: 6.8, HEC 'W')
- 7) Muhammad Bux Alvi, **Naeem Ahmed Mahoto**, Mana Saleh Al Reshan, Mukhtiar Ali Unar, Muhammad Abdullah Elmagzoub, and Asadullah Shaikh. (September 2023). **Count me too: Sentiment Analysis of Roman Sindhi Script**. In SAGE Open. Vol. 13(3), pp-1-13, ISSN: 2158-2440, DOI: <https://doi.org/10.1177/21582440231197452> (SSCI, ESCI, Scopus, JSR Impact Factor: 2.0)
- 8) Muhammad Owais Raza, **Naeem Ahmed Mahoto**, Mohammad Hamdi, Mana Saleh Al Reshan, Adel Rajab, and Asadullah Shaikh. (August 2023). **Detection of Offensive Terms in Resource-Poor Language Using Machine Learning Algorithms**. In PeerJ Computer Science. Vol. 9 pp-1524, ISSN: 2376-5992, DOI: 10.7717/peerj-cs.1524 (SCIE, JSR Impact Factor: 3.8)
- 9) Areej Fatemah, **Naeem Ahmed Mahoto**, Yousif Asiri, Hani Alshahrani, Adel Sulaiman, and Asadullah Shaikh. (March 2023). Early Detection of Student Degree-level Academic performance using educational data mining. In PeerJ Computer Science. Vol.9 pp-e1294, ISSN: 2376-5992, DOI: <https://doi.org/10.7717/peerj-cs.1294> (SCIE, JSR Impact Factor: 2.41)
- 10) **Naeem Ahmed Mahoto**, Asadullah Shaikh, Adel Sulaiman, Mana Saleh Al Reshan, Adel Rajab, Khairan Rajab. (March 2023). A Machine Learning-based Data Modelling for Medical Diagnosis. In Biomedical Signal Processing and Control. Vol. 81, pp-10448, ISSN: 1746-8094, DOI: <https://doi.org/10.1016/j.bspc.2022.104481> (SCIE, JSR Impact Factor: 5.076)
- 11) Aqsa Umar, Sania Bhatti, Areej Fatemah, **Naeem Ahmed Mahoto**, Sapna Kumari. (February 2023). Analysis Of Frequent Nucleotides Patterns in COVID-19 Genome Sequences Using SPM Algorithms. In Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/Journal of Xi'an Shiyou University, Natural Sciences Edition. Vol. 66(2), pp-96-109, ISSN: 1673-064X, DOI: 10.17605/OSF.IO/D7GA3 (Scopus, JSR Impact Factor:0.376)
- 12) Hira Noman, **Naeem Ahmed Mahoto**, Sania Bhatti, Hamad Ali Abosaq, Mana Saleh Al Reshan, Asadullah Shaikh. (July 2022). An Exploratory Study of Software Sustainability at Early Stage of Software Development. In Sustainability. 14(14), 8596, pp-1-24, ISSN: 2071-1050, DOI: 10.3390/su14148596 (SCIE, JSR Impact Factor: 3.88)
- 13) Anoud Shaikh, **Naeem Ahmed Mahoto**, Mukhtiar Ali Unar. (June 2022). TextGraph: A Lexicon based Framework for Concept Extraction and Visualization. In Journal of Intelligent & Fuzzy Systems. Vol.43(2), pp-2035-2044, ISSN: 1064-1246, (SCIE, JSR Impact Factor: 1.739)
- 14) Faisal Karim Shaikh, Mohsin Memon, **Naeem Ahmed Mahoto**, Sherali Zeadally, Jamel Nebhen. (October 2021). Artificial Intelligence Best Practices in Smart Agriculture. In IEEE Micro. pp-1-1, ISSN: 0272-1732, DOI: 10.1109/MM.2021.3121279 (SCIE, JSR Impact Factor: 5.66)
- 15) Mesfer Alrizq, Sara Mehmood, **Naeem Ahmed Mahoto**, Ali Alqahtani, Mohammed Hamdi, Abdullah Alghamdi, Asadullah Shaikh. (August 2021). Analysis of Skim Reading on Desktop versus Mobile Screen. In Applied Sciences. Vol. 11(16): 7398, pp-1-21, ISSN: 2076-3417, DOI: <https://doi.org/10.3390/app11167398> (SCIE, JSR Impact Factor: 2.679)
- 16) **Naeem Ahmed Mahoto**, Asadullah Shaikh, Mana Saleh Al Reshan, Muhammad Ali Memon and Adel Sulaiman. (August 2021). Knowledge Discovery from Healthcare Electronic Records for Sustainable Environment. In Sustainability. Vol. 13(16): 8900, pp-1-19, ISSN: 2071-1050, DOI: <https://doi.org/10.3390/su13168900> (SCIE, JSR Impact Factor: 3.251)
- 17) **Naeem Ahmed Mahoto**, Rabia Iftikhar, Asadullah Shaikh, Yousef Asiri, Abdullah Alghamdi and Khairan Rajab. (July 2021). An Intelligent Business Model for Product Price Prediction Using Machine Learning Approach. In Intelligent Automation & Soft Computing. Vol. 30(1), pp-147-159, ISSN:2326-005X, doi:10.32604/iasc.2021.018944 (SCIE, JSR Impact Factor: 1.647)
- 18) Sara Mehmood, **Naeem Ahmed Mahoto**, Asadullah Shaikh, Hani Alshahrani, and Mana Saleh AlReshan. (June 2021). Impact of Skim Reading based on Different Screen Sizes. In Intelligent Automation & Soft Computing. Vol. 29(2), pp-587–604, ISSN:2326-005X, DOI: doi:10.32604/iasc.2021.017843 (SCIE, JSR Impact Factor: 1.276)

- 19) Muhammad Bux Alvi, **Naeem A. Mahoto**, M. A. Unar, M. Akram Shaikh. (July 2019). An Effective Framework for Tweet Level Sentiment Classification using Recursive Text Pre-Processing Approach. In International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 10, No. 6, pp. 572-581, ISSN: 2156-5570
- 20) Meghji, A. F., **Mahoto, N. A.**, Unar, M. A. & Shaikh, M. A. (May 2019). Predicting Student Academic Performance using Data Generated in Higher Educational Institutes. 3C Tecnología. Glosas de innovación aplicadas a la pyme. Special Issue, May 2019, pp. 366–383. ISSN: 2254–4143, doi: <http://dx.doi.org/10.17993/3ctecno.2019.specialissue2.366–383>
- 21) Shaikh, A., **Mahoto, N. A.** & Unar, M. A. (May 2019). A Lexicon based Approach Towards Concept Extraction. 3C Tecnología. Glosas de innovación aplicadas a la pyme. Special Issue, May 2019, pp. 50–67. ISSN: 2254–4143, doi: <http://dx.doi.org/10.17993/3ctecno.2019.specialissue2.50–67>
- 22) Abdul Hafeez Babar, **Naeem Ahmed Mahoto**. (July 2018). Comparative Analysis of Classification Models for Healthcare Data Analysis. In International Journal of Computer and Information Technology (IJCIT), Vol. 7(4), pp. 170-175, ISSN 2279 – 0764
- 23) Qamar-un-Nisa, **Naeem Ahmed Mahoto**, Irfanullah Memon. (June 2018). Discovering Success Factors of OSS Projects. In International journal of advanced studies in Computer Science and Engineering (IJASCSE), Vol. 7(6), pp. 4-11, ISSN 2278-7917
- 24) Samiullah Shah, Vijdan Khaliq, Salahuddin Saddar, **Naeem A. Mahoto**. (October 2017). A Framework for Visual Representation of Crime Information. In Indian Journal of Science & Technology (IJST), Vol. 10(40), pp. 1-8, ISSN 0974-6846
- 25) Mir Muhammad, Steeve Greedy, **Naeem A. Mahoto** and Mukhtiar A. Unar. (2017). Throughput Analysis of Full-Duplex Communication Cognitive Radio Network. In Wireless Personal Communications. pp. 1-15, ISSN: 0929-6212, DOI: <https://doi.org/10.1007/s11277-017-4662-9> (**SCIE, JSR Impact Factor: 0.65**)
- 26) Antonelli, D., Baralis, E. M., Bruno, G., Cagliero, L., Cerquitelli, T., Chiusano, S. A., Garza, P., & **Mahoto, N. A.** (2015). MeTA: Characterization of medical treatments at different abstraction levels. In ACM Transactions on Intelligent Systems and Technology. Vol 6(4), pp-1-25. ISSN: 2157-6904 (**SCIE, JSR Impact Factor: 1.252**)
- 27) Fayaz Ali, Faisal Karim Shaikh, Abdul Qadir Ansari, **Naeem Ahmed Mahoto** and Emad Felemban. (2015). Comparative Analysis of VANET Routing Protocols On Optimal Placement of Road Side Units. In Wireless Personal Communications. Vol 86(2), pp. 393-406. ISSN: 0929-6212 (**SCIE, JSR Impact Factor: 0.653**)
- 28) Baralis, E., Cagliero, L., **Mahoto, N. A.**, & Fiori, A. (2013). GraphSum: discovering correlations among multiple terms for graph-based summarization. In Information Sciences. Vol 249, pp-96-109. (**SCIE, JSR Impact Factor: 4.038**)
- 29) Antonelli, D., Baralis, E., Bruno, G., Cerquitelli, T., Chiusano, S., & **Mahoto, N.** (2013). Analysis of diabetic patients through their examination history. In Expert Systems with Applications. Vol 40(11), pp. 4672–4678. (**SCIE, JSR Impact Factor: 2.240**)
- 30) Antonelli, D., Baralis, E., Bruno, G., Chiusano, S., **Mahoto, N.**, & Petrigni, C. (2012). Analysis of diagnostic pathways for colon cancer. In Flexible Services and Manufacturing Journal. Vol 24(4), pp. 379-399, ISSN: 1936-6582, DOI: 10.1007/s10696-011-9095-2 (**SCIE, JSR Impact Factor: 1.872**)

National Journal Articles (HEC Recognized Journals)

- 31) Aqsa Umar, **Naeem Mahoto**, Sania Bhatti, and Sapna Rath (December 2021). Analysis of Covid-19 Genome Sequences Based on Geo-Locations. In Pakistan Journal of Engineering and Technology, Vol. 4 (4), pp:41-45. ISSN: 2664-2050, DOI: <https://doi.org/10.51846/vol4iss4pp41-45> (**HEC Recognised Category 'Y' Journal**)
- 32) Meghji, A. F., **Mahoto, N. A.**, Unar, M. A. & Shaikh, M. A. (April 2020). The Role of Knowledge Management and Data Mining in Improving Educational Practices and the Learning Infrastructure. In Mehran University Research Journal of Engineering & Technology, Vol. 39(2), pp:310-323. ISSN:0254-7821 (**HEC Recognised Category 'X' Journal**)
- 33) Anoud Shaikh, **Naeem A. Mahoto**, Mukhtiar Ali Unar. (October 2019). Bringing Shape to Textual Data – A Feasible Demonstration. In Mehran University Research Journal of Engineering & Technology, Vol. 38(4), pp:901-914. DOI: 10.22581/muet1982.1904.04, ISSN:0254-7821 (**HEC Recognised Category 'X' Journal**)
- 34) Mohsin Ali Memon, Sania Bhatti, Shahzad Nizamani, **Naeem A. Mahoto**, Farida Memon. (July 2017). LIFEREC: A Framework for Recommending Users from Past Life Experiences. In Mehran University Research Journal of Engineering & Technology, Vol. 36(3), pp:661-672. ISSN:0254-7821 (**HEC Recognised Category 'X' Journal**)
- 35) Anoud Shaikh, **Naeem A. Mahoto**, Noor-ul-Huda, M. A. Unar. (September 2016). Discovering Twitter Sentiments using Correlations among Multiple Terms. In Sindh University Research Journal (Science Series), Vol. 48(3), pp: 695-700. ISSN: 1813-1743 (**HEC Recognised Category 'X' Journal**)
- 36) Mohsin Ali Memon, Sania Bhatti, **Naeem A. Mahoto**. (April 2016). A Digital Diary: Remembering the Past Using the Present Context. In Mehran University Research Journal of Engineering & Technology, Vol. 35(2), pp:275-286. ISSN:0254-7821 (**HEC Recognized Category 'X' Journal**)
- 37) **Naeem A. Mahoto**, Asia Memon, Mohsin Ali Memon, Mansoor Ali Teevno. (March 2016). Extraction of Web Navigation Patterns by means of Sequential Pattern Mining. In Sindh University Research Journal (Science Series), Vol. 48(1), pp: 201-208. ISSN: 1813-1743 (**HEC Recognized Category 'X' Journal**)
- 38) Mohsin Ali Memon, **Naeem A. Mahoto**, Faheem Khuwawar, Jiro Tanaka. (December 2015). Retrieval of life logs based on Users Context. In Sindh University Research Journal (Science Series), Vol. 47(4), pp: 851-860. ISSN: 1813-1743 (**HEC Recognized Category 'X' Journal**)

- 39) Marvi Jokhio, **Naeem A. Mahoto**, Salahudin Jokhio, Shaban Jokhio. (October 2015). Detecting Tweet-based Sentiment Polarity of Plastic Surgery Treatment. In Mehran University Research Journal of Engineering & Technology, Volume 34(4), pp. 403-412. ISSN: 0254-7821 (HEC Recognized Category 'X' Journal)
- 40) Anoud Shaikh, **Naeem A. Mahoto**, Faheem Khuhawar, Mehran Memon. (September 2015). Performance Evaluation of Classification Methods for Heart Disease Dataset. In Sindh University Research Journal (Science Series), Volume 47(3), pp. 389-394. ISSN: 1813-1743 (HEC Recognized Category 'X' Journal)
- 41) **Naeem A. Mahoto**, Anoud Shaikh, Faheem Khuhawar, Arsalan Aftab. (June 2015). Factors Affecting Software Quality in Legacy Software Life Cycle Models for Emerging Professionals. In Sindh University Research Journal (Science Series), Volume 47(2), pp. 313-320. ISSN: 1813-1743 (HEC Recognized Category 'X' Journal)
- 42) **Naeem A. Mahoto**, Anoud Shaikh, Faheem Khuhawar. (December 2014). CLITA: Discovering Knowledge from Clinical Data. In Sindh University Research Journal (Science Series), Volume 46(4), pp. 539-546. ISSN: 1813-1743 (HEC Recognized Category 'X' Journal)
- 43) Faheem Khuhawar, M.A. Unar, **Naeem A. Mahoto**, Shazia Abbasi. (September 2014). Blind Channel Equalization Using Elman Network. In Sindh University Research Journal (Science Series), Volume 46(3), pp. 335-344. ISSN: 1813-1743 (HEC Recognized Category 'X' Journal)
- 44) **Naeem A. Mahoto**, Faisal Karim Shaikh, Abdul Qadir Ansari. (January 2014). Exploitation of Clustering Techniques in Transactional Healthcare Data. In Mehran University Research Journal of Engineering & Technology Vol:33(1) pp:77-92. ISSN: 0254-7821 (HEC Recognized Category 'X' Journal)
- 45) Faisal Karim Shaikh, Abdul Qadir Ansari, **Naeem A. Mahoto**. (January 2014). Accessing Data Transfer Reliability for Duty Cycled Mobile Wireless Sensor Network. In Mehran University Research Journal of Engineering & Technology Vol:33(1) pp:93-102. ISSN: 0254-7821 (HEC Recognized Category 'X' Journal)

International Conferences/Proceedings

- 46) Rahima Memon, Mohsin Memon, **Naeem Ahmed Mahoto** and Owais Raza. (December 2021). Identification of growth stages of crops using mobile phone images and machine learning. In 2021 International Conference on Computing, Electronic and Electrical Engineering (IEEE ICE CUBE, October 26-27, 2021), pp. 1-5, ISBN:978-1-6654-0155-5, DOI:10.1109/ICECube53880.2021.9628197
- 47) Faiza Kouser, Areej Fatemah and **Naeem Ahmed Mahoto** (April 2020). Early Detection of Failure Risks from Students' Data. In International Conference on Emerging Trends in Smart Technologies (ICETST, FAST NUCES Karachi, 26-27 March 2020), pp.1-6 ISBN:978-1-7281-7113-5, DOI:10.1109/ICETST49965.2020.9080692
- 48) Ghulam Qadir, Irfan Bhacho, and **Naeem Mahoto** (April 2020). Predicting the Energy Efficiency of Thermal Power Plant. In 3rd International Conference on Computing, Mathematics & Engineering Technologies (iCoMET 2020, January 29-30, 2020), pp.1-6, ISBN: 978-1-7281-4970-7, DOI:10.1109/iCoMET48670.2020.9073874
- 49) Wajihah Arif, **Naeem A. Mahoto**. (March 2019). Document Clustering – A Feasible Demonstration with K-means Algorithm. In 2nd International Conference on Computing, Mathematics & Engineering Technologies (iCoMET 2019, January 30-31, 2019), pp. ISBN: 978-1-5386-9509-8, DOI:10.1109/ICOMET.2019.8673480
- 50) Saadia Kulsoom, Faisal Karim Shaikh, **Naeem A. Mahoto**, and Abdul Aziz Memon. (March 2019). IoT based Smart Garbage Monitoring & Collection System using WeMOS & Ultrasonic Sensors. In 2nd International Conference on Computing, Mathematics & Engineering Technologies (iCoMET 2019, January 30-31, 2019), pp. ISBN: 978-1-5386-9509-8, DOI:10.1109/ICOMET.2019.8673526
- 51) **Naeem A. Mahoto**, Nazish Aslam and Abdul Hafeez Babar. (January 2019). Developing an Effective Predictive Model for Clinical Dataset. In 2nd International Conference on Computing, Electronic and Electrical Engineering (IEEE ICE CUBE, November 12-13, 2018), pp. 1-5, ISBN: 978-1-5386-7939-5, DOI: 10.1109/ICECUBE.2018.8610984
- 52) **Naeem A. Mahoto**, Sehar Gul Khan and Sadaquat Ali Ruk. (September 2018). A Lexicon-based Method to Determine Subjectivity of Unstructured Data. In 5th International Multi-Topic ICT Conference 2018 (IMTIC'18 April 27-29), pp. ISBN: 978-1-5386-6594-7, DOI:10.1109/IMTIC.2018.8467271
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