

MOHAMMAD ABDULLAH-AL-WADUD

CONTACT DETAILS	<p>Room# 2055, Building# 31, Department of Software Engineering, College of Computer and Information Systems, King Saud University, P.O. Box 51178, Riyadh 11543, The Kingdom of Saudi Arabia.</p> <p><i>Phone:</i> +966-11-4696-303 (office), +966-5613-444-55 (cell).</p> <p><i>E-mail:</i> mwadud@ksu.edu.sa, wadud@ieee.org</p> <hr/> <p><i>Permanent Address:</i> Village: Galania, P.O.: Kalikacho, P.S.: Sarail, District: Bhahmanbaria, Bangladesh</p>
PERSONAL DETAILS	<p><i>Date of birth:</i> 30th September, 1977</p> <p><i>Gender:</i> Male</p> <p><i>Nationality:</i> Bangladeshi (by birth)</p> <p><i>Permanent Residency:</i> South Korea</p> <p><i>Father:</i> Mohammad Amir Ali</p> <p><i>Mother:</i> Mst. Rezia Khatun</p>
CURRENT STATUS	<p>Associate Professor, Department of Software Engineering (SWE), King Saud University, Kingdom of Saudi Arabia (KSA).</p> <p>Head, Industrial Collaboration Committee, Dept. of SWE, King Saud University, KSA.</p> <p>Research Advisor, C4I Center for Advanced Systems (C4ICAS), King Saud University, KSA.</p> <p>Undergraduate Courses conducted: Human-Computer Interaction (3 sections), Software Construction Laboratory (5 sections).</p> <p>Graduate Course conducted: Multimedia Systems (2 sections), Software Usability Engineering (1 section)</p> <p>MS Thesis Supervision: 04 (as supervisor), 03 (as co-supervisor), 01 (as field supervisor)</p> <p>Masters Project Supervision: 01</p> <p>Undergraduate Project Supervision: 04</p> <p>Medium of instruction: English.</p> <p>Additional Responsibilities: Head of the Industrial Collaboration Committee, SWE Dept; and Member of Quality Management Committee, SWE Dept.</p> <p>Duration of job: From May 10, 2014 – till date.</p>
PAST EMPLOYMENTS	<p>Associate Professor</p> <p>Department of Industrial and Management Engineering, Hankuk University of Foreign Studies, South Korea.</p> <p>MS Thesis Supervision: 01 (as co-supervisor).</p> <p>Graduate (MS and PhD) Courses conducted: Advanced Topics in Image Processing (2 sections), Computer Vision (1 section).</p> <p>Undergraduate Courses conducted: Data Structures and Algorithms (5 sections), Web Programming (5 sections), Computer Programming in C (10 sections), Object-Oriented Programming in Java (5 sections), Business Data Communication (1 section), Business Mathematics (1 section).</p> <p>Medium of instruction: English.</p> <p>Duration of job: From March 01, 2009 – February 28, 2014.</p> <p>Joined as Full-Time Lecturer; later promoted to Assistant Professor (March 01, 2011) and Associate Professor (September 01, 2013).</p>

	<p>Position: Lecturer, Dept. of CSE & CIS, Faculty of Sciences and Engineering.</p> <p>Employer: East West University, Dhaka, Bangladesh.</p> <p>Responsibilities: To conduct classes, set question papers, examine answer scripts and perform some administrative duties, and train the students participating in programming contests.</p> <p>Courses conducted: Operating Systems (2 sections), Programming in C (1 section), Data Structures (1 section), Computer Fundamentals (1 section).</p> <p>Medium of instruction: English.</p> <p>Duration of Job: From September 16, 2004 to March 14, 2005</p>
	<p>Position: Lecturer, Dept. of CSE, Faculty of Sciences and Information Technology.</p> <p>Employer: Daffodil International University, Dhaka, Bangladesh.</p> <p>Responsibilities: To conduct classes, set question papers, examine answer scripts, perform some administrative duties, and train the students participating in programming contests.</p> <p>Courses conducted: Data Structures (2 sections), Computer Fundamentals (2 sections), Computer Programming (2 sections).</p> <p>Medium of instruction: English.</p> <p>Duration of Job: From July 27, 2003 to September 15, 2004</p>
	<p>Post: Coordinator</p> <p>Employer: Pathshala IT, a wing of South Asian Institution of Photography and Drik Gallery, Dhaka, Bangladesh</p> <p>Responsibilities: To train up students on programming and some other software, and to conduct sessions on workshops and seminars.</p> <p>Medium of instruction: Bangla & English.</p> <p>Duration of job: From May 15, 2001 to July 25, 2003</p>

EDUCATION	
2009	<p>Kyung Hee University, South Korea.</p> <p>PhD in Computer Engineering (Masters and PhD combined program)</p> <p><i>Field:</i> Image Processing and Computer Vision</p> <p><i>Title of Ph.D. Dissertation:</i> Intelligent Filtering for Facial Images</p> <p><i>Date of Ph.D. Achievement:</i> 18 Feb 2009</p> <p><i>Coursework details:</i> Total earned units 67; GPA 4.255 (Scale 4.3)</p>
2001 (HELD IN 2004)	<p>University of Dhaka, Bangladesh.</p> <p>MS in Computer Science & Engineering, 1 year course</p> <p><i>Date of Achievement:</i> 28 Feb 2005</p> <p>Percentage: 66.5% (First Class)</p>
2000 (HELD IN 2003)	<p>University of Dhaka, Bangladesh.</p> <p>Bachelor of Science (B.Sc.), 4 years course</p> <p>Department of Computer Science</p> <p><i>Date of Achievement:</i> 23 Jul 2003</p> <p>Percentage: 67% (First Class).</p>
1996	<p>Comilla Cadet College, Bangladesh.</p> <p>Higher Secondary Certificate (after the 12th grade),</p> <p>First division, star marks, Percentage 90.7%,</p> <p>Secured 9th place in the combined merit list of Science Group</p>
1994	<p>Comilla Cadet College, Bangladesh.</p> <p>Secondary School Certificate (after the 10th grade),</p> <p>First division, star marks, Percentage 83.2%.</p>

PUBLICATIONS	Total Citations: 584
	Journals Indexed in <i>Thomson Reuters (ISI) Web of KnowledgeSM</i> (Science Citation Index (SCI), Science Citation Index Expanded (SCIE) or Emerging Sources Citation Index (ESCI))
	<ol style="list-style-type: none"> 1. M. M. Hassan, M. Abdullah-Al-Wadud, A. AlMogren, S. Biao, G. Fortino, "A Novel Resource and Revenue Sharing Model in Federated Cloud Environment", IEEE Transactions on Services Computing, Conditionally accepted (SCIE; Impact Factor 3.049) Related field(s) of research: Cloud Computing. 2. M.A. Hamid, M. Abdullah-Al-Wadud, M. M. Hassan, "A Key Distribution Scheme for Big Sensor Data Management in Cloud Environment", Future Generation Computer Systems, Conditionally accepted (SCI; Impact Factor 2.786) Related field(s) of research: Network Security. 3. M.A. Raihan, M.A. Hamid, M. Abdullah-Al-Wadud, M. M. Hassan, "A Scalable Framework for Protecting User Identity and Access Pattern in Untrusted Web Server using Forward Secrecy, Public Key Encryption and Bloom Filter", Concurrency and Computation: Practice and Experience, Conditionally accepted (SCIE; Impact Factor 0.997) Related field(s) of research: Network Security. 4. Uzzal Kumar Dutta, Md. Abdur Razzaque, M. Abdullah-Al-Wadud, "SAS: A Self-Adaptive Scheduling Algorithm for BTSs in Green Cellular Networks", Annals of Telecommunications-Annales des télécommunications, Conditionally accepted (SCI; Impact Factor 0.633) Related field(s) of research: Wireless networks. 5. I. Rahman, P. M. Vasant, B. S. M. Singh, M. Abdullah-Al-Wadud, Nadia Adnan, "Review of recent trends in optimization techniques for plug-in hybrid, and electric vehicle charging infrastructures", Renewable and Sustainable Energy Reviews, Volume 58, Pages 1039–1047, 2016. (SCI; Impact Factor 5.901) Related field(s) of research: Optimization. 6. M. M. Hassan, M. A. Hossain, M. Abdullah-Al-Wadud, S. Alyahya, and A. Ghamdi, "A scalable and elastic cloud-assisted publish/subscribe model for IPTV video surveillance system" Cluster Computing, 18(4), 1539-1548, 2015. (SCIE; Impact Factor 1.51) (cited by 1). Related field(s) of research: Cloud computing. 7. M. M. Hassan, M. Abdullah-Al-Wadud, A. AlMogren, B. Song, A. Alamri, "Energy-aware Resource and Revenue Management in Federated Cloud: A Game Theoretic Approach", IEEE Systems Journal, 2015. (SCIE; Impact Factor 1.98) Related field(s) of research: Cloud computing. 8. Kiok Ahn, Md Monirul Hoque, Gihun Song, M. Abdullah-Al-Wadud and Oksam Chae, "Learning discriminant DCT coefficients driven block descriptor for digital dropout detection system in degraded archived media", Expert Systems with Applications, vol. 42, no. 14, pp. 5811-5821, 2015. (SCI; Impact Factor 2.24) Related field(s) of research: Image processing. 9. M. M. Hassan, M. Abdullah-Al-Wadud, A. AlMogren, S. K. Rahman, A. Alelaiwi, A. Alamri and M. A. Hamid, "QoS and trust-aware coalition formation game in data-intensive cloud federations", Concurrency and Computation: Practice and Experience, 2015. (SCIE; Impact Factor 0.997) (cited by 1). Related field(s) of research: Cloud computing. 10. I. Rahman, P. M. Vasant, B. S. Singh, M. Abdullah-Al-Wadud, "On the performance of accelerated particle swarm optimization for charging plug-in hybrid electric vehicles", Alexandria Engineering Journal, 2015. (ESCI) Related field(s) of research: Optimization.

11. Md. Motaharul Islam, M. Abdullah-Al-Wadud, Eui Nam Huh, "Energy-efficient Multilayer Routing Protocol for SPMIPv6-based IP-WSN," *International Journal of Sensor Networks*, Vol. 18, Nos. 3/4, pp. 114-129, 2015 (**SCI**; Impact Factor **1.386**).
Related field(s) of research: Wireless sensor networks.
12. Md. Nazmus Sakib Miaz, Madiha Tabassum, Md. Abdur Razzaque, M. Abdullah-Al-Wadud, "An Energy-Efficient Common Control Channel Selection Mechanism for Cognitive Radio Ad Hoc Networks," *Annals of Telecommunications-Annales des télécommunications*, vol. 70, pp. 11-28, 2015. (**SCI**; Impact Factor **0.633**). (**cited by 4**).
Related field(s) of research: Cognitive Radio Ad Hoc networks.
13. I. Rahman, P. M. Vasant, B. S. M. Singh and M. Abdullah-Al-Wadud, "Swarm Intelligence-based Smart Energy Allocation Strategy for Charging Stations of Plug-in Hybrid Electric Vehicles," *Mathematical Problems in Engineering*, 2014. (**SCIE**; Impact Factor **1.082**). (**cited by 1**).
Related field(s) of research: Optimization.
14. M. M. Naushad Ali, M. Abdullah-Al-Wadud, Seok-Lyong Lee, "Multiple object tracking with partial occlusion handling using salient feature points," *Information Sciences*, vol. 278, pp. 448-465, (2014) (**SCI**; Impact Factor **4.038**). (**cited by 8**).
Related field(s) of research: Computer vision.
15. M. Abdullah-Al-Wadud, Md. Abdul Hamid, "A fault-tolerant structural health monitoring protocol using wireless sensor networks," *Annals of Telecommunications-Annales des télécommunications*, 69(3-4), 219-228, April 2014 (**SCI**; Impact Factor **0.633**).
Related field(s) of research: Artificial intelligence, Wireless sensor networks.
16. SM Zahid Ishraque, Mohammad Shoyaib, Abdullah-al-Wadud, Md Monirul Hoque, Oksam Chae, "A Local Adaptive Image Descriptor," *New Review of Hypermedia and Multimedia*, Vol. 19, Issue 3-4, pp. 286-298, 2013 (**SCIE**; Impact Factor **0.259**). (**cited by 1**)
Related field(s) of research: Computer Vision.
17. M. Abdullah-Al-Wadud, "A TDMA Scheme for Mobile Sensor Networks," *International Journal of Distributed Sensor Networks*, Vol. 2013, 21 June 2013 (**SCIE**; Impact Factor **0.727**).
Related field(s) of research: Wireless sensor networks.
18. Mohammad Shoyaib, M. Abdullah-Al-Wadud, Oksam Chae, "A Skin Detection Approach Based on the Dempster-Shafer Theory of Evidence," *International Journal of Approximate Reasoning*, Elsevier, Volume 53, Issue 4, pp. 636-659, June 2012. (**SCI**; Impact Factor: **1.948**) (**cited by 27**). (**ranked 11th** in the list of most downloaded paper of the Journal in 2012)
Related field(s) of research: Artificial intelligence, Computer vision.
19. M. Shoyaib, M. Abdullah-Al-Wadud, O. Chae, R. Byungyong, "Skin detection using statistics of small amount of training data," *Electronics Letters, IET*, Volume 48, Issue 2, pp. 87-88, 19 January 2012. (**SCI**; Impact Factor: **0.965**). (**cited by 6**).
Related field(s) of research: Artificial intelligence, Computer vision.
20. Mohammad Shoyaib, M. Abdullah-Al-Wadud, Oksam Chae, "A Noise-Aware Coding Scheme for Texture Classification," *Sensors* (ISSN: 1424-8220), Vol. 11, No. 8, pp. 8028-8044, 15 August 2011 (**SCIE**; Impact Factor: **1.821**). (**cited by 3**).
Related field(s) of research: Computer vision.
21. S. M. Kamruzzaman, Md. Abdul Hamid, M. Abdullah-Al-Wadud, "An energy-efficient MAC protocol for QoS provisioning in cognitive radio ad hoc networks," *Radioengineering*, published by Brno University of Technology, vol. 19, no. 4, pp. 567-578, Dec. 2010 (**SCIE**; Impact Factor: **0.739**). (**cited by 10**).
Related field(s) of research: Cognitive radio ad hoc networks.
22. M. A. Hamid, M. Abdullah-Al-Wadud, I. Chong, "A Schedule-based Multi-channel MAC Protocol for Wireless Sensor Networks," *Sensors* (ISSN: 1424-8220), 10, 9466-9480, 21 October 2010 (**SCIE**; Impact Factor: **1.821**). (**cited by 7**).
Related field(s) of research: Wireless Sensor Networks.

23. Md. Hasanul Kabir, M. Abdullah-Al-Wadud, Oksam Chae, "Brightness Preserving Image Contrast Enhancement using Weighted Mixture of Global and Local Transformation Functions," International Arab Journal of Information Technology, Published by Zarqa University, Vol. 7, No. 4, pp. 403-410, October 2010 (**SCIE**; Impact Factor: **0.127**) (**cited by 35**).
Related field(s) of research: Image processing
24. Md. Abdul Hamid, M. Abdullah-Al-Wadud, Choong Seon Hong, Oksam Chae, Sungwon Lee, "A Robust Security Scheme for Wireless Mesh Enterprise Networks," Annals of Telecommunications, Springer, Vol. 64(5-6), pp. 401-413, 23 January 2009. (**SCI**; Impact Factor **0.333**). (**cited by 3**).
Related field(s) of research: Wireless Mesh Networks, Security.
25. M. Abdullah-Al-Wadud, Mohammad Shoyaib, and Oksam Chae, "A Skin Detection Approach Based on Color Distance Map," EURASIP Journal on Advances in Signal Proc., vol. 2008, Online since March 2009. (**SCIE**; Impact Factor **1.055**) (**cited by 15**).
Related field(s) of research: Computer Vision.
26. M. Abdullah-Al-Wadud, Md. Hasanul Kabir, M. Ali Akber Dewan, Oksam Chae, "A Dynamic Histogram Equalization for Image Contrast Enhancement," IEEE transaction on Consumer Electronics, May 2007, Vol. 53(2), pp. 593-600. (**SCI**; Impact Factor **0.985**) (**cited by 334**).
Related field(s) of research: Image processing.
27. M. Abdullah-Al-Wadud, Oksam Chae, "Minimizing the Search Space for Shape Retrieval Algorithms," Springer-Verlag Lecture Notes in Computer Science (LNCS), ISCIS, Turkey, November 2006, pp. 247-256. (**SCIE**; Impact Factor **0.402**).
Related field(s) of research: Computer Vision, Algorithms.
28. Md. Hasanul Kabir, M. Abdullah-Al-Wadud, Oksam Chae, "Image Contrast Enhancement Based on Block-Wise Intensity-Pair Distribution with Two Expansion Forces," Springer-Verlag Lecture Notes in Computer Science (LNCS), CIARP, Mexico, November 2006, pp. 105-114 (**SCIE**; Impact Factor **0.402**).
Related field(s) of research: Image processing

Other Journals

29. SA Al-Anazi, P Vasant, M. Abdullah-Al-Wadud, "An Improved Similarity Metric for Recommender Systems," International Journal of Computers, vol. 1, pp. 154-157, 2016.
Related field(s) of research: Information retrieval.
30. M. Abdullah-Al-Wadud, "A procedural way of teaching procedural language" International Journal of Computers, vol. 1, 2016.
Related field(s) of research: Education.
31. I. Rahman, P. M. Vasant, B. S. M. Singh, and M. Abdullah-Al-Wadud, "Technical Challenges of Plug-in Hybrid Electric Vehicles Deployment in Smart Electric Grid," Contemporary Engineering Sciences, Vol. 8, no. 24, pp. 1119-1126, 2015. (**indexed by SCOPUS**)
Related field(s) of research: Optimization, Smart Grid.
32. I. Rahman, P. M. Vasant, B. S. M. Singh, and M. Abdullah-Al-Wadud, "Novel Metaheuristic Optimization Strategies for Plug-in-hybrid Electric Vehicles: A Holistic Review," Intelligent Decision Technologies, Vol. 10, no. 2, 2015.
Related field(s) of research: Optimization.
33. I. Rahman, P. M. Vasant, B. S. M. Singh, and M. Abdullah-Al-Wadud, "Technical Challenges of Plug-in Hybrid Electric Vehicles Deployment in Smart Electric Grid," Contemporary Engineering Sciences, Vol. 8, 2015, no. 24, pp. 1119 – 1126, 2015.
Related field(s) of research: Optimization.
34. I. Rahman, P.M. Vasant, B.S.M. Singh, and M. Abdullah-Al-Wadud, "Swarm Intelligence based State-of-Charge Optimization for Charging Plug-in Hybrid Electric Vehicles", Energy and Sustainability V: Special Contributions, v.206, p.261-271, 2015.
Related field(s) of research: Optimization.

35. Imran Rahman, Pandian Vasant, Balbir Singh Mahinder Singh and M. Abdullah-Al-Wadud, 'Hybrid Swarm Intelligence-Based Optimization for Charging Plug-in Hybrid Electric Vehicle' Intelligent Information and Database Systems, Springer International Publishing, pp. 22-30, 2015. **(cited by 2)**
Related field(s) of research: Optimization.
36. I. Rahman, P. M. Vasant, B. S. M. Singh and M. Abdullah-Al-Wadud, "Optimisation of PHEV/EV charging infrastructures: a review," International Journal of Energy Technology and Policy (IJETP), vol. 10, no 3-4, 2014. **(cited by 4)**
Related field(s) of research: Optimization.
37. M. Abdullah-Al-Wadud, "A Human Activity Recognition System Based on Sensory Data related to Object Usage," International Journal of Mechanical, Industrial Science and Engineering, Vol:8, No:1, pp. 34-36, 2014.
Related field(s) of research: Pattern recognition.
38. M. Abdullah-Al-Wadud, "A Moderate histogram equalization method for image enhancement" International Journal of Science and Technology, vol. 11, no. 3, pp. 706-712, 2013. **(cited by 3)**
Related field(s) of research: Image processing
39. M. M. Naushad Ali, M. Abdullah-Al-Wadud and Seok-Lyong Lee, "Moving Object Detection and Tracking using Particle Filter," Applied Mechanics and Materials, ICMI, Vols. 321-324, pp 1200-1204, March 13, 2013. **(indexed by SCOPUS)**
Related field(s) of research: Computer Vision.
40. M. Abdullah-Al-Wadud, "A Modified Histogram Equalization for Contrast Enhancement Preserving the Small Parts in Images," International Journal of Computer Science and Network Security, Vol. 12, No. 2, pp. 1-4, February 2012. **(cited by 6)**
Related field(s) of research: Image processing
41. Hafiz Md. Hasan Babu, M. Abdullah-Al-Wadud, Amin Ahsan Ali, "A Method for Designing Decoded PLAs Using Genetic Algorithm," Dhaka University Journal of Science, Bangladesh, Accepted for publication.
Related field(s) of research: Logic design, Artificial Intelligence.
42. Mohammad Shoyaib, Jo Moo Youl, M. Abdullah-Al-Wadud, Oksam Chae, "Real-time Hand Gesture Recognition for HCI," Journal of Multimedia Technology, vol 10(1), pp. 77-82, 2010.
Related field(s) of research: Computer Vision, Artificial Intelligence.
43. Amiruzzaman Md, Hassan Peyravi, M. Abdullah-Al-Wadud, Yoojin Chung, "Covert Channel Communication by Betterment Steganography," International Journal of Multimedia and Ubiquitous Engineering (IJMUE) Vol.5, No.3, pp. 1-14, July 2010. **(indexed by SCOPUS)**
Related field(s) of research: Steganography, Information security.
44. Amiruzzaman Md, Hassan Peyravi, M. Abdullah-Al-Wadud, Yoojin Chung, "Concurrent Covert Communication Channels," Springer-Verlag Lecture Notes in Computer Science (LNCS), ACN, Vol. 6059/2010, pp. 203-213, Japan, 23-25 Jun 2010. **(cited by 1). (indexed by SCOPUS)**
Related field(s) of research: Steganography, Information security.
45. Mohammad Shoyaib, M. Abdullah-Al-Wadud, Syed Murtuza Baker, Mohammad Nurul Islam and Oksam Chae, "Predicting Protein-Protein Interaction Using Amino Acid Sequence Information: A Computational Approach," Journal of Plant Tissue Culture & Biotechnology (PTC&B), Vol. 20, No. 1, pp. 37-45, June 2010.
Related field(s) of research: Artificial Intelligence, Bio-informatics.
46. Mohammad Shoyaib, M. Abdullah-Al-Wadud, Oksam Chae, "A Reliable Skin Detection Using Dempster-Shafer Theory of Evidence," Springer-Verlag Lecture Notes in Computer Science (LNCS), Vol. 5593, pp. 764-779, ICCSA, Korea, 2009. **(cited by 5) (indexed by SCOPUS)**
Related field(s) of research: Artificial Intelligence, Computer vision.

47. Md. Abdur Razzaque, Choong Seon Hong, M. Abdullah-Al-Wadud, Oksam Chae, "A Fast Algorithm to Calculate Powers of a Boolean Matrix for Diameter Computation of Random Graphs," Springer-Verlag Lecture Notes in Computer Science (LNCS), WALCOM, Vol. 4921, pp. 58-69, Bangladesh, Feb 2008. (Acceptance rate: 33%). **(indexed by SCOPUS) (cited by 3).**
Related field(s) of research: Algorithms.
48. Muhammad Mizanur Rahman, M. Abdullah-Al-Wadud, Oksam Chae, "Performance analysis of Leader Election Algorithms in Mobile Ad hoc Networks," International Journal of Computer Science and Network Security, Vol. 8 No. 2, pp. 257-263, 2008. **(cited by 17).**
Related field(s) of research: Mobile Ad hoc Networks.
49. M. Abdullah-Al-Wadud, Md. Amiruzzaman, Oksam Chae, "A Bottom-Up Merge Sort Eliminating Recursion," Daffodil International University Journal of Science and Technology, volume 3, issue 1, pp. 59-64, January 2008.
Related field(s) of research: Algorithms.
50. Md. Hasanul Kabir, M. Abdullah-Al-Wadud, Mohammad A. U. Khan, Abdur Rashid, and Saghir Ahmad, "Block Overlapped Intensity-Pair Distribution Approach for Image Contrast Enhancement," Information Technology Journal, V. 6 (6), pp. 897-902, 2007. Related field(s) of research: Image processing
51. Hafiz Md. Hasan Babu, M. Abdullah-Al-Wadud, Mosarrat Jahan, "Minimization of multiple output functions," Dhaka University Journal of Science, Vol. 54, No. 5, pp. 7-10, January 2006.
Related field(s) of research: Logic design.

Book Chapter

52. I. Rahman, P. Vasant, B. S. M. Singh, and M. Abdullah-Al-Wadud, "Hybrid Particle Swarm and Gravitational Search Optimization Techniques for Charging Plug-in Hybrid Electric Vehicle", Modern Optimization Algorithms and Applications in Engineering and Economics, Publisher: IGI Global, In Press.
53. I. Rahman, P. M. Vasant, B. S. M. Singh and M. Abdullah-Al-Wadud, "Swarm Intelligence-based Optimization for PHEV Charging Stations" Handbook of Research on Swarm Intelligence in Engineering, Publisher: IGI Global, 374, 2015. **(cited by 1)**
54. M. A. Hamid and M. Abdullah-Al-Wadud, "Schedule-based Multi-channel MAC Protocol for Wireless Sensor Networks," Building Next-Generation Converged Networks: Theory and Practice, Published on January 29, 2013 by CRC Press, Taylor & Francis Group, USA.

International Conferences

55. S. Sharmin, M. Abdullah-Al-Wadud, M. Shoyaib, "SAL:An effective method for Software Defect Prediction", In the proceedings of the 18th IEEE International Conference on Computer and Information Technology (ICCIT), Dec 21-23, 2015, Dhaka, Bangladesh. **(Best paper award).**
Related field(s) of research: Artificial intelligence.
56. M.M. Rahman, S. Rahman, M. Kamal, M. Abdullah-Al-Wadud, E.K. Dey, M. Shoyaib, "Noise Adaptive Binary Pattern for Face Image Analysis", In the proceedings of 18th IEEE International Conference on Computer and Information Technology (ICCIT), Dec 21-23, 2015, Dhaka, Bangladesh. **(Best paper award).**
Related field(s) of research: Computer Vision.
57. M. Abdullah-Al-Wadud, A. S. Alghamdi, "A Modified Approach of Using Ground Truth Samples for Statistical Skin Detection Methods", In the International Conference on Computer, Electronics, and Biomedical Engineering (ICCEBE2015), p. 86, Dubai, UAE, Oct 12, 2015.
Related field(s) of research: Computer Vision.

58. Khalid Hussain, Shanto Rahman, S. M. Khaled , M. Abdullah-Al-Wadud and Mohammad Shoyaib, "Dark Image Enhancement by Locally Transformed Histogram", In the proceedings of the International Conference on Software, Knowledge, Information Management and Applications (SKIMA 2014), Dhaka, Bangladesh, 18-20 December, 2014. **(cited by 1)**.
Related field(s) of research: Image Processing.
59. Dhananjay Singh, Gaurav Tripathi, M. Abdullah-Al-Wadud, Abdullah S Alghamdi, "SEE: A Smart-Eye for Intelligent Transportation System", In the Proceedings of Advanced and Applied Convergence Letters (AACL), ISAAC 2014, Jeju, South Korea, 13-16 November, 2014. **(Best paper award)**
Related field(s) of research: Networking.
60. Imran Rahman, Pandian M. Vasant, Balbir Singh Mahinder Singh, and M. Abdullah-Al-Wadud. "Intelligent energy allocation strategy for PHEV charging station using gravitational search algorithm." In 3rd International Conference On Fundamental And Applied Sciences (ICFAS): Innovative Research in Applied Sciences for a Sustainable Future, vol. 1621, pp. 52-59. AIP Publishing, June 2014. **(cited by 3)**.
Related field(s) of research: Optimization.
61. Mohammad Ibrahim, Md. Iftekharul Alam Efat, Humayun Kayesh Shamol, Shah Mostafa Khaled, Mohammad Shoyaib, M. Abdullah-Al-Wadud, "Dynamic Local Ternary Pattern for Face Recognition and Verification," In the proceedings of the WSEAS International Conference on Computer Engineering and Applications (CEA '14), pp. 146-151, Spain, January 2014. **(cited by 2)**.
Related field(s) of research: Computer Vision.
62. Md. Selim, Saeed Siddik, Alim Ul Gias, M. Abdullah-Al-Wadud, Shah Mostafa Khaled, "A Genetic Algorithm for Software Design Migration from Structured to Object Oriented Paradigm," In the proceedings of the WSEAS International Conference on Computer Engineering and Applications (CEA '14), pp. 187-192, Spain, January 2014. **(cited by 1)**.
Related field(s) of research: Software Engineering, Artificial Intelligence.
63. Asif Imran, Emon Kumar Dey, Kazi Sakib, M. Abdullah-Al-Wadud, "Active-Threaded Algorithms for Provenance Cognition in the Cloud preserving Low Overhead and Fault Tolerance," In the proceedings of the WSEAS International Conference on Computer Engineering and Applications (CEA '14), pp. 249-255, Spain, January 2014. **(cited by 1)**.
Related field(s) of research: Cloud Computing.
64. Md. Abdul Hamid, M. Abdullah-Al-Wadud, Muhammad Mabub Alam, "A Cluster-based MAC Protocol in Hierarchical Wireless Sensor Network for Efficient Data Collection," In the proceedings of the WSEAS International Conference on Computer Engineering and Applications (CEA), pp. 132-137, Spain, January 2014.
Related field(s) of research: Wireless Sensor Network.
65. Fernaz Narin Nur, Selina Sharmin, Md. Abdur Razzaque, M. Abdullah-Al-Wadud, "Congestion Aware Fair Data Delivery in Wireless Multimedia Sensor Networks," In the proceedings of the WSEAS International Conference on Computer Engineering and Applications (CEA '14), pp. 338-345, Spain, January 2014.
Related field(s) of research: Wireless Sensor Network.
66. M. M. Naushad Ali, M. Abdullah-Al-Wadud and Seok- Lyong Lee, "An Efficient Algorithm for Detection of Soccer Ball and Players," Communications in Computer and Information Science (CCIS), vol. 342, the International Conference on. Signal Processing, Image Processing and Pattern Recognition (SIP), Jeju, Korea, November 28-30, 2012. **(cited by 1)**.
Related field(s) of research: Computer Vision.
67. M. M. Naushad Ali and M. Abdullah-Al-Wadud, "Image Enhancement Using a Modified Histogram Equalization," Communications in Computer and Information Science (CCIS), vol. 342, the Int. Conference on. Signal Processing, Image Processing and Pattern Recognition (SIP), pp 17-24, Jeju, Korea, Nov., 2012. **(cited by 2)**.
Related field(s) of research: Computer Vision.

68. SM Zahid Ishraque, Mohammad Shoyaib, M. Abdullah-Al-Wadud, Oksam Chae, "LAID: A Local Adaptive Image Descriptor," in the proceedings of the FTRA International Conference on Advanced IT, Engineering and Management, pp. Jeju, Korea, July 10-12, 2012.
Related field(s) of research: Computer vision
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Related field(s) of research: Image processing
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Related field(s) of research: Computer vision.
72. Md. Abdul Hamid, M. Abdullah-Al-Wadud, Muhammad Mahbub Alam, "A Reliable Structural Health Monitoring Protocol Using Wireless Sensor Networks," In the proceedings of the 14th IEEE International Conference on Computer and Information Technology (ICCIT), pp. 601-606, Dhaka, Bangladesh, Dec 22-24, 2011. **(cited by 7).**
Related field(s) of research: Wireless Sensor Networks, Artificial intelligence.
73. Mohammad Nazmul Haque, Mohammad Shorif Uddin, M. Abdullah-Al-Wadud, Yoojin Chung, "Fast Reconstruction Technique for Medical Images Using Graphics Processing Unit," Springer-Verlag Communications in Computer and Information Science (CCIS), ISSN: 1865-0929, Vol. 260, pp. 300–309, SIP, Korea, December 2011. **(indexed by SCOPUS)**
Related field(s) of research: Image processing
74. M. A. Hamid, M. Abdullah-Al-Wadud, I. Chong, "Multi-channel MAC Protocol for Wireless Sensor Networks: A Schedule-based Approach," In the proceedings of the 25th IEEE International Conference on Information Networking (ICOIN), pp. 68–73, 26-28 January, 2011, Kuala Lumpur, Malaysia. **(cited by 1).**
Related field(s) of research: Wireless sensor networks.
75. Mohammad Shoyaib, M. Abdullah-Al-Wadud, Jo Moo Youl, Muhammad Mahbub Alam, Oksam Chae, "Facial Expression Recognition Based on a Weighted Local Binary Pattern," In the proceedings of the 13th IEEE International Conference on Computer and Information Technology (ICCIT), pp. 321–324, 23-25 Dec, 2010, Bangladesh. **(cited by 3).**
Related field(s) of research: Computer vision.
76. Md Amiruzzaman, M. Abdullah-Al-Wadud, Yoojin Chung, "Minimum Distortion Data Hiding," Springer-Verlag Communications in Computer and Information Science (CCIS), Vol. 117, pp. 151-163, ASEA, Korea, 13-15 December 2010. **(indexed by SCOPUS)**
Related field(s) of research: Steganography, Information security.
77. Md Amiruzzaman, M. Abdullah-Al-Wadud, Yoojin Chung, "An Analysis of Syndrome Coding," Springer-Verlag Communications in Computer and Information Science (CCIS), ISA, Vol. 76, pp. 37-50, Japan, Jun 2010. **(indexed by SCOPUS)**
Related field(s) of research: Steganography, Information security.

78. Md Amiruzzaman, Hassan Peyravi, M. Abdullah-Al-Wadud, Yoojin Chung, "An Improved Steganography Covert Channel," Springer-Verlag Communications in Computer and Information Science (CCIS), Vol. 59, pp. 176-187, ASEA, Korea, 2009. **(indexed by SCOPUS)**
Related field(s) of research: Steganography, Information security.
79. Mohammad Shoyaib, M. Abdullah-Al-Wadud, Jo Moo Youl, Oksam Chae, "A Framework for Digital Cosmetic System," in Proc. of the ACM Int. Conf. on Interaction Sciences: Info. Tech., Culture and Human, pp. 664-669, Korea, 2009.
Related field(s) of research: Image processing, Artificial Intelligence.
80. M. Abdullah-Al-Wadud, Yoojin Chung, "Detecting Mitochondria in Fluorescence Images," in ACM Proceedings of the International Conference on Interaction Sciences: Information Technology, Culture and Human, pp. 722-725, Korea, 2009.
Related field(s) of research: Computer vision.
81. Mohammad Shoyaib, M. Abdullah-Al-Wadud, Oksam Chae, "Adaptive Skin Segmentation Using Color Distance Map," In Proc. of World Congress on Science, Eng. and Tech., Vol. 57, pp. 54-60, Amsterdam, Netherlands, 2009. **(cited by 2)**.
Related field(s) of research: Image processing, Computer vision
82. Mohammad Shoyaib, M. Abdullah-Al-Wadud, Oksam Chae, "Selecting Negative Examples for Protein-Protein Interaction," In proceedings of World Congress on Science, Engineering and Technology, ISSN 2070-3724, Vol. 57, pp. 61-65, Amsterdam, Netherlands, 2009. **(cited by 1)**.
Related field(s) of research: Artificial intelligence, Bio-informatics.
83. Md. Hasanul Kabir, M. Abdullah-Al-Wadud, Oksam Chae, "Global and Local Transformation Function Mixture for Image Contrast Enhancement," In the IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, USA, 2009.
Related field(s) of research: Image processing
84. M. Abdullah-Al-Wadud, Md. Hasanul Kabir, Oksam Chae, "A Spatially Controlled Histogram Equalization for Image Enhancement," In proc. of the 23rd IEEE International Symposium on Computer and Information Sciences (ISCIS), pp. 1-6, Istanbul, Turkey, 2008. **(cited by 4)**.
Related field(s) of research: Image processing
85. M. Abdullah-Al-Wadud, Oksam Chae, "Skin Segmentation Using Color Distance Map and Water-flow Property," In Proc. of the 4th IEEE Int. Conf. on Information Assurance and Security (IAS), pp. 83-88, Naples, Italy, 2008. **(cited by 14)**.
Related field(s) of research: Image processing, Computer vision.
86. M. Abdullah-Al-Wadud, Oksam Chae, "Region-of-Interest Selection for Skin Detection Based Applications," IEEE International Conference on Convergence Information Technology, Korea, 2007, pp. 1999-2004. **(cited by 19)**.
Related field(s) of research: Image processing, Computer vision.
87. M. Abdullah-Al-Wadud, Md. Hasanul Kabir, M. Ali Akber Dewan, Oksam Chae, "A Dynamic Histogram Equalization for Image Contrast Enhancement," IEEE International Conference on Consumer Electronics, ICCE 2007, USA, Digest of Technical Papers. pp. 1-2. **(cited by 3)**.
Related field(s) of research: Image processing.
88. Md. Hasanul Kabir, M. Abdullah-Al-Wadud, M. A. U. Khan, Oksam Chae, M. Bettayeb, "Block based Intensity-Pair Distribution for Image Contrast Enhancement," In proc. of the IEEE International Conference on Emerging Technologies, pp. 76-83, 13-14 Nov., 2006. **(cited by 2)**.
Related field(s) of research: Image processing.
89. M. Abdullah-Al-Wadud, Youngtak Cho, Jeessoo Awe, Oksam Chae, "A Comprehensive System for Learning Image Processing," Proceedings of the IEE 7th International Workshop on Image Analysis for Multimedia Interactive Services, pp 225-228, Korea, April 19-21, 2006.
Related field(s) of research: Image processing, Education.

	<p>90. Md. Anwarul Hoque, M. Abdullah-Al-Wadud, M. Ali Akber Dewan, Oksam Chae, "A Hierarchical Approach of Watershed Algorithm for Image Segmentation," Proceedings of the IEE 7th International Workshop on Image Analysis for Multimedia Interactive Services, pp 25-28, Korea, April 19-21, 2006. Related field(s) of research: Image processing.</p> <p>91. M. Ali Akber Dewan, Md. Anwarul Hoque, M. Abdullah-Al-Wadud, M. Julius Hossain, Oksam Chae, "Real Time Moving Object Detection in Varying Environment for Intelligent Video Monitoring System," Proceedings of IEE the 7th International Workshop on Image Analysis for Multimedia Interactive Services, pp 229-232, Korea, April 19-21, 2006. Related field(s) of research: Computer vision.</p> <p>92. M. Abdullah-Al-Wadud, Oksam Chae, "An approach to minimize the search space for shape retrieval algorithms," Technical Paper Collections, IT International Student Fair, pp 128-131, Korea, August, 2005. Related field(s) of research: Computer Vision, Algorithms.</p> <p>93. Hafiz Md. Hasan Babu, Mosarrat Jahan, M. Abdullah-Al-Wadud, "A Modified Approach of Quine-McClusky Method to Minimize the Multiple-Output Functions," International Conference on Computer and Information Technology (ICCIT), Bangladesh, 2004. Related field(s) of research: Logic design.</p>
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GRADUATE THESIS SUPERVISION	<i>As Supervisor</i>
	<ol style="list-style-type: none"> 1. Abrar Ali Al Amro, "Intrusion detection with kernel PCA", Masters Thesis in King Saud University, Saudi Arabia, Ongoing. 2. Ejla Mahmoud Badry Salih, "Date Fruit Classification Using Computer Vision Technique", Masters Thesis in King Saud University, Saudi Arabia, Ongoing. 3. Samiah Abdullah Al-Anazi, "An Improved Method for Recommender Systems", Masters Thesis in King Saud University, Saudi Arabia, Ongoing. 4. Norah Mohammad Alshaye, "A Gender Recognition System Based on Facial Images", Masters Thesis in King Saud University, Saudi Arabia, Ongoing.
	<i>As Co-Supervisor</i>
	<ol style="list-style-type: none"> 5. Areej Al Moqaree, "An Opportunistic Approach for Communication with C4I Command Center", Masters Thesis in King Saud University, Saudi Arabia, Ongoing. (Supervisor Prof. Abdullah S. Alghamdi) 6. Fahad Parvez Mahdi, "Quantum Computational Intelligence for Economic Emission Dispatch Problems", Masters by Thesis in Universiti Teknologi Petronas (UTP), Malaysia, January 2016. (Supervisor Prof. Pedian. M. Vasant) 7. M.M. Naushad Ali, "Flexible representation and tracking of multiple objects in a video stream through salient features," MS thesis, Hankuk University of Foreign Studies, South Korea, August 2013. (Supervisor Prof. Seok-Lyong Lee)
	<i>As Field Supervisor</i>
	<ol style="list-style-type: none"> 8. Imran Rahman, "A Computational Intelligence-based Approach for Large-Scale Plug-in Hybrid Electric Vehicles (PHEVs)", Masters by Thesis in Universiti Teknologi Petronas (UTP), Malaysia, January 2016. (Supervisor Prof. Pedian. M. Vasant)

AWARDS AND HONORS	<ul style="list-style-type: none"> • Two Best Paper Awards in the 18th IEEE International Conference on Computer and Information Technology (ICCIT), Dhaka, Bangladesh, December 2015. • Best Paper Award in the International Symposium on Advanced and Applied Convergence (ISAAC), South Korea, November 2014
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	<ul style="list-style-type: none"> • Korean Government Scholarship for IT International Students for MS-PhD (Supported By the IITA - Institute for Information Technology Advancement), March 2005 - February 2009. • President Scholarship for Supporting Tuition Fees in Kyung Hee University, March 2005 - February 2009. • Merit Scholarship during Masters studies, the University of Dhaka, 2000-2001 • Merit Scholarship during Bachelors studies, the University of Dhaka, 1996-2000 • Secured the 9th position in the combined merit list of Science Group in the Higher Secondary Certificate exam, 1996
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INVOLVEMENTS IN PROJECTS	<ul style="list-style-type: none"> • Energy Efficient Multipath Routing Protocol for Cognitive Radio Ad Hoc Networks <ul style="list-style-type: none"> ◦ A research project supported by the Research Center, College of Computer and Information Sciences, King Saud University, Saudi Arabia, 2014-till date. ◦ Role: Principal Investigator • Secure Data Aggregation for Dynamic Node WSN <ul style="list-style-type: none"> ◦ A research project supported by the Research Center, College of Computer and Information Sciences, King Saud University, Saudi Arabia, 2014-till date. ◦ Role: Principal Investigator • ICT Assisted Safe Driving for Mitigating Road Accidents in Bangladesh <ul style="list-style-type: none"> ◦ A research project supported by the Ministry of Science and Technology, Bangladesh, 2014-2015. ◦ Role: Consultant • Tracking mitochondria to assist doctors in analyzing diseases. <ul style="list-style-type: none"> ◦ A research project supported by the National Research Foundation (NRF), Korea, 2009-2010. ◦ Role: Research and Development • Motion estimation for hand-held imaging devices. <ul style="list-style-type: none"> ◦ A research project supported by the Samsung Electronics, Korea, 2008, 2019. ◦ Role: Research and Development • Reshaping and beautifying facial images through morphological warping. <ul style="list-style-type: none"> ◦ A research project supported by the Mediachorus, Korea, 2007-2008. ◦ Role: Research and Development
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ACTIVITIES	<i>Membership in Professional Societies</i>
	<ul style="list-style-type: none"> • Member of IEEE • Member of IEEE Consumer Electronics Society
	<i>Membership in Editorial Boards of Journals & International Program Committees</i>
	<ul style="list-style-type: none"> • Organizing Chair, Special Session on Recent Trends in Computer-based Classification at ICIEV 2016, May 14-16, 2016, Dhaka, Bangladesh. Fukuoka, Japan • Organizing Chair, Special Session on Sensor Cloud Technologies for Safe Transportation at ICIEV 2015, June 15-17, 2015, Fukuoka, Japan • Organizing Chair, Special Session on Artificial Intelligent Techniques and its application in Engineering and Operational Research at ACIIDS 2015, Mar, 2015 Bali, Indonesia. • WASET (World Academy of Science, Engineering and Technology) Journals of Natural and Applied Sciences section since 2009. • International Journal of Computing Communication & Networking Research since 2011

	<ul style="list-style-type: none"> • International Journal of Advanced Scientific Engineering and Technological Research since 2011 • Member of the International Program Committee of the IEEE International Conference on Software, Knowledge, Information Management & Applications (SKIMA), Bangladesh/Nepal, since 2015. • Member of the International Program Committee of the IEEE International Conference on Computer and Information Technology (ICCIT), Bangladesh, since 2010. • Member of the International Program Committee of the International Conference on Informatics, Electronics & Vision (ICIEV), Bangladesh/Japan, since 2011. • Member of the International Program Committee of the International Conference on Electrical Information and Communication Technology (EICT), Bangladesh, since 2013. • Chaired different sessions in the International Conference on Interaction Sciences: Information Technology, Culture and Human (ICIS 2009), Korea, and the International Conference on Convergence Information Technology (ICCIT 2009), Korea.
	<i>Invited Talks</i>
	<ul style="list-style-type: none"> • April 2016, "Teaching Information Technology (IT) Courses in Non-IT Departments", Plenary Lecture, 7th International Conference on Education and Educational Technologies (EET '16), Istanbul, Turkey • January 2014, "Applications of Dempster-Shafer Theory of Evidence", Keynote speech, The International Conference on Computer Engineering and Applications, London, United Kingdom. • January 2014, "Decision Making Based on Dempster-Shafer Theory of Evidence", Plenary speech, The International Conference on Computer Engineering and Applications (CEA '14), Spain. • July 2013, "Use of facial expression and liveness test in security", The University of Dhaka, Bangladesh. • January 2011, "Facial Expression recognition", East-West University, Bangladesh. • February 2009, "Current Trends on Advancements of Histogram Equalizations for Image Enhancement", East-West University, Bangladesh.
	<i>Others</i>
	<ul style="list-style-type: none"> • Reviewer for various journals including Journal of Visual Communication and Image Representation (Elsevier), Circuits, Systems & Signal Processing (Springer), Multimedia Tools and Applications (Springer), International Journal of Distributed Sensor networks (Hindawi), IET Image processing, Sensors, Journal of Computer Engineering Research, etc.

EXTRACURRICUL. ACTIVITIES	<ul style="list-style-type: none"> • Was one of the four directors of Korea-Bangladesh Parliamentary Friendship Association. • Conducted classes as a Cultural Exchange Volunteer (CEV) in the Cross Cultural Awareness Program (CCAP) of UNESCO. • Was an active member of CSDU Computer Club. • Successfully arranged two programming contests in the University of Dhaka.
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PROGRAMMING CONTESTS	
2004	<ul style="list-style-type: none"> • "National Collegiate programming Contest", International Islamic University of Chittagong, Bangladesh, coach of the team securing the 3rd Place
2002	<ul style="list-style-type: none"> • "Inter University Programming Contest-2002" held in American International University of Bangladesh (AIUB)- 3rd Place

2001	<ul style="list-style-type: none"> • "The 26th ACM International Collegiate Programming Contest"-Asia Regional 2001-BUET, Dhaka- 6th Place • "The 26th ACM International Collegiate Programming Contest"- Asia Regional 2001-Kanpur, India- 4th Place.
2000	<ul style="list-style-type: none"> • "The 25th ACM International Collegiate Programming Contest"- Asia Regional 2000-Kanpur, India- 14th Place • "The 25th ACM International Collegiate Programming Contest"- Asia Regional 2000-NTU, Singapore.
ONLINE CONTESTS AS A TEAM ENTITLED "MONOWAR & SUJON"	<p>1st Place at the contest held on 2001/05/01 2nd Place at the contest held on 2001/01/19 6th Place at the contest held on 2001/3/15 10th Place at the contest held on 2001/2/4 10th Place at the contest held on 2001/2/9 Participated in many other online programming contests. Ref: http://acm.uva.es/contest/past.html.</p>

COMPUTER SKILLS	<ul style="list-style-type: none"> • Courses during the MS-PhD in Kyung Hee University: Advanced Digital Image Processing, Probability and Statistics and Its Applications, Graph and Network Theory, Distributed Network Management, Intelligent System, Advanced Computer Graphics, Korean Culture and Language Program, Digital Image Processing, Neural Network Theory & Applications, Pattern Recognition, Bio-Signal Processing I, Artificial Life, Artificial Intelligence for Robot, Development of Games, Advanced Computer Technology I, Machine Learning, Advanced Computer Technology II, Machine Vision, Hybrid Intelligent System, Communication Special Lecture 1, Understanding of Korean Language and Culture 2, Information Retrieval Theory. • Courses during the bachelors in the University of Dhaka: Computer Fundamentals, Digital Systems, Discrete Mathematics, Data Structure, Computer Organization & Architecture, Operating System & System Programming, Database Concept, Microprocessor, Theory of Computing, Data Communication, Compiler Design, Combinatorial Optimization, Programming Language Concept, Software Engineering, Information Systems and Systems Analysis, Artificial intelligence, Parallel & Distributed Processing, Design and Testing of VLSI Systems. • Proficiencies in programming languages and other tools: C, C++, VISUAL C++, JAVA, JSP, XML, PASCAL, OpenGL, HTML, ASSEMBLY LANGUAGE, MATLAB, OpenCV, MTES, PROLOG, ORACLE, Network Programming in Windows and Linux, etc.
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I hereby declare that all information given herewith is accurate and up-to-date.

(Mohammad Abdullah-Al-Wadud)