

SHEIKH IQBAL AHAMED

Wehr Professor of Computer Science | Marquette University

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PROFILE

Sheikh Iqbal Ahamed is Wehr Professor of Computer Science at Marquette University and Director of the Ubicomp Lab. His work spans digital health, mobile and pervasive computing, non-invasive sensing, rehabilitation technology, and security and privacy. He served as the founding chair of Marquette's independent Department of Computer Science and is Founder and President of Ubitrix International.

RESEARCH INTERESTS

Mobile and digital health | Artificial intelligence and machine learning for healthcare | Noninvasive sensing and remote monitoring | Rehabilitation engineering and assistive technologies | Human-computer interaction for healthcare | Security, privacy and trust in pervasive computing | Affective and ubiquitous computing

EDUCATION

Ph.D. in Computer Science (2003)

Arizona State University

Dissertation: An Information Dissemination Service for Ubiquitous Computing Applications.

Undergraduate degree in Computer Science and Engineering

Bangladesh University of Engineering and Technology

Thesis: Logic Synthesis and Optimization.

ACADEMIC EMPLOYMENT

Professor (August 2013-Present)

Marquette University

Professor, Marquette University (August 2013 - Present).

Adjunct Professor (August 2013-Present)

CTSI, Medical College of Wisconsin

Adjunct Professor, CTSI, Medical College of Wisconsin (August 2013 - Present).

Adjunct Professor

Biomedical engineering, Marquette University

Adjunct Professor, Biomedical engineering, Marquette University

Research Scientist

R2D2 Center, University of Wisconsin at Milwaukee

Research Scientist, R2D2 Center, University of Wisconsin at Milwaukee

Director

Ubicomp Lab

Director, Ubicomp Lab

Wehr Professor

Department of Computer Science, Marquette University

Wehr Professor, Department of Computer Science, Marquette University

Chair (July 2018-June 2022)

Department of Computer Science, Marquette University

Chair, Department of Computer Science, Marquette University (July 2018 - June 2022).

Visiting Professor (January 2017-June 2017)

University of Tokyo, Japan

Visiting Professor, University of Tokyo, Japan (January 2017 - June 2017).

Associate Professor (August 2008-July 2013)

Marquette University

Associate Professor, Marquette University (August 2008 - July 2013).

Visiting Professor (January 2011-August 2011)

Tsinghua University, Beijing, China

Visiting Professor, Tsinghua University, Beijing, China (January 2011 - August 2011).

Assistant Professor (August 2003-August 2008)

Marquette University

Assistant Professor, Marquette University (August 2003 - August 2008).

Instructor at C.S & Eng. Dept. (May 2000-July 2003)

Arizona State University

Instructor at C.S & Eng. Dept., Arizona State University (May 2000 - July 2003).

R.A. member (January 1998-July 2003)

Arizona State Univ., C.S. & Eng. Department

R.A. member, Arizona State Univ., C.S. & Eng. Department (January 1998 - July 2003).

R.A. (January 2000-May 2000)

Arizona State Univ., C.S. & Eng. Department
R.A., Arizona State Univ., C.S. & Eng. Department (January 2000 - May 2000).

T.A. (January 1998-December 1999)

Arizona State Univ. C.S. & Eng. Department
T.A., Arizona State Univ. C.S. & Eng. Department (January 1998 - December 1999).

Lecturer (December 1995-December 1997)

Ahsanullah University of Science & Engineering
Lecturer, Ahsanullah University of Science & Engineering (December 1995 - December 1997).

External Faculty (December 1995-June 1996)

Bangladesh Univ. of Engineering & Technology
External Faculty, Bangladesh Univ. of Engineering & Technology (December 1995 - June 1996).

Comp. Engineer (March 1995-June 1995)

Reliance Computers
Comp. Engineer, Reliance Computers (March 1995 - June 1995).

PROJECTS & RESEARCH

Digital health systems and interdisciplinary research

Research experience
Professor of Computer Science at Marquette University and Director of the Ubicomp Lab; research affiliations include the R2D2 Center at the University of Wisconsin-Milwaukee and CTSI at the Medical College of Wisconsin.
The lab studies healthcare data analytics and systems built around mobile computing, working on externally funded digital health projects.

Mobile health research and system development

Research experience
Research experience includes AI-based patient monitoring, customized text messaging, low-cost indoor location systems, pain management, mapping technology, and smartphone activity monitoring.
Collaborations span electrical and biomedical engineering, nursing, psychology, psychiatry, social science, public health, and clinical medicine, including hospitals in the United States, Taiwan, Bangladesh, and Nepal and work with American Indian, African American, and Hispanic communities.
Mobile development experience includes iPhone, Android, Windows Mobile, Symbian, TinyOS, sensors, tablets, web applications, and health-data cloud systems. Visiting appointments included the University of Tokyo (2017) and Tsinghua University (2011).

Research mentorship and scholarly service

Research experience
Supervision of doctoral and master's researchers in healthcare and health engineering, and participation in NIH-funded mobile and digital health projects.
Recognition includes Marquette's Way-Klingler young-scholar and senior-scholar honors and research paper/poster awards. Conference program committee service spans mHealth, software engineering, and mobile/pervasive computing.

Interdisciplinary collaboration

Health, computing and engineering
Extensive working experience with medical doctors, nursing, engineering, social science, psychology faculty, scientists, and staff in several funded research projects.

GRANTS & FUNDED RESEARCH

Game-based Mobile-Health Quantification of Upper-Limb Motor Performance in Children with Hemiparetic Cerebral Palsy

Research funding
Ahamed, S. I., Game-based Mobile-Health Quantification of Upper-Limb Motor Performance in Children with Hemiparetic Cerebral Palsy, \$443,004.00, (August 2024- August 2026). (Role: Co-I)

Efficacy of intravenous sub-dissociative ketamine versus intravenous morphine in children with acute pain (MoKA)

Research funding
Ahamed, S. I., Efficacy of intravenous sub-dissociative ketamine versus intravenous morphine in children with acute pain (MoKA), \$316,060.00, (July 2024- August 2029). (Role: PI for Marquette)

Effectiveness of text-based support for parents of suicidal adolescent transitioning from emergency department care

Research funding
Ahamed, S. I., Effectiveness of text-based support for parents of suicidal adolescent transitioning from emergency department care, \$179,194.00 . (July 2024- June 2028). (Role: PI for Marquette)

A Framework for mHealth App Security and Privacy Analysis

Research funding
Ahamed, S. I., A Framework for mHealth App Security and Privacy Analysis. Sponsored by NIH \$1970,000. (September 2023- August 2026). (Role: PI)

mVOR: Mobile based Gaze Stabilization Assessment for Home Vestibular Rehabilitation

Research funding
Ahamed, S. I., mVOR: Mobile based Gaze Stabilization Assessment for Home Vestibular Rehabilitation, Sponsored by NIH \$305,000. (September 2021- August 2023). (Role: PI)

Computer-guided Action Planning to Support Physical Activity (CAPPA) for Employees with Chronic Knee Symptoms

Research funding
Ahamed, S. I., Computer-guided Action Planning to Support Physical Activity (CAPPA) for Employees with Chronic Knee Symptoms, Sponsored by NIH, (Oct 2022-September 2024) \$634,000 (Role: Co-I)

Data Dimensionality Reduction Project

Research funding

Ahamed, S. I., Data Dimensionality Reduction Project. Sponsored by Direct Supply \$280,000. (June 2021- May 2025). (Role: PI)

Adaptive intervention to prevent adolescent suicidal behavior following psychiatric hospitalization: A Sequential Multiple Assignment Randomized Trial

Research funding

Ahamed, S. I., Adaptive intervention to prevent adolescent suicidal behavior following psychiatric hospitalization: A Sequential Multiple Assignment Randomized Trial, Sponsored by NIH \$286,000 (July 2022- June 2026). (Role: PI for Marquette)

2/2 Bangladesh Center for Global Environmental and Occupational Health-US

Research funding

Ahamed, S. I., 2/2 Bangladesh Center for Global Environmental and Occupational Health-US, Sponsored by NIH, \$49,139.00, (July 2022- June 2025), (Role: PI for Marquette)

Opening the Door for Accessibility Ratings in the Community: Stage of Adoption

Research funding

Ahamed, S. I., Opening the Door for Accessibility Ratings in the Community: Stage of Adoption, Sponsored by NIDILLR, \$45,000.00 (Sept 2023-August 2028) (Role: PI for Marquette)

Building Accessibility in the Community

Research funding

Ahamed, S. I., Building Accessibility in the Community, Sponsored by NIDILLR, \$45,000.00 (Sept 2023-August 2028) (Role: PI for Marquette)

Brain Computer Interface, 2025-2026

NMDSI internal grant

Ahamed, S. I., Brain Computer Interface, 2025-2026, \$50K

Telehealth, 2024-2025

NMDSI internal grant

Ahamed, S. I., Telehealth, 2024-2025, \$20K

Non invasive White Cell Count, 2024-2025

NMDSI internal grant

Ahamed, S. I., Non invasive White Cell Count, 2024-2025, \$50K

Rehab Engineering with robotic 2024-2025

NMDSI internal grant

Ahamed, S. I., Rehab Engineering with robotic 2024-2025, \$100K with UWM (\$50K for Marquette)

Data science for Digital Health, 2024-2025

NMDSI internal grant

Ahamed, S. I., Data science for Digital Health, 2024-2025, \$50K

Quantum machine learning for mental Health, 2022-2024

NMDSI internal grant

Ahamed, S. I., Quantum machine learning for mental Health, 2022-2024, \$50K

Self-Monitoring Support Application for Adults with Diabetes and Hypertension

Research funding

Ahamed, S. I., Self-Monitoring Support Application for Adults with Diabetes and Hypertension. Sponsored by NIH \$120,000. (June 2021- June 2024). (Role: PI for Marquette)

A Framework for mHealth App Security and Privacy Analysis

Research funding

Ahamed, S. I., A Framework for mHealth App Security and Privacy Analysis. Sponsored by NIH, \$305,000. (September 2021- August 2023). (Role: PI)

The Effect of Emergency Department and After-Emergency Department Analgesic Treatment on Pediatric Long Bone Fracture Outcomes

Research funding

Ahamed, S. I., The Effect of Emergency Department and After-Emergency Department Analgesic Treatment on Pediatric Long Bone Fracture Outcomes. Sponsored by National Institutes of Health (NIH), Federal, \$208, 981. (October 2018 - September 2023). (Role: PI for Marquette)

Digital Health Conference, NSF

Research funding

Ahamed, S. I., Digital Health Conference, NSF \$12,000 (September 2022- August 2023).

Multifunctional Robotic Assistive Arm (mR2A) for Activities of Daily Living Assistance

Research funding

Ahamed, S. I., Multifunctional Robotic Assistive Arm (mR2A) for Activities of Daily Living Assistance. Sponsored by NIDILRR, Federal, \$117,000. (October 2020 - September 2023). (Role: Co-I)

Home Evaluation App for Community Independence: HESTIA-NextGen

Research funding

Ahamed, S. I., Home Evaluation App for Community Independence: HESTIA-NextGen. Sponsored by NIDILRR, Federal, \$130,927. (October 2020 - September 2023). (Role: Co-I)

Adaptive intervention to prevent adolescent suicidal behavior following psychiatric hospitalization: A Sequential Multiple Assignment Randomized Trial

Research funding

Ahamed, S. I., Adaptive intervention to prevent adolescent suicidal behavior following psychiatric hospitalization: A Sequential Multiple Assignment Randomized Trial. Sponsored by NIH \$182,360. (Oct 2021- May 2026). (Role: Co-I)

Mobile-based Care for children with Autism Spectrum Disorder using Remote Experience Sampling Method (mCARE)

Research funding

Ahamed, S. I. (Principal), Mobile-based Care for children with Autism Spectrum Disorder using Remote Experience Sampling Method (mCARE). Sponsored by NIH, Federal, \$392,737. (July 2018 - May 2020). (Role: PI)

Digital Health Conference, NSF

Research funding

Ahamed, S. I., Digital Health Conference, NSF \$10,000 (September 2021- August 2022).

Nutrition detection using Cell Phone, NSF

Research funding

Ahamed, S. I., Nutrition detection using Cell Phone, NSF \$15000 Via Columbia University (September 2021- August 2022).

mHealth for Global Heath

Research funding

Ahamed, S. I., mHealth for Global Heath. Sponsored by Dr. Richard Love, Private, \$200,000. (January 2017 - December 2021).

Community Participation through Personalized Accessibility Information: The Access Ratings NextGen App

Research funding

Ahamed, S. I., Community Participation through Personalized Accessibility Information: The Access Ratings NextGen App. Sponsored by NIH, Federal, \$22,500. (September 2018 - September 2021).

Family Self-Management Intervention for Parents of Transplanted Children

Research funding

Ahamed, S. I. (Principal), Family Self-Management Intervention for Parents of Transplanted Children. Sponsored by NIH, Federal, \$29,160. (July 2018 - June 2021).

Emotion Detection Using Camera Data

Research funding

Ahamed, S. I., Emotion Detection Using Camera Data. Sponsored by Transformational Technologies, Canada, Private, \$110,000. (February 2019 - January 2021).

24-Hour Risk for Suicide Attempts in a National Cohort of Adolescents

Research funding

Ahamed, S. I., 24-Hour Risk for Suicide Attempts in a National Cohort of Adolescents. Sponsored by NIH, Federal, \$73,895.00. (October 2017 - September 2020).

Software for mentor men-tee for opioid crisis

Research funding

Ahamed, S. I., Software for mentor men-tee for opioid crisis. Sponsored by Medical College of Wisconsin, Local, \$10,000. (October 2018 - June 2020).

mHealth for Global Heath. Other

Research funding

Ahamed, S. I. (Principal), mHealth for Global Heath. Other, \$50,000. (January 2019 - December 2020).

Concussion management

Research funding

Ahamed, S. I., Concussion management. Sponsored by CTSI, Local, \$20,000. (May 2018 - April 2019).

Research funding record

Research funding

Johnson, N. (Co-Principal), Lerret, S. (Principal), Garnier-Villarreal, M. (Co-Investigator), Ahmed, S. I. (Co-Investigator), Dobrozsi, S. (Co-Investigator), Gibson, C. (Supporting), Peds THINK (Transition to Home Intervention): Nursing Interventions to Improve Discharge Outcomes. Sponsored by CTSI, Marquette University, \$50,000. (April 1, 2018 - March 31, 2019).

mHealth for Global Heath

Research funding

Ahamed, S. I., mHealth for Global Heath. Sponsored by Dr. Richard Love, Private, \$25,000. (January 2018 - December 2018).

mTEH Salud a la Vista

Research funding

Ahamed, S. I., mTEH Salud a la Vista. Sponsored by HWPP, State, \$21,600. (January 2017 - December 2018).

(Co-Principal), iPeer: Socio technical support system for veterans

Research funding

Ahamed, S. I. (Co-Principal), iPeer: Socio technical support system for veterans. Sponsored by HWPP, \$140,000. (January 2013 - December 2018).

Johnson, N., Ahmed, S. I., Using an iPad application to prepare for Imaging

Research funding

Johnson, N., Ahmed, S. I., Using an iPad application to prepare for Imaging. Sponsored by Strategic Innovation Funds, Marquette University, \$4,818. (July 1, 2016 - January 1, 2018).

Preemie baby's mom/dad in hospital

Research funding

Ahamed, S. I., Preemie baby's mom/dad in hospital. Sponsored by MCW, Local, \$15,000. (January 2017 - December 2017).

mHealth for global health

Research funding

Ahamed, S. I., mHealth for global health. Sponsored by Dr. Richard Love, Private, \$25,000. (January 2017 - December 2017).

HESTIA: Development of a multi-facet software evaluation for home reintegration: There is an app for that? Sponsored by NIDILRR

Research funding

Ahamed, S. I., HESTIA: Development of a multi-facet software evaluation for home reintegration: There is an app for that? Sponsored by NIDILRR. (September 2016-2017). \$100,000.

American Indian M-health Smoking Dependence Study

Research funding

Ahamed, S. I. (Principal), American Indian M-health Smoking Dependence Study. Sponsored by National Institutes of Health, Federal, \$231,809.00. (August 2012 - July 2017).

mHealth for Global Health

Research funding

Ahamed, S. I., mHealth for Global Health. Sponsored by Dr. Richard Love, Private, \$25,000. (January 2016 - December 2016).

Breast Cancer Palliation Study III

Research funding

Ahamed, S. I. (Principal), Breast Cancer Palliation Study III. Sponsored by IBCRF, Private, \$80,000. (September 2012 - 2016).

Papanek, P. (Co-Principal), Polly, R. (Principal), Ahmed, S. I. (Co-Principal), 1RO1NR013913 Efficacy of m-health self-management intervention

Research funding

Papanek, P. (Co-Principal), Polly, R. (Principal), Ahmed, S. I. (Co-Principal), 1RO1NR013913 Efficacy of m-health self-management intervention. Sponsored by NIH NINR, Federal, \$2,213,790. (September 2012 - August 2016).

Prematurity 101: mHealth enhanced prenatal education

Research funding

Ahamed, S. I., Prematurity 101: mHealth enhanced prenatal education. Sponsored by CTSI, \$20,000. (April 2016).

mHealth for Global Health

Research funding

Ahamed, S. I., mHealth for Global Health. Sponsored by Dr. Richard Love, Private, \$25,000. (January 2015 - December 2015).

Finding Hemoglobin level using video image

Research funding

Ahamed, S. I. (Principal), Finding Hemoglobin level using video image. Sponsored by Blood Center of Wisconsin, Local. (October 2014 - 2015).

mHealth tools for Community Engagement

Research funding

Ahamed, S. I. (Principal), mHealth tools for Community Engagement. Sponsored by MCW, Local. (August 2014 - 2015).

(Co-Principal), "Teleophthalmology to Improve Eye Health among Latinos (TIEHL): UCC-MCW-Marquette Collaboration

Research funding

Ahamed, S. I. (Co-Principal), "Teleophthalmology to Improve Eye Health among Latinos (TIEHL): UCC-MCW-Marquette Collaboration. Sponsored by HWPP, \$15,000. (January 2014 - 2015).

Research funding record

Research funding

Scheidt, R., Johnson, N. (Co-Investigator), Ahmed, S. I. (Co-Investigator), Van Hecke, A. V. (Co-Investigator), Wang, J. (Co-Investigator), CTSI: Robotically-enhanced neuroimaging of memory and prediction in children with autism spectrum disorders - a pilot study. Sponsored by CTSI / NIH / MCW, Federal, \$50,000. (April 1, 2014 - March 31, 2015).

Research funding record

Research funding

Scheidt, R. (Principal), Wang, J. (Supporting), Van Hecke, A. V. (Supporting), Johnson, N. (Supporting), Ahmed, S. I. (Supporting), Robotically-enhanced neuroimaging of memory and prediction in children with autism spectrum disorders - a pilot study. Sponsored by CTSI / NIH, Local. (April 2013 - March 2015).

Scheidt, R. (Principal), Van Hecke, A. V. (Co-Principal), Johnson, N. (Supporting), Ahmed, S. I. (Supporting), Robotically-enhanced neuroimaging of memory and prediction in children with autism spectrum disorders - a pilot study

Research funding

Scheidt, R. (Principal), Van Hecke, A. V. (Co-Principal), Johnson, N. (Supporting), Ahmed, S. I. (Supporting), Robotically-enhanced neuroimaging of memory and prediction in children with autism spectrum disorders - a pilot study. Sponsored by CTSI, Local, \$50,000. (March 2013 - February 2015).

(Co-Principal), mHealth solutions for dementia patients using music

Research funding

Ahamed, S. I. (Co-Principal), mHealth solutions for dementia patients using music. Sponsored by Wisconsin State, State. (January 2014 - January 2015).

Developing Human Computer Interface for Elderly in Taiwan

Research funding

Ahamed, S. I., Developing Human Computer Interface for Elderly in Taiwan. Sponsored by OIE, Marquette University, \$1,500. (December 2013 - December 2014).

mPeer: Mobile Detection of High-Risk Behavior in Veterans - A Sociotechnical Systems Approach

Research funding

Ahamed, S. I., mPeer: Mobile Detection of High-Risk Behavior in Veterans - A Sociotechnical Systems Approach. Sponsored by Medical College of Wisconsin, \$33,135. (January 2013 - 2014).

Cross sectional study

Research funding

Ahamed, S. I. (Principal), Cross sectional study. Sponsored by IBCRF, Marquette University, \$46,000. (October 2012 - 2014).

Patient Discharge Management

Research funding

Ahamed, S. I. (Principal), Patient Discharge Management. Sponsored by Children's Hospital of Wisconsin, \$5,000. (July 2012 - 2014).

Inertial Navigation Systems

Research funding

Ahamed, S. I. (Principal), Inertial Navigation Systems. Sponsored by U.S. Department of Education, Federal, \$86,000. (March 2011 - September 2014).

Smart Tracker Using WiFi: Phase III

Research funding

Ahamed, S. I. (Principal), Smart Tracker Using WiFi: Phase III. Sponsored by WiFi Locator Solutions, LLC, Private. (2011 - 2012).

Breast Cancer Palliation Study Phase II

Research funding

Ahamed, S. I. (Principal), Breast Cancer Palliation Study Phase II. Sponsored by International Breast Cancer Foundation, Other, \$77,794. (August 2011 - July 2012).

A Novel Unobtrusive and Low-Cost Smartphone System to Monitor In Home Rehabilitation and Independent Living Activities

Research funding

Ahamed, S. I. (Principal), A Novel Unobtrusive and Low-Cost Smartphone System to Monitor In Home Rehabilitation and Independent Living Activities. Sponsored by National Institutes of Health, Federal. (2011).

Applying Mobile Technology in Symptom Management for Non-Verbal Patients in the Long-Term Care Setting

Research funding

Ahamed, S. I. (Principal), Applying Mobile Technology in Symptom Management for Non-Verbal Patients in the Long-Term Care Setting. Sponsored by National Institutes of Health, Federal. (2011).

Development and Testing of Cell Phone Applications to Enhance Exercise Self-Management

Research funding

Ahamed, S. I. (Principal), Development and Testing of Cell Phone Applications to Enhance Exercise Self-Management. Sponsored by National Institutes of Health, Federal. (2011).

Indoor Navigation System for People with Low and No Vision

Research funding

Ahamed, S. I. (Principal), Indoor Navigation System for People with Low and No Vision. Sponsored by U.S. Department of Education, Federal. (2011).

Inertial Navigation Systems, a sub award grant through the University of Wisconsin-Milwaukee to develop smart phone technology to unobtrusively monitor a user's daily physical activity

Research funding

Ahamed, S. I., Inertial Navigation Systems, a sub award grant through the University of Wisconsin-Milwaukee to develop smart phone technology to unobtrusively monitor a user's daily physical activity. Sponsored by The U. S. Department of Education and the National Institute on Disability and Rehabilitation Research, \$16,000. (2011).

Brylow, D. W. (Co-Principal), Factor, K. A. (Co-Principal), Research Mentor for REU Site: Computation Across the Disciplines

Research funding

Ahamed, S. I. Brylow, D. W. (Co-Principal), Factor, K. A. (Co-Principal), Research Mentor for REU Site: Computation Across the Disciplines. Sponsored by NSF, Federal. (2011).

Search for Best, Appropriate WiFi Tag and Use Chosen Tag to Develop iPhone Application to Track and Locate Children Wearing Tag

Research funding

Ahamed, S. I., Search for Best, Appropriate WiFi Tag and Use Chosen Tag to Develop iPhone Application to Track and Locate Children Wearing Tag. Sponsored by WiFi Locator Systems, LLC, Private, \$33,980. (June 2010 - December 2011).

The grant will investigate the use of ubiquitous computing technologies for palliative care of 23 SIA 12/16/10 Stage III patients

Research funding

Ahamed, S. I. (Principal), The grant will investigate the use of ubiquitous computing technologies for palliative care of 23 SIA 12/16/10 Stage III patients. Sponsored by International Breast Cancer Research Foundation, Other, \$47,000. (2010 - 2011).

Smart Tracker Using WiFi

Research funding

Ahamed, S. I., Smart Tracker Using WiFi. Sponsored by WiFi Locator Solutions, LLC, Private, \$35,000. (April 2010 - December 2010).

Breast Cancer Palliation Study Phase 1

Research funding

Ahamed, S. I., Breast Cancer Palliation Study Phase 1. Sponsored by International Breast Cancer Research Foundation, Other, \$33,980. (June 2010 - 2010).

To support a student for the spring semester and some lab equipment. The grant will investigate the use of ubiquitous computing technologies to tackle safety issues in the construction industry

Research funding

Ahamed, S. I. (Principal), To support a student for the spring semester and some lab equipment. The grant will investigate the use of ubiquitous computing technologies to tackle safety issues in the construction industry. Sponsored by Seymour Automation, LLC, \$5,500. (2010).

To support a student for the 2010-11 and some lab equipment. The grant will investigate the use of ubiquitous computing technologies for location tracking

Research funding

Ahamed, S. I. (Principal), To support a student for the 2010-11 and some lab equipment. The grant will investigate the use of ubiquitous computing technologies for location tracking. Sponsored by Location Tracking, LLC, \$33,980. (2009 - 2010).

Travel grant

Research funding

Ahamed, S. I. (Principal), Travel grant. Sponsored by 3M research project, Marquette University, \$1,900. (2008).

Way-Klingler Young Scholars Award

Research funding

Ahamed, S. I., Way-Klingler Young Scholars Award. Sponsored by Marquette University Klingler College of Arts and Science, Marquette University, \$32,000. (2008).

Faculty development grant, Faculty development award for presenting paper at the 22nd Annual ACM Symposium on Applied Computing

Research funding

Ahamed, S. I. (Principal), Faculty development grant, Faculty development award for presenting paper at the 22nd Annual ACM Symposium on Applied Computing. Sponsored by Vice Provost for Research and Graduate Program, Marquette University, Marquette University, \$1,900. (March 2007).

3M Faculty Development Award

Research funding

Ahamed, S. I., 3M Faculty Development Award. Sponsored by Minnesota Mining and Manufacturing Corporation (3M), Private, \$700. (2006).

Microsoft Equipment Grant

Research funding

Ahamed, S. I. (Principal), Microsoft Equipment Grant. Sponsored by Microsoft Mobility Research Group, \$5,000. (2006).

Summer Faculty Fellowship Award

Research funding

Ahamed, S. I., Summer Faculty Fellowship Award. Sponsored by Marquette University Graduate School, Marquette University, \$5,500. (2006).

Developing a new model for software engineering project in global environment

Research funding

Ahamed, S. I., Developing a new model for software engineering project in global environment, Sponsored by Minnesota, Mining and Manufacturing Corporation (3M), Private, \$5,500.00. (2005).

Faculty Development Award

Research funding

Ahamed, S. I., Faculty Development Award. Sponsored by Marquette University Klingler College of Arts and Science, Marquette University, \$4500. (2004).

Research funding record

Research funding

Ahamed, S. I. (Co-Principal), Havice, M. J. (Co-Principal), Internal of grant for establishment of a lab in the College of Communications of Marquette University for developing and investigating pervasive computing applications for extending education. Sponsored by Marquette University, Marquette University, \$4,500. (2004).

RESEARCH LEADERSHIP

Academic and conference leadership

Founding chair, Marquette Department of Computer Science

Served as founding chair when Marquette's independent Department of Computer Science was formed in 2018. During this period the M.S. in Data Science launched, and the Ph.D. in Computer Science program began in 2019.

Serves as Standing Committee Chair of IEEE COMPSAC, following earlier vice-chair service. The CV dates the chair appointment to July 2025.

Established the IEEE International Conference on Digital Health in 2021 and secured NSF support for student participation.

Founded Ubitrix, whose work has included SBIR/STTR Phase I and Phase II small-business grants.

TEACHING

Teaching interests

Computer science and digital health

Digital health, mHealth, software engineering, mobile computing, software design, software architecture, Algorithms, Distributed computing, IoT, Machine learning.

COSC 3100: Algorithms

Courses taught at Marquette University

6090: Research method

Courses taught at Marquette University

COSC 4931/5931: Machine learning

Courses taught at Marquette University

COSC 3810: Software Engineering

Courses taught at Marquette University

COSC 5370: IoT

Courses taught at Marquette University

COSC 6390: mHealth

Courses taught at Marquette University

COSC 6355: Mobile Computing

Courses taught at Marquette University

COSC 5931/COSC 4931: Topics in Computer Science

Courses taught at Marquette University

MSCS 6340: Component Architecture

Courses taught at Marquette University

COSC 4998: Senior Design Project

Courses taught at Marquette University

COSC 6050: Elements of Software Development

Courses taught at Marquette University

STUDENT MENTORSHIP

Martuza Ahamad

Doctoral dissertation advising
Dissertation Committee Chair. Martuza Ahamad(August 2024 - May 2029).

Sakifa Aktar

Doctoral dissertation advising
Dissertation Committee Chair. Sakifa Aktar(August 2024 - May 2029).

Masud Rabbani

Doctoral dissertation advising
Dissertation Committee Chair. Masud Rabbani (August 2021 - May 2026).

Md. Raihan Mia

Doctoral dissertation advising
Dissertation Committee Chair. Md. Raihan Mia(August 2022 - May 2026).

Paramita Upama

Doctoral dissertation advising
Dissertation Committee Chair. Paramita Upama (August 2022 - May 2026).

Ishrak Zarif

Doctoral dissertation advising
Dissertation Committee Chair. Ishrak Zarif (August 2021 - January 2026).

Kazi Zawad Arefin

Doctoral dissertation advising
Dissertation Committee Chair. Kazi Zawad Arefin (August 2020 - May 2025).

Shiyu Tian

Doctoral dissertation advising
Dissertation Committee Chair. Shiyu Tian (August 2020 - May 2024).

Nafi Us Sabith

Doctoral dissertation advising
Dissertation Committee Chair. Nafi Us Sabith (August 2021 - May 2025).

Parama Sridevi

Doctoral dissertation advising
Dissertation Committee Chair. Parama Sridevi (August 2021 - May 2025).

Kazi Shafiul Alam

Doctoral dissertation advising
Dissertation Committee Chair. Kazi Shafiul Alam (August 2020 - May 2024).

Nadiyah Johnson

Doctoral dissertation advising
Dissertation Committee Chair. Nadiyah Johnson (August 2021 - May 2024).

Sayed Farzana

Doctoral dissertation advising
Dissertation Committee Chair. Sayeda Farzana (August 2021 - May 2024).

Arafat Mahmood Rahat

Doctoral dissertation advising
Dissertation Committee Chair. Arafat Mahmood Rahat (August 2018 - May 2023).

Md Hasanul Aziz

Doctoral dissertation advising
Dissertation Committee Chair. Md Hasanul Aziz (August 2018 - May 2023).

Riddhiman Adib

Doctoral dissertation advising
Dissertation Committee Chair, Riddhiman Adib (September 2017 - May 2022).

Lin He

Doctoral dissertation advising
Dissertation Committee Chair. Lin He (August 2017 - May 2022).

Jiachen Ma

Doctoral dissertation advising
Dissertation Committee Chair. Jiachen Ma (August 2017 - August 2022).

Fitrat Hossain

Doctoral dissertation advising
Dissertation Committee Chair. Fitrat Hossain (August 2017 - May 2022).

Nazmuz Sakib

Doctoral dissertation advising
Dissertation Committee Chair. Nazmuz Sakib (August 2017 - June 2021).

Jannat Tumpa

Doctoral dissertation advising
Dissertation Committee Chair. Jannat Tumpa (September 2017 - Dec 2021).

Md Kamrul Hasan

Doctoral dissertation advising
Dissertation Committee Chair Md Kamrul Hasan (May 2019).

Drew Williams

Doctoral dissertation advising
Dissertation Committee Chair. Drew Williams (December 2018).

Piyush Saxena

Doctoral dissertation advising
Dissertation Committee Chair. Piyush Saxena (December 2017).

GM Tanim

Doctoral dissertation advising
Dissertation Committee Chair. GM Tanim (August 2011 - December 2017).

Osman Gani

Doctoral dissertation advising
Dissertation Committee Chair. Osman Gani (August 2011 - May 2017).

Ivor Addo

Doctoral dissertation advising
Dissertation Committee Chair. Ivor Addo (May 2013 - May 2016).

Jahangir Alam

Doctoral dissertation advising
Dissertation Committee Chair. Jahangir Alam (August 2011 - May 2016).

Niharika Jain

Doctoral dissertation advising
Dissertation Committee Chair. Niharika Jain (August 2011 - May 2015).

Mohammad Adibuzzaman

Doctoral dissertation advising
Dissertation Committee Chair. Mohammad Adibuzzaman (August 2010 - May 2015).

Rizwana Rizia

Doctoral dissertation advising
Dissertation Committee Chair. Rizwana Rizia (August 2010 - May 2015).

Ferdaus Kawsar

Doctoral dissertation advising
Dissertation Committee Chair. Ferdaus Kawsar (August 2009 - May 2015).

Md. Tanviruzzaman

Doctoral dissertation advising
Dissertation Committee Chair. Md. Tanviruzzaman (January 2009 - May 2014).

Md. Munirul Haque

Doctoral dissertation advising
Dissertation Committee Chair. Md. Munirul Haque (August 2009 - May 2013).

Farzana Rahman

Doctoral dissertation advising
Dissertation Committee Chair. Farzana Rahman (August 2008 - May 2013).

Adib Anik

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Adib Anik (Dec 2023)

Shiyu Tian

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Shiyu Tian (Dec 2022)

Daniel Warner

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Daniel Warner (May 2021).

Shiyu Tian

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Shiyu Tian (May 2021).

Dipranjan Das

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Dipranjan Das (Jan 2021).

Du Zhi

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Du Zhi (December 2018).

Amit Kumar Saha

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Amit Kumar Saha (December 2016 - May 2018).

April Song

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. April Song (December 2015 - May 2017).

Jiayi Xin

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Jiayi Xin (December 2015 - May 2017).

Tanvir Roushan

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Tanvir Roushan (August 2015 - May 2017).

ABM Patwary

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. ABM Patwary (January 2014 - December 2016).

Madiyah Johnson

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Madiyah Johnson (May 2014 - May 2016).

Taskina Hatezeen

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Taskina Hatezeen (May 2014 - May 2016).

Drew Williams

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Drew Williams (October 2013 - May 2014).

Miftah Uddin

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Miftah Uddin (January 2012 - December 2013).

David Polyak

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. David Polyak (August 2011 - December 2013).

Casey O'brien

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Casey O'brien (August 2011 - September 2013).

Golam Ahsan

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Golam Ahsan (August 2013).

Md Osman Gani

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Md Osman Gani (August 2013).

AKM Jahangir Alam Majumder

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. AKM Jahangir Alam Majumder (May 2013).

Rizwana Rizia

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Rizwana Rizia (May 2013).

Colin Ostberg

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Colin Ostberg (December 2012 - May 2013).

Aaron Zaffke

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Aaron Zaffke (August 2012 - May 2013).

Andrew Lize

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Andrew Lize (December 2012).

Erik Musselman

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor. Erik Musselman (July 2012).

David Polyak

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor David Polyak (2011 - 2013).

Weiqiang Wang

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Weiqiang Wang (August 2012).

Ferdaus Kawsar

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Ferdaus Kawsar (2009 - 2011).

Endadul Hoque

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Endadul Hoque (August 2010).

Farzana Rahman

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Farzana Rahman (August 2010).

Chowdury Sharif Hasan

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Chowdury Sharif Hasan (August 2010).

Nick McGinness

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Nick McGinness (May 2009).

Sergey Belyankin

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Sergey Belyankin (May 2009).

Justin Swanson

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Justin Swanson (May 2009).

Sazzad Hossain

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Sazzad Hossain (August 2009).

Karl Stamm

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Karl Stamm (December 2008).

K.M. Asif

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor K.M. Asif (December 2008).

Nilothpal Talukder

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Nilothpal Talukder (December 2008).

Mark Centgraf, Chasqui

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Mark Centgraf, Chasqui (December 2008).

Anahita Vyas

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Anahita Vyas (December 2007).

Md. Haque

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Md. Haque (May 2007).

Haifeng Li

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Haifeng Li (August 2007).

Shameem Ahmed

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Shameem Ahmed (July 2006).

Moushumi Sharmin

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Moushumi Sharmin (June 2006).

Sang Kim

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Sang Kim (May 2006).

Steven Wolfe

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Steven Wolfe (May 2005)

Suresh Anamanamuri

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor Suresh Anamanamuri (May 2005).

Golnaz Y. Rahmatabadi

Master's thesis/essay supervision
Master's Thesis/Essay Supervisor, Golnaz Y. Rahmatabadi (May 2004).

Undergraduate research and senior design

Undergraduate research and senior design
Supervision of undergraduate research and senior design teams since 2004.

INVITED TALKS**Non Invasive White Cell Count**

Invited talk or keynote
Non Invasive White Cell Count, Wisconsin Technology Conference, Oct 2025

Non Intrusive Computing

Invited talk or keynote

Non Intrusive Computing, Invited Talk, Boston University, October 2024

Non Intrusive Computing

Invited talk or keynote

Non Intrusive Computing, Invited Talk, University of Tokyo, October 2024

Digital Health Projects

Invited talk or keynote

Digital Health Projects, Invited Talk, University of Missouri at Kansas City, May 2024

mHealth Projects

Invited talk or keynote

mHealth Projects, Invited Talk, Data Science Symposium, Medical College of Wisconsin, April 2024

IT Innovation

Invited talk or keynote

IT Innovation, Keynote, ACM IT Education Conference, Kennesaw State University, 2023

Digital Health

Invited talk or keynote

Digital Health, Osaka University, 2023

Affective Computing Projects

Invited talk or keynote

Affective Computing Projects, Kennesaw State University, 2022.

Towards Digital Health

Invited talk or keynote

Towards Digital Health, Global Health Club, Virginia, 2021.

Towards Affective Computing

Invited talk or keynote

Towards Affective Computing, International Conference on Sustainability, 2021.

Affective Computing Projects

Invited talk or keynote

Affective Computing Projects, International Conference on Industrial Engineering, 2020.

Future of mHealth

Invited talk or keynote

Future of mHealth, Vietnam, Nov 2018

mHealth

Invited talk or keynote

mHealth, Jiao Tong University, Xian, 2018.

Affective Computing

Invited talk or keynote

Affective Computing, Purdue University, USA, April 2017.

Affective Computing

Invited talk or keynote

Affective Computing, Queen's University, Canada, March 2017.

mHealth

Invited talk or keynote

mHealth, Tokyo University, Tokyo, Japan, January 2017.

Affective Computing

Invited talk or keynote

Affective Computing, BUET, Dhaka, Bangladesh, January 2017.

Affective Computing

Invited talk or keynote

Affective Computing, City University, Hongkong, November 2016.

Invited presentation at Shenzhen Tsinghua University

Invited talk or keynote

Shenzhen Tsinghua University, China, March 2016.

mHealth

Invited talk or keynote

mHealth, Tsinghua University, China, March 2015.

Towards Affective Computing

Invited talk or keynote

Towards Affective Computing, Taichung University, Taiwan, July 2015.

Affective Computing

Invited talk or keynote

Affective Computing, Hongkong Polytechnique University, Hongkong, December 2014.

Future of Pervasive/Ubiquitous Healthcare

Invited talk or keynote

Future of Pervasive/Ubiquitous Healthcare, Tsinghua University, China, April 2012.

Pervasive/Ubiquitous Healthcare

Invited talk or keynote

Pervasive/Ubiquitous Healthcare, Hong Kong City University in Hong Kong, China, February 2012.

Pervasive/Ubiquitous Security

Invited talk or keynote

Pervasive/Ubiquitous Security, Hong Kong University of Science and Technology, China, February 2012.

Pervasive/Ubiquitous Healthcare

Invited talk or keynote

Pervasive/Ubiquitous Healthcare, Cancer Research Center, South Dakota, January 2012.

Pervasive/Ubiquitous Healthcare

Invited talk or keynote

Pervasive/Ubiquitous Healthcare, UWM, February 2012.

Pervasive/Ubiquitous Healthcare

Invited talk or keynote

Pervasive/Ubiquitous Healthcare, Hong Kong Polytechnic University in Hong Kong, China, August 2011.

Privacy in Mobile Cloud

Invited talk or keynote

Privacy in Mobile Cloud, 35th Annual International Computer Software and Applications Conference (COMPSAC 2011), Munich, Germany, July 2012.

PryGuard: A Secure Distributed Authentication Protocol for Pervasive Computing Environment

Invited talk or keynote

24th International Conference on Industrial Engineering and other Applications of Applied Intelligent Systems (IEA-AIE 2011), PryGuard: A Secure Distributed Authentication Protocol for Pervasive Computing Environment, Syracuse, New York, June 2011.

A Feature Extraction Method for Real Time Human Activity Recognition on Cell Phones

Invited talk or keynote

Third International Symposium on Quality-of-Life Technology, A Feature Extraction Method for Real Time Human Activity Recognition on Cell Phones, Toronto, Canada, June 2011.

iFactotum: Sensor-Rich iPhone as a Versatile Tool

Invited talk or keynote

Third International Symposium on Quality-of-Life Technology, iFactotum: Sensor-Rich iPhone as a Versatile Tool, Toronto, Canada, June 2011.

Pervasive Healthcare

Invited talk or keynote

Pervasive Healthcare, Software Engineering group, Tsinghua University in Beijing, China, March 2011.

REBIVE: A Reliable Private Data Aggregation Scheme for Wireless Sensor Networks

Invited talk or keynote

The 26th Annual Association for Computing Machinery (ACM) Symposium on Applied Computing, REBIVE: A Reliable Private Data Aggregation Scheme for Wireless Sensor Networks, Tai Chung, Taiwan, March 2011

Green Computing

Invited talk or keynote

Green Computing, Tsinghua University, China, January 2010.

A secure middleware for Pervasive/ Ubiquitous Computing

Invited talk or keynote

A secure middleware for Pervasive/ Ubiquitous Computing, University of Georgia, GA, January 2010.

Towards A secure middleware for Pervasive/ Ubiquitous Computing

Invited talk or keynote

Towards A secure middleware for Pervasive/ Ubiquitous Computing, IEEE ICCIT 2010, Dhaka, December 2010.

Location Privacy

Invited talk or keynote

Location Privacy, 33rd Annual International Computer Software and Applications Conference (COMPSAC 2009), Seattle, WA, July 2009.

Vehicle Sensor Network

Invited talk or keynote

Vehicle Sensor Network, Douglas Dynamics, LLC, September 2009.

Pervasive healthcare

Invited talk or keynote

Pervasive healthcare, GE healthcare, July 2009.

Pervasive Computing

Invited talk or keynote

Pervasive Computing, Wisconsin Pharmacal Company, LLC, October 2009.

A secure middleware for Pervasive/Ubiquitous Computing

Invited talk or keynote

A secure middleware for Pervasive/Ubiquitous Computing, University of Bridgeport, CT, September 2009.

Towards A secure middleware for Pervasive/Ubiquitous Computing

Invited talk or keynote

Towards A secure middleware for Pervasive/Ubiquitous Computing, University of Illinois at Chicago, IL, June 2009.

A secure middleware for Pervasive/Ubiquitous Computing

Invited talk or keynote

A secure middleware for Pervasive/Ubiquitous Computing, Islamic Institute of Technology, Dhaka, Bangladesh, August 2009.

Towards a secure middleware for Pervasive/Ubiquitous Computing

Invited talk or keynote

Towards a secure middleware for Pervasive/Ubiquitous Computing, United International University, Dhaka, Bangladesh, August 2009.

Towards a secure middleware for Pervasive/Ubiquitous Computing

Invited talk or keynote

Towards a secure middleware for Pervasive/Ubiquitous Computing, Tsinghua University at Beijing, China, which is one of the top ranked University in China, in August 2009.

Towards a secure middleware for pervasive computing

Invited talk or keynote

Towards a secure middleware for pervasive computing, ECE Department, Marquette University, November 11, 2008

Towards a secure middleware for Pervasive/Ubiquitous Computing

Invited talk or keynote

Towards a secure middleware for Pervasive/Ubiquitous Computing, Biomedical engineering, April 2008.

Pervasive healthcare

Invited talk or keynote

Pervasive healthcare, Marshfield Clinic, May 2008.

MEDIA & OUTREACH

Discover Research

Media appearance or interview

Discover Research. (2019).

IEEE Bigdata

Media appearance or interview

IEEE Bigdata (July 2017).

ABC 12 news

Media appearance or interview

ABC 12 news. (June 2015).

One of Italian top 3 daily news

Media appearance or interview

One of Italian top 3 daily news. (November 15, 2014).

12WISN ABC

Media appearance or interview

12WISN ABC. (May 13, 2014).

Discover Research

Media appearance or interview

Discover Research. (2011).

Austrian Radio

Media appearance or interview

Austrian Radio. (November 29, 2011).

Marquette Tribune

Media appearance or interview

Marquette Tribune. (October 19, 2010).

CONSULTING

President, Ubitrix

Technology and research translation

Founder and President of Ubitrix International.

VENTURES

Ubitrix International

Technology and research translation

Founder and President of Ubitrix International, which presents UbiVital, UbiComply and UbiRing as its ventures.

UbiVital

Non-invasive health sensing

Research-based sensing and analysis for health-related measurements. Product capabilities and validation details are available from the venture.

UbiComply

Compliance automation

Tools for compliance evidence collection, control monitoring and workflow automation.

UbiRing

Wearable wellness technology

Wearable technology for wellness insights, presented as a venture by Ubitrix.

Ubicomp Research Lab

Marquette University

The Ubicomp Lab studies mobile, wearable and ambient computing for health, bringing together computing methods, human-centered design and interdisciplinary collaboration.

Dr. Ahamed directs the lab and supervises research students across digital health, sensing, rehabilitation and related computing fields.

PATENTS & INTELLECTUAL PROPERTY

1. Ahamed, S. I., Nafi Sabith, White cell count using non invasive way, (Submitted: Dec 2022)
2. Ahamed, S. I., Hasan, M. K., Love, R. Hemoglobin Level Prediction Using Image Data and an Artificial Neural Network. (Patent Issued: December 2025).
3. Ahamed, S. I. Child tracking using WiFi tag. (Application: April 2012).

JOURNAL ARTICLES

1. Riad Hassan, M. Rubaiyat Hossain Mondal, Sheikh Iqbal Ahamed, Fahad Mostafa, Md Mostafijur Rahman: An efficient dual-line decoder network with multi-scale convolutional attention for multi-organ segmentation. *Biomed. Signal Process. Control.* 112: 108611 (2026)
2. Nafi Us Sabbir Sabith, Sayed Mashroor Mamun, Masud Rabbani, Sheikh Iqbal Ahamed: Toward a Noninvasive mHealth Platform. *Computer* 59(1): 95-107 (2026)
3. Jiachen Ma, Nazmus Sakib, Fahim Islam Anik, Sheikh Iqbal Ahamed: Time-synchronized sentiment labeling via autonomous online comments data mining: A multimodal information fusion on large-scale multimedia data. *Big Data Res.* 41: 100552 (2025)
4. ABM Kamrul Islam Riad, Abdul Barek, Hossain Shahriar, Guillermo Francia, Sheikh Iqbal Ahamed: Reinforcement Learning in Medical Imaging: Taxonomy, LLMs, and Clinical Challenges. *Future Internet* 17(9): 396 (2025)
5. Kazi Shafiu Alam, Sayed Mashroor Mamun, Masud Rabbani, Parama Sridevi, Sheikh Iqbal Ahamed, UbiHeart: A novel approach for non-invasive blood pressure monitoring through real-time facial video, *Smart Health*, Volume 32, 2024, 100473, ISSN 2352-6483, <https://doi.org/10.1016/j.smhl.2024.100473>.
6. Md. Kamrul Hasan, Devansh Saxena, Yakin Rubaiat, Sheikh Iqbal Ahamed, Shion Guha: Design Recommendations towards Developing a Smartphone-Based Point-of-Care Tool for Rural Bangladeshi Users. *Int. J. Hum. Comput. Interact.* 40(4): 965-985 (2024)
7. King CA, Gipson Allen PY, Ahamed SI, et al. 24-Hour warning signs for adolescent suicide attempts, *Psychological Medicine* 2024;54(7):1272-1283. doi:10.1017/S0033291723003112
8. Suma K Thareja, Xin Yang, Paramita Basak Upama, Aziz Abdullah, Shary P rez Torres, Linda Jackson Cocroft, Michael Bubolz, Kari McGaughey, Xuelin Lou, Sailaja Kamaraju, Sheikh Iqbal Ahamed, Praveen Madiraju, Anne E Kwitek, Jeffrey Whittle, Zeno Franco, Equitable community-based participatory research engagement with communities of color drives All of Us Wisconsin genomic research priorities, *Journal of the American Medical Informatics Association*, 2024; ocae265, <https://doi.org/10.1093/jamia/ocae265>
9. Md Raihan Mia, Sheikh Iqbal Ahamed, Samuel Nemanich. Gamified mHealth System for Evaluating Upper Limb Motor Performance in Children: Cross-Sectional Feasibility Study. *JMIR Serious Games*. 2025 February. DOI: 10.2196/57802
10. Slam ABMR, Khan KM, Scarbrough A, Zimpfer MJ, Makkena N, Omogunwa A, Ahamed SI, An Artificial Intelligence-Based Smartphone App for Assessing the Risk of Opioid Misuse in Working Populations Using Synthetic Data: Pilot Development Study, *JMIR Form Res* 2023;7:e45434 doi: 10.2196/45434
11. Franco, Z., Ruffalo, L., Curry, B., Gollin-Graves, M., Ahamed, S. I., Winstead, O., Hooyer, K., Pazdera, M., Rein, L., Lizarraga Mazaba, J., Hossain, Md. F., Stoffel, V., Flower, M., Madiraju, P., Melka, S., Berte, K., & Whittle, J. (2024). Impact of veteran-led peer mentorship on posttraumatic stress disorder. *Journal of Traumatic Stress*, 37, 617-630. <https://doi.org/10.1002/jts.23038>
12. Anik FI, Sakib N, Shahriar H, Xie Y, Nahiyan HA, Ahamed SI. Unraveling a blockchain-based framework towards patient empowerment: A scoping review envisioning future smart health technologies. *Smart Health (Amst)*. 2023 Sep;29:100401. doi: 10.1016/j.smhl.2023.100401. Epub 2023 Apr 14. PMID: 37200573; PMCID: PMC10102703.
13. Md Mahafuzur Rahaman Khan, Md. Samiul Haque Sunny, Tanvir Ahmed, Md Tanzil Shahria, Preet Parag Modi, Md Ishrak Islam Zarif, Javier Dario Sanjuan De Caro, Sheikh Iqbal Ahamed, Helal Uddin Ahmed, Erin M. McGonigle Ketchum, Mohammad Habibur Rahman: Development of a Robot-Assisted Telerehabilitation System With Integrated IoT and Digital Twin. *IEEE Access* 11: 70174-70189 (2023)
14. Jaime R. Hernandez, Md. Samiul Haque Sunny, Javier Sanjuan, Ivan Rulik, Md Ishrak Islam Zarif, Sheikh Iqbal Ahamed, Helal Uddin Ahmed, Mohammad Habibur Rahman: Current Designs of Robotic Arm Grippers: A Comprehensive Systematic Review. *Robotics* 12(1): 5 (2023)
15. Flynn KE, McDonnell SM, Brazauskas R, Ahamed SI, McIntosh JJ, Pitt MB, Pizur-Barnekow K, Kim UO, Kruper A, Leuthner SR, Basir MA. Smartphone-Based Video Antenatal Preterm Birth Education: The Premie Prep for Parents Randomized Clinical Trial. *JAMA Pediatr.* 2023 Jul 31;177(9):921-9. doi: 10.1001/jamapediatrics.2023.1586. Epub ahead of print. PMID: 37523163; PMCID: PMC10481234.
16. Nemanich, S. T., Gillick, B. T., Sukal-Moulton, T., & Ahamed, S. I. (2022). Can Technology Improve Participation From Underserved Children and Families in Rehabilitation Research? *Wisconsin Medical Journal*, 121(3), 174-176. <https://www.ncbi.nlm.nih.gov/pubmed/36301641> PMID: 36301641
17. Md Raihan Mia, Abu Sayed Md Latiful Hoque, Shahidul Islam Khan, Sheikh Iqbal Ahamed, "A privacy-preserving National Clinical Data Warehouse: Architecture and analysis," *Smart Health Journal*, Volume 23, 2022, 100238, ISSN 2352-6483, <https://doi.org/10.1016/j.smhl.2021.100238>.
18. Olawunmi George, Sarthak Dabas, Abdur Sikder, Roger Smith, Praveen Madiraju, Nasim Yahyasoltani, Sheikh Iqbal Ahamed, Enhancing motor imagery decoding via transfer learning, *Smart Health*, Volume 26, 2022, 100339, ISSN 2352-6483, <https://doi.org/10.1016/j.smhl.2022.100339>.
19. Shahria, Md Tanzil, Md Samiul Haque Sunny, Md Ishrak Islam Zarif, Md Mahafuzur Rahaman Khan, Preet Parag Modi, Sheikh Iqbal Ahamed, and Mohammad H. Rahman. "A Novel Framework for Mixed Reality-Based Control of Collaborative Robot: Development Study." *JMIR Biomedical Engineering* 7, no. 1 (2022): e36734.

20. Md Raihan Mia, Hossain Shahriar, Maria Valero, Nazmus Sakib, Bilash Saha, Md Abdul Barek, Md Jobair Hossain Faruk, Ben Goodman, Rumi Ahmed Khan, Sheikh Iqbal Ahamed, A comparative study on HIPAA technical safeguards assessment of android mHealth applications, *Smart Health*, Volume 26, 2022, 100349, ISSN 2352-6483, <https://doi.org/10.1016/j.smhl.2022.100349>.
21. Rabbani, Masud, Munirul M. Haque, Dipranjan Das Dipal, Md Ishrak Islam Zarif, Anik Iqbal, Amy Schwichtenberg, Naveen Bansal, Tanjir Rashid Soron, Syed Ishtiaque Ahmed, and Sheikh Iqbal Ahamed. "A data-driven validation of mobile-based care (mCARE) project for children with ASD in LMICs." *Smart Health* 26 (2022): 100345.
22. Zarif, Md Ishrak Islam, Md Samiul Haque Sunny, Md Tanzil Shahria, Inga Wang, Sheikh Iqbal Ahamed, and Mohammad Rahman. "Towards Developing a Data Management System for Individuals with Upper/Lower Extremities Dysfunctions." *Archives of Physical Medicine and Rehabilitation* 103, no. 12 (2022): e146.
23. Rulik, Ivan, Md Samiul Haque Sunny, Javier Dario Sanjuan De Caro, Md Ishrak Islam Zarif, Brahim Brahmi, Sheikh Iqbal Ahamed, Katie Schultz et al. "Control of a wheelchair-mounted 6DOF assistive robot with Chin and finger joysticks." *Frontiers in Robotics and AI* 9 (2022).
24. Olawunmi George, Sarthak Dabas, Abdur Sikder, Roger O. Smith, Praveen Madiraju, Nasim Yahyasoltani, Sheikh Iqbal Ahamed, State-of-the-Art Versus Deep Learning: A Comparative Study of Motor Imagery Decoding Techniques. *IEEE Access* 10: 45605-45619 (2022)
25. Shahria, Md Tanzil, Md Samiul Haque Sunny, Md Ishrak Islam Zarif, Jawhar Ghommam, Sheikh Iqbal Ahamed, and Mohammad H. Rahman. "A Comprehensive Review of Vision-Based Robotic Applications: Current State, Components, Approaches, Barriers, and Potential Solutions." *Robotics* 11, no. 6 (2022): 139.
26. Rabbani M, Haque MM, Das Dipal D, Zarif MII, Iqbal A, Schwichtenberg A, Bansal N, Soron TR, Ahmed SI, Ahamed SI. An mCARE study on patterns of risk and resilience for children with ASD in Bangladesh. *Sci Rep.* 2021 Nov 1;11(1):21342. doi: 10.1038/s41598-021-00793-7. PMID: 34725409; PMCID: PMC8560902.
27. Li F, Valero M, Shahriar H, Khan RA, Ahamed SI. Wi-COVID: A COVID-19 symptom detection and patient monitoring framework using WiFi. *Smart Health (Amst)*. 2021 March 2019:100147. doi: 10.1016/j.smhl.2020.100147. Epub 2020 November 2021. PMID: 33251320; PMCID: PMC7680085.
28. Haque MM, Rabbani M, Dipal DD, Zarif MII, Iqbal A, Schwichtenberg A, Bansal N, Soron TR, Ahmed SI, Ahamed SI. A machine learning approach to inform developmental milestone achievement for children with autism. *JMIR Med Inform.* 2021 May 12. doi: 10.2196/29242. Epub ahead of print. PMID: 33984830.
29. M. H. Aziz, M. K. Hasan, A. Mahmood, R. Love and S. I. Ahamed, Automated cardiac pulse cycle analysis from photoplethysmogram (PPG) signals generated from fingertip videos captured using a smartphone to measure blood hemoglobin levels, in *IEEE Journal of Biomedical and Health Informatics*, doi: 10.1109/JBHI.2021.3068658.
30. Munirul M. Haque, Masud Rabbani, Dipranjan Das Dipal, Md Ishrak Islam Zarif, Anik Iqbal, Shaheen Akhter, Shahana Parveen, Mohammad Rasel, Golam Rabbani, Faruq Alam, Tanjir Rashid Soron, Syed Ishtiaque Ahmed, Sheikh Iqbal Ahamed, Grant Report on mCARE: Mobile-Based Care for Children with Autism Spectrum Disorder (ASD) for Low- and Middle-Income Countries (LMICs). *J Psychiatry Brain Sci.* 2021;6:e210004. <https://doi.org/10.20900/jpbs.20210004>
31. Hasan MK, Aziz MH, Zarif MII, Hasan M, Hashem MMA, Guha S, Love R, Ahamed S. HeLP ME: Recommendations for Non-invasive Hemoglobin Level Prediction in Mobile-phone Environment. *JMIR Mhealth Uhealth* 2020. doi:10.2196/16806.
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SHORT PAPERS, POSTERS & ABSTRACTS

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2. Camryn Stasulas, Annika Ward, Brittany Wehausen, Karissa Wennstrom, Md Raihan Mia, Sheikh Iqbal Ahamed, Samuel Nemanich. Quantification of upper-limb movement using a mobile health iPad application in children with hemiparetic cerebral palsy. AACPDM 77th Annual Meeting, Chicago, Sept 10-13 2023.
3. Md Raihan Mia, Sheikh Iqbal Ahamed, Samuel Nemanich. A mHealth Game to Quantify Upper-limb Movement Kinematics and Motor Functionality Assessment in Children with Cerebral Palsy. FORWARD THINKING RESEARCH SYMPOSIUM 2023, Marquette University
4. Paramita Basak Upama, Parama Sridevi, Masud Rabbani, Sheikh Iqbal Ahamed "Quantum Machine Learning in Early Detection and Prediction of Human Diseases with Non-invasively or Minimally-invasively Acquired Features" presented at Forward Thinking 2023 , Ubicomp Lab, Department of Computer Science, Marquette University, Milwaukee, WI, United States
5. KZ Arefin, P Sridevi, SI Ahamed, Non invasive Detection of Heart Rate Variability (HRV), Oxygen Saturation and HbA1c, Forward Thinking Research Symposium, Marquette University (Dec 2023)
6. Nafi Sabith, SI Ahamed, Non invasive White Cell count, Forward Thinking Research Symposium, Marquette University (Dec 2023)
7. Masud Rabbani, P Sridevi, SI Ahamed, Non invasive Brain signal analysis, Forward Thinking Research Symposium, Marquette University (Dec 2022)
8. Masud Rabbani, Kazi Shafiul Alam, Md. Raihan Mia, Paramita Basak Upama, Nafi Us Sabbir Sabith, Sheikh Iqbal Ahamed , A Digital Platform Towards Vital Signs Monitoring from Ten-Second Facial Video" presented at Forward Thinking 2022, Ubicomp Lab, Department of Computer Science, Marquette University, Milwaukee, WI, United States
9. Johnson, N., Lerret, S., Polfuss, M., Weiss, M., Sawin, K., White-Traut, R., Garnier-Villarreal, M., Ahamed, S. I., Klingbeil, K., Gibson, C., Gralton, K., 14th International Family Nursing Conference, "Engaging Parents in Education for Discharge using an iPad Application.," International Family Nursing Association, Washington DC. (August 13, 2019).
10. Lerret, S., Johnson, N., Polfus, M., Weiss, M., Sawin, K., White-Traut, R., Garnier-Villarreal, M., Ahamed, S. I., Dobrozs, S., Klingbeil, C., Gibson, C., Gralton, K., Midwest Nursing Research Society Annual Conference, "Engaging Parents in Education for Discharge: Nursing Interventions to Improve Discharge Outcomes.," Midwest Nursing Research Society, Kansas City, Missouri. (March 28, 2019).
11. Johnson, N., Lerret, S., Polfus, M., Weiss, M., Sawin, K., White-Traut, R., Garnier-Villarreal, M., Ahamed, S. I., Klingbeil, C., Gibson, C., Gralton, K., Midwest Nursing Research Society Annual Conference, "Evaluating Nurse Fidelity in Using the 'Engaging Parents in Education for Discharge' (E-PED) iPad-based Intervention at a Pediatric Hospital.," Midwest Nursing Research Society, Kansas City, Missouri. (March 28, 2019).

12. Ahamed, S. I., "Towards Future Healthcare," Marquette University. (March 9, 2019).
13. Johnson, N., Lerret, S., Polfuss, M., Weiss, M., Sawin, K., White-Traut, R., Garnier-Villarreal, M., Ahamed, S. I., Klingbeil, K., Gibson, C., Gralton, K., National Association of Pediatric Nurse Practitioners' (NAPNAP) 40th National Conference on Pediatric Health Care., "Engaging Parents in Education for Discharge: Nursing Interventions to Improve Discharge Outcomes.," National Association of Pediatric Nurse Practitioners, New Orleans, Louisiana. (March 8, 2019).
14. Ahamed, S. I., Tumpa, J., Adib, R., 2018 Forward thinking poster session, Auto detection of diabetic retinopathy. (November 2018).
15. Ma, J., Ahamed, S. I., 2018 Forward thinking poster session, Basketball team's data analysis and prediction. (November 2018).
16. Hasan, M. K., Ahamed, S. I., 2018 Forward thinking poster session, Hemoglobin level detection. (November 2018).
17. Olawunmi, G., Ahamed, S. I., 2018 Forward thinking poster session, Veteran's risky behavior analysis. (November 2018).
18. Ahamed, S. I., International robotics and AI conference, Towards future digital mobile mHealth, Vietnam Research Park, Ho Chi Min City, Vietnam. (November 9, 2018).
19. Ahamed, S. I., IEEE COMPSAC, Towards future digital health, IEEE Computer Society, Tokyo, Japan. (July 24, 2018).
20. Johnson, N., Lerret, S., Johnson, N., Polfuss, M., Weiss, M., Sawin, K., White-Traut, R., Schiffman, R., Garnier-Villarreal, M., Ahamed, S. I., Dobrozsi, S., Klingbeil, C., Gibson, C., Gralton, K., Midwest Nursing Research Society, Pediatric SM-THINK (Self-Management Transition to Home INtervention): Nursing Interventions to Improve Discharge Outcomes, Midwest Nursing Research Society, Cleveland Ohio. (April 14, 2018).
21. Ahamed, S. I., Towards Digital Health: Affective mHealth projects, Xi'an Jiaotong University, Xian, China. (March 19, 2018).
22. Johnson, N., VanAbel, M., Van Hecke, A. V., Ahamed, S. I., Scheidt, R., 13th International Family Nursing Conference, "Preparation For Magnetic Resonance Imaging in a Research Study of Children With and Without Autism Spectrum Disorder and Their Parent. International Family Nursing Association, Pamplona Spain. (June 14, 2017).
23. Ahamed, S. I., IEEE COMPSAC 2016, Big data in Healthcare. IEEE Computer Society, Atlanta. (June 12, 2016).
24. Johnson, N., Salowitz, N. (Author Only), VanAbel, M. (Author Only), Van Hecke, A. V., Ahamed, S. I., Scheidt, R., International Meeting for Autism Research, Using an Ipad Application to Prepare Children with ASD for Research MRI. International Society for Autism Research, Baltimore, Maryland. (May 13, 2016).
25. Ahamed, S. I., Saxena, P., Jain, N., A., 2015 Forward Thinking Poster Session, Autistic kid monitoring. (December 2015).
26. Ahamed, S. I., Do, D., Franco, Z., Yu, X., 2015 Forward Thinking Poster Session, Risky behaviors management using Smart phones. (December 2015).
27. Ahamed, S. I., 2015 Forward Thinking Poster Session, Arthritis patient monitoring. (December 1, 2015).
28. Ahamed, S. I., 2015 Forward Thinking Poster Session, Cloud control using Smart phone. (December 1, 2015).
29. Ahamed, S. I., Hasan, M., Ahsan, G., Love, R., 2015 Forward Thinking Poster Session, Hemoglobin Level detection using Smart Phone. (December 1, 2015).
30. Ahamed, S. I., Hasan, M., Ahsan, G., Love, R., 2015 Forward Thinking Poster Session, Pain Level Detection using Smart Phone. (December 1, 2015).
31. Ahamed, S. I., Hasan, M., Ahsan, G., Kim, O., 2015 Forward Thinking Poster Session, Preemie baby monitoring. (December 1, 2015).
32. Ahamed, S. I., mHealth for Smoking cessation and physical activity. Regional Hospital, Rapid City. (November 2015).
33. Johnson, N., Salowitz, N. (Author Only), Van Abel, M. (Author Only), Van Hecke, A. V. (Author Only), Ahamed, S. I. (Author Only), Scheidt, R. (Author Only), Pediatric Nursing Conference-Maxishare: Innovation in Nursing Practice, Parent and Child Experience of an Innovative iPad Social Script App for Children with and without Autism Spectrum Disorder undergoing a Research Study MRI. Children's Hospital of Wisconsin, Brookfield, WI. (November 4, 2015).
34. Ahamed, S. I., Affective Computing using Smart phone, Taichung. (June 30, 2015).
35. Ahamed, S. I., mHealth and affective using Smart phone, University, Taipei, Taiwan. (March 2015).
36. Ahamed, S. I., 2014 Forward Thinking Poster Session, Ubitrack: Locating lost pilgrim in the crowded area of Mecca during Hajj. Marquette University. (December 2014).
37. Ahamed, S. I., Future of Community Engaged Research and Clinical and Translational Science Institute, Use of technology in Community Engagement. MCW. (December 2014).
38. Ahamed, S. I., 2014 Forward thinking poster, A Generic mHealth Tool for All Devices. (December 2, 2014).
39. Ahamed, S. I., 2014 Forward thinking poster session, Adaptive patient-centered framework for risky behavior detection. (December 2, 2014).
40. Ahamed, S. I., 2014 Forward thinking poster session, Hemoglobin Level Assessment in Bangladesh using Minivideo. (December 2, 2014).
41. Ahamed, S. I., mHealth. PCOR, MCW. (September 2014).
42. Ahamed, S. I., IEEE 38th Annual Computer Software and Applications Conference, Designing Interpersonal Communication Software for the Abilities of Elderly Users. IEEE Computer Society. (July 2014).
43. Ahamed, S. I., IEEE 38th Annual Computer Software and Applications Conference, COMPSAC 2014, Security and privacy in mHealth. IEEE Computer Society. (July 2014).
44. Ahamed, S. I., IEEE 38th Annual Computer Software and Applications Conference, COMPSAC 2014, SPTP: A Trust Management Protocol for Online and Ubiquitous Systems. IEEE Computer Society. (July 2014).
45. Ahamed, S. I., IEEE 38th Annual Computer Software and Applications Conference, COMPSAC 2014, Vasteras, Sweden, July 21-25, 2014, Your Phone Knows You: Almost Transparent Authentication for Smartphones. IEEE Computer Society. (July 2014).
46. Ahamed, S. I., 2014 International Conference on Trustworthy Systems and their Applications, TSA 2014, Taichung, Taiwan, Reference Architecture for High-Availability Automatic Failover between PaaS Cloud Providers. IEEE Reliability Society, Taiwan. (June 2014).
47. Ahamed, S. I., International Conference on Smart Homes and Health Telematics, mHealth. Denver, CO. (June 2014).
48. Ahamed, S. I., HWPP Annual conference, iPeer: mentorship using smart phones. MCW. (May 2014).
49. Ahamed, S. I., Affective Computing using mHealth Technologies. Taiwan National University, Taiwan. (March 2014).
50. Ahamed, S. I., Medical Conference for doctors, Use of mHealth Technologies for Healthcare. MCW. (February 2014).

51. Ahamed, S. I. (Author Only), Ahsan, G. (Author Only), Eldredge, C. (Presenter & Author), mHealth Summit, mHealth for School Food Allergy Emergency Preparedness. HIMSS and NIH, Washington, DC. (December 2013).
52. Ahamed, S. I. (Presenter & Author), Majumder, A. J. A. (Presenter & Author), Forward thinking poster session, A Real-time Smartphone- and Smart shoe-based Fall Prevention System. ORSP, AMU, Marquette University. (December 30, 2013).
53. Ahamed, S. I., Williams, D. (Presenter & Author), Fayezin, T. (Presenter Only), Chu, W. (Author Only), Forward thinking poster session, Designing Human-Computer Interfaces for Elderly People in Taiwan. ORSP, Marquette University. (December 3, 2013).
54. Ahamed, S. I. (Presenter & Author), Gani, M. O. (Presenter & Author), Forward Thinking Poster Session, Recognition of Complex Human Activity on Smartphone. ORSP, Marquette University. (December 3, 2013).
55. Ahamed, S. I. (Presenter & Author), Jain, N. (Presenter & Author), Van Hecke, A. V. (Presenter & Author), Forward Thinking Poster Session, Physiological Monitoring of Children with ASD during PEERS Intervention, ORSP, Marquette University. (December 3, 2013).
56. Ahamed, S. I. (Presenter & Author), Williams, D. (Presenter & Author), Addo, I. (Author Only), Ahsan, G. (Author Only), Forward Thinking Poster Session, Utilization of a SMS-Based Support System for American Indian Smoking Cessation. ORSP, AMU, Marquette University. (December 3, 2013).
57. Ahamed, S. I. (Presenter & Author), 37th Annual IEEE International Computer Software and Applications Conference (COMPSAC 2013), RSSI based Indoor Localization for Smartphone using Fixed and Mobile Wireless Node. IEEE Computer Society, Kyoto, Japan. (July 2013).
58. Ahamed, S. I. (Presenter & Author), CIF: The 3rd IEEE International Workshop on Complex Information Flows, Toward an mHealth Intervention for Smoking Cessation. IEEE Computer Society and COMPSAC 2013, Kyoto, Japan. (July 2013).
59. Ahamed, S. I. (Presenter & Author), The 37th Annual International Computer Software & Applications Conference, Toward Collective Intelligence for Fighting Obesity. IEEE Computer Society, Kyoto, Japan. (July 2013).
60. Johnson, N. (Presenter & Author), Kabobel, O. (Author Only), Lalley, E. (Author Only), Gani, M. (Author Only), Ahamed, S. I. (Author Only), 11th International Family Nursing Conference, Effect of an Ipad Application for Medical Imaging Procedure Preparation for Children with Autism Spectrum Disorder. International Family Nursing Society, Minneapolis, MN. (June 19, 2013).
61. Ahamed, S. I. (Presenter & Author), Alam, M. (Presenter & Author), Obrien, C. (Presenter & Author), Ahsan, G. (Author Only), Franco, Z. (Presenter & Author), Community Health Informatics Workshop, A sociotechnical mental health improvement system for veterans suffering from PTSD. CTSI(NIH), Medical College of Wisconsin, UWM down town campus, Milwaukee. (May 30, 2013).
62. Ahamed, S. I. (Presenter & Author), Alam, M. (Presenter & Author), Obrien, C. (Presenter & Author), Ahsan, G. (Presenter & Author), Franco, Z. (Presenter & Author), Community Health Informatics Workshop, A Sociotechnical Support System Through iPeer for Veteran Mental Health. CTSI (NIH funded), Medical College of Wisconsin, Down town campus of UWM, Milwaukee. (May 30, 2013).
63. Ahamed, S. I. (Presenter & Author), Ahsan, G. (Author Only), Eldredge, C. (Presenter & Author), Community Health Informatics Workshop, mHealth for School Food allergy Emergency Preparedness. CTSI (NIH funded), Medical College Wisconsin, Down town of UWM, Milwaukee. (May 30, 2013).
64. Johnson, N. (Presenter & Author), Kabobel, O., Lalley, E., Rettler, K., Grande, P., Unteutsch, R., Coffey, M., Haberin, S., Gani, M. O., Ahamed, S. I., Research Fly In, Effect of an iPad Application for Medical Procedure Preparation for Children with Autism Spectrum Disorder. Children's Hospital of Wisconsin, Milwaukee WI. (May 24, 2013).
65. Johnson, N., Kabobel, O., Lalley, E., Gani, M. O., Ahamed, S. I., Building Bridges Nursing Conference, MEDICAL IMAGING PROCEDURE PREPARATION FOR CHILDREN WITH AUTISM WITH AN IPAD APP SOCIAL SCRIPT. Milwaukee Wisconsin. (May 15, 2013).
66. Ahamed, S. I. (Presenter & Author), 28th Symposium On Applied Computing, Smartphone-based Fall Prevention System. ACM Special Interest Group on Applied Computing, Coimbra, Portugal. (March 2013).
67. Johnson, N. (Author Only), Kabobel, O. (Presenter & Author), Ahamed, S. I. (Author Only), Gani, M. (Author Only), 37th Annual MNRS Conference, IPAD Application for Imaging Preparation Compared to Regular Care: Two Case Studies of Children with Autism. MNRS, Chicago, IL. (March 8, 2013).
68. Ahamed, S. I., Ahmed, S., Majumder, A. K. M. Jahangir, Mensch, K., Ostberg, C., Rahman, F., Marquette University Office of International Education 2012 International Research Poster Session, mHealthMTT: Bridging the Gap in Communication Using a Mobile Based Intervention for Maternal and Child Healthcare in Rural Bangladesh. Marquette University, Milwaukee, WI. (November 2012).
69. Ahamed, S. I., 14th IEEE International Conference on e-Health Networking, Application & Services (IEEE Healthcom 2012), I am not a Goldfish in a Bowl. Beijing, China. (October 2012).
70. Ahamed, S. I., ACM 2012 Research In Applied Computation Symposium (RACS), MonAC: Detecting Missing Tags for Improved Accuracy in Computational RFID based Assisted Environments. San Antonio, Texas. (October 2012).
71. Ahamed, S. I., mHealthcare, The Hong Kong University of Science and Technology, Hong Kong, China. (August 14, 2012).
72. Rizia, R., Tanviruzzaman, M., Ahamed, S. I., COMPSAC 2012: IEEE Signature Conference on Computer Software and Applications, KnockAround: Location based Service via Social Knowledge. Izmir, Turkey. (July 2012).
73. Tanviruzzaman, M., Rizia, R., Ahamed, S. I., Smith, R., COMPSAC 2012: IEEE Signature Conference on Computer Software and Applications, Americans With Disabilities Act - Compliance Assessment Toolkit on Smartphone. Izmir, Turkey. (July 2012).
74. Haque, M. M., Kawsar, F., Adibuzzaman, M., Ahamed, S. I., ACM SIGCHI Conference on Human Factors in Computing Systems, Findings of e-ESAS: A Mobile Based Symptom Monitoring System for Breat Cancer Patients in Rural Bangladesh. Austin, Texas. (May 2012).
75. Ahamed, S. I., 34th Annaul Great Lakes Biomedical Conference, Towards Palliative Care Using the Mobile Phone in Rural Bangladesh. Milwaukee, Wisconsin. (April 2012).
76. Ahamed, S. I., mHealthcare. Tsinghua University, Beijing, China. (April 2012).
77. Johnson, N., Johnson, N., Lalley, E., Amranata, I., Ahamed, S. I., Midwest Nursing Research Society Conference, Effect of a social script iPad application for children with Autism Spectrum Disorder undergoing medical imaging procedures. MNRS, Dearborn, Michigan. (April 13, 2012).
78. Haque, M. M., Kawsar, F., Roe, D., Ahamed, S. I., Love, R., Dowla, R., Selim, R., International Conference on Mobile Communication for Development, Mobile Based Health Care Solutions for Breast Cancer Patients. New Delhi, India. (February 2012).
79. Ahamed, S. I., Pervasive/Ubiquitous Healthcare. City University, Hong Kong, China. (February 2012).
80. Ahamed, S. I., Towards Design and Implementation of a Secure Middleware for Pervasive/Ubiquitous Computing. Hong Kong University of Science and Technology, Hong Kong, China. (February 2012).

81. Ahamed, S. I., Fehring, R., Polyak, D., Forward Thinking Poster Session, A Diagnostic System for Monitoring the Menstrual Cycle as a Vital Sign for Women's Health. Marquette University. (December 2011).
82. Ahamed, S. I., Kawsar, F. A., Wang, W., O'Brien, C., Forward Thinking Poster Session, Accurate Estimation of Future Health Risk: Building a Model to Estimate Future Health Risk from Activity Data from Cell Phones. Marquette University. (December 2011).
83. Ahamed, S. I., Adibuzzaman, M., Kawsar, F. A., Haque, M. M., Gani, M. O., Steinhafel, N., Forward Thinking Poster Session, Multimodal Ubiquitous Affect Detection for Social Network. Marquette University. (December 2011).
84. Ahamed, S. I., Rizia, R., Tanviruzzaman, M., Forward Thinking Poster Session, Scent of a Place: Navigation using Social Knowledge. Marquette University. (December 2011).
85. Ahamed, S. I., Majumder, A.K.M. J., Ebel, Jr., W., Gani, M. O., Kawsar, F., Forward Thinking Poster Session, TAGS: Towards Abnormality in Gait Using Smartphone. Marquette University. (December 2011).
86. Ahamed, S. I., Tanviruzzaman, M., Rizia, R., Forward Thinking Poster Session, "Towards Assessing Accessibility Using a Smartphone," Marquette University. (December 2011).
87. Ahamed, S. I., Gani, M. O., Forward Thinking Poster Session, "Towards Fall Prevention Using Human Activity Genome on Smartphones," Marquette University. (December 2011).
88. Ahamed, S. I., Hasan, C. S., Haque, M. M., Gani, M. O., Research in Applied Computing Symposium (ACM SIG APP) 2011, "Towards TTP-Free Lightweight Solution for Location Privacy Using Location-Based Anonymity Prediction," ACM, Miami, Florida. (November 3, 2011).
89. Ahamed, S. I., "Pervasive/Ubiquitous Healthcare," Hong Kong Polytechnic University in Hong Kong, China. (August 2011).
90. Ahamed, S. I., 24th International Conference on Industrial Engineering and other Applications of Applied Intelligent Systems (IEA-AIE 2011), "PryGuard: A Secure Distributed Authentication Protocol for Pervasive Computing Environment," Syracuse, New York. (June 2011).
91. Ahamed, S. I., Third International Symposium on Quality of Life Technology, "A Feature Extraction Method for Real Time Human Activity Recognition on Cell Phones," Toronto, Canada. (June 2011).
92. Ahamed, S. I., Tanviruzzaman, M., O'Brien, C., Rizia, R., Third International Symposium on Quality of Life Technology, "iFactotum: Sensor-Rich iPhone as a Versatile Tool," Toronto, Canada. (June 2011).
93. Ahamed, S. I., Rahman, F. (Presenter Only), Institute of Electrical and Electronics Engineers (IEEE) Pervasive Computing and Communication (PerCom) conference, "AnonPri: An Efficient Anonymous Private Authentication Protocol," Seattle, WA. (March 2011).
94. Ahamed, S. I., "Pervasive Healthcare," Tsinghua University in Beijing, China. (March 2011).
95. Ahamed, S. I. (Presenter Only), Hoque, E. (Presenter Only), Rahman, F. (Presenter Only), Proc. of the 27th Annual ACM Symposium on Applied Computing (ACM SAC'11), "ProQuPri: Towards Anonymity Protection with Privacy Quantification for Context-aware Applications," Taiwan. (March 2011).
96. Ahamed, S. I. (Presenter Only), Rahman, F. (Presenter Only), Proc. of the 27th Annual ACM Symposium on Applied Computing (ACM SAC'11), "REBIVE: A Reliable Private Data Aggregation Scheme for Wireless Sensor Networks Protocol," Taiwan. (March 2011).
97. Ahamed, S. I., The 26th Annual Association for Computing Machinery (ACM) Symposium on Applied Computing, "REBIVE: A Reliable Private Data Aggregation Scheme for Wireless Sensor Networks," TaiChung, Taiwan. (March 2011).
98. Ahamed, S. I. (Presenter Only), Rahman, F. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "A reliable batch-mode search technique for computational RFID tags," Marquette University, Milwaukee, WI. (December 2010).
99. Ahamed, S. I. (Presenter Only), Tanviruzzaman, M. (Presenter Only), O'Brien, C. (Presenter Only), Rizia, R. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "iFactotum: Sensor-rich iPhone as a General-purpose Tool," Marquette University, Milwaukee, WI. (December 2010).
100. Ahamed, S. I. (Presenter Only), Kawsar, F. A. (Presenter Only), Tanviruzzaman, M. (Presenter Only), Haque, M. (Presenter Only), Adibuzzaman, M. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "The Amader Gram Breast Care Palliation Study: Phase 1," Marquette University, Milwaukee, WI. (December 2010).
101. Ahamed, S. I. (Presenter Only), Kawsar, F. A. (Presenter Only), Tanviruzzaman, M. (Presenter Only), Haque, M. (Presenter Only), Polyak, D. (Presenter Only), Adibuzzaman, M. (Presenter Only), Forward Thinking Poster Session and Research Exchange, Marquette University, "Level of Alcohol intoxication using facial expressions," Marquette University, Milwaukee, WI. (December 2010).
102. Ahamed, S. I. (Presenter Only), IEEE ICCIT 2010, "Towards A secure middleware for Pervasive/ Ubiquitous Computing," Dhaka. (December 2010).
103. Ahamed, S. I. (Presenter Only), Rahman, F. (Presenter Only), Proceedings of the Forward-Thinking Poster Session and Research Exchange, "A reliable batch-mode search technique for computational RFID tags," Marquette University, Milwaukee, WI. (December 2010).
104. Ahamed, S. I., The 13th International Conference on Computer and Information Technology, Ahsanndulla University of Science and Technology, Dhaka, Bangladesh. (December 2010).
105. Ahamed, S. I. (Presenter & Author), 34th Annual International Computer Software and Applications Conference (COMPSAC 2010), "An Approach for Ensuring Robust Safeguard against Location Privacy Violation." (2010).
106. Zulkernain, S., Madiraju, P., Ahamed, S. I., The Third International ICST Conference on MOBILE Wireless MiddleWARE, Operating Systems, and Applications (Mobilware 2010), "A Context Aware Interruption Management System for Mobile Devices," Chicago, IL. (2010).
107. Ahamed, S. I. (Presenter & Author), Third ACM Conference on Wireless Network Security (WiSec), 2010, "Preventing Multi-query Attack in Location-based Services." (2010).
108. Ahamed, S. I. (Other), University of Georgia, Athens, GA. (September 2010).
109. Ahamed, S. I. (Presenter & Author), "A secure middleware for Pervasive/ Ubiquitous Computing," University of Georgia, USA. (January 2010).
110. Ahamed, S. I. (Presenter & Author), "Green computing," Tsinghua University, Beijing, China. (January 2010).
111. Ahamed, S. I. (Presenter & Author), "Towards Green Software Infrastructure Using RCFC (Real-Time Carbon Footprint Calculator)," Tsinghua University, China, (January 2010).
112. Ahamed, S. I. (Presenter Only), Kawsar, F. (Presenter Only), Hasan, C. S. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "Distributed authentication in pervasive computing," Marquette University, Milwaukee, WI. (December 2009).
113. Ahamed, S. I. (Presenter Only), Tanviruzzaman, M. (Presenter Only), Hasan, C. S. (Presenter Only), O'Brien, C. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "ePet: When Cellular Phone Learns to Recognize Its Owner," Marquette University, Milwaukee, WI. (December 2009).

114. Ahamed, S. I. (Presenter Only), Hoque, E. (Presenter Only), Rahman, F. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "Towards green software architecture," Marquette University, Milwaukee, WI. (December 2009).
115. Ahamed, S. I. (Presenter & Author), CCS 09 Workshop, "ePet: When Cellular Phone Learns to Recognize Its Owner." (November 2009).
116. Ahamed, S. I. (Presenter & Author), CCS 09 Workshop, "Trust Based Security Auto-Configuration for Smart Assisted Living Environments." (November 2009).
117. Ahamed, S. I. (Presenter & Author), "Pervasive Computing," Wisconsin Pharmacal Company, LLC. (October 2009).
118. Ahamed, S. I. (Presenter & Author), The First International Workshop on Software Research and Climate Change (WSRCC-1) at Onward!/Oops!, "Some Thoughts on Climate Change and Software Engineering Research," Orlando, FL. (October 2009).
119. Ahamed, S. I. (Presenter & Author), "A secure middleware for Pervasive/ Ubiquitous Computing," University of Bridgeport, Bridgeport, CT. (September 2009).
120. Ahamed, S. I. (Presenter & Author), University of Bridgeport, Bridgeport, CT. (September 2009).
121. Ahamed, S. I. (Presenter & Author), "Vehicle Sensor Network," Douglas Dynamics, LLC. (September 2009).
122. Ahamed, S. I. (Presenter & Author), "A secure middleware for Pervasive/ Ubiquitous Computing," Islamic Institute of Technology, Dhaka, Bangladesh. (August 2009).
123. Ahamed, S. I. (Presenter & Author), "Towards a secure middleware for Pervasive/ Ubiquitous Computing," United International University, Dhaka, Bangladesh. (August 2009).
124. Ahamed, S. I. (Presenter & Author), "Towards a secure middleware for Pervasive/ Ubiquitous Computing," Tsinghua University at Beijing, Beijing, China. (August 2009).
125. Ahamed, S. I. (Presenter & Author), 33rd Annual International Computer Software and Applications Conference (COMPSAC 2009), "A Privacy Enhancing Approach for Identity Inference Protection in Location-Based Services," Seattle, WA. (July 2009).
126. Ahamed, S. I. (Presenter & Author), 33rd Annual International Computer Software and Applications Conference (COMPSAC 2009), "ELALPS: A Framework To Eliminate Location Anonymizer from Location Privacy Systems," Seattle, WA. (July 2009).
127. Ahamed, S. I. (Panelist), 33rd Annual International Computer Software and Applications Conference (COMPSAC 2009), "Location Privacy," Seattle, WA. (July 2009).
128. Ahamed, S. I. (Presenter & Author), "Pervasive healthcare," GE healthcare. (July 2009).
129. Ahamed, S. I. (Presenter & Author), University of Illinois at Chicago, Chicago, IL. (June 2009).
130. Ahamed, S. I. (Presenter & Author), "Towards A secure middleware for Pervasive/ Ubiquitous Computing," University of Illinois at Chicago. (June 2009).
131. Ahamed, S. I. (Presenter Only), Hoque, E. (Presenter Only), Rahman, F. (Presenter Only), Computational Sciences Symposium, "IMPriv: A Context Aware Privacy Sensitive Instant Messaging (IM) Technique," Marquette University, Milwaukee, WI. (April 2009).
132. Ahamed, S. I. (Presenter Only), Computational Sciences Symposium, "PriLoc Service: Privacy Support for Location Based Systems," Marquette University, Milwaukee, WI. (April 2009).
133. Ahamed, S. I. (Presenter Only), Hasan, C. S. (Presenter Only), Sigma XI Poster Symposium, "A Privacy Enhancing Approach for Safeguarding Re-identification Attacks in Location Based Services," Marquette University, Milwaukee, WI. (April 2009).
134. Molla, M., Madiraju, P., Malladi, S., Ahamed, S. I., 3rd International Workshop on Web and Pervasive Security (WPS 2009) in conjunction with IEEE International Conference on Pervasive Computing and Communications (PerCom 2009), "An XML Based Access Control Architecture for Pervasive Computing," Galveston, TX. (March 2009).
135. Ahamed, S. I. (Presenter & Author), PerCom Workshops 2009, "An Adaptive Initial Trust and Demand Aware Secure Resource Discovery (AID-SRD) Model for Pervasive Environments," Houston, TX. (March 2009).
136. Ahamed, S. I. (Presenter Only), Monjur, M. (Presenter Only), Hasan, C. (Presenter Only), Talukder, N. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "Designing and Implementing a Location Privacy System without Location Anonymizer," Marquette University, Milwaukee, WI. (December 2008).
137. Ahamed, S. I. (Presenter Only), Talukder, N. (Presenter Only), Hoque, E. (Presenter Only), Rahman, F. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "Measuring Privacy in Pervasive Computing Environment," Marquette University, Milwaukee, WI. (December 2008).
138. Ahamed, S. I. (Other), "Towards a secure middleware for pervasive computing," ECE Department, Marquette University, Milwaukee, WI. (November 11, 2008).
139. Ahamed, S. I. (Presenter & Author), The 12th International Workshop on Future Trends of Distributed Computing Systems (FTDCS 2008), "ERAP: ECC based RFID Authentication Protocol," Kunming, China. (October 21, 2008).
140. Ahamed, S. I. (Presenter & Author), The 12th International Workshop on Future Trends of Distributed Computing Systems (FTDCS 2008), "Towards a Simple Secured Searching Protocol for Future RFID Applications," Kunming, China. (October 21, 2008).
141. Ahamed, S. I. (Presenter & Author), 32nd Annual International Computer Software and Applications Conference (COMPSAC 2008), "Presented FPCS: A Formal Approach for Privacy-aware Context-based Services," Turku, Finland. (July 28, 2008).
142. Ahamed, S. I. (Presenter & Author), 32nd Annual International Computer Software and Applications Conference (COMPSAC 2008), "WiFi Radar: Design and Implementation of an Infrastructure-less Location Tracking System for Pervasive Environment," Turku, Finland. (July 28, 2008).
143. Ahamed, S. I. (Presenter & Author), "Pervasive healthcare," Marshfield Clinic. (May 2008).
144. Ahamed, S. I. (Presenter & Author), "Towards a secure middleware for Pervasive/ Ubiquitous Computing," Biomedical engineering. (April 2008).
145. Ahamed, S. I. (Presenter & Author), IEEE International Workshop on Web and Pervasive Security of PerCom, "A Risk-aware Trust Based Secure Resource Discovery (RTSRD) Model for Pervasive Computing," Hong Kong. (March 2008).
146. Ahamed, S. I. (Other), "Middleware for Pervasive Computing Applications," Bangladesh Engineering and Technology, Dhaka, Bangladesh. (March 2008).
147. Ahamed, S. I. (Presenter & Author), 31st Annual International Computer Software and Applications Conference (COMPSAC 2007), "An Authentication based Lightweight Device Discovery (ALDD) Model for Pervasive Computing," Beijing, China. (2007).

148. Ahamed, S. I. (Presenter & Author), 31st Annual International Computer Software and Applications Conference (COMPSAC 2007), "An Omnipresent Formal Trust Model (FTM) for Pervasive Computing Environment," Beijing, China. (2007).
149. Ahamed, S. I. (Presenter Only), Fifth Annual IEEE International Conference on Pervasive Computer and Communications (PerCom 2007), "Infrastructure less Location Detection System for Pervasive Computing Environment (Demo)," New York. (2007).
150. Ahamed, S. I. (Presenter Only), Obermiller, I. (Presenter Only), Talukder, N. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "PEACE: PEace of mind for the Aged in a pervasive Computing Environment," Marquette University, Milwaukee, WI. (December 6, 2007).
151. Ahamed, S. I. (Presenter Only), Hossain, S. (Presenter Only), Talukder, N. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "PRISM: Privacy-aware, Reusable, Extensible and Secured Middleware for pervasive Environment," Marquette University, Milwaukee, WI. (December 6, 2007).
152. Ahamed, S. I. (Presenter Only), Asif, K. M. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "Risk Aware Trust Model for Pervasive Computing," Marquette University, Milwaukee, WI. (December 6, 2007).
153. Ahamed, S. I. (Presenter Only), Talukder, N. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "Towards Preventing Inference Attacks for Privacy violation in Pervasive Computing Environment," Marquette University, Milwaukee, WI. (December 6, 2007).
154. Ahamed, S. I. (Presenter & Author), Peking University, Beijing, China. (July 2007).
155. Ahamed, S. I. (Presenter & Author), "Towards security, privacy and trust in Pervasive Computing Applications," Peking University, Beijing. (July 2007).
156. Ahamed, S. I. (Panelist), International Computer Software and Applications Conference (COMPSAC 2007), "Middleware for Open and Dynamic Pervasive Computing Environment," Beijing, China. (July 23, 2007).
157. Ahamed, S. I. (Presenter Only), The 22nd Annual ACM Symposium on Applied Computing (ACM SAC 2007), "Self-healing for Autonomic Pervasive Computing," Seoul, Korea. (March 2007).
158. Ahamed, S. I. (Presenter & Author), The 22nd Annual ACM Symposium on Applied Computing (ACM SAC 2007), "Wellness Assistant: A Virtual Wellness Assistant on a Handheld Device using Pervasive Computing," Seoul, Korea. (March 2007).
159. Ahamed, S. I. (Other), "Research Activites of Ubiquitous Computer (UbiComp) Lab," Johnson Controls. (December 2006).
160. Ahamed, S. I. (Presenter & Author), "Research Activities of Ubiquitous Computing (UbiComp) Lab," Johnson Control. (December 2006).
161. Ahamed, S. I. (Panelist), "How to prepare student on global environment," COMPSAC 2006. (2006).
162. Ahamed, S. I. (Presenter Only), Haque, M. (Presenter Only), Stamm, K. (Presenter Only), Asif, K. M. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "A Wellness Assistant," Marquette University, Milwaukee, WI. (December 5, 2006).
163. Ahamed, S. I. (Presenter Only), Vyas, A. (Presenter Only), Jayanthi, M. (Presenter Only), Haque, M. M. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "An Approach towards RFID security," Marquette University, Milwaukee, WI. (December 5, 2006).
164. Ahamed, S. I. (Presenter & Author), "Research Activities of Ubiquitous Computing (UbiComp) Lab," Security Cluster of College of Engineering. (November 2006).
165. Ahamed, S. I. (Presenter & Author), 30th Annual International Computer 20 SIA 12/16/10 Software and Applications Conference (COMPSAC 2006), "SSRD+: A Privacy-aware Trust and Security Model for Resource Discovery in Pervasive Computing Environment," Chicago, IL. (September 17, 2006).
166. Ahamed, S. I. (Presenter & Author), "Future of Mobile computing," High School Students of Milwaukee. (August 2006).
167. Ahamed, S. I. (Presenter & Author), The 21st Annual ACM Symposium on Applied Computing (ACM SAC 2006), "UbiComp Assistant: An Omnipresent Customizable Service using MARKS," Dijon , France. (April 2006).
168. Ahamed, S. I. (Presenter & Author), First Workshop on Ubiquitous and Pervasive Health Care (UbiCare 2006) in conjunction with Fourth Annual IEEE International Conference on Pervasive Computer and Communications (PerCom 2006), "Healthcare Aide: Towards a Virtual Assistant for Doctors, Patients, Nurses and Resident Doctors Using Pervasive Middleware," Pisa, Italy. (March 2006).
169. Ahamed, S. I. (Presenter & Author), Fourth Annual IEEE International Conference on Pervasive Computer and Communications (PerCom 2006), "An Adaptive Lightweight Trust Reliant Secure Resource Discovery for Pervasive Computing Environments," Pisa, Italy. (March 2006).
170. Ahamed, S. I. (Presenter Only), Sharmin, M. (Presenter Only), Ahmed, S. (Presenter Only), Li, H. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "A Secure Resource Discovery for Pervasive Computing Environments," Marquette University, Milwaukee, WI. (November 30, 2005).
171. Ahamed, S. I. (Presenter Only), Havice, M. J. (Presenter Only), Sharmin, M. (Presenter Only), Ahmed, S. (Presenter Only), Haque, M. M. (Presenter Only), Forward Thinking Poster Session and Research Exchange, "Enhanced Learning for 2010: Pervasive computing in and out of the classroom," Marquette University, Milwaukee, WI. (November 30, 2005).
172. Ahamed, S. I. (Presenter & Author), 29th Annual International Computer Software and Applications Conference (COMPSAC 2005), "PerAd-Service: A Middleware Service for Pervasive Advertisement in M-Business," Edinburgh, Scotland. (July 2005).
173. Ahamed, S. I. (Presenter & Author), Ahmed, S. (Presenter & Author), Sharmin, M. (Presenter & Author), 2005 International Conference on Pervasive Systems and Computing(PSC-05) in conjunction with The 2005 International Multi-conference in Computer Science and Engineering, "Knowledge Usability and Its Characteristics for Pervasive Computing," Las Vegas, NV. (June 27, 2005).
174. Ahamed, S. I. (Presenter & Author), 6th ACIS international Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/ Distributed Computing (SNDP 2005), "A Smart Meeting Room with Pervasive Computing Technologies," Maryland. (May 23, 2005).
175. Ahamed, S. I. (Presenter & Author), International Conference on Information Technology (ITCC), "SAFE-RD (Secure, Adaptive, Fault Tolerant, and Efficient Resource Discovery) in Pervasive Computing Environments," Las Vegas, NV. (April 2005).
176. Ahamed, S. I. (Presenter & Author), "Research activities of Ubiquitous Computing (UbiComp) Lab," MSCS Department, Marquette University. (April 2005).
177. Ahamed, S. I. (Presenter & Author), "MARKS (Adaptive Middleware Adaptability for Resource discovery, Knowledge usability and Self-healing)," Department of Computer Science, University of Wisconsin, Milwaukee. (December 10, 2004).
178. Ahamed, S. I. (Presenter & Author), 16th IASTED International Conference Parallel and distributed Computing and Systems, "An Integrated Approach to Customize Binary Components," MIT, Cambridge, MA. (November 2004).

179. Ahamed, S. I. (Presenter Only), "Challenges of Offshore Outsourcing: Educational Response," 3M project, Marquette University. (October 18, 2004).
180. Ahamed, S. I. (Presenter & Author), International Conference on Pervasive Computing and Communications (PCC'04), "Towards the Design and Implementation of Embedded Database for Pervasive Computing Applications," Las Vegas, NV. (June 2004).
181. Ahamed, S. I. (Presenter & Author), International Workshop on Theoretical Aspects of Wireless Ad Hoc, Sensor, and Peer-to-Peer Networks, "Wireless Sensor Network Framework Design," Chicago, IL. (June 2004).
182. Ahamed, S. I. (Presenter & Author), Database Technology and Applications Workshop of IEEE International Conference on Information Technology ITCC 2004, "Component based Embedded Database for Mobile Embedded Systems," Las Vegas, NV. (April 2004).
183. Ahamed, S. I. (Presenter & Author), IEEE International Conference on Information Technology ITCC 2004, "Experience with a New E-commerce Product Positioning and to-go/not-to go with Rapid Prototype Implementation," Las Vegas, NV. (April 2004).
184. Ahamed, S. I. (Presenter & Author), IEEE International Conference on Information Technology ITCC 2004, "Towards Framework Selection Criteria and Suitability for an Application Framework," Las Vegas, NV. (April 2004).
185. Ahamed, S. I. (Presenter & Author), 6th Int'l Symposium on Autonomous Decentralized Systems (ISADS 2003), "An Approach to Developing Information Dissemination Service for Ubiquitous Computing Applications," IEEE Computer Society, Pisa, Italy. (April 8, 2003).

AWARDS & ACHIEVEMENTS

The Way-Klinger Senior Scholars Award, 2024.(\$100K Award)

Recognition recorded in academic CV

The Way-Klinger Senior Scholars Award, 2024.(\$100K Award)

Best Journal Paper, Elsevier's Smart Health Journal, 2023 (Highest Impact Award)

Recognition recorded in academic CV

Best Journal Paper, Elsevier's Smart Health Journal, 2023 (Highest Impact Award)

Best Journal Paper, Elsevier's Smart Health Journal, 2022 (Highest Impact Award)

Recognition recorded in academic CV

Best Journal Paper, Elsevier's Smart Health Journal, 2022 (Highest Impact Award)

Best paper award, ICHI 2022

Recognition recorded in academic CV

Best paper award, ICHI 2022.

Best paper award, IEEE Digital Health 2021

Recognition recorded in academic CV

Best paper award, IEEE Digital Health 2021.

IEEE Digital Health Service Conference Service Award by IEEE Services, 2021

Recognition recorded in academic CV

IEEE Digital Health Service Conference Service Award by IEEE Services, 2021.

IEEE CS Extra Ordinary Service award, 2019

Recognition recorded in academic CV

IEEE CS Extra Ordinary Service award, 2019.

HWPP Community Engagement award, 2016

Recognition recorded in academic CV

HWPP Community Engagement award, 2016.

Best poster/project (social Innovation) in Forward thinking poster competition, ORSP, Marquette University, November 2015

Recognition recorded in academic CV

Best poster/project (social Innovation) in Forward thinking poster competition, ORSP, Marquette University, November 2015.

Best poster/project in Forward thinking poster competition, ORSP, Marquette University, November 2015

Recognition recorded in academic CV

Best poster/project in Forward thinking poster competition, ORSP, Marquette University, November 2015.

Best Paper Nomination in IEEE COMPSAC 2015, IEEE Computer Society, July 2015

Recognition recorded in academic CV

Best Paper Nomination in IEEE COMPSAC 2015, IEEE Computer Society, July 2015.

Research recognition, 8th International Conference on Pervasive Computing Technologies for Healthcare, May 2014

Recognition recorded in academic CV

Research recognition, 8th International Conference on Pervasive Computing Technologies for Healthcare, May 2014.

Best poster/project in Forward thinking poster competition (International category), ORSP of Marquette University, December 2013

Recognition recorded in academic CV

Best poster/project in Forward thinking poster competition (International category), ORSP of Marquette University, December 2013.

Best paper award in Research in Adaptive and Convergent Systems (RACS), ACM SIGAPP (one of the two major societies of Computer Scientists), October 2013

Recognition recorded in academic CV

Best paper award in Research in Adaptive and Convergent Systems (RACS), ACM SIGAPP (one of the two major societies of Computer Scientists), October 2013.

Best poster/Project in Forward thinking poster session (International Category), Marquette University, December 2012

Recognition recorded in academic CV

Best poster/Project in Forward thinking poster session (International Category), Marquette University, December 2012.

Best Paper Award, IEEE HealthCom 2012, October 2012

Recognition recorded in academic CV

Best Paper Award, IEEE HealthCom 2012, October 2012.

Senior Member of the Institute of Electrical and Electronics Engineers (IEEE), Institute of Electrical and Electronics Engineers (IEEE), October 2012

Recognition recorded in academic CV

Senior Member of the Institute of Electrical and Electronics Engineers (IEEE), Institute of Electrical and Electronics Engineers (IEEE), October 2012.

Best poster/Project in Forward thinking poster session (International Category), Marquette University, December 2011

Recognition recorded in academic CV

Best poster/Project in Forward thinking poster session (International Category), Marquette University, December 2011.

Best poster/Project in Forward thinking poster session, Marquette University, December 2010

Recognition recorded in academic CV

Best poster/Project in Forward thinking poster session, Marquette University, December 2010.

Best Paper Award, 33rd Annual International Computer Software and Applications Conference, July 2009

Recognition recorded in academic CV

Best Paper Award, 33rd Annual International Computer Software and Applications Conference, July 2009.

Way-Klingler Young Scholars recognition, Marquette University

Recognition recorded in academic CV

Way-Klingler Young Scholars recognition, Marquette University.

Invited as a research faculty to Microsoft Headquarter at Redmond, Seattle, Research faculty summit, July 2008

Recognition recorded in academic CV

Invited as a research faculty to Microsoft Headquarter at Redmond, Seattle, Research faculty summit, July 2008.

Best Paper Award, Second International Workshop on Ubiquitous & Trustworthy Computing, December 2007

Recognition recorded in academic CV

Best Paper Award, Second International Workshop on Ubiquitous & Trustworthy Computing, December 2007.

Best Paper Award, 30th Annual IEEE CS International Computer Software and Applications Conference, 2007

Recognition recorded in academic CV

Best Paper Award, 30th Annual IEEE CS International Computer Software and Applications Conference, 2007.

Invited as a research faculty to Microsoft Headquarter at Redmond, Seattle, Research faculty summit, July 2007

Recognition recorded in academic CV

Invited as a research faculty to Microsoft Headquarter at Redmond, Seattle, Research faculty summit, July 2007.

3M Faculty Development Award, 3M, 2006

Recognition recorded in academic CV

3M Faculty Development Award, 3M, 2006.

Summer faculty fellowship Award, 2006

Recognition recorded in academic CV

Summer faculty fellowship Award, 2006.

Invited as a research faculty to Microsoft Headquarter at Redmond, Seattle, security faculty summit, April 2006

Recognition recorded in academic CV

Invited as a research faculty to Microsoft Headquarter at Redmond, Seattle, security faculty summit, April 2006.

3M Faculty Development Award, 3M research project, 2005

Recognition recorded in academic CV

3M Faculty Development Award, 3M research project, 2005.

Invited as a research faculty to Microsoft Headquarter at Redmond, Seattle, Research faculty summit, July 2005,

Recognition recorded in academic CV

Invited as a research faculty to Microsoft Headquarter at Redmond, Seattle, Research faculty summit, July 2005,

Three graduate students from Ubicomp research lab were invited to Toronto, Microsoft academic days, May 2005

Recognition recorded in academic CV

Three graduate students from Ubicomp research lab were invited to Toronto, Microsoft academic days, May 2005.

Faculty Development Award, College of Arts and Sciences, Marquette University, 2004

Recognition recorded in academic CV

Faculty Development Award, College of Arts and Sciences, Marquette University, 2004.

Honorary member, Who's who international for professional management, January 2003

Recognition recorded in academic CV

Honorary member, Who's who international for professional management, January 2003.

Excellent Teaching Associate 1999, Arizona State University, 1999

Recognition recorded in academic CV

Excellent Teaching Associate 1999, Arizona State University, 1999.

Graduate Academic scholarship, 1998

Recognition recorded in academic CV

Graduate Academic scholarship, 1998.

Graduate Tuition Scholarship, 1998

Recognition recorded in academic CV

Graduate Tuition Scholarship, 1998.

Computer Science Honors society Member: UPE and Gamma Beta Phi, since 1994

Recognition recorded in academic CV

Computer Science Honors society Member: UPE and Gamma Beta Phi, since 1994.

President's Award 1987, Peoples Republic of Bangladesh, 1987

Recognition recorded in academic CV

President's Award 1987, Peoples Republic of Bangladesh, 1987.

President's Award 1985, Peoples Republic of Bangladesh, 1985

Recognition recorded in academic CV

President's Award 1985, Peoples Republic of Bangladesh, 1985.

REVIEWING, SERVICE & LEADERSHIP

Editor of IEEE COMPSAC proceedings 2015-to date

Editorial roles

Editor of IEEE COMPSAC proceedings 2015-to date

Editor of IEEE Digital Health proceedings 2021-to date

Editorial roles

Editor of IEEE Digital Health proceedings 2021-to date

Guest Editor, Special Issue on Information and Future Communication Security, Computer Communications (indexed by SCI-E, Elsevier), 2010

Editorial roles

Guest Editor, Special Issue on Information and Future Communication Security, Computer Communications (indexed by SCI-E, Elsevier), 2010

Guest Editor, Special Issue on Advanced Mobile Applications and Intelligent Multimedia Systems for Ubi-Com, Mobile Networks and Applications (indexed by SCI-E, Springer), 2009/10

Editorial roles

Guest Editor, Special Issue on Advanced Mobile Applications and Intelligent Multimedia Systems for Ubi-Com, Mobile Networks and Applications (indexed by SCI-E, Springer), 2009/10

Member, Editorial Board, International Journal of Network Security

Editorial roles

Member, Editorial Board, International Journal of Network Security (2005-06)

NIH: 2014-2026

Grant review panels

NIH: 2014-2026.

NSF: 2006-10; 2011, 2022

Grant review panels

NSF: 2006-10; 2011, 2022.

NSERC, NSF of Canada, 2016-2022

Grant review panels

NSERC, NSF of Canada, 2016-2022

Two countries of EU

Grant review panels

Two countries of EU.

IEEE Transactions on Mobile Computing

Journal review

IEEE Transactions on Mobile Computing.

IEEE Transactions on Services Computing

Journal review

IEEE Transactions on Services Computing.

Journal of Systems & Software, Elsevier

Journal review

Journal of Systems & Software, Elsevier.

IEEE Transactions on Systems, Man and Cybernetics

Journal review

IEEE Transactions on Systems, Man and Cybernetics.

IEEE Transactions on Vehicular Technology

Journal review

IEEE Transactions on Vehicular Technology.

Journal of Interconnection Networks (JOIN)

Journal review

Journal of Interconnection Networks (JOIN).

IEEE International Conference on Digital Health, General Chair

Conference and workshop leadership

IEEE International Conference on Digital Health, General Chair.

IEEE Digital Health Executive Program Chair

Conference and workshop leadership

IEEE Digital Health Executive Program Chair (2020- present).

IEEE COMPSAC Standing Committee vice-chair service, before appointment as Standing Committee Chair in July 2025

Conference and workshop leadership

IEEE COMPSAC Standing Committee vice-chair service, before appointment as Standing Committee Chair in July 2025.

IEEE COMPSAC Steering Committee Chair

Conference and workshop leadership
IEEE COMPSAC Steering Committee Chair (2016).

IEEE COMPSAC Workshops Program Chair

Conference and workshop leadership
IEEE COMPSAC Workshops Program Chair (2008-10).

IEEE COMPSAC Program Chair, 2011

Conference and workshop leadership
IEEE COMPSAC Program Chair, 2011.

IEEE International Workshop on Medical Computing (MediComp), General Chair

Conference and workshop leadership
IEEE International Workshop on Medical Computing (MediComp), General Chair (2013-present).

IEEE International Workshop on Security, Trust & Privacy for Software Applications, General Chair (2017-19); Chair 2005-2016)

Conference and workshop leadership
IEEE International Workshop on Security, Trust & Privacy for Software Applications, General Chair (2017-19); Chair 2005-2016).

IEEE COMPSAC 2014, Chair, Fast Abstract

Conference and workshop leadership
IEEE COMPSAC 2014, Chair, Fast Abstract.

IEEE International Workshop on Web and Pervasive Security, PerComm 2009, Program Co-Chair

Conference and workshop leadership
IEEE International Workshop on Web and Pervasive Security, PerComm 2009, Program Co-Chair.

IEEE COMPSAC 2012 - Track Chair, eHealth & Well-being

Conference and workshop leadership
IEEE COMPSAC 2012 - Track Chair, eHealth & Well-being.

ACM Symposium on Applied Computing, Track Co-chair, 2008

Conference and workshop leadership
ACM Symposium on Applied Computing, Track Co-chair, 2008.

IEEE COMPSAC 2008, Track Chair, Security

Conference and workshop leadership
IEEE COMPSAC 2008, Track Chair, Security.

ACM Symposium on Applied Computing 2007, Track Chair, Autonomic Computing, 2007

Conference and workshop leadership
ACM Symposium on Applied Computing 2007, Track Chair, Autonomic Computing, 2007.

IEEE International Conference on Information Technology, Track Chair, 2007

Conference and workshop leadership
IEEE International Conference on Information Technology, Track Chair, 2007.

IEEE International Conference on Information Technology: New Generations, Track Chair, 2006, 2005

Conference and workshop leadership
IEEE International Conference on Information Technology: New Generations, Track Chair, 2006, 2005.

International Workshop on Pervasive Computing Systems & Applications, Workshop Co-Chair, 2006

Conference and workshop leadership
International Workshop on Pervasive Computing Systems & Applications, Workshop Co-Chair, 2006.

IEEE Digital Health, Executive Program Committee

Conference and workshop committees
IEEE Digital Health, Executive Program Committee (2020-to date).

IEEE COMPSAC, Program Committee

Conference and workshop committees
IEEE COMPSAC, Program Committee (2003-to date).

USAB 2011, Information Quality in e-Health, 2011

Conference and workshop committees
USAB 2011, Information Quality in e-Health, 2011.

IEEE Service Oriented Computing Conference, 2010

Conference and workshop committees
IEEE Service Oriented Computing Conference, 2010.

IEEE Services Oriented Computing Conference, 2009

Conference and workshop committees
IEEE Services Oriented Computing Conference, 2009.

IEEE Service Oriented Computing, 2006-07

Conference and workshop committees
IEEE Service Oriented Computing, 2006-07.

IEEE International Conference on Pervasive Services, 2006-07

Conference and workshop committees
IEEE International Conference on Pervasive Services, 2006-07.

9th International Conference on Computer and Information Technology, 2006

Conference and workshop committees
9th International Conference on Computer and Information Technology, 2006.

Computer Society of India 41st National Annual Convention, 2006

Conference and workshop committees

Computer Society of India 41st National Annual Convention, 2006.

International Workshop on Trustworthiness, Reliability and Services in Ubiquitous and Sensor Networks, 2006

Conference and workshop committees

International Workshop on Trustworthiness, Reliability and Services in Ubiquitous and Sensor Networks, 2006.

International Workshop on Wireless and Sensor Networks, 2005-2006

Conference and workshop committees

International Workshop on Wireless and Sensor Networks, 2005-2006.

International Conference on Mobile Ad-hoc and Ubiquitous Sensor Networks (MASN 2005), 2005

Conference and workshop committees

International Conference on Mobile Ad-hoc and Ubiquitous Sensor Networks (MASN 2005), 2005.

International Conference on Embedded Systems and Applications, 2004

Conference and workshop committees

International Conference on Embedded Systems and Applications, 2004.

Future Trends in Distributed Computing Systems, 2004

Conference and workshop committees

Future Trends in Distributed Computing Systems, 2004.

Undergraduate advisors of 11 students, Computer Science department 2024

University service

Undergraduate advisors of 11 students, Computer Science department 2024

College Tenure and Promotion Committee, 2022-2023

University service

College Tenure and Promotion Committee, 2022-2023.

Committee Member, MU Enterprise Seed Fund- Investment Committee

University service

Committee Member, MU Enterprise Seed Fund- Investment Committee. (September 2015 - 2019).

Chairperson, CIO Search Committee

University service

Chairperson, CIO Search Committee. (August 2018 - March 2019).

Committee Member, New Buildings Working Group:

University service

Committee Member, New Buildings Working Group: (August 2011 - May 2016).

Committee Member, Community Engagement Committee

University service

Committee Member, Community Engagement Committee. (May 2011 - May 2015).

Committee Member, Intellectual Property Review Board

University service

Committee Member, Intellectual Property Review Board. (August 2011 - July 2013).

Committee Member, Graduate Open House Day

University service

Committee Member, Graduate Open House Day. (March 2010 - June 2010).

Committee Member, Graduate Open House Day

University service

Committee Member, Graduate Open House Day. (March 2009 - June 2009).

Department Representative, Graduate Open House Day

University service

Department Representative, Graduate Open House Day. (November 2008).

Department Representative, Graduate Open House Day

University service

Department Representative, Graduate Open House Day. (March 2008).

Department Representative, Graduate Open House Day

University service

Department Representative, Graduate Open House Day. (November 2007).

Department Representative, Graduate Open House Day

University service

Department Representative, Graduate Open House Day. (June 2007).

Department Representative, Graduate Open House Day

University service

Department Representative, Graduate Open House Day. (March 2007).

Department Representative, Graduate Open House Day

University service

Department Representative, Graduate Open House Day. (March 2006).

Department Representative, Graduate Open House Day

University service

Department Representative, Graduate Open House Day. (November 2005).

Department Representative, Graduate Open House Day

University service
Department Representative, Graduate Open House Day. (November 2004).

Founded Dr.Live, a telemedicine primary-care service in Bangladesh, with Android and iOS applications described in the CV

Public and community service
Founded Dr.Live, a telemedicine primary-care service in Bangladesh, with Android and iOS applications described in the CV.

Committee Member, PhD Exam committee of Monash University

Public and community service
Committee Member, PhD Exam committee of Monash University. (April 2025).

Research project to address eye health using smart phone, UCC, South Milwaukee, Wisconsin

Public and community service
Research project to address eye health using smart phone, UCC, South Milwaukee, Wisconsin. (January 2014 - Present).

Committee Member, Think Tank for Community Engagement in Research, WI

Public and community service
Committee Member, Think Tank for Community Engagement in Research, WI. (December 2013 - Present)

Research project to help veterans to control their risky behavior, Dryhootch (Veteran organization), Milwaukee, Wisconsin

Public and community service
Research project to help veterans to control their risky behavior, Dryhootch (Veteran organization), Milwaukee, Wisconsin. (January 2013 - Present).

Organizer and host, Mobile Monday

Public and community service
Organizer and host, Mobile Monday. (August 2011 - Present).

PhD Exam Committee, Hongkong Polytechnique University

Public and community service
PhD Exam Committee, Hongkong Polytechnique University. (Feb 2019).

PhD Exam Committee of a student from India

Public and community service
PhD Exam Committee of a student from India. (June 2013).

Committee Member, PhD Exam committee of Monash University

Public and community service
Committee Member, PhD Exam committee of Monash University. (April 2016).

Committee Member, PhD Exam committee of Monash University

Public and community service
Committee Member, PhD Exam committee of Monash University. (April 2013).

Committee Member, PhD Exam committee of Monash University

Public and community service
Committee Member, PhD Exam committee of Monash University. (April 2011).

PARTICIPATION & MEMBERSHIP

Senior member, IEEE Computer Society

Professional affiliation
Senior member, IEEE Computer Society. (May 2013 - Present)

Gamma Beta Phi

Professional affiliation
Gamma Beta Phi. (2000 - Present)

Upsilon Pi Upsilon

Professional affiliation
Upsilon Pi Upsilon. (1999 - Present)

Association of Computing Machinery

Professional affiliation
Association of Computing Machinery. (1998 - Present)

IEEE Computer Society

Professional affiliation
IEEE Computer Society. (1998 - Present)

Internet Society

Professional affiliation
Internet Society. (1998 - Present)

REFERENCES

Available upon request.