

Soumyadeb Chowdhury

MSc PhD MBCS FHEA

Personal Information

Designation Lecturer Information and Communication Technology (ICT)
Course Director Business Computing and Information Technology
Operations and Information Management (OIM) Group, Aston Business School

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Research Interests

- Big Data Analytics and Artificial Intelligence
- Knowledge Mining, Extraction and Visualization
- Blockchain applications for social good and in business
- Mental Health and Well-being and Business Productivity
- Digitalisation and Sustainability Development Goals

Teaching Interests

- Database Systems, Information Management
- Big Data Analytics, Blockchain for Business
- E-commerce, E-Business, Circular Economy
- Software and Web Development, Digital transformation

Education

- Jan 2011 - **PhD Computing Science, School of Computing Science, University of Glasgow**
Jul 2014 Thesis Title: Exploring the memorability of multiple passwords in recognition-based graphical authentication system and its resistance to guessability attacks.
Thematic Area: Usable Security.
- Sep 2009 - **MSc Computing Science with Distinction, School of Computing Science, University of Glasgow**
Sep 2010
- Aug 2005 - **BTech Computer Science and Engineering, First class with Distinction, Amity School of Engineering and Technology, Amity University, India**
Jun 2009

Previous Employment

- Jul 2015 - **Lecturer InfoComm Technology** Singapore Institute of Technology. Contributing to development, delivery and management of new modules for undergraduate students - Human Computer Interaction, Web Security, Security Analytics, and Team Project)
- Mar 2017
- Jun 2016 - **Honorary Lecturer University of Glasgow** Contributing to delivery and management of the modules
- Present Professional Software Development and Team Project (collaboration with industry)
- Jul 2014 - Jul 2015 **Research Associate Urban Big Data Center**, School of Computing Science, University of Glasgow. Contributing to the Integrated Multimedia City Data (iMCD) project in the Urban Big Data Research Center (funded by Economic and Social Research Council)

Grants, Scholarship and Awards

- 2019-20 **Primary Investigator** Block-chain Regulation and Governance in Caribbean Islands
Funder - Global Challenges Research Fund UK Research and Innovation.
STATUS: ON-GOING
- 2019-20 **Primary Investigator** Shaping the UK Productivity Debate: Role of Mental Health
Funder - Productivity Insights Network Economic and Social Research Council.
STATUS: ON-GOING
- 2019-2020 **Co-Investigator**
Industry Academia Partnership Programme
Funder: Royal Academy of Engineering and Newton
STATUS: ON-GOING
Project Name: Circular economy adoption within SMEs in India and the UK
Industry Collaborator: Six Small and Medium-sized Enterprises in India and the UK
Thematic Area: Circular Economy, Technology Adoption, Sustainability, Productivity
- 2018-2019 **Co-Investigator Midlands Innovation Pilot Project**
STATUS: COMPLETED
Project Name: Mental Health and Well-being Challenges for West Midlands SMEs – Sustainability and Productivity
Collaborator: University of Birmingham, Keele University, Loughborough University
Thematic Area: Mental Health, Workplace Well-being, Business Productivity
- 2015-2017 **Primary Investigator Ignition Grant in Singapore Institute of Technology**
STATUS: COMPLETED
Project Name: Open Source Knowledge Management
Industry Collaborator: DSO National Laboratories, Singapore
Thematic Area: Information Retrieval, Semantic Modelling, Knowledge Graph, User Centered Design
- 2013 **Finalist in SET for Britain, House of Commons, UK Parliament**
Competition for early-stage researchers organised by Parliamentary and Scientific Committee UK.

Selected Publications

- Sep 2019 Dey, P K., Malesios., C, De, D., **Chowdhury, S.**, and Abdelaziz, FB. (2019). Lean management practices, sustainable oriented innovation and corporate social responsibility of small and medium sized enterprises **British Journal of Management.**
- Apr 2019 **Chowdhury, S.**, Rodriguez-Espindola, O., Beltagui, A ., and Albores, P., and Dey, P.K. (2019). Cultivating students digital literacy through a design-thinking approach **Higher Education Teaching Book.**
- Mar 2019 **Chowdhury, S.**, Rodriguez-Espindola, O., Uren, V., Albores, P., and Dey, P.K. (2019). Understanding Value of Social Media in Supply Chain Management **26th EUROMA 2019 Conference.**
- Mar 2019 **Chowdhury, S.**, Beltagui, A., Rodriguez-Espindola, O., and Mackenzie, L. (2019). If Blockchain is the Questions, What is the Answer **26th EUROMA 2019 Conference.**
- Dec 2018 Dey, P K., Malesios., C, De, D., **Chowdhury, S.**, and Abdelaziz, FB. (2018). Could Lean Practices and Process Innovation Enhance Supply Chain Sustainability of Small and Medium Sized Enterprises **Business Strategy and the Environment.**
- Jun 2018 De, D., **Chowdhury, S.**, Dey, P.K., and Ghosh, S.K. (2018). Impact of Lean and Sustainability oriented innovation on Sustainability performance of Small and Medium Sized Enterprises: A Data Envelopment Analysis-based Framework **International Journal of Production Economics.**
- Mar 2018 **Chowdhury, S.**, Beltagui, A., Albores, P., and Dey P. (2017). Machine Learning for Making Predictions **25th International EurOMA Conference.**
- Dec 2017 Si Hao, G., **Chowdhury, S.**, Loh, S., and Zou J. (2017). Interact: Web and Android-based Backchannel System to Aggregate Student Feedback **29th Australian Conference on Computer-Human Interaction.**
- Feb 2017 Ferdous, S., **Chowdhury, S.**, and Jose, J. (2017). Analysing Privacy in Lifelogging. **International Journal of Pervasive and Mobile Computing.**
- Aug 2016 Ferdous, S., **Chowdhury, S.**, and Jose, J. (2016). Geo-Tagging News Stories using Contextual Modelling. **International Journal of Information Retrieval Research .**