

# 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)

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## 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.

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## 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 .**