

PROJECT DETAILS

Project Title:

Supply Chain Digitalisation in the Australian Agribusiness

Project Summary:

This research explores the dynamic digitisation of supply chains in the Australian agribusiness sector, focusing on technologies such as blockchain, AI, IoT, robotics, digital twins, drones, and cybersecurity. It aims to assess how these tools enhance efficiency, traceability, transparency, and sustainability from farm to plate. The study also evaluates their influence on global market access, collaboration, and data-driven decision-making. By analysing current practices and emerging trends, the research highlights the transformative impact of digital innovation and the role of government initiatives in accelerating adoption, offering valuable insights for industry stakeholders and policymakers.

Preferred Applicant Skillset:

HDR applicant must have minimum master's degree in supply chain and logistics management; and/or operations management specialisation; or agribusiness supply chain; or industrial engineering. Strong Knowledge of digital technologies (e.g., blockchain, AI, IoT, cloud computing); Skills in data analytics and machine learning; Experience with qualitative and quantitative research methods; Critical thinking and problem-solving abilities; Strong communication and stakeholder engagement skills; Academic writing through high quality journal publications (Q1 or Q2).

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