Plan Overview

A Data Management Plan created using DMPonline

Title: Design and development of prototype weighing system for remotely operated smart unmanned weighbridge machines

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Project abstract:

To design, develop and deploy an automated and adaptable weighing solution system for use with remotely operated weighbridges, across diverse industry sectors. This system will include the integration of load cells, sensors, controllers and peripheral devices to realise customised control flow, data management and AI-based data analytic models.

ID: 211053

Start date: 12-03-2023

End date: 30-09-2028

Last modified: 16-09-2026

Copyright information:

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Design and development of prototype weighing system for remotely operated smart unmanned weighbridge machines

Data Collection

What data will you collect or create?

Questionnaires will be sent out to respondents. The study targets internal and external stakeholders
Questionnaire Structure:
The survey instrument is composed of three sections:

- - Section A: Current issue with existing product
  - Section B: Willingness to try new technology
  - Section C: Perception of new technology

How will the data be collected or created?

Administration:
Data will be collected through an online survey platform (JISC). Participants will be provided with an informed consent form explaining the study's purpose, their rights, and measures taken to ensure confidentiality.

Timeline:
The survey will remain open for a specified period (e.g., 1-3 years) with follow-up reminders sent to maximize the response rate.

Documentation and Metadata

What documentation and metadata will accompany the data?

Information sheet and consent form as part of the questionnaire.

Ethics and Legal Compliance

How will you manage any ethical issues?

Ethical Considerations

- Informed Consent:
  Participants will be fully informed about the research purpose, the voluntary nature of participation, and their right to withdraw at any time.

- Confidentiality:
  All responses will be anonymized and stored securely to ensure participant confidentiality.

Data Usage:
Collected data will be used solely for the purposes of this research and reported in aggregate form only.

How will you manage copyright and Intellectual Property Rights (IPR) issues?

Question not answered.

Storage and Backup

How will the data be stored and backed up during the research?

Data will be tored in a passworded cloud database

How will you manage access and security?

access via password will only granted to both co-investigators of this project. anybody else requiring access will contact us.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

After project , anonymised data will be also be used to develop project report to send to the funder

What is the long-term preservation plan for the dataset?

Available for 3 years post project and deleted afterwards

Data Sharing

How will you share the data?

Final Project report

Are any restrictions on data sharing required?

no restrictions as data is completely anonymised

Responsibilities and Resources

Who will be responsible for data management?

both investigators of this project

What resources will you require to deliver your plan?

time and access to library resources