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(57) Abstract :
ABSTRACT: Title: A System for Sustainable Rice Transplantation using Geospatial Techniques and Method Thereof The present disclosure proposes system (100) and method for sustainable rice transplantation using geospatial techniques and direct seeding techniques to streamline transplanting procedures, thereby reducing water consumption, maintaining water balance, and increasing overall efficiency. The system (100) comprises a computing device (102) having a controller (104) and a memory (106) for storing one or more instructions executable by the controller (104). The controller (104) is configured to execute plurality of modules (107) for performing multiple functions. The plurality of modules (107) comprises a data collection module (108), a processing module (110), a determining module (112), a crop monitoring module (114), and a decision module (116). The proposed system (100) provides real-time decision support via a remote sensing, satellite imagery, a global positioning system (GPS), and a geographic information system (GIS).

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