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Development of a SGW-based Plant Tissue Culture Micropropagation Yield Forecasting Application, Plantisc2

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Plant tissue culture is a collection of techniques used to maintain or grow plant cells, tissues or organs under sterile conditions on a nutrient culture medium of known composition. Plant tissue culture is widely used to produce clones of a plant in a method known as micropropagation. During the UNESCO-HP Brain Gain Initiative (BGI) project (2009-2013), the University of Nigeria team conducted series of plant tissue culture experiments and developed a stand-alone application, Plantisc. A Plant Tissue Culture micro propagation simulation software, which achieved over 67% predication accuracy whose result was published in a peer-reviewed journal.

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Session Classification: Presentation of use cases and their implementation strategies