

Project proposal

RPA assisted post harvest operations in milling of food grains.

Robotic Process Automation in agriculture is an application of technology in agriculture that allows stakeholders in agriculture sector to configure computer software, or a 'robot', to capture and interpret existing applications for processing a transaction, manipulating data, triggering responses and communicating with other digital systems.

Robotic Process Automation is not a physical robot sitting at a desk performing tasks. It is a new alternative to improve agricultural productivity, unlocking higher Return on Investment than indigenous practices implementations which requires more investment in terms of time and labor. It is the first step and necessary foundation in the agricultural digital operation journey, before implementing cognitive, chatbots and artificial intelligence.

Key objectives of implementing Robotic Process Automation in agriculture are as follows

- 1.Improve accuracy
- 2.Manage controls
- 3.Higher efficiency
- 4.Reduction of monotonous work
- 5.Cost saving
- 6.Skill upgradation of personnel

Robotic Process Automation (RPA) is the next phase of innovation in the agricultural world. It's significant potential to become a differentiator has become evident. Most of the notable players are either assessing possibilities to benefit from this new solution or even proceeding with the first implementations.

Once IT and security risks are needed to be satisfied with the architecture, the process can be investigated and can be carried forward for implementation.