

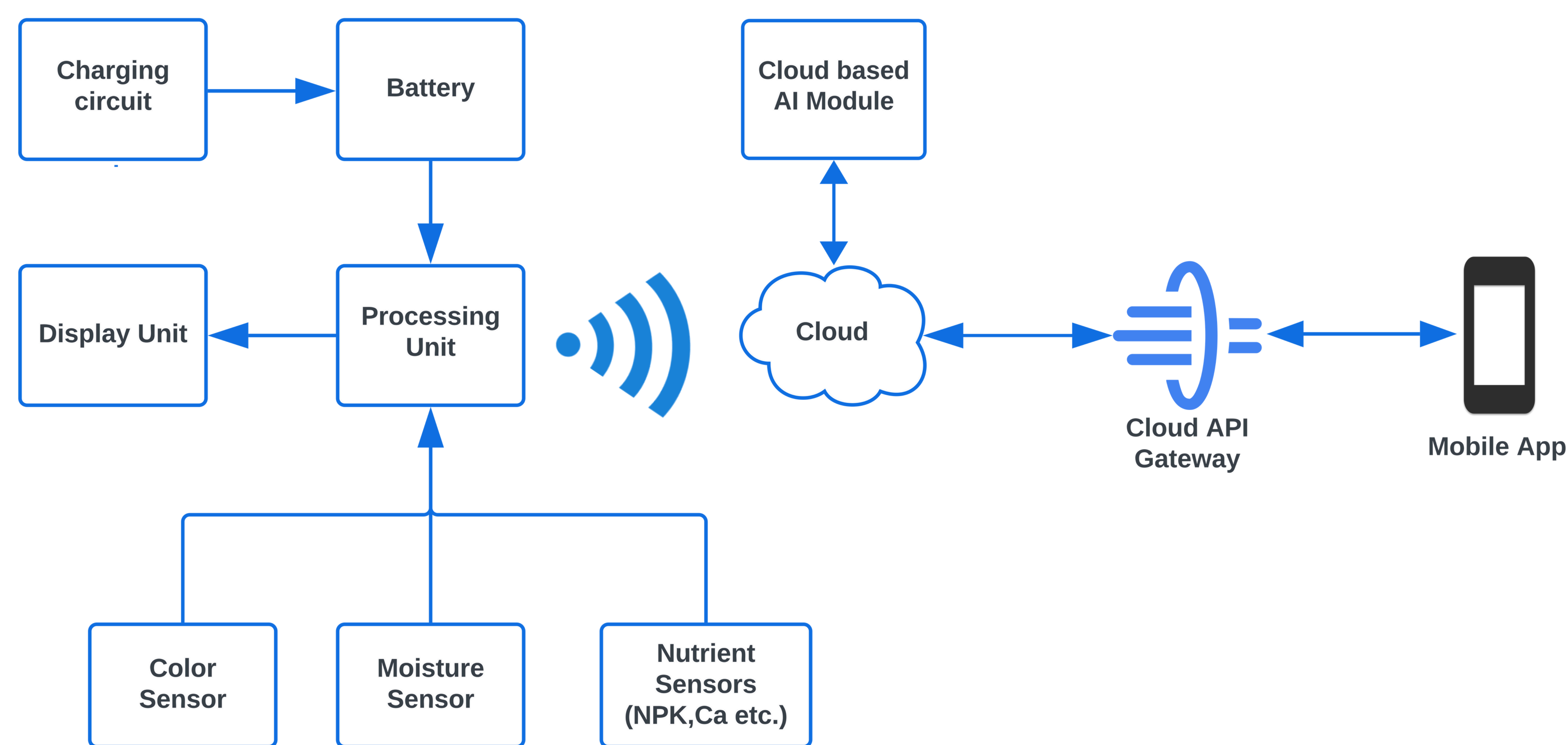


BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING KOLHAPUR

Department of Electronic and Telecommunication Engineering Academic Year 2024-25

SOIL ANALYSER WITH AI BASED CROP AND FERTILISER RECOMMENDATION SYSTEM

Block Diagram



Abstract

Soil Analyser with AI-based Crop and Fertiliser Recommendation System integrates sensors to measure key soil parameters such as NPK, pH, and moisture. It uses AI to provide real-time recommendations for crop selection and fertiliser application. This portable device aims to optimise farming practices, improve yields and promote sustainable agriculture.

Advantages

- Real-time Analysis
- AI Recommendations
- Cost effective and Compact

Applications

- Precision Farming
- Crop and Fertiliser Management
- Soil Health Monitoring

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