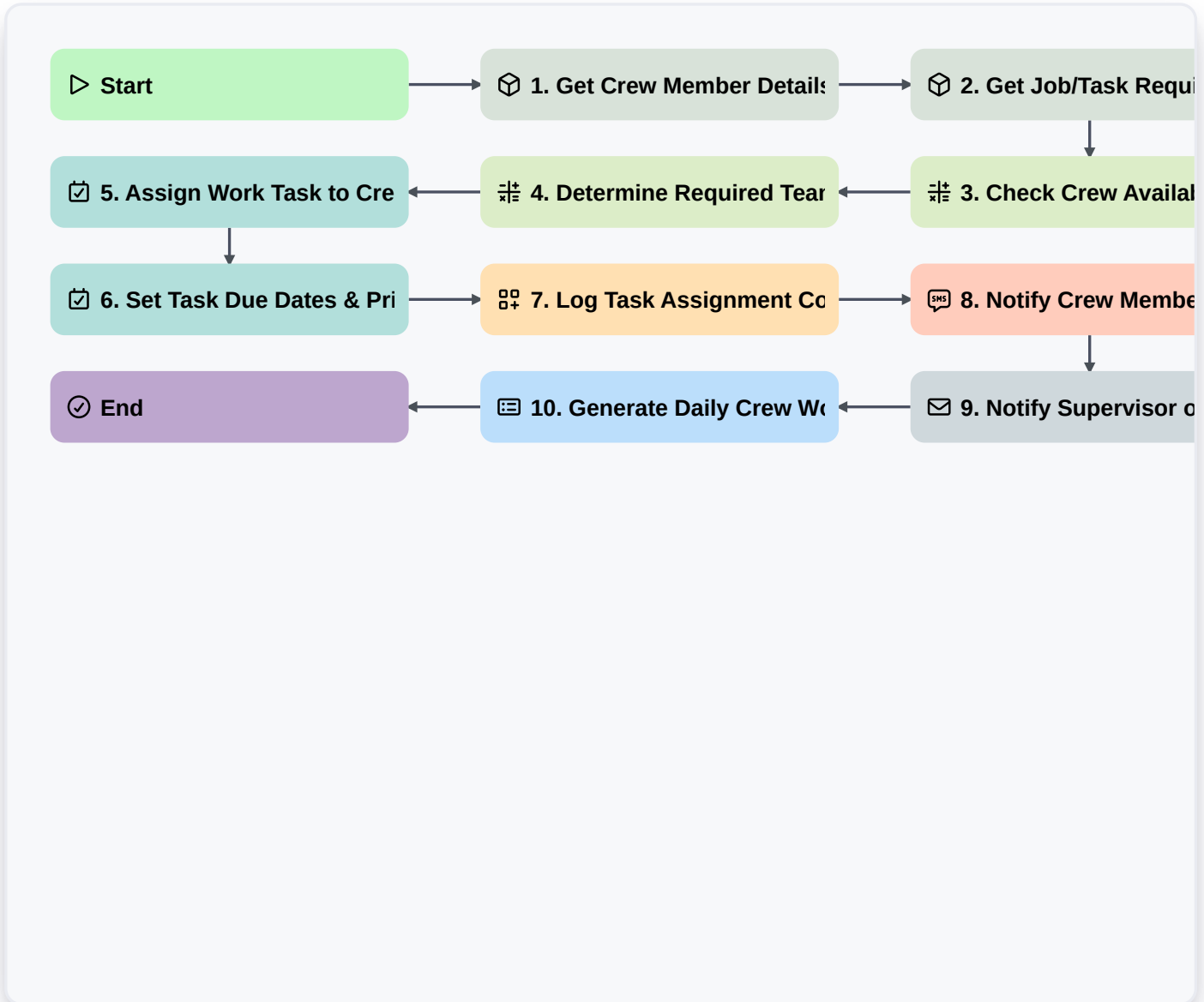


Farm Crew Management Workflow: Efficient Labor Assignment For Agriculture



▷ **Start**

Start of the Workflow/Process.

 **1. Get Crew Member Details**

Retrieves active crew member records (Name, Role, Skills) for assignment validation.

 **2. Get Job/Task Requirements**

Fetches specific job requirements (e.g., location coordinates, required equipment, expected time) from the job board data model.

 **3. Check Crew Availability**

Calculates current availability by comparing scheduled work hours against maximum shift capacity for assigned crew members.

 **4. Determine Required Team Size**

Calculates the minimum number of crew members needed based on the complexity and scope of the assigned agricultural task.

 **5. Assign Work Task to Crew Member**

Creates a new actionable task record, assigning it to a specific crew member identified in the process.

 **6. Set Task Due Dates & Priority**

Establishes start and end dates and priority levels for the newly created task.

 **7. Log Task Assignment Confirmation**

Creates a record confirming the successful assignment of the task to the crew member's profile.

 **8. Notify Crew Member of New Task**

Sends an automated SMS alert to the assigned crew member detailing the new task, location, and deadline.

 **9. Notify Supervisor of Task Completion**

Sends an email notification to the farm supervisor upon the supposed completion of the task for verification.

 **10. Generate Daily Crew Workload Report**

Creates a summary report detailing all assigned, in-progress, and completed tasks for the shift.

 **End**

Start of the Workflow/Process.