

MEASURABLE PLANNING TO
ACHIEVE SUCCESS IN AGILITY

UNIVERSITY MANAGEMENT SYSTEM

Project Kickoff & Facilities
Module Plan

Team: 13





WHAT WE ARE BUILDING



**Goal: Modernize university
operations**

- Scope: Four major modules (Facilities, Curriculum, Staff, Community)
- Approach: **Agile Scrum methodology**
- Current Focus: Facilities Module (1st sprint)

- Content:

- **Facilities Management**

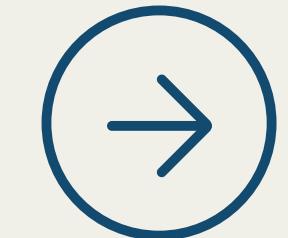
- Schedule & book classrooms/labs
- Track usage & maintenance

- **Administrative Automation**

- Student records management
- Admissions processing

- **Resource Allocation**

- Equipment & license tracking
- Professor department assignments



FROM USER NEEDS
TO SYSTEM
FUNCTIONS



FACILITIES MODULE

FEATURES

Scheduling & Booking

- Schedule classes/events
- Book spaces manually
- Check availability
- Reserve classrooms

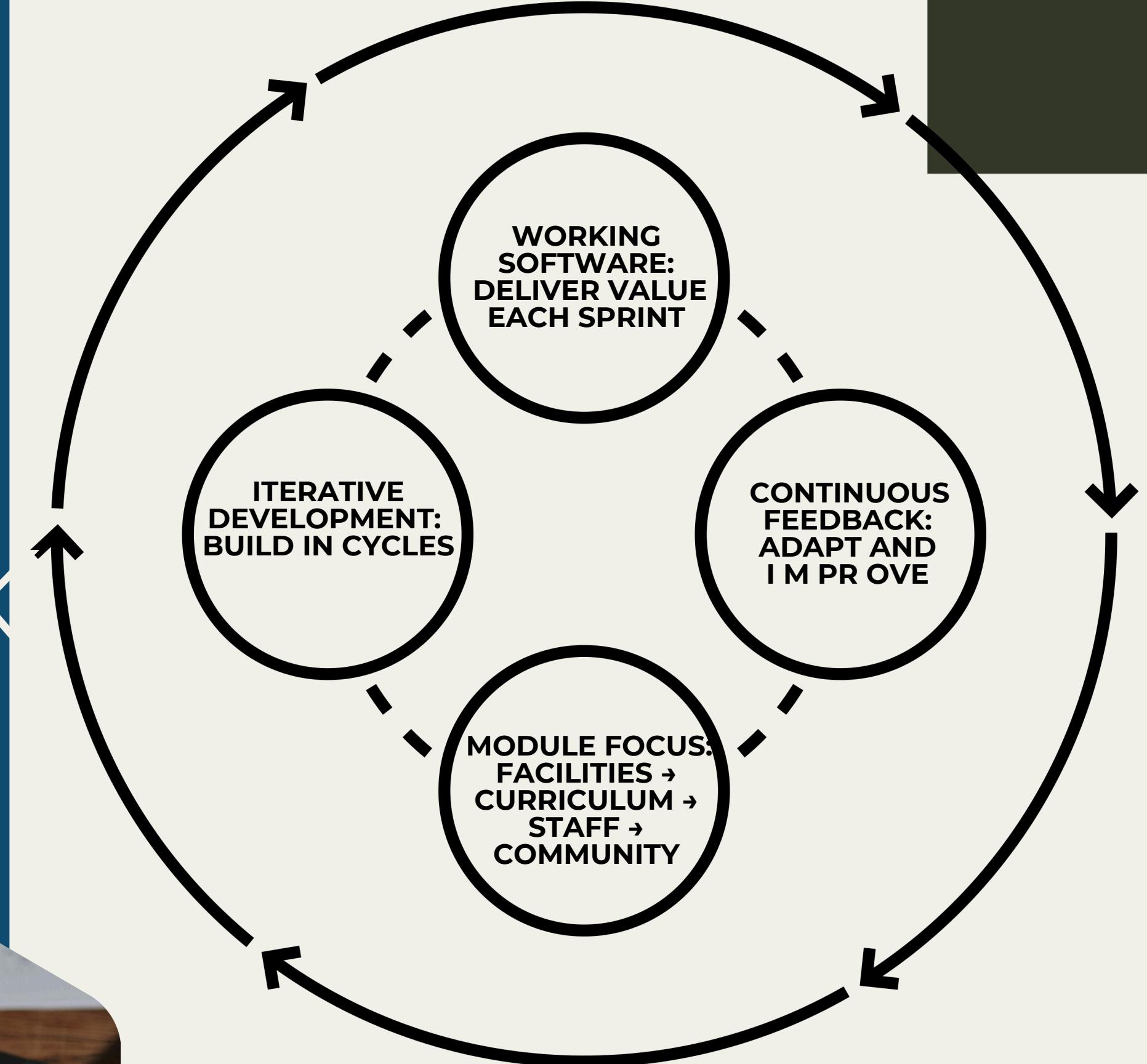
Student Records

- Add/delete students
- Edit student files
- Generate transcripts
- Process admissions

Resource Tracking

- Track equipment
- Allocate resources
- Manage licenses
- Move professors

OUR AGILE SCRUM FRAMEWORK



SPRINT 1: CORE RECORDS & AVAILABILITY

- **GOAL: ESTABLISH FOUNDATIONAL DATA STRUCTURES**



KEY DELIVERABLES:

- **MUST:** DATABASE SCHEMA SETUP
- **SHOULD:** STUDENT RECORD CRUD
- **MUST:** OPERATIONS FACILITY/CLASSROOM
- **COULD:** DEFINITIONS AVAILABILITY
- **SHOULD:** VIEWING SYSTEM PROFESSOR
MUST: DEPARTMENT ASSIGNMENTS

SPRINT 2: SCHEDULING & ALLOCATION

- **GOAL: IMPLEMENT
PRIMARY SCHEDULING &
TRACKING**



KEY DELIVERABLES:

- **MUST:** Class scheduling & booking system
- **MUST:** Basic usage tracking
- **SHOULD:** Equipment allocation system
- **COULD:** License inventory management

SPRINT 3: AUTOMATION & SUPPORT

- **GOAL: DIGITIZE PAPER PROCESSES COMPLETELY**



KEY DELIVERABLES:

- **COULD:** Automated transcript generation
- **MUST:** Admissions workflow system
- **SHOULD:** Maintenance reporting
- **COULD:** UI refinement & error handling

SPRINT 1 (2 WEEKS) **SPRINT 2 (2 WEEKS)** **SPRINT 3 (2 WEEKS)**

FOUNDATION

DATABASE
STUDENT CRUD
AVAILABILITY

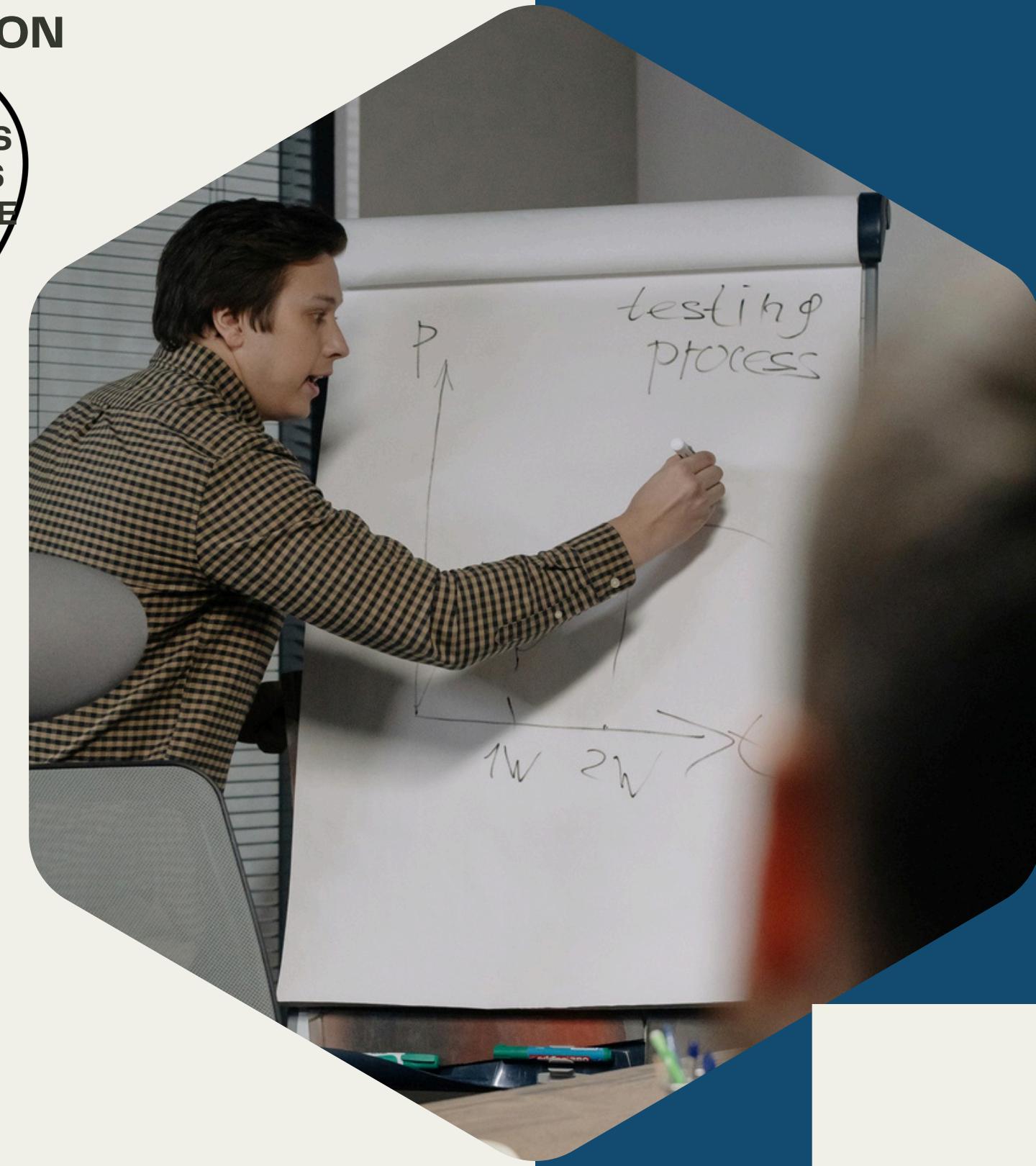
CORE FEATURES

SCHEDULING
ALLOCATION
TRACKING

AUTOMATION

TRANSCRIPTS
ADMISSIONS
MAINTENANCE

PROJECT ROADMAP: FACILITIES MODULE



PROJECT BENEFIT S & IMPACT

- **ELIMINATE PAPER PROCESSES: FULLY DIGITAL OPERATIONS**
- **IMPROVED EFFICIENCY: FASTER SCHEDULING & ALLOCATION**
- **BETTER RESOURCE USAGE: OPTIMIZED SPACE & EQUIPMENT**
- **MODERN EXPERIENCE: STREAMLINED FOR STAFF & STUDENTS**



<https://github.com/nmarkmagnusson200-star/AgileProject.git>

- **Finalize Facilities Module requirements**
- **Begin Sprint 1 development**
- **Plan Curriculum Module (Phase 2)**
- **Regular progress reviews**

WHAT'S NEXT?

