Objectives

- Demonstrate water conserving & efficient landscapes
- Demonstrate irrigation technology
- Experiential-based student learning...facilitates student career discovery in horticultural industry
- Connect industry professionals with academic researchers & students
- Conduct science-based research
- Leverage cutting-edge technology (robotics, UAV’s, imaging, etc.)
- Provide policy makers with landscape water conservation & water efficiency information
1. SmartScape I
2. SmartScape II
3. SmartScape III
4. SmartScape IV
5. SmartLawn I
6. SmartLawn II
7. Pollinator Study Garden
8. Monarch Butterfly Study Garden
9. Hedgerow Study
10. CA Native Plant Study
11. Innovative Technology Study
12. SmartShed
Current Progress

• *SmartScape I*: 98% complete
• *SmartLawn I*: 6 plots planted (cool season)
• *SmartShed* (controller shed): installation complete
• Pollinator Study Garden: 75% complete
• Butterfly Study Garden: 85% complete
• Green Roof: 40% complete
• Hedgerow Study Area: 70% complete
The Process...our students
Planning...our student leaders planning and educating their interns
Students learning thru industry, faculty & staff mentoring
SmartLandscape @ UC Davis

Experiential student “hands-on” learning
The Results

SmartScape I

Pollinator Study Garden

SmartLawn

Monarch Butterfly Study Garden
The Outreach... CA Irrigation Institute Poster Presentation
The Student Feedback...

What aspects of the program did you enjoy the most?

• “I enjoyed how the hands on the program was. We were able to get our hands on very single step of the building the Eco-Mat.”

• “I was able to work with others and roll out sod.”

• “Hands-on installation experience.”

• “I enjoyed setting up the Eco-Mat. It is a new irrigation technology that I had never worked with.”

• “I enjoyed the learning experiences and the resources made available to us. I felt that I learned a lot, especially since I came in knowing very little about irrigation. There are numerous resources and opportunities that are made available to us either through various industry companies, which will be really helpful for future opportunities.”
Our External Partners...Philanthropic Support

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SmartScape I

SmartShed

SmartLawn I