SEM Tool SCFF Project

From proposal to implementation

The district was looking for tools to assist with the following:

- Ability to communicate with other systems (Banner/DegreeWorks/Program Mapper)
- Ability to answer the following questions during the scheduling process
  - What courses should to be offered?
  - How many sections need to be offered?
  - How/when should those sections be taught?
- Customized reports
- Scenario modeling
- Heat maps
- Workflow/collaboration capabilities

Course Scheduling (Predictive Analytics)

- **Align**–Course Scheduling Solution that relies heavily on historical trends

- **Predict**–Align solution with student and program pathway data

- **Monitor**–Registration snapshots to fine-tune schedule

- **Report** -Customized reports related to course offerings and classroom capacity

Align

The solution that infuses data and collaboration tools into course scheduling so your students can get the courses they need.

Features:
- Filter courses that are relevant to individual users or departments
- Review change recommendations and supporting data
- Collaborate with stakeholders on requested changes
- Confirm schedule updates

Predict

Predict layers in credential pathways, or course sequences, and ties them in with student academic history to give even more data points to drive course demand.

Features:

•All of the core functionality of Align

•Ability to dive into a student's academic history and pinpoint potential course scheduling bottlenecks

•The ability to see how your pathway development ties directly into the student course demand

Monitor

This solution allows for fine-tuning the course schedule based on registration trends. The tool can be used to add and remove sections leading up to the start of a term.

Features:

- Live registration monitoring withvisualizations

- Early alert for course cancellation and waitlist candidates

- Communication and collaboration within the application

- Email nudges as needed, in appcommunication

Suggested Resources From Your Team

Project Lead and Adoption Champion

Knowledgeable on team processes and workflow and is responsible for enabling change management.

Technical Expert

Knowledgeable on data sources and structure, can link systems, and can query and extract data across different sources.

Power Users (Core Team)

Grouping of subject matter expertise pertaining to scheduling practices and is responsible for using the solutions while enabling change management.

── Onboarding Team

── Ongoing Team*

*Also involved during onboarding

Executive Sponsor

Sets the strategic vision, success criteria, and evaluates achievement against criteria.

May also act as Project Lead and Adoption Champion.

End User(s)

Responsible for the collaborative use of the Solution applications and content.

Onboarding & Configuration Timeline

Week 0 Initiation	Weeks 1-2 Planning	Weeks 3-23 Executing		Weeks 24-25 Monitoring & Controlling	Week 26 Closing
Receive onboarding materials Receipt of onboarding materials and access to the Project Headquarters	**Project kick off** Confirm timing and methodology **Review of project documentation** Baseline schedule and prepare to build	**Solution installs and infrastructure configuration** Establish ETL process/cadence	**Provide and review configured deliverables MAP** • Initial Filters • Exclusions • Core Team Users • Analysis Term Settings • Strategic Scheduling CheckUp • Best Practices Workshop **Train the trainers and review supporting collateral** Focused training to application leads	**Perform final data and configuration integrity** Progress check and review issues	**Conduct user acceptance testing** Define format and testing methods and account for standard operating procedure creation

Go-live continuation columns:

- **Perform final data and configuration integrity** — Progress check and review issues
- **Conduct user acceptance testing** — Define format and testing methods and account for standard operating procedure creation
- **Go-live** — Application in production state
- **Ongoing support and project sign-off** — Discuss support and consulting channels and close project

Technical Considerations

Connection Method

- In Progress
  - Streamsets
  - Data Collector