Maricopa Community Colleges Innovation of the Year Application

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College	Project title		
GCC	I2SAT – Integrated Instructional Space Assessment Task Force		

Team members – List the team members involved in this project, including yourself. Provide name, job title, email for each. One person per line.

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A team photograph including all members must accompany this application. Photograph must be 5"x7" and 300dpi or larger. Create a caption for this photograph Identifying team members (using full names) in order of appearance from left to right.

Maricopa Community Colleges Innovation of the Year Application

Caption: Mike Williams, Gary Marrer, Dr. Philip Fernandez PhD, Scott Kozakiewicz, Chuck Jeffrey, Daniel Jewell, Theresa Hilding (seated)
Executive summary (50 words or less)
I2SAT is the first systematically integrated approach that provides both an instructional facility condition audit and an automated methodology for ongoing maintenance of GCC's instructional areas. Participation of all employee groups ensures that priorities are established to effectively and efficiently maintain instructional areas in order to provide quality instruction at GCC.

Innovations should include information that addresses all of the criterion below and is in alignment with the [Maricopa Vision, Mission, and Value Statements](#).

Quality: It is evident that the innovation increases "quality" in the course, program, office, or institution.
Ensures that a campus-wide audit of learning spaces is performed and provides an ongoing measurement via a dashboard to measure and report on the quality of those learning enviroments. This project has streamlined learning space maintenance processes, provided for inviting learning environments, and increased our ability to be good stewards of our taxpayer dollars by reducing duplicate efforts and providing necessary data. Although it could be easy to dismiss, the quality of student learning space has been shown to directly impact student success (Uline & Moran, 2008)[1]. Though difficult to quantify, the I2SAT project, by increasing the quality of student learning environments, has likely had great positive and direct impacts on student learning and success.
Efficiency: There is evidence that the innovation contributes to a more efficient way of doing things.
An automated dashboard not only reports results, but also eliminates much of the manual tabulation and report preparation required for this system to report timely metrics. The system quickly and comprehensively provided the mechanism to assess the needs of over 235 instructional spaces (i.e. ca. 250,000 square feet of classrooms and labs) across 2 campuses in less than 3 months.
Cost effectiveness: There is evidence that the innovation adds a value to the institution while at the same time containing or reducing costs.
This system helps to set priorities which guides the appropriate and conscientious spending of limited college resources. In the long run, this system will enable GCC to more efficiently use the limited dollars available for instructional space upkeep and maintenance. The computerized portion utilizes industry-standard software (Oracle Database and Oracle APEX) in place at GCC and did not require any additional technology expenditures. Please reference the example screenshots of the user interface at the end of this application.
Replication: The innovation selected can be replicated in other institutions with a minimum of difficulty.
There is little question that this system could be easily replicated across the District at any or all of the colleges. The system is a set of processes designed by the team combined with a computerized database system to facilitate data collection, issue management and resolution, and report generation. Please reference the example screenshots of the user interface at the end of this application in Appendix A.
Creativity: The innovation should be as original as possible or the adaptation should be creative.

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[1] Uline, C., & Moran, M. T. (2008). The walls speak: the interplay of quality facilities, school climate, and student achievement. *Journal of Educational Administration*, 55-73.

Maricopa Community Colleges Innovation of the Year Application

The innovation assembled various stakeholders and generated a new set of processes to rapidly assess and report on the state of instructional spaces across two campuses by utilizing existing owned resources. The use of existing resources to create something new is very creative. The system uses a secure online interface which provides a dashboard, metrics on the condition of individual rooms and buildings, and forms to allow staff to collaboratively manage active issues and generate reports. As issues are closed or voided out, the dashboard, reports and building/room metrics are updated real-time without any involvement by IT. This innovation is a unique combination of advanced technology, innovative processes, and a lot of common sense. Please reference the example screenshots of the user interface at the end of this application in Appendix A.

Timeliness: The innovation should not be more than five years old in the institution, but it must have been around long enough to be tested so that it meets most of the criteria.

The I2SAT Team was assembled in Spring 2015 and continues to be in operation since that time. Glendale continues to utilize this system and is actively looking at ways to integrate the system with other data sources to provide additional operational synergies and cost savings.

Learning: The results of the innovation have been shared with others for the benefit of students throughout Maricopa.

This project and the results of the project have been presented at GCC's Convocation events to share the enormous success that the team has had and the incredible benefits that this project has had for our students to learn in clean, well-maintained learning spaces. Additionally, two team members (Theresa Hilding and Daniel Jewell) were presented with a *Gaucho Globe Award for Innovation* in Spring 2016 for developing or enhancing a product or process. There is little question that this can be replicated to other colleges as this has already been implemented at both of GCC's Campuses: GCC Main and GCC North. Additional sharing is forthcoming.
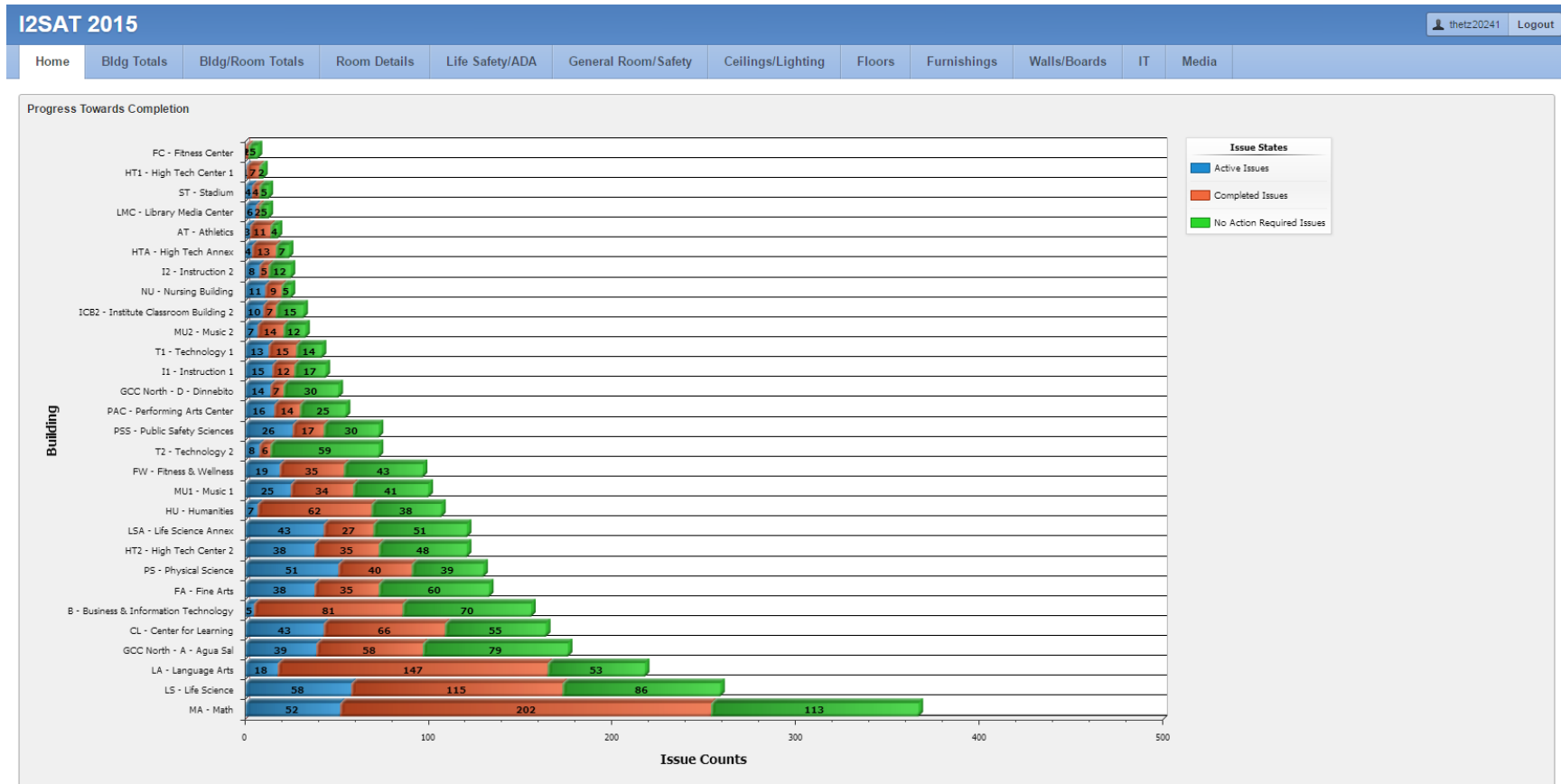
Collaboration: The innovation successfully demonstrates collaboration, teamwork, and cooperation to ensure continuous process improvement efforts on behalf of students throughout Maricopa.

Members of all employee groups, Faculty, Administration, Staff, IT, Maintenance & Operations, Furnishings, Carpentry, Electrical, Paint, etc.,and staff across two GCC campuses participated in this project initally over the Spring and Summer and it is now used across the college by a number of employee groups. Without the tireless efforts by all, this project never would have succeeded. The participation of such a diverse group of employees demonstrates not only a great dedication to teamwork and cooperation, but also demonstrates a high level of buy-in: that the system itself is well-designed and accessible enough to be utilized and accepted by all.

Maricopa Community Colleges Innovation of the Year Application

Appendix A: GCC I2SAT User Interface Screenshots

2015 Innovation of the Year Application

The Home Page displays a clickable graph which displays, by building, the count of all active, completed and voided issues. Clicking on a bar in the graph will take you to a summary page for that particular building.

Maricopa Community Colleges Innovation of the Year Application

thetz20241 Logout

Home | Bldg Totals | Bldg/Room Totals | **Room Details** | Life Safety/ADA | General Room/Safety | Ceilings/Lighting | Floors | Furnishings | Walls/Boards | IT | Media

🔍

View all Rooms in a particular Building

LA - Language Arts ▼

View all rooms in LA - Language Arts   View all Rooms in all Buildings

Location Details and Original/Remaining Issue counts

Building :	**LA - Language Arts**
Record ID :	**145**
Room :	**103**
Life Safety and ADA issues :	**0/0**
General Room / Safety issues :	**3/0**
Ceilings and Lighting issues :	**2/0**
Floors and Cove Base issues :	**0/0**
Furnishings issues :	**2/0**
Media issues :	**1/0**
Computer Systems/IT issues :	**2/0**
Walls and Boards issues :	**3/0**
Total Original Issues :	**13**
Remaining Active Issues :	**0**

◀ Previous   row(s) 4 - 4 of 13   Next ▶

General Room / Safety issues

Internal Doors : ~~paint door~~ (completed)
Bills of Rights/Constitution (left front) : ~~on bulletin board~~ (no action required)
Other : ~~repair closure (?)~~ (completed)

Ceiling and Lighting issues

Stained Tiles : ~~8 tiles and air returns dirty~~ (completed)
Broken/Missing Tiles : ~~1 bowed tile~~ (completed)

Furnishings issues

Seat Materials - Tears/Discoloration : ~~need cleaning~~ (completed)
ADA Workstation not Present : ~~---~~ (no action required)

Media issues

Media Remote Controls not Present : ~~no remote~~ (completed)

Computer Systems/IT issues

Keyboards and/or Mice Dirty : ~~---~~ (completed)
Printer Missing : ~~no printer~~ (completed)

Walls and Boards issues

Holes or Gouging in Walls : ~~chairs gouging walls.~~ (completed)
Nail Holes : ~~holes need patch and paint.~~ (completed)
Other : <s>need chair rails.</s> (completed)

Set Screen Reader Mode On

release 1.0

The Room Details screen provides an easy to read report on the details of all issues discovered in a particular room and the current state of each issue. All rooms in a particular building or all rooms on campus can be easily viewed by navigating using your keyboard arrow keys.

Maricopa Community Colleges Innovation of the Year Application

| Home | Bldg Totals | Bldg/Room Totals | Room Details | Life Safety/ADA | General Room/Safety | Ceilings/Lighting | Floors | Furnishings | Walls/Boards | IT | Media |

🔍 Choose a Building: [PS - Physical Science ▼] [View all rooms in PS - Physical Science] [Show all Buildings]

Active Issue Totals by Building and Room

row(s) 1 - 15 of 15

Building	Room	Total Room Issues ▲	Life Safety & ADA	General Room / Safety	Ceilings & Lighting	Floors & Cove Base	Furnishings	Media	Computer Systems/IT	Walls & Boards
PS - Physical Science	148	10	0	3	1	0	5	0	0	1
PS - Physical Science	169	5	0	0	0	0	4	0	0	1
PS - Physical Science	173	4	1	0	0	0	3	0	0	0
PS - Physical Science	155	4	1	0	0	0	3	0	0	0
PS - Physical Science	168	4	1	0	0	0	3	0	0	0
PS - Physical Science	170	3	1	0	0	0	2	0	0	0
PS - Physical Science	176	3	0	0	0	1	2	0	0	0
PS - Physical Science	156	3	0	1	0	0	0	0	0	2
PS - Physical Science	150	3	0	0	1	0	2	0	0	0
PS - Physical Science	149	3	0	2	0	0	1	0	0	0
PS - Physical Science	175	2	1	1	0	0	0	0	0	0
PS - Physical Science	174	2	0	0	0	0	2	0	0	0
PS - Physical Science	154	2	0	1	0	0	1	0	0	0
PS - Physical Science	167	2	0	0	0	2	0	0	0	0
PS - Physical Science	153	1	0	0	0	0	1	0	0	0
report total:		**51**	**5**	**8**	**2**	**3**	**29**	**0**	**0**	**4**

row(s) 1 - 15 of 15

Download Report to Excel

Set Screen Reader Mode On

release 1.0

The Bldg/Room Totals report display the count of all active issues by room for a particular building or all buildings. The report is sortable and clicking on a room number will take the user to the Room Details report page for that particular room.

v1.0|Saved: 3/11/2016 2:36 PM

Maricopa Community Colleges Innovation of the Year Application

There are 8 screens that are used by technicians to view, update and closeout issues by category – Life Safety/ADA, General Room/Safety, Ceilings/Lighting, Floors, Furnishings, Walls/Boards, IT and Media. While all employees can view all of the details on these screens, only assigned staff can update or closeout issues.