Technical Integration for California Community Colleges

A Collaborative Initiative Across SDCCD | LACCD | RCCD

Peter Maharaj & Carmen Lidz 6NRP, January 2025.



How did this all start?





Numbers at a Glance

- LACCD
 - 225,000 student
 - 13,000 employees
- SDCCD
 - 100,000 students
 - 6,000 employees
- RCCD
 - 60,000
 - 3,500 employees

What Are We Solving?

- Preparing Students for Emerging Careers
- Al-enhanced Learning Experiences
- Integration into the NRP































Access and Equity

- Challenges Addressed
 - Bridging the digital divide
 - Working towards diverse participation
- Solutions Implemented
 - Resources
 - Faculty development



























DISCOVER AI Initiatives @SDCCD

Welcome to the SDCCD DISCOVER AI Initiative

At the San Diego Community College District, we are excited to launch the Data, Infrastructure, Science, Computing, Opportunities, Virtual, Exploration and Research (DISCOVER) Artificial Intelligence Initiative, a collaborative initiative spearheaded by the ITS Division in partnership with UC San Diego, San Diego State University, CENIC, LA Community College District, SD County of Education, California Community College Chancellor's Office, our esteemed faculty, and dedicated students. Our goal is to harness the transformative power of artificial intelligence to enhance educational outcomes and foster innovative research across our campuses.



SDCCD DISCOVER

Building Knowledge Types

A^N Immersive reader

Declarative (What)
Procedural (How)
Conceptual (Why)
Metacognitive (thinking about thinking)

■ Information Technology Services Home People Soft ∨ Projects

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Site contents ... Ed

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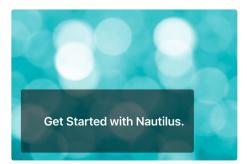


Promote



Documents

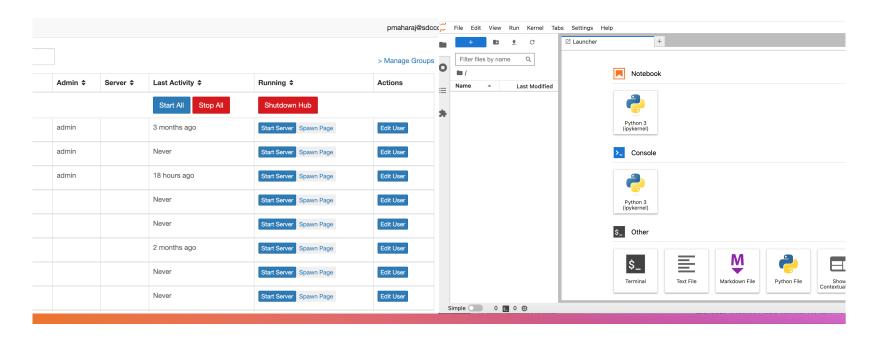
ITS Calendar



Accelerate scientific discovery with the National Research Platform, a cutting-edge network that connects researchers nationwide, fostering collaboration and driving innovation through high-speed data exchange and advanced computing resources.

Unleash the power of collaborative computing with Jupyter Hub, your gateway to innovation in data science and education, enabling seamless collaboration and resource management across diverse environments.

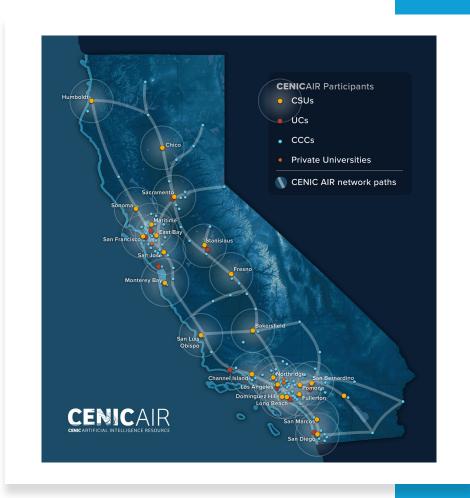
Explore the depths of data with Nautilus, the robust data management platform designed to streamline your workflows, enhance security, and unlock actionable insights in real-time.

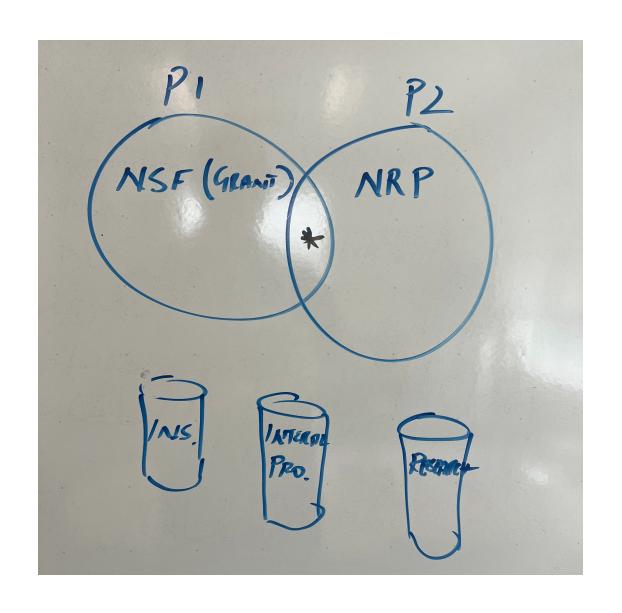


Administration Security, Access, and Workflow (ERP to Juypter Hub)

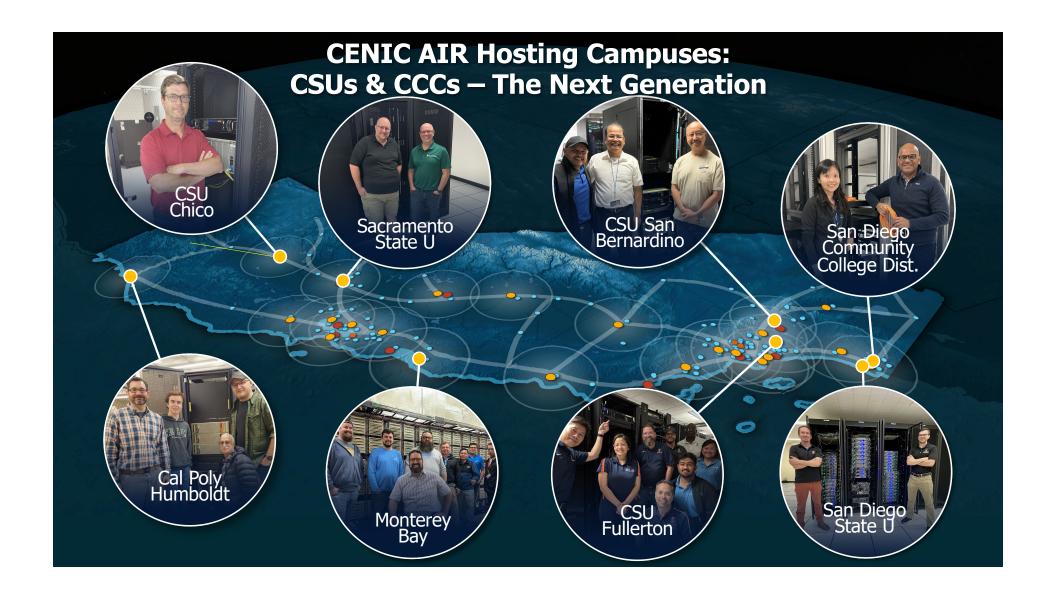


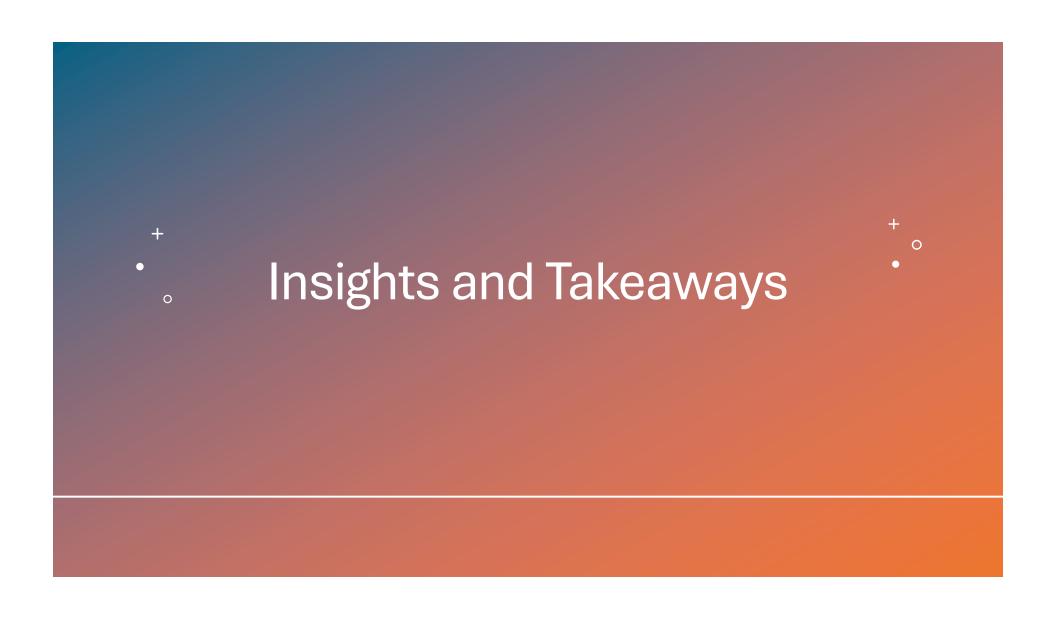
California's Research & Education Campuses Are Regionally Organized



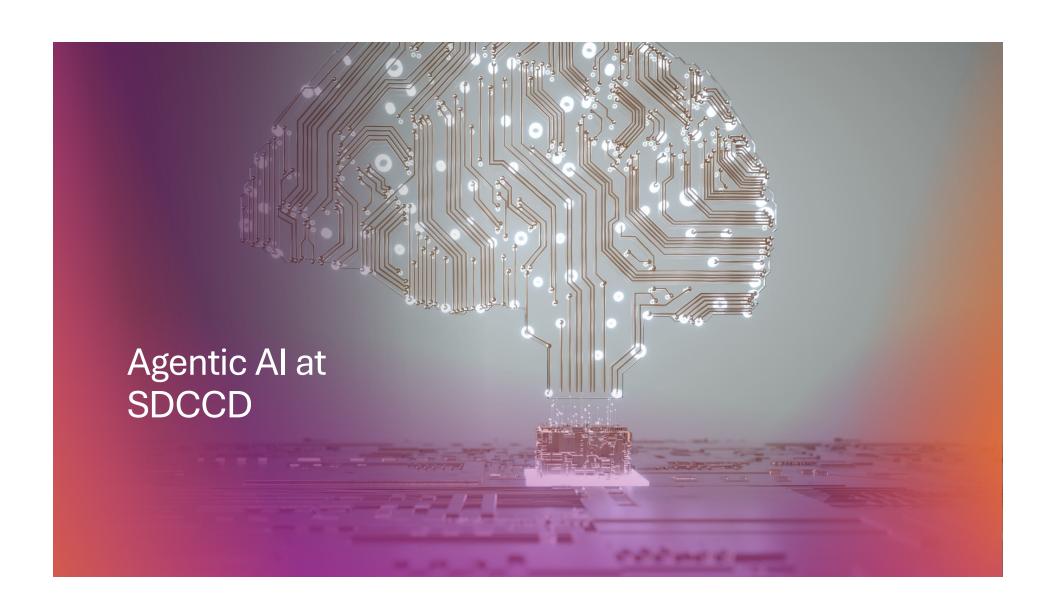


Driven Idea









```
[ Indica o - Illac ]
Given:
    • (Q = 500) J
    • (T = 400) K
Substitute the values into the formula:
[\Delta S = \frac{500}{\text{text}}400, \text}]
[\Delta S = 1.25, \Delta S = 1.25]
So, the entropy change for the system is (1.25, \text{J/K}).
```

Could you exp

SDCCD Ai Tutor Al generated 11:20 AM



To calculate the entropy change for a system that absorbs heat at a constant temperature, follow these steps:

- 1. Identify the amount of heat absorbed by the system, denoted as (Q).
 - In this case, (Q = 500) J.
- 2. Determine the constant temperature at which the heat is absorbed, denoted as (T).
 - In this case, (T = 400) K.
- 3. Use the formula for entropy change: [\Delta S = \frac]
- 4. Substitute the values of (Q) and (T) into the formula to calculate the entropy change.
 - Substitute (Q = 500) J and (T = 400) K into the formula: [\Delta S = \frac{500 , \text}{400 , \text}]
- 5. Perform the division to find the entropy change: [\Delta S = 1.25, \text{J/K}]

So, the entropy change for the system is (1.25, \text{J/K}).

SDCCD AI-Tutor

Monday 4:35 PM

how can I get reimbursed for travel expenses?

SDCCD ITS AI Agent Al generated Monday 4:35 PM



To get reimbursed for travel expenses, ensure that the travel is approved and identified in the current year Perkins plan. Allowable travel expenses include instructor travel, meals, lodging, and transportation costs associated with excursions or extended learning opportunities tied directly to CTE coursework. Proper documentation and adherence to basic cost principles are required.

Today

11:23 AM

What are the enrollment numbers for the spring term for the Fire Science program at Miramar College. Show the results in tabular format.

Last read

SDCCD ITS AI Agent Al generated 11:23 AM



The enrollment numbers for the Fire Science program at Miramar College for the Spring term are as follows:

Course	Enrollment
FIPT 343 Command Operations	20 students
FIPT 344 Wildland Operations	32 students
FIPT 345 Instructor I (Justin Matsushita)	30 students
FIPT 345 Instructor I (Jonathan Strickland)	16 students
FIPT 350 Chief Fire Officer 3	23 students
FIPT 352B Fire Inspector 2B	0 students
FIPT 352C Fire Inspector 2C	0 students
FIPT 353A Plan Examiner 1A	0 students
FIPT 353B Plan Examiner 1B	0 students

Improvements to Staff and Faculty

Creating Opportunities

- Workforce Ready.
- Informed students, faculty, and administrators on the platform(s).
- Continuous growth within the CCC system, 116 colleges for 2M students – Funding (CC*, NAIRR, CCCCO).































What Starts Here Changes California.

What Starts Here Changes the World.

