# Innovation with Artificial Intelligence

MISSION-DRIVEN & STUDENT-CENTERED

Advancing success through principled innovation

Aligned with SIP and TMP goals and priorities

# AI as a Mirror and an Amplifier

## How we use AI Reflects and Amplifies

AI doesn't just change how we work, it can magnify our values, our priorities, and how we serve students and one another

- Everyone influences our culture

- AI is not neutral – it amplifies clarity and care or distance and bias

- Intentional use strengthens service

- Mission matters more than capability

# Issues & Challenges



## Key Issues We are Navigating

Adopting AI thoughtfully requires addressing institutional readiness, alignment, and trust, not just technology

- ✓ Pace of Change & Sensemaking

- ✓ Data Readiness & Infrastructure

- ✓ Guardrails for Responsible and Sustainable Innovation

# AQL Labs Partnership

## Building our AI Strategy

AQL Labs is supporting college leadership in defining a **clear, intentional approach to AI** at Merced College.

- ✓ Co-developing a **shared AI mission and vision**

- ✓ Identifying **priority use cases**

- ✓ Establishing **goals and guardrails** for responsible AI use

- ✓ Learning alongside **peer colleges** to inform next steps

AQL LABS

Innovating in **Education** to **Transform** Lives

# AI Foundations Course for Faculty & Staff

## AI with Purpose

A human-centered learning experience designed to ensure responsible and meaningful AI adoption.

- ✅ **Human-Centered Learning:** Keeping people at the heart of technology.
- ✅ **Responsible Usage:** Guidelines for ethical implementation.
- ✅ **Meaningful Integration:** Practical applications for the classroom.

# Powerful AI Tools Available Now

## Partnerships enables AI Access to Faculty, Staff, and Students

### Google Gemini & NotebookLM
Gen AI for brainstorming and content creation and doc research assistant.

### Nectir AI
Integrated AI Assistant tools tailored specifically for educational contexts.

*Coming soon!*

### Boodlebox
AI platform with diverse AI tools with features for group collaboration

# Strengthening District AI Support

## Innovation with Artificial Intelligence Hub

Centralized web resources to streamline support and innovation for thoughtful AI Use

- ✅ **AI Considerations:** Easy access to guides.

- ✅ **Live Consultations:** Instructional Design Faculty.

- ✅ **EdTech Pilots:** Testing with Ed Tech Specialists

- ✅ **Teams Channel:** AI Conversations



Thoughtful Artificial Intelligence (AI) Use

2. Review the Guiding Principles (HUMANS-Aligned) for AI Use

3. FERPA and Exploring Google Gemni and NotebookLM
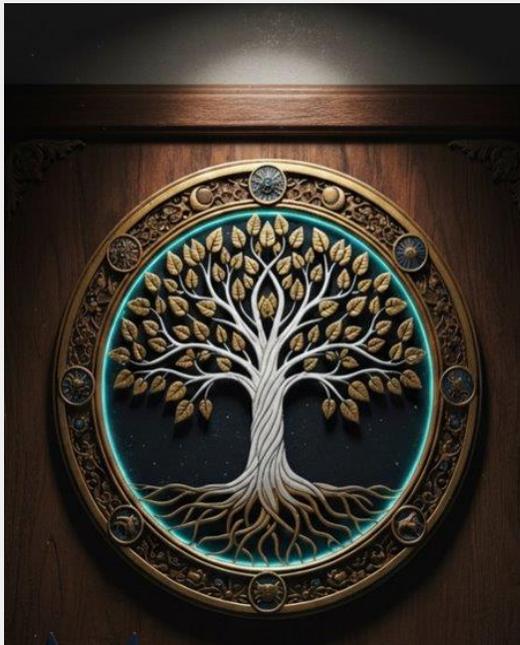
4. Understanding Three Levels of AI

5. Evaluating & Exploring AI Tools - ASCCC

6. Teaching & Learning with AI - A Few Suggestions

7. Syllabus and Assessment AI Statements

8. Need Additional Consultation for AI Use?

# The AI Taskforce



## Governance, Supports, & Guardrails

Ensuring our journey is secure, ethical, and mission-aligned.

- ✓ **Secure & Ethical Use:** Protecting data and privacy.

- ✓ **Mission Alignment:** Tech that serves our goals.

- ✓ **Coordinated Leadership:** Cross-campus decision making.

- ✓ **Overall Projects:** Related to AI Policy, Innovation Challenge, AI Webpage, AI Course, AI Tools, AI Champions.

# AI Champions Across Every Department

## A Distributed Support Network

We are not doing this alone. Champions are embedded in every division to learn AI and collaborate with their peers.

- ✔ **Scaling Adoption:** Localized support accelerates growth.

- ✔ **Department Guidance:** Tailored advice for specific disciplines.

- ✔ **Collaborative Leadership:** A unified approach to thoughtful, human-centered change.
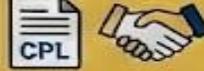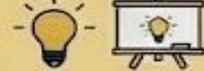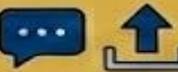
# AI Innovation Challenge

## Empowering Ideas
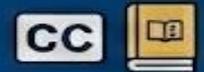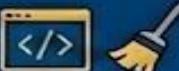
All faculty, staff, and administrators invited to **propose their own AI-driven solutions**.

- **Campus-wide Call:** Open to all employees.

- **Solve Problems:** Improve quality and efficiency

- **Improving Processes:** Efficiency in operations.

- **Student Experience:** Enhancing learning outcomes.



AI Innovation Challenge Proposal Form

# AI Use Cases

# Faculty AI Use Cases

**Graphics Development**   Developing course-relevant, high-quality graphics.

**Welcome Letters**   Creating personalized welcome letters for students.

**Assignments & Rubrics**   Generating detailed course assignments complete with rubrics.

**Educational Puzzles**   Drawing puzzles from Word documents, PDFs, and PowerPoint files.

**Rapid Content Generation**   Using Chat or Co-Pilot to generate in minutes or seconds what used to take hours.

**Course Materials**   Drafting and refining various course materials.

**Curriculum Alignment**   Aligning curriculum with industry standards and California requirements.

**Study Guides**   Creating targeted study guides for students.

**Supplemental Learning**   Analyzing common errors/topics to generate supplemental explanations, examples, and practice questions for support outside of class.

**Scaffolded Writing**   Redesigning writing assignments to intentionally scaffold AI use across the revision process.

**Applied Legal Writing**   Having students use AI to draft rental agreements and refine them into a single master.

**Video Creation**   Creating videos for course use.

# Classified Staff AI Use Cases

**Email Communication**  Sharpening emails to ensure they sound friendly and professional.

**Workflow Efficiency**  Improving accuracy and instructional support in daily roles.

**Technical Automation**  Generating Python code to create medication labels and streamline labeling tasks.

**Document Management**  Summarizing long documents to identify key points quickly.

**Data Analysis**  Finding statistics on specific topics to support arguments, proposals, and decision-making.

**Spreadsheet Support**  Assisting with the creation and troubleshooting of complex spreadsheet formulas.

**Marketing & Design**  Drafting flyers and promotional materials.

**Administrative Tasks**  Creating meeting minutes and organizing discussion points.

# Administration AI Use Cases

**Research & Tools**          Using AI for research, building tools, and creating presentations.

**Workflow Automation**          Transforming data to generate calendar holds and streamline scheduling.

**Data Summarization**          Summarizing large spreadsheets into consumable data formats for review.

**Institutional Reporting**          Assisting in professional report writing, such as ACCJC reports.

**Enrollment Management**          Utilizing AI to support and optimize enrollment management processes.

# Evaluating Our Impact



Future Projects with OIE to **measure what matters**.



| | |
|---|---|
| Adoption Rate | 75% Growth |
| Student Success | 82% Improvement |
| Equity Gap | 40% Reduction |
| Cost Savings | 60% Optimized |

*Potential data points

# Innovation with Artificial Intelligence

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