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AI INNOVATION
PLAYBOOK

"When information and content becomes a commodity, unlocking stranded brilliance in humans becomes the premium".

Dwayne Matthews

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1. VISION
AND OBJECTIVES

Goal: Define the overarching vision and strategic objectives for AI integration.

Vision Statement Example: Our community college is a leader in adopting AI technologies that enhance educational outcomes, streamline administrative processes, and foster an innovative learning environment.

Objectives Example:
- Enhance student learning experiences through AI-driven personalized learning.
- Improve administrative efficiency using AI for automation and data analysis.
- Foster a culture of innovation and continuous improvement.
- Prepare students for the AI-driven job market.

Improvements:
Specific KPIs: Define key performance indicators (KPIs) to measure progress towards each objective. For example, increase student retention rates by 10%, reduce administrative processing time by 25%, and ensure 90% of students are AI-literate upon graduation.

2. ESTABLISH
OPEN INNOVATION PRACTICE

Green Team: Innovation Scouts

Objective: Identify and evaluate emerging AI technologies and best practices from other industries.
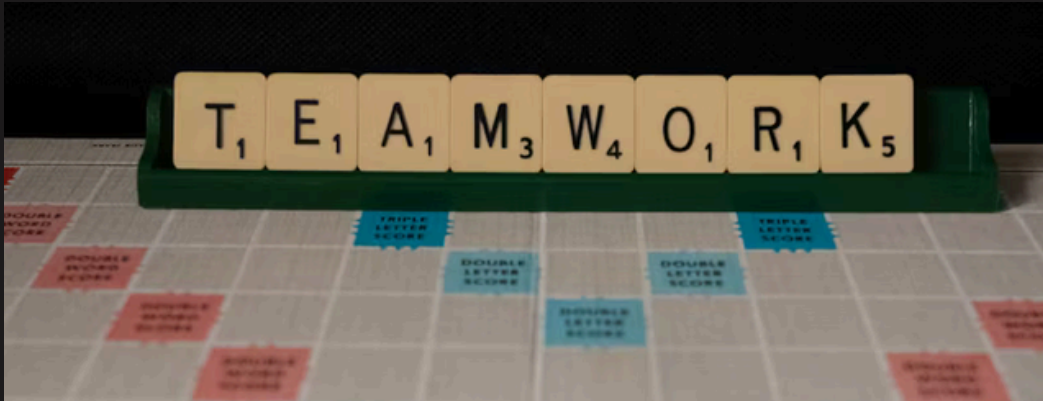
Activities:
- Conduct research on AI trends and applications in education.
- Network with industry partners, startups, and academic institutions.
- Brainstorm potential AI solutions and applications for the college.

Red Team: Risk Assessors

Objective: Identify risks and challenges associated with AI implementations.

Activities:
- Conduct risk assessments for identified AI solutions.
- Analyze potential ethical, legal, and operational risks.
- Provide risk register reports to all Teams.

Blue Team: Opportunity Maximizers

Objective: Develop strategies to mitigate risks and maximize the benefits of AI.

Activities:
- Create implementation plans for viable AI solutions.
- Develop risk mitigation strategies and contingency plans.
- Coordinate pilot projects and evaluate their success.

Improvements:

- **Cross-Team Collaboration:** Schedule regular inter-team meetings to ensure alignment and share insights.

- **External Advisors:** Involve external advisor to provide additional guidance, support, and expertise to leadership (Process should be leadership sponsored).

3. IDENTIFY
AI OPPORTUNITIES

Green Team Activities:
- Explore AI applications in personalized learning, such as adaptive learning platforms and intelligent tutoring systems.
- Research administrative AI solutions, including chatbots for student services and AI-driven data analytics for decision-making.
- Identify potential partnerships with AI technology providers and startups.

Deliverables:
- A list of potential AI solutions and applications.
- Reports on emerging AI trends and best practices.

Improvements:

- **Feasibility Studies:** Conduct preliminary feasibility studies for each identified AI solution to assess potential impact and resource requirements.
- **Stakeholder Engagement:** Engage with key stakeholders (faculty, students, administrators) early to gather input and ensure buy-in.

4. RISK ASSESSMENT
AND EVALUATION

Red Team Activities:

- Assess the technical feasibility, cost, and scalability of each AI solution.
- Evaluate potential ethical and privacy concerns related to AI use in education.
- Identify potential impacts on faculty and staff, including the need for training and support.

Deliverables:

- Risk register for each AI solution.
- Risk assessment reports for AI solutions.

Improvements:

- **Scenario Planning:** Include scenario planning to address various potential future states and their implications for AI implementations.
- **Ethics Committee:** Establish an ethics committee to regularly review AI initiatives and ensure compliance with ethical standards.

5. DEVELOP
IMPLEMENTATION PLANS

Blue Team Activities:
- Review risk register, risk assessment reports and develop risk mitigation strategies.
- Create implementation plans for selected AI solutions, including timelines, resource requirements, and success metrics.
- Coordinate with stakeholders to ensure buy-in and support for AI initiatives.

Deliverables:
- AI implementation plans.
- Risk mitigation strategies and contingency plans.

Improvements:
- **Pilot Project Criteria:** Establish clear criteria for selecting which AI solutions to pilot based on potential impact, feasibility, and alignment with strategic objectives.
- **Resource Allocation:** Ensure adequate resources (funding, personnel, technology) are allocated for implementation.

6. PILOT TESTING
AND EVALUATION

Activities:

- Select a few AI solutions for pilot testing in controlled environments.
- Monitor and evaluate the effectiveness of AI solutions in real-world settings.
- Collect data and feedback from students, faculty, and staff.

Deliverables:

- Pilot test reports, including data on effectiveness and user feedback.
- Recommendations for scaling successful AI solutions.

Improvements:

- **Iterative Testing:** Implement an iterative testing approach to refine AI solutions based on feedback before full-scale deployment.
- **Transparent Communication:** Keep all stakeholders informed about pilot progress and outcomes through regular updates and reports.

7. SCALING
AND CONTINUOUS IMPROVEMENT

Activities:

- Scale successful AI solutions across the institution.
- Continuously monitor and evaluate the performance of AI solutions.
- Foster a culture of continuous improvement by regularly updating AI strategies and solutions.

Deliverables:

- Institution-wide implementation of successful AI solutions.
- Regular performance reports and updates on AI initiatives.

Improvements:

- **Scalability Framework:** Develop a scalability framework to guide the expansion of successful pilots.
- **Continuous Feedback Loop:** Establish a continuous feedback loop to capture ongoing insights and improvements from users.

8. TRAINING
AND BUILDING CAPACITY

Activities:
- Develop and deliver training programs for faculty and staff on AI tools and technologies.
- Provide ongoing support and resources to ensure successful adoption and integration of AI solutions.

Deliverables:
- Comprehensive training programs and materials.
- Support resources and help desk services for AI-related queries.

Improvements:
- **Certification Programs:** Introduce AI certification programs for faculty and staff to ensure they are fully equipped to leverage AI technologies.
- **Mentorship:** Establish a mentorship program where early adopters can support peers in adopting AI tools.

NEXT STEPS

Next Steps:

Suggestions to communicate and implement this framework within your institution:

1. **Energizer Keynote** to introduce A.I in education and the " Unlocking Stranded Brilliance: Open Innovation" strategy
2. **Build** your Green Teams, Red Teams and Blue Teams
3. **Set up** workshops with key stakeholders