



TOP 5 STRATEGIES TO

USE AI TO BROADEN IMPACT OF YOUR ATE PROJECT

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5. IDENTIFY POTENTIAL PARTICIPANTS

USE AI TO:

- 1. SEGMENT AND PRIORITIZE INSTITUTIONS, GROUPS, AND INDIVIDUALS**
- 2. ANALYZE SOCIAL MEDIA, IDENTIFY TARGET AUDIENCES, AND COMMUNICATE**
- 3. SCAN INDUSTRIES, JOB MARKETS, EDUCATION PROGRAMS, AND RESEARCH & TEACHING PEERS FOR RELEVANT STEM ALIGNMENT**

Data, Insights, and Solutions to Aid NSF ATE and 2-Year Colleges in Creating and Sustaining "Grant Active" Cultures. Journal of Advanced Technological Education, 3(1).



4. TOOL FOR DATA ANALYSIS & EVALUATION

USE AI TO LOAD *YOUR* DATA AND RECEIVE

1. Pattern & Anomaly Detection, Predictive Modeling, Clustering
2. Data Cleaning, Visualization, Real-time Dashboards
3. Custom Classifications and Recommendations, Forecasting, Regression and Scenario Analysis

*Ask ChatGPT: “What can AI do with my data”

3. BROADEN SCOPE OF WORK

USE AI TO:

1. IDENTIFY AND ANALYZE NEW & CONVERGING STEM FIELDS AND TECHNOLOGIES THAT ALIGN WITH YOUR PROJECT'S GOALS
2. EXPAND COLLABORATIONS THAT CONNECT YOU WITH NEW NETWORKS OF RESEARCHERS, INSTITUTIONS, AND COMPANIES
3. MINE OPEN-SOURCE DATA AND RESEARCH PAPERS TO INFORM YOUR PROJECT'S FUTURE DIRECTIONS

2. CURRICULUM DEVELOPMENT

USE AI TO:

- 1. IDENTIFY GAPS IN EXISTING CURRICULA BY ANALYZING CURRENT STEM WORKFORCE TRENDS AND SKILLS REQUIREMENTS**
- 2. DESIGN SIMULATIONS, VIRTUAL LABS, AND INTERACTIVE LEARNING EXPERIENCES**
- 3. UNDERSTAND STUDENT LEARNING STYLES AND PERSONALIZE LEARNING PATHS**





1. COMMUNICATION

USE AI TO:

- 1. SHORT TIME AND INCREASE ACCURACY IN GENERATING REPORTS, PROPOSALS, AND UPDATES**
- 2. ANALYZE COMMUNICATION PATTERNS AND IDENTIFY THE MOST EFFECTIVE CHANNELS FOR DIFFERENT AUDIENCES**
- 3. AUTOMATE CONTENT CREATION FOR NEWSLETTERS, BLOG POSTS, AND SOCIAL MEDIA TO KEEP STAKEHOLDERS INFORMED**

