

# Collecting Student Data in ATE: Strategies for Success From Bridgerland Technical College

- NSF ATE #2100322 "Teaching Technicians Troubleshooting with Mini Industry 4.0 Factories" (TTTMI4.0F)
- NSF ATE #2202090 "Distance-Enabled Industry-Led Data Analytics Technician Pathway" (ILDAP)

### **Keys to Collecting Student Data**

- Use a grants activity tracker
  - Create columns that line up with annual evaluate survey questions
  - Create columns that line up with grant dissemination activities
  - Create columns that line up with grant outcomes
  - Create columns for activity information such as date, categorization of activity, duration, grant worker, demographics
- Collect throughout the year
  - Incorporate the collection of data into meetings
  - Everyone is responsible for collecting evidence
- Share with evaluator

## Keys to Collecting Curriculum Design Activities

- Use a project management software to collect data for
  - o Course level information
  - Curricular structure
    - mapping
    - assignments
    - labs
    - quizzes
    - rubrics
    - styling
- Incorporate into workflow
  - Project management and prioritization of instructional design tasks.
  - Incorporate the collection of data into meetings
  - 0 Everyone is responsible updating tracker/sharing progress in meetings

# Grant Activity Tracker - Blank

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#### **Grant Activity Tracker - Filled**

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5	Date	Grant Worker	Activity Type	Topic	Type and Number of Attendees	Duration	Evidence	Total Participants	Age of Participants	Female Participants	Male Participants
з	9/23/2023	Matt	Recruitment/Retention +	Automation Technology Open House	53 students, 1 TBECH faculty	1 hour	Photo	54		[];	
4	10/25/2023	Scott, Mason, Jeff	Dissemination •	ATE PI Conference Presentation	instructors and industry professionals	1 hour	Photo	29		6	20
5	10/26/2023	Scott, Mason, Jeff, Tiffany	Dissemination •	Capitol Hill visit with Burgess Owens and Blake Moore	Congressmen and BTECH faculty	1 hour	Photo				
8	10/6/2023	Ben	Professional Development (recieving)	Schreiber's Reliability Training	1 BTECH faculty	40 hours	Certificate	,			
7	11/1/2023	Matt. Jeff, Stephen, Tiffany, Mikaela	Advisory Board Meeting .	2023 Advisory Board Meeting - Automation	Industry and BTECH Faculty	1.5 hours	Photo	21			
1	11/2/2023	Matt, Jeff, Stephen, Tiffany, Mikaela	Advisory Board Meeting •	2023 Advisory Board Meeting - Controls	Industry and BTECH Faculty	1.5 hours	Photo	18			
9	1/19/2024	Ben	Professional Development (recieving)	FANUC Academy HandlingTool Operation and Programming	1 BTECH faculty	32 hours	Certificate	1			
10	2/5/2024	Matt	Industry Tour +	Texas instruments Tours	200 Students and 9 BTECH Faculty	3 hours	Photo	209	HS		
11	2/22/2024	Matt	Presentation •	Rich HS Presentation	151 Students and 4 BTECH Faculty	1 hour	Photo	155	HS	1	3
12	2/23/2024	Mason, Matt. Tiffany	Collaboration •	BTECH Visits BYU Manufacturing Engineering Team	5 BYU, 5 BTECH	1 hour	Photo	10	College		5
13	2/29/2024	Matt	Professional Development (recieving)	FANUC Academy V-RVision Operation & Programming - 3D Area Sensor/3D Vision Sensor	1 BTECH faculty	32 hours	Certificate	1			
14	3/8/2024	Mason	Presentation .	College Career Awareness Presentation		1 hour	Photo	19			
15	3/14/2024	Matt. Jeff, Stephen, Alan, Ryan	Professional Development (recieving)	BYU Professional Development	5 BYU, 5 BTECH	16 hours	Phote	10			
16	3/22/2024	Matt	Professional Development (recieving)	ABB Robotics Training - IRCS Accelerated Programming	1 BTECH faculty	32 hours	Certificate	1			
17	4/10/2024	Matt, Jeff, Stephen, Mikaela	Advisory Board Meeting .	Automation Technology Advisory Committee Meeting	18 industry, 10 STECH faculty	1.5 hours	Photo	28			
18	4/11/2024	Matt, Jeff, Stephen, Mikaela	Advisory Board Meeting ·	Controls Engineering Advisory Meeting	12 industry, 8 BTECH	1.5 hours	Photo	20			

#### **Progress Standing Tracker - Blank**

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1	Assigned To	Courses (Linked)	Priority Order	Teacher Due Date	Instructional Designer Due Date	KSA Mapping	Module Skeleton	Projects/Finals Rubrics	Projects/Finals	Quizzes/Assignments	Lectures	Final Styling	
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#### **Progress Standing Tracker - Filled**

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2	Zann		Computer Programming	1		9/30/24							
3	Shaker		Client-side Development	2		10/15/24							
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	Jason	ŝ	Database Development	3	9/13/24	10/15/24							
0	Shaker	ő	Software Development	5		10/28/24							
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	Zann and		Server-side Web	4	9/16/24	10/21/24							
7	Cason		Job Seeking Skills		01024	1012 1124							
8	Shaker		Frontend Framework	9		11/25/24							
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10	Shaker	2	Eulistack Integration	10	52324	12/2/24							
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11	Zann	Ξ	Prototyping & Design	8	10/7/24	11/18/24							
12	Jason		CMS Essentials	7	9/30/24	11/11/24							
13	Jason		Web Development Capstone		9/2/24								
14	Data Analytics		Python Fundamentals	-									
15													

# Scan for free templates!

