

#7

COMPLETE

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Page 1: For Annual Planning/Program Review Requests AND Off-Cycle Requests

Q1 **2022-2023**

Technology Plan Year

Q2

Title of Request

EEG Computer

Q3

Location of Request

F510

Q4

Department

Psychology (HSBS)

Q5

Contact Person

Name	Steve Weinert
Email Address	steve.weinert@gcccd.edu

Q6

Description Please provide a brief description of the technology/software or technology project and its core goal(s).

Our research lab needs a computer that has a dedicated GPU so that it can render EEG data while displaying graphics and video content. Current on board shared graphics becomes too processor intensive which disrupts the recording of the EEG data.

Page 2: Proposal Justification

Q7

Please explain how the technology or enhancement supports the strategic plan and impacts students, employees, the college, and/or the district. Which Strategic Plan priority (or priorities) are supported by this request? To access the Strategic Plan, please click [here](#).

Increase equitable access (enrollment),

Increase persistence eliminate equity gaps (re-enrolling the subsequent semester or year)

Other (please specify):

Exposes diverse students to high level experimental procedures

Q8

How does the request support the above priorities?

Having a smallish computer that is portable - we can bring the EEG to the high schools - and show the students that doing real primary research is possible even to students at the community college level.

Q9

Who would this impact? Please select all that apply.

Students,

Other (please specify):

Publication for the Research Lab

Q10

What is the number of students or employees impacted per semester?

50

Q11

How would this impact the above group(s)?

It is an attention draw for students. Getting student passionate about a project - can totally change their motivation for education.

Q12

No

Does the technology support a state-wide initiative or is it a legal mandate or in support of a legal mandate?

Q13

Respondent skipped this question

If yes, please explain how the technology supports a state-wide initiative or is it a legal mandate or in support of a legal mandate?

Q14

Please be aware that projects, once approved, are typically scheduled 6 months to a year in advance. Consider the consequences if the technology/software is not implemented, upgraded or renewed. What are the consequences if the technology/software is not implemented/upgraded, or renewed? Examples: Security concerns, loss of FTES, mandates, accreditation, etc.

We are limited to the type of experiments we can do - with the current tablet that we are using - we can't zoom the EEG or share it with a wider audience. A computer with a dedicated GPU can increase coverage and the amount of experiments that we can do.

Q15

What is your preferred time for implementation?

As soon as possible

Q16

Tell us how the data you have supports the implementation of the technology. This can be qualitative or quantitative in the form of surveys, observations, SLO or other assessment data, institutional research data or other reports and data.

<https://www.youtube.com/watch?v=aXUXF2mKyUw>

Q17

3

How critical is this need in terms of supporting curriculum and services?

Q18

Respondent skipped this question

Please attach any supporting data/documentation using the "Upload" button below.

Page 3: COST ANALYSIS

Q19

Hardware

Is the request for hardware or software?

Q20

Upgrade (replacing outdated technology)

Is the request for new or an upgrade to existing technology?

Q21

Total initial cost of request: This includes hardware and software maintenance, licence, taxes, fees, shipping, storage, etc. Contact Bryan Cooper for assistance.

A gaming laptop starts around \$600 - with dedicated GPU and a small form PC starts around \$450

A dedicated card for standard DELL 3450 (desktop PC's in faculty offices) is between 150 and 300.

https://www.dell.com/support/manuals/en-us/precision-3450-workstation/prec_3450_sff_ss/gpu-discrete?guid=guid-c0817e4e-e84f-49ab-8500-6989b5fc191b&lang=en-us

Q22

General Fund

Funding Source:

Q23

Please attach quote using the "Upload" button below.

prec-3450-sff-ss-en-us.pdf (2.8MB)

Page 4: Grant Funding Source

Q24

Respondent skipped this question

Please specify the grant that will fund the technology you are requesting.

Page 5: Evaluation Plan

Q25

Evaluationi. How do you plan to evaluate the technology after implementation?

The number of students we draw from the Local High Schools...

Page 6: Type of Request

Q26

No

Is this an Off-Cycle Request (e.g., not part of the annual planning/program review process)?

Page 7: Off-Cycle Requests Only

Q27

Respondent skipped this question

What are the exigent circumstances and/or contributing factors that would qualify this request to be eligible for Off-cycle consideration? Please explain why this request cannot wait until the next annual planning cycle.

Page 8: Technology Request Process

Q28

Respondent skipped this question

How can the Technology Request process be improved for next year?

Page 9: Ready to Submit

Q29

Yes

Are you ready to submit your technology request?
