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**COMPLETE**

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Page 1: For Annual Planning/Program Review Requests

**Q1 Technology Plan Year** **2019-2020**

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**Q2 Title of Request**

3 D Printers

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**Q3 Location of Request**

Division One

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**Q4 Discipline**

Engineering

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**Q5 Department**

Science and Engineering

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**Q6 Contact Person**

Name **Pam Kersey**  
Email Address **pam.kersey@gcccd.edu**

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**Q7 Description** Please provide a brief description of the technology/software or technology project and its core goal(s).

3 D Printers to support more sections of Engineering which always have waitlists. We need faculty and a new lab to increase sections offered to meet student needs. This is for Division One New Goal 1: Continue to support student pathways by supporting the Engineering Department to meet student demand/needs. Students cannot continue on their path when they cannot get into the sections that they need.

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Page 2: Proposal Justification

## Technology Request Form

**Q8** Please explain how the technology or enhancement supports the strategic plan. Include information on how students will be impacted and/or employees or the college or district overall. Consider whether this would be a district-wide implementation. Which Strategic Plan priority (or priorities) are supported by this request? To access the Strategic Plan, please click [here](#).

**Guided Student Pathways**,  
**Student Validation and Engagement**,  
**Organizational Health**

**Q9** How does the request support the above priorities?

New Goal 1: Continue to support student pathways by supporting the Engineering Department to meet student demand/needs. Students cannot continue on their path when they cannot get into the sections that they need. This also supports organizational health because we are losing FTES by not enrolling students on the waitlists. We are also going to validate student needs and they will be able to engage in their discipline of choice and use technology that they need to know how to use when they enter the workforce.

**Q10** Who would this impact? Please select all that apply.

**Students,**  
**College,**  
**District**

**Q11** How would this impact the above group(s)?

Meeting student needs to get into the courses they need to stay on their path, increasing revenue for the college/district by increasing FTES

**Q12** Does the technology support a state-wide initiative or is it a legal mandate or in support of a legal mandate? **Yes**

**Q13** 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?

Guided Student Pathways, Success, Employment after College which are all three part of the new funding formula.

**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 will continue to turn away students until some other college meets their needs and they no longer come to us.

**Q15** What is the number of students impacted per semester if the technology/software is not implemented, upgraded or renewed?

100

## Technology Request Form

**Q16** What is your preferred time for implementation?

Fall 2019

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**Q17** 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.

Waitlists for every Engineering Section every semester. Reports available.

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**Q18** Please attach any supporting data/documentation using the "Upload" button below.

**Respondent skipped this question**

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Page 3: COST ANALYSIS

**Q19** Is the request for hardware or software?

**Hardware**

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**Q20** Is the request for new or an upgrade to existing technology?

**New (new to the campus)**

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**Q21** Estimated or known total initial cost of request: This includes hardware and software maintenance, licences, taxes, fees, shipping, storage, etc.

\$4,000

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**Q22** Funding Source:

**General Fund**

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**Q23** Please attach quote using the "Upload" button below.

**Respondent skipped this question**

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**Q24** Evaluationi. How do you plan to evaluate the technology after implementation?

SLO assessment by the department

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**Q25** Are you ready to submit your technology request?

**Yes**

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