Survey feedback summary

There are totally 8 feedbacks received from outside audiences, including ANU Engineering students, PhD students and research fellows.

The feedback is collected based on the following five aspects.

1. Component detail and system integration
2. Design strategy, including the determination of processing type, component and work schedule.
3. Simulation analysis
4. Design feasibility
5. Others

For the feedback and recommendation obtained in terms of component detail and system integration:

Feedback 1:

The overall design consistency and overall appeal is fantastic.

Recommendation 1:

No recommendation.

Team response 1:

No response.

Feedback 2:

The team proposed a preliminary design of an insect rendering plant. The team showed effort in drawing individual components on Solidworks. All sketches are available in the landing page, yet I failed to find the documents that describe the purposes, the main characteristics and the working principles of each individual component. The whole rendering process is also unclear, as there is no flow diagram. It is good that the team proposed two different design options, yet there is no documentation comparing the differences between the two. Moreover, the principles and decisions behind the designs are not documented. This is a difficult project as the team does not process experience in process industry. When taking this into account, the performance of the team is satisfactory, as they managed to propose the whole rendering process and provided alternative options. The team would perform better if the detailed design principles of the whole process and each individual components are documented.

Recommendations 2:

It would be better to document the design process and working principles of the overall process and each individual component in detail. Having a Solidwork sketch is not sufficient for audiences to understand the design of each component.

Team response 2:

Yes, our team is organizing the documentation of the design iteration, working principle of the overall process and description of the individual component. We think this could help the audiences to understand the whole process.

For the feedback and recommendation obtained in terms of design strategy, including the determination of processing type, component and work schedule:

Feedback 1:

Very impressive presentation. The team proposed a preliminary design of a insect rendering plan. the team showed effort in drawing individual components on Solidworks. all sketches are available in the landing page, yet i failed to find the documents that describe the purposes, the main characteristics and the working principles of each individual component. the whole rendering process is also unclear, as there is no flow diagram. it is good that the team proposed two different design options, yet there is no documentation comparing the differences between the two. Moreover the principles and decisios behind the designs are not documented. this is a difficult project as the team does not process experience in procss industry. when taking this into account, the performance of the team is satisfactory as they managed to propose the whole rendering process and provived alternative options. the team would perform better if the detailed design principles of the whole process and each individual components are documented.

Recommendation 1:

More research is required and testing of the model can be done in later practice.

Team response 1:

Yes, our team agree that we need to documents for introduction of the system and each component. Our group is working on this part.

For the feedback and recommendation obtained in terms of simulation analysis:

Feedback 1:

I am confused about what kind of simulation analysis will your team do. I cannot see the actual values of doing the simulation if you just want to show how the insect flow in the whole system. If you want to see how the heat transfer and the pressure, I would say the there are lots of parameters you need to figure out and it will be a huge work. There is always a big difference between the simulation and real world situation.

Recommendation 1:

So, I will suggest put more efforts on asking the feasibility of the design from the industry experts and any people who are working in mechanical field. I think this will provide more benefits.

Team response 1:

Our team agree. There are lots of parameters which is hard to find. We communicated with lots of manufacture and none of them have such experience to render insect. Thus, we probably need to put more efforts on asking feedbacks from industry experts.

For the feedback and recommendation obtained in terms of design feasibility;

Feedback 1:

The design is functional and safe as long as the operation is strictly following the instruction.

Recommendation 1:

No recommendation.

Team response 1:

No response.

Feedback 2:

Good

Recommendation 2:
No recommendation.

Team response:
No response.

Feedback 3:
The design shows a great feasibility as the structures are built through SolidWork and a prototype is given by 3-D printing. Compared with only providing theoretical calculations, the present of a prototype significantly makes the design more reliable in terms of the feasibility.

Recommendation 3:
No recommendation

Team response 3:
No response.

For the feedback and recommendation obtained in terms of other aspect;

Feedback 1:
Use larger font on the technical drawings otherwise very informative

Recommendation 1:
No recommendation

Team response 1:
Yes. In the brochure, some of the numbers are hard to read. We are currently export all the 2D diagrams in PDF and load the file into the brochure. Thus, it is hard to make it very clear expect to magnify the picture. We will try our best to organize that.

Action

Action	Owner	Status
Complete the system description	Minghui	Completed
Complete the component introduction	Minghui	Completed

Appendix: External Audience Answers

Answer 1:

Insect Processing Rendering Plant Feedback

Please provide the appropriate feedback on our progress based on your observations of our project.

*必填

电子邮件地址 *

1104106637@qq.com

Which part of our design would you like to feedback on?

- [ ] Component detail and system integration
- [ ] Design strategy , including the determination of processing type, component and work schedule
- [x] Simulation analysis
- [ ] Design feasibility
- [ ] Others

Feedback *

I am confused about what kind of simulation analysis will your team do. I cannot see the actual values of doing the simulation if you just want to show how the insect flow in the whole system. If you want to see how the heat transfer and the pressure, I would say the there are lots of parameters you need to figure out and it will be a huge work. There is always a big difference between the simulation and real world situation.

Recommendations

So, I will suggest put more efforts on asking the feasibility of the design from the industry experts and any people who are working in mechanical field. I think this will provide more benefits.

Answer 2:

Insect Processing Rendering Plant Feedback

Please provide the appropriate feedback on our progress based on your observations of our project.

*必填

电子邮件地址 *

yi.xiao@anu.edu.au

Which part of our design would you like to feedback on?

- [ ] Component detail and system integration
- [ ] Design strategy , including the determination of processing type, component and work schedule
- [ ] Simulation analysis
- [x] Design feasibility
- [ ] Others

Feedback *

The design is functionable and safe as long as the operation is strictly following the instruction

Recommendations

Name

Answer 3:

Insect Processing Rendering Plant Feedback

Please provide the appropriate feedback on our progress based on your observations of our project.

*必填

电子邮件地址 *

cavallialexander@gmail.com

Which part of our design would you like to feedback on?

- [ ] Component detail and system integration
- [ ] Design strategy , including the determination of processing type, component and work schedule
- [ ] Simulation analysis
- [ ] Design feasibility
- [x] Others

Feedback *

Brochure

Recommendations

use larger font on the technical drawings otherwise very informative

Name

alex

Answer 4:

Insect Processing Rendering Plant Feedback

Please provide the appropriate feedback on our progress based on your observations of our project.

*必填

电子邮件地址 *

u5643212@anu.edu.au

Which part of our design would you like to feedback on?

- [x] Component detail and system integration
- [x] Design strategy , including the determination of processing type, component and work schedule
- [ ] Simulation analysis
- [ ] Design feasibility
- [ ] Others

Feedback *

The overall design consistency and overall apeal is fantastic.

Recommendations

Name

Answer 5:

电子邮件地址 *

u5879960@anu.edu.au

Which part of our design would you like to feedback on?

- [x] Component detail and system integration
- [ ] Design strategy , including the determination of processing type, component and work schedule
- [ ] Simulation analysis
- [ ] Design feasibility
- [ ] Others

Feedback *

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It is good that the team proposed two different design options, yet there is no documentation comparing the differences between the two. Moreover, the principles and decisions behind the designs are not documented.

This is a difficult project as the team does not process experience in process industry. When taking this into account, the performance of the team is satisfactory, as they managed to propose the whole rendering process and provided alternative options. The team would perform better if the detailed design principles of the whole process and each individual components are documented.

Recommendations

It would be better to document the design process and working principles of the overall process and each individual component in detail. Having a Solidwork sketch is not sufficient for audiences to understand the design of each component.

Name

Jiarui Wang

Answer 6:

回复不可编辑

Insect Processing Rendering Plant Feedback

Please provide the appropriate feedback on our progress based on your observations of our project.

*必填

电子邮件地址 *

u5670702@anu.edu.au

Which part of our design would you like to feedback on?

- [ ] Component detail and system integration
- [ ] Design strategy , including the determination of processing type, component and work schedule
- [ ] Simulation analysis
- [x] Design feasibility
- [ ] Others

Feedback *

good

Recommendations

Name

Answer 7:

*必填

电子邮件地址 *

lichenlich@gmail.com

Which part of our design would you like to feedback on?

- [x] Component detail and system integration
- [x] Design strategy , including the determination of processing type, component and work schedule
- [x] Simulation analysis
- [x] Design feasibility
- [ ] Others

Feedback *

very impressive presentation. the team proposed a preliminary design of a insect rendering plan. the team showed effort in drawing individual components on Solidworks. all sketches are available in the landing page, yet i failed to find the documents that describe the purposes, the main characteristics and the working principles of each individual component. the whole rendering process is also unclear, as there is no flow diagram. it is good that the team proposed two different design options, yet there is no documentation comparing the differences between the two. Moreover the principles and decisios behind the designs are not documented.
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Recommendations

more research is required and testing of the model can be done in later practice.

Name

chen li

Answer 8:

Please provide the appropriate feedback on our progress based on your observations of our project.

*必填

电子邮件地址 *

u6392056@anu.edu.au

Which part of our design would you like to feedback on?

- [ ] Component detail and system integration
- [ ] Design strategy , including the determination of processing type, component and work schedule
- [ ] Simulation analysis
- [x] Design feasibility
- [ ] Others

Feedback *

The design shows a great feasibility as the structures are built through SolidWork and a prototype is given by 3-D printing. Compared with only providing theoretical calculations, the present of a prototype significantly makes the design more reliable in terms of the feasibility.

Recommendations

Name

Contact