Add meaningful presenter notes on each slide

Name of presenter(s) at mid-term; and single presenter for the final presentation

Affiliation – e.g. Network Security & Electronics Program or Dept. of Applied Engineering & Technology, Eastern Kentucky University

Contact – email or other way for contacting you regarding the work in the future

Note your prior technical, co-op, job, hobby experiences or interest in this project area

Set ground rules for your presentation

The recommended order of these slides should be maintained. The background colors or fonts of slides may be changed for the mid-term or the final presentation

OVERVIEW

- Overview of the presentation – big picture view
- 3-5 points noting the key functionality provided by the system, its intended audience, hinting on its awesomeness!
- May include your initial "back-of-the-napkin" sketch/illustration as a talking piece for project's broad goals
- Circulate project brochure (if available)

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2

Overview of the work

3-5 points noting the key functionality provided by the system, its intended audience, hinting on the convenience/applicability ("awesomeness") of the work, a way to start telling your project's story … drawing the audience into the presentation

This presentation provides the necessary background knowledge, the key design and prototyping steps needed for understanding the video

If basing your presentation and video on an article refer to the abstract or the conclusion section for identifying the big ideas and the main contributions of the work. If the work is based on a video/multimedia resource try to identify the different logical sections it contains, and note its main contributions.

Highlight the issue which requires the specialized solution you have developed

Show and Tell – do both!

Multiple slides may be used for motivating different aspects of the problem that is being solved through this technology or device

Change this graphic and add graphics related to your project on different slides – if in doubt add more rather than less illustrations. (If possible use "public domain" images which do not require citations.

Technical areas your project covers

Key work that has been done by other practitioners/researchers in this area

Multiple slides may be used with ideas drawn from different sources

New content is often based on the work that has come before – document the primary sources you used and how these influence the design or development of your project.

For the mid-term presentation try to identify at least one multimedia resource, one presentation/instructable, and one conference/journal paper that is closely related to this topic. These 3 types of sources and be then referred to while developing your how-to instructional video along with the mid-term PowerPoint presentation.

For the final presentation refer to the key sources you identified as part of the Annotated Bibliography (Progress Report 2)

PROJECT SPECIFICATIONS

- Specific project objectives with at least 2-core phases clearly identified, and 1 possible extension
- Show objectives graphically if possible (multiple slides may be used)
- Include constraints/limits within which the project needs to operate

Specific project objectives – should include multiple enlarging core section and possible extension sections –

(Refer: https://peer.asee.org/solution-based-learning-sbl-using-systems-engineering-principles-to-guide-capstone-projects-in-technology) .

Include constraints/limits

Provide a suitable graphic illustrating the project objective, the problem being solved – this could be an abstraction of the system with key areas identified.

Later on in the presentation, as part of the solution process for this project specification, provide additional details about these key areas.

Your individual capstone project is intended to solve a specific problem under a given set of conditions – identify these conditions clearly. Relaxing the conditions under which the system can operate will make it more easily adaptable for general use and broader adoption worldwide.

ASSUMPTIONS

- Any implicit or explicit assumptions about the product, the process, the ultimate users, the test conditions, intended vs. actual use

List the operating conditions, system constraints

Any implicit or explicit assumptions

PROPOSED SOLUTION

- Provide block diagram of the solution, showing key sections of the design
- Discuss the proposed solution planned for each project phase in sequence, with critical core functionality designed first, and other extension features added in later
- Use multiple slides showing proposed solutions for various phase
- At least one flowchart needed
- Show project timeline with milestones

Provide block diagram of the proposed solution showing the key sections

List steps taken to solve the problem – use flowcharts and visuals liberally.
   A flowchart can be very helpful in showing the logic behind your design.

Use at least a multi-phase (minimum 2-phase) approach to key sections of your design, with critical functionality implemented first, and other features added in later.

Multiple slides should be used for discussing the design.

As part of the individual capstone provide a timeline of implementation

RESULTS

- Key results from each prototyping phase
- Use at least a 2-phase approach to prototyping – include annotated photos/diagrams of implementation
- Note how results were evaluated and then used to improve subsequent versions of your system – more photos
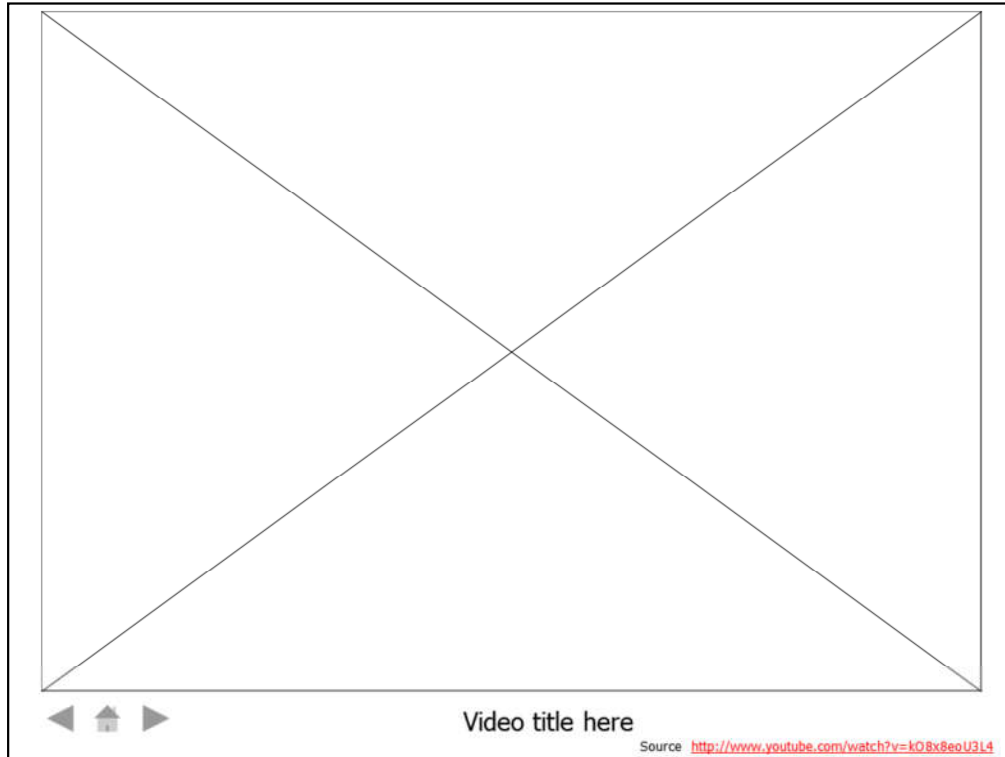- Emphasize the safety, usefulness, and fun aspects of prototyping process

List key results from each phase of the prototyping process

Use at least a 2-phase approach to prototyping – annotated photos and diagrams

Note how results were evaluated and then used to improve subsequent versions of your system – more photos

Emphasize safety in design development

For the individual capstone provide a visual timeline showing accomplishment of key milestones identified as part of the design

Video title here

Source http://www.youtube.com/watch?v=kO8x8eoU3L4

Launch video at suitable point in presentation.

Embed video link – You may simply modify the existing multimedia object above, by right-clicking it, then select the "Property Sheet" in the pop-up menu. Next replace the "Movie" property to the link of your video without any special characters if it is available publicly (such YouTube, etc.). The video link for "Five Minute University" is http://www.youtube.com/v/kO8x8eoU3L4

Alternatively, you may also insert the video from you local computer system. You may choose to have a screen shot of the video on this slide and choose to play the video using third party software. This option would be suitable if your video is not publicly available

The video should at a minimum address the following five areas:
1. What is this instruction video about – catchy title relevant to the activity
2. Why is this important (to me, to the audience, to the broader community)
3. Prep including parts, tools, equipment needed along with proper safety precautions for users and components
4. How-to: The actual step-by-step procedure, include captions or voice-over highlighting the different steps needed
5. Wrap-up summarize what was done, its importance, reiterate key safety features, any disclaimers

Include a credits slide at the end acknowledging graphics, music, or multimedia used. Cite sources using APA.

CONCLUSIONS

- Comment on significance of results - applicability in the home or workplace
- Personal learning reflection about handling multi-phase projects

(For mid-term: Each group member should comment on how the jointly designed and developed presentation with integrated video relates to their individual project with at least one slide per group member.)

The conclusions should refer back to the Overview slide.

Comment on significance of results - their applicability in the home or workplace

Each group member should comment on how the jointly designed and developed presentation with integrated video relates to their individual project (at least one slide per group member)

Provide an interpretation of the results, compare with other products/systems, note on how this device serves or extends the original plans

For the final capstone presentation this slide will change to:

Comments regarding how your thinking about tackling large technical projects has changed over the course of the semester. You may discuss any misconceptions or assumptions you had prior to starting the capstone, along with effective strategies that are working well for you.

FUTURE WORK

- Discuss implications of work – positive and negative
- Possible extensions to project
- Compare project with existing devices on market and considerations for possible commercialization of prototype
- May invite the audience for suggestions regarding updates to project
- Include appropriate illustrations

11

Discuss implications

Comment on ideas you are currently exploring for expanding the functionality of the project

User reverse-brainstorming techniques for suggesting ways to enlarge or to focus its score to a specific user population or other setting

Note ideas on commercialization of the project or how this may be improved to complete with existing products

Plan for 3-5 audience questions ahead of time.

If the specific questions are not asked by the audience you may bring up these points for discussion.

REFERENCES

- Provide complete APA citation of the key sources you referred to, along with persistent links to these (if available)
- Note what you found specially useful about each of there references in parenthesis.

APA citation of the key sources (3-5)

Provide a fuller list of references in the notes and during your presentation. May include a comment regarding the full list of references being included in your presenter/speaker notes and that you will can email that to anyone who may be interested in a more detailed reference list.
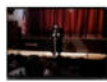
For the final capstone, note key sources your project references (Progress Report 2: Annotated Bibliography) in APA format

Provide an APA reference to your project itself being hosted through the department of Applied Engineering & Technology (AE&T) website -- http://people.eku.edu/chandrav/NET/Capstone_2019/capstoneProjects_2019.html

Provide citation for all images, sounds, multimedia used in Acknowledgements slide next

ACKNOWLEDGEMENTS

EKU

- If any external photos, images, videos from other sources were used in the presentation acknowledge their use
- Provide a thumbnail of image/video along with online/author information

Page 9: Messi19azzurtina. (2007, January 23). *Father Guido Sarducci's Five Minute University* [Video file]. Retrieved from https://www.youtube.com/watch?v=kO8x8eoU3L4

- You may acknowledge the assistance or contributions of others in the project

13

In final capstone presentation you may thank those who helped make this complex capstone project a manageable endeavor.

Thank the audience for their attention during your presentation

May include a key graphic from your presentation under the abbreviated (or full) project title, or any engaging graphic for inviting audience participation

Provide professional contact information and company/organizational position information