Proposal Presentation -- Assessment

Team Name: Eagle Eye

Technical Content	Not Acceptable		Average		Excellent
1. Explained motivation for design	1	2	3	4	5
2. Summarized scope of design problem	1	2	3	4	5
3. Presented market analysis	1	2	3	4	5
4. Presented customer needs analysis	1	2	3	4	5
5. Presented target specifications	1	2	3	4	5
6. Presented mission statement	1	2	3	4	5

Visuals or Slide Design	Not Acceptable		Average		Excellent
1. Visual appeal of slides	1	2	3	4	5
2. Quality of graphs, figures and tables	1	2	3	4	5
3. Clear, concise supporting text	1	2	3	4	5

Organization of Presentation	Not Acceptable		Average		Excellent
1. Summarized scope of talk at the beginning	1	2	3	4	5
2. Communicated purpose of presentation	1	2	3	4	5
3. Appropriate tone for audience	1	2	3	4	5
4. Organization of content	1	2	3	4	5
5. Finished with a convincing conclusion	1	2	3	4	5

Oral Presentation Quality	Not Acceptable		Average		Excellent
1. Team's confidence and enthusis	1	2	3	4	5
2. Team's control of Q&A and quality of responses	1	2	3	4	5
3. Presentation length	1	2	3	4	5

Individual Assessment

Mark X in areas that are AVG. or BELOW AVG.

Name:	Invidual Presentation Score: (1-5 as above)	Well Pr	Eye Co	Voice Q	Body L	Questions
1. Rachel	4	✓	✓	✓	X	
2. Zichao	4	✓	✓	X	✓	
3. Mauro	4	✓	✓	✓	X	
4. Zongjun	4	✓	X	✓	✓	
5.						
6.						

Comments:

One thing the group did particularly well: Presenting the hook was great!

One thing that could be improved: Expand a bit more of how the brain makes an "image" of objects from the vibration feedback

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Team Epilepsy

Question 1: What types of programming/micro processers will be used?

Question 2: Do you have any design ideas at this point?

Team Name: Team Eagle Eye

Question 1: Have you considered battery life on the vest? If it doesn't last all day, that might be problematic

Question 2: How many vibration emitters will be present?

Team Name: _____

Question 1:

Question 2:

Team Name: _____

Question 1:

Question 2:

Team Name: _____

Question 1:

Question 2:

Proposal Presentation -- Assessment

Team Name: Eagle Eye

Technical Content	Not Acceptable		Average		Excellent
1. Explained motivation for design	1	2	3	(4)	5
2. Summarized scope of design problem	1	2	3	(4)	5
3. Presented market analysis	1	2	3	(4)	5
4. Presented customer needs analysis	1	2	(3)	4	5
5. Presented target specifications	1	2	(3)	4	5
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3. Appropriate tone for audience	1	2	(3)	4	5
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Individual Assessment

Mark X in areas that are AVG. or BELOW AVG.

Name:	Invidual Presentation Score: (1-5 as above)	Well Pr	Eye Co	Voice Q	Body L	Questions
1. Rachel	3	3	3	3	2	
2. ?						
3. Mauro	4	4	4	4	3	
4. & CJ	2	2	1	2	2	
5.						
6.						

Comments: _____

One thing the group did particularly well: _____

One thing that could be improved: _____

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Team Race

Question 1:

What kind value are you bringing to the world.

Question 2:

~~Team Name~~ How did you decide the relative importance of each design spec?

Team Name: Epilepsy

Question 1: ~~How many false positives are associated with the Aspire RE?~~

How do you plan to test?

Question 2: Are the Aspire & Neuropace only 60% effective because the sensing is bad or just because some ~~or~~ some ~~sensor~~ seizures can't be stopped.

Team Name: Team Eagleeye

Question 1:

How will your device differentiate between foreground and background objects?

Question 2:

Did you include manufacturing, labor, & overhead when you calculated your device cost.

Team Name: 5 Guys & Ribeye

Question 1: What are the challenges associated with a boneless, fleat-ish piece of meat, such as a filet, or tuna steak (or even a sheet cake) versus a large, bone-in, hunk of meat like a turkey?

Question 2:

How will your 5 sensors be more robust than just inserting 5 different thermometers?

Team Name: _____

Question 1:

Question 2:

Proposal Presentation -- Assessment

Team Name: Eagle Eye

Technical Content	Not Acceptable		Average		Excellent
1. Explained motivation for design	1	2	3	4	(5)
2. Summarized scope of design problem	1	2	3	4	(5)
3. Presented market analysis	1	2	3	(4)	5
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Individual Assessment

Mark X in areas that are AVG. or BELOW AVG.

Name:	Invidual Presentation Score: (1-5 as above)	Well Pr	Eye Co	Voice Q	Body L	Questions
1. Rachel	4			X	X	
2. 2nd presenter	5					
3. Maura	4					
4. 1st presenter	4		X			
5.						
6.						

Comments:

One thing the group did particularly well: Explained the current designs and design plan well

One thing that could be improved: Too much text per slide

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Team RACE

Question 1:
How big is the hobbyist market you're dealing with?

Question 2:
Will the user interface involve just a computer interface, or some physical remote or steering wheel?

Team Name: Epilepsy

Question 1:
What criteria will you follow to ensure the device is safe?

Question 2:
Will there be any in vivo testing?

Team Name: Eagle Eye

Question 1:
How will the size of the vest be adjusted?

Question 2:
How long will it take the user to be able to use the vest effectively?

Team Name: 5 Guys & Ribeyes

Question 1:
How many types of meat thickness will this work for?

Question 2:
Do you plan to make a full gradient of temperature readings, or report temperatures @ specific locations?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Team R.A.C.E

Question 1: What other products that combine RC and automation are there?

Question 2: What is the exact size of this RC motorcycle?

Team Name: Team Epilepsy

Question 1: Why are the current products only 60% reliable?

Question 2: How was the interaction with last years team?

Team Name: Eagle Eye

Question 1: How heavy is the vest? - Answered in the presentation

Question 2: What kind of responses will the vibrators be like and how does the customer understand the vibration patterns?

Team Name: Team Carpe Diem

Question 1: What is the current efficiency value?

Question 2: How much cost do you expect to add to the product with your improvements?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Epilepsy

Question 1: Where does the power source come from?

Question 2: Will the customer. Know when the product is treating them?

Team Name: Eagle eye

Question 1: How long would it take for the customer to understand vibration as sight?

Question 2: How will you mount the camera and communicate between the camera and the vest?

Team Name: Five Guys and Ribeyes

Question 1: Is the least cooked part of the steak always near the middle of the steak?

Question 2: Is there overlap in your markets (grilling enthusiasts + Tech foodie...)?

Team Name: Carpe Diem

Question 1: Frictional losses might be harder to compensate for at smaller sizes, will the 68% apply to all models.

Question 2:

Team Name:

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Team R.A.C.E.

Question 1: What other markets can this appeal to besides hobbyists in its current iteration?

Question 2: Are there weight concerns because of all these sensors and processors? Won't that slow the bike, and cause it to be unstable?

Team Name: Team Epilepsy

Question 1: What sort of dangers are associated with false positives?

Question 2: How will this device be tested? Do you have a test/fake brain to try on?

Team Name: Team Eagleeye

Question 1: ~~How heavy would this device be?~~ With so many competitors already in the market, is this product enough to compete?

Question 2: How to take visual sensor data?

Team Name: Team Carpal Diem

Question 1: You addressed the uselessness of the thumb on the raptor hand, how will you improve this

Question 2: How will this help children who have lost more than just the wrist? (e.g. the forearm)

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Epilepsy

Question 1: The cost?

Question 2: Could learning be done off-line?

Team Name: Eagle eye

Question 1: Sensitivity of the device

Question 2: If an individual is obese, does he or she need more sensors?

Team Name: Five Guys & Ribeyes

Question 1: Method for gradient?

Question 2: Will the sensors heat-proof?

Team Name: Raptor hand

Question 1: Are the materials safe to children?

Question 2: What year range is the produce designed for?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Team Epilipsy

Question 1: What is cost of device?

Question 2: Will the Signals be travelling to Doctor?

Team Name: Eagle-eye

Question 1: Why not subsitute sight with audio instead of touch?

Question 2: How cumbersome will the vest be? Will it grow with the user?

Team Name: Five Guys & Ribeye

Question 1: Why does Head chef have a lower willingness to pay than Grilling enthusiast.

Question 2: What range of temperature will the typical sensor reading give you for a reading?

Team Name: Carpal Diem

Question 1: Will any Batteries power the design or will it be fully human powered?

Question 2: Can you put the prosthetic with the other hands prosthetic? Enough grip so user can be themselves equip their selves with their other prosthetic.

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

GM

Team Name: TEAM EPILEPSY

Question 1: WILL THE IMPLANT OCCUR VIA AN EXPENSIVE SURGERY?

Question 2: DO YOU SEE SIZE OR ALGORYTHM DEVELOPMENT AS YOUR BIGGEST CHALLENGE?

Team Name: TEAM EAGLE EYE

Question 1: WHY USE 32 VIBRATION ACTUATORS? CAN YOU USE LESS?

Question 2: HOW HEAVY WOULD YOU ESTIMATE VESTS TO BE? IS IT ONE SIZE FITS ALL?

Team Name: FIVE GUYS AND RIBEYES

Question 1: GIVEN THE SIZES (VARIATION W SIZES) OF MEATS, WHAT IS THE MAXIMUM STEAK THICKNESS THAT WILL BE READ BY THERMOMETER?

Question 2: CAN THIS THERMOMETER WITHSTAND HIGH TEMPERATURES? ARA, CAN IT BE LEFT IN GRILL W/OUT HARDWARE FAILURE?

Team Name: CARPAL DIEM : SIEZE THE DATA

Question 1: WILL THIS BE ONE-SIZE-FITS-ALL OR NEED SPECIALIZATION?

Question 2: WHAT MATERIALS WILL IT BE MADE OF?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Team Epilepsy

Question 1: How much will such a device cost?

Question 2: Will the device need any maintenance/~~re-~~follow up surgeries after initial implementation?

Team Name: Team Eagle Eye

Question 1: Will the device's cost be able to be wholly or partially covered by health insurance?

Question 2: Will the device have user-interchangeable batteries?

Team Name: Five Guys & Ribeyes

Question 1: Would the remote monitoring be able to tell you whether the food is sufficiently cooked (i.e. compare to an included database of safe ~~cooking~~ meat temperatures)?

Question 2: ~~Would there be~~ Is the position of the different sensors adjustable?

Team Name: Carpal Diem

Question 1: Will the hand be waterproof?

Question 2: ~~Will the hand be easy to repair if~~ Will the hand be easy to repair if the child accidentally breaks it?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Team Race

Question 1: Do any current automated RC motorcycles exist

Question 2: How much do typical RC vehicles cost?

Team Name: Team Epilepsy

Question 1: How much do current epilepsy solutions cost

Question 2: What have the previous groups discovered?

Team Name: Eagleye

Question 1: How much will product cost?

Question 2: What features do customers want?

Team Name: Team Carpal Diem

Question 1: How long does it take for children to outgrow the hand

Question 2: How much will your product cost?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: TEAM RACE

Question 1: IS THERE A PROBLEM YOU ARE TRYING TO SOLVE, OR ARE YOU JUST TRYING TO IMPROVE THE TECHNOLOGY?

Question 2: HOW BIG IS THE BIKE? AND HOW LARGE IS THE HOBBIEST MARKET?

Team Name: EPILEPSY

Question 1: HOW MUCH WILL THE DEVICE COST?

Question 2: WILL THIS DEVICE HAVE TO BE REPLACED?

Team Name: EAGLE EYE

Question 1: WILL THIS WORK FOR BOTH PEOPLE WHO WERE BORN BLIND AS WELL AS THOSE THAT LOSE THEIR SIGHT LATER IN LIFE?

Question 2: HOW DID YOU COME UP WITH $2M CUSTOMERS

Team Name: TEAM CARPAL DIEM

Question 1: SO THE CHILDREN NEED A RIST?

Question 2:

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Team RACE

Question 1: Is the motivation for this project strictly recreational? For tackling the challenge?

Question 2: Is the new interface feasible given the timeline? Perhaps it should be considered as a stretch goal. Any target price for the final product in mind?

Team Name: Team Epilepsy

Question 1: How did you decide on the type of epilepsy? (intractable)

Question 2: How will you test your device? ... across various people?

Team Name: Team Eagleye

Question 1: How will your product outperform the competition? Why will yours be more attractive?

Question 2: Will vest be very noticeable or subtle when wearing? Will vibrations become annoying? Have you considered alternatives to vibrations?

Team Name: Team Carpal Dicm

Question 1: Product limited to hand amputees or can the hand be extended to include forearm?

Question 2: Is the hand weather proof/weather resistant?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Team Race

Question 1: Are there comparable products currently available/ is anyone else trying to develop this?

Question 2: What is the long-term use for/impact of your project?

Team Name: Team Epilepsy

Question 1: How much does the device cost?

Question 2: At what point is next year's senior design team supposed to take over?

Team Name: Team Eagle Eye

Question 1: What is the concrete end product of this project?

Question 2: What is the comparable cost of your vest vs. other vests in construction? If the cost is $800, why sell for $3500

Team Name: Team 5 Guys & Ribeyes

Question 1: How effective are current meat thermometers? How do you keep accuracy & price in mind @ the same time?

Question 2: Does the whole project & thermometer singlehandedly focus on meat? Even if there are other applications, it doesn't seem accessible till the end.

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Team R.A.G.E.

Question 1:

- what size are we working w/? └ are there people on this bike?

Question 2:

- what differentiate you from your competitors
- by developing this technology what opportunities does it open up for the general public?

Team Name: Team Epilepsy

Question 1:

- what limitation & challenges do you see FDA / health regulations causing in your design process?

Question 2:

- How do you plan to test this?
- what "hardware" did the previous senior design team provide?

Team Name: Eagle eye

Question 1:

How did you come up w/ 2 million expected market size from total 30 million pop.

Question 2:

How aesthetic / obviously present will the vest & camera be?

Team Name: Five guys & Ribeyes

Question 1: What is the difference b/w having a normal meat thermometer or your design if thermometers are just not being used

Question 2: How do you intend to add so much technology/sensing for so much less than low functioning options?

Team Name: Carpal Diem

Question 1:

:) N/A

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: R.A.C.E

Question 1:
What is the current cost of competitors or the current products on the market?

Question 2: What type of sensor data will you take in your automated system?

Team Name: Eagle Eye

Question 1: What were the challenges that last year's VEST team faced and how do you think your challenges will be similar / different.

Question 2: Sensory replacement sounds really interesting. How exactly does one convert vision to touch? Walk me through a sound one and the resulting vibration?

Team Name: Fine Guys and Ribeyes

Question 1: Your specs: fast setup time, wireless, smartphone integration, gradient, price, which of these do you think is most important to the consumer and why?

Question 2: You mentioned point-info not enough => cross section. Even the cross section is not the entire piece of meat. Is this enough info?

Team Name: Carpal Diem

Question 1: How could this design be extended to patients without forearms?

Question 2: What sort of tests are involved in the tests efficiency?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: TEAM R.A.C.E

Question 1: How big will your device be?

Question 2: How fast will your device go?

Team Name: Team Eagle Eye

Question 1: How far can you see (in units of length)?

Question 2: What features from images would you extract for object recognition?

Team Name: Team five guys & ribeyes

Question 1: How will your device adapt to other cooking environments (i.e. cooking, grilling, frying, boiling)?

Question 2: What is the battery life of your product?

Team Name: Team Carpe Diem

Question 1: How easy is it to control individual fingers as opposed to having the whole hand close and open?

Question 2: Is it just a hand or would you add an arm?

Team Name: _____

Question 1:

Question 2:

DURING the presentation, each student is to write down ATLEAST 2 questions that they would like to ask each presenting group. These will be distributed to teams

Team Name: Team R.A.C.E

Question 1: What are current existing solutions being developed?

Question 2: Where can hobbyists use this? Do they have to go to a track?

Team Name: Epilepsy

Question 1: How long would the product be good for?

Question 2: What is the safety feature if the product keeps accidentally shocking the patient

Team Name: Eagle Eye

Question 1: What is the usability of the vest? Would it not be vibrating almost constantly in most settings?

Question 2: What happens if the battery runs out while it's in use?

Team Name: Five Guys and Ribeyes

Question 1: What will the data visualization be like?

Question 2: can the product be scaled to other foods? Like baking cakes?

Team Name: _____

Question 1:

Question 2: