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|  | **RESEARCH AND IDEA Grading Criteria - Assessment** | | | | | | |
| Group Name: | 1 to 2 | 3 to 4 | 5 to 6 | 7 to 8 | 9 to 10 | Raw Score | Raw Score / 10 \* Percent |
| **(10%) Presentation** (PPT, verbal and non-verbal communication, professionalism) | **- Slides Unprofessional**, no time invested.  - Many **full, long** sentences  - **No use** of images, videos, demos, diagrams, and tables.  - **Font sizes** overwhelmingly small and unreadable  **- Speaking unclear**, mumbling  **- Fidgeting**, constant movement hands/feet  **- Team members did not show any collaboration or efforts of preparation prior to the presentation**  ***None*** *or very poor use of*  **- Gestures**  **- Facial expressions**  **- Body movements,** *detracted* from the defense process  - **Informal sentences**  **- Negative connotation sentences**  **- Volume inappropriate**  **- Non-verbal communication *un*enthusiastic**  **- *Not* addressing audience**  **- *Not* answering questions directly**  **- Interrupts/hurries (Q&A);**  **Reference and citations not found**  **Presents much shorter or longer than the time limit (15mins + Q&A)** |  | - **Slides ordinary**, semi-professional  - **Slides without aspects** that may **catch** the **attention** of the audience.  - **Some use** of images, videos, demos, diagrams, and tables  - **Use text** sparingly but still some full, long sentences  **-** Some **font sizes** are unreadable  **- Speaking unclear**, lapses in sentence structure and grammar  - F**idgeting**, often movement hands feet  **- Some team members are collaborating in presentation**  ***Minimal*** *use of:*  - **Gestures**  **- Facial expressions**  **- Body movements,** *enhanced* defense  **- Informal words**  - **Few negative connotations** sentence  - **Volume uneven** (varied)  **- Non-verbal communication *little* enthusiastic**  - ***Vaguely*** addresses audience  - ***Vaguely*** answers questions.  - **Interrupts/hurries (Q&A) *few times***  **References and citations found**  **Presents shorter or longer than the time limit (15mins + Q&A)** |  | - **Slides Excellent**  - **Only necessary words and images**  **- Effective use of images, videos, demos, diagrams, table**  - Very **professional look** **catching attention** of the **audience**  - **Use text sparingly, keep your points short and precise**, allow the audience to understand the key points of your presentation  - **Font size** is kept adequate  -**Speaks clearly, distinctly**, no lapse in sentence structure and grammar  - **Speaks concisely** with correct **pronunciation**.  **- No fidgeting**  **- Team members are collaborating in presentation**  ***Consistent*** use of:  - **Gestures**  **- Facial expressions**  **- Body movements,** *enhanced* defense  **- Very formal sentences/words**  - **Focused on positivism** - **Volume:** business tone, passion and enthusiasm  - Non-verbal communication **enthusiastic**.  - ***Clearly*** addresses audience  - ***Accurately*** answers questions.  - ***Never*** interrupts/hurries **(Q&A)**  **References and citations found**  **Presents within the specified time limit, showing good preparation (15mins + Q&A)** |  |  |
| **(20%) Description** (Description of the team role, problem, related work,) | ***Shows no* description of:**  *-who did what (i.e., not clear to me on the contribution of each member)*  ***Shows no* description of:**  *-what questions you addressed*  ***Shows no description of*:**  -Related work  **Lack description on:**  -Methodologies of related work.  -Summarized results of related work |  | ***Shows vague* description of:**  *-who did what (i.e., still not so clear on team member roles)*  ***Somehow*** **describes:**  *- what questions you addressed*  ***Briefly elaborates:***  - Related work but still lack a sufficient understanding on the selected topic  **Little description on:**  -How *past work do their research*.  -Summarized results of related work. |  | ***Shows clear* description of:**  *-who did what (clear on members’ roles and that everyone is equally contributing)*  ***Fully and clearly*** describes:  - *what questions you addressed, with well-supported evidence*  ***Able to elaborate*** the current related work, what has been done, and what needs to be further done, with well supported evidence  **Clear and precise description on:**  -How *past work do their research*  -Summarized results of related work, with well supported evidence |  |  |
| **(35%) Analysis** (critical thinking abilities, analyzing the challenges and problem and provide insights) | ***Unable* to identify relevant related work**, adding confusion to audience  ***Unable* to critically analyze**, compare and contrast existing related work  ***Unable* to identify challenges/limitations/gap** of current past work  ***Unable* to identify what is the key problem** of the domain |  | **Identify a few relevant related work (at least 5 CHI 2019 papers)**  ***Able* to critically analyze a few points** of comparison and contrast among existing related work  **Somewhat able to identify challenges/limitations/gap** of current past work but still very lacking  **Somewhat tries to identify what is the key problem** of the domain but is not adequately deep |  | **Clearly identify relevant related work (at least 10 CHI 2019 papers)**  ***Able* to critically analyze key points of comparison and contrast** among existing related work, providing clear evidence  ***Able* to identify challenges/limitations/gap** of current past work with well-supported evidence  ***Able* to provide an in-depth analysis** on what is the key problem of the domain, with well-supported evidence |  |  |
| **(35%) Prescription** (vision, long-term analysis, future work, potential solution, recommendations and suggestions,) | **Did not show understanding** on what needs to be done next in order to advance the field  **Unable to connect the dots between the motivation of the problem** and **potential solution**  **Did not motivate the key challenge** to be solved in order to address the problem  **Did not provide any creative suggestions/recommendation**s on potential future work  **Provide only one potential solution**  **Did not conclude clearly which solution is to be used** |  | **Show some understanding** on what needs to be done next in order to advance the field  **Vaguely connect the dots between the motivation of the problem** and **potential solution**  **Somewhat motivates the key challenge** to be solved in order to address the problem  **Provide a few creative suggestions/recommendations** on potential future work  **Provide a few potential solutions**  Unconvincingly **conclude which solution is to be used** |  | **Show great understanding** on what needs to be done next in order to advance the field  **The problem** is well motivated and scoped and are able to **connect the dots between the given problem and potential solution**.  **Clearly motivates the key challenge** to be solved in order to address the problem  **Provide excellent suggestions/recommendations** on potential future work  Provide several promising, convincing **alternative solutions**  **Provide critical comparisons** between these solutions and convincingly **conclude the solution to be used in this project** |  |  |
|  |  |  |  |  |  | Total\* |  |

\*The percent will be converted into 10% for your final grade

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|  | **PROTOTYPE Grading Criteria - Assessment** | | | | | | |
| Group Name: | 1 to 2 | 3 to 4 | 5 to 6 | 7 to 8 | 9 to 10 | Raw Score | Raw Score / 10 \* Percent |
| **(10%) Presentation** (PPT, verbal and non-verbal communication, professionalism) | **- Slides Unprofessional**, no time invested.  - Many **full, long** sentences  - **No use** of images, videos, demos, diagrams, and tables.  - **Font sizes** overwhelmingly small and unreadable  **- Speaking unclear**, mumbling  **- Fidgeting**, constant movement hands/feet  **- Team members did not show any collaboration or efforts of preparation prior to the presentation**  ***None*** *or very poor use of*  **- Gestures**  **- Facial expressions**  **- Body movements,** *detracted* from the defense process  - **Informal sentences**  **- Negative connotation sentences**  **- Volume inappropriate**  **- Non-verbal communication *un*enthusiastic**  **- *Not* addressing audience**  **- *Not* answering questions directly**  **- Interrupts/hurries (Q&A);**  **References and citations found**  **Presents much shorter or longer than the time limit (15mins + Q&A)** |  | - **Slides ordinary**, semi-professional  - **Slides without aspects** that may **catch** the **attention** of the audience.  - **Some use** of images, videos, demos, diagrams, and tables  - **Use text** sparingly but still some full, long sentences  **-** Some **font sizes** are unreadable  **- Speaking unclear**, lapses in sentence structure and grammar  - F**idgeting**, often movement hands feet  **- Some team members are collaborating in presentation**  ***Minimal*** *use of:*  - **Gestures**  **- Facial expressions**  **- Body movements,** *enhanced* defense  **- Informal words**  - **Few negative connotations** sentence  - **Volume uneven** (varied)  **- Non-verbal communication *little* enthusiastic**  - ***Vaguely*** addresses audience  - ***Vaguely*** answers questions.  - **Interrupts/hurries (Q&A) *few times***  **References and citations found**  **Presents shorter or longer than the time limit (15mins + Q&A)** |  | - **Slides Excellent**  - **Only necessary words and images**  **- Effective use of images, videos, demos, diagrams, table**  - Very **professional look** **catching attention** of the **audience**  - **Use text sparingly, keep your points short and precise**, allow the audience to understand the key points of your presentation  - **Font size** is kept adequate  -**Speaks clearly, distinctly**, no lapse in sentence structure and grammar  - **Speaks concisely** with correct **pronunciation**.  **- No fidgeting**  **- Team members are collaborating in presentation**  ***Consistent*** use of:  - **Gestures**  **- Facial expressions**  **- Body movements,** *enhanced* defense  **- Very formal sentences/words**  - **Focused on positivism** - **Volume:** business tone, passion and enthusiasm  - Non-verbal communication **enthusiastic**.  - ***Clearly*** addresses audience  - ***Accurately*** answers questions.  - ***Never*** interrupts/hurries **(Q&A)**  **References and citations found**  **Presents within the specified time limit, showing good preparation (15mins + Q&A)** |  |  |
| **(20%) Concept** (Rationale, concept, and expected outcome of the solution) | ***Shows no* description of:**  *- the rationale of the solution, e.g., why you choose solution A rather than solution B*  *- the scenario you plan to use*  *- why you think it will work*  *- design principles behind the idea*  ***Shows no description of*:**  - *the desired goal of the solution and also, what is NOT the goal of the solution*  ***Shows no description of*:**  - *expected outcome of the solution*  ***Lacks novelty*** |  | ***Shows some but illogical* description of:**  *- the rationale of the solution, e.g., why you choose solution A rather than solution B*  *- the scenario you plan to use*  *- why you think it will work*  *- design principles behind the idea*  ***Shows some but illogical* *description of*:**  - *the desired goal of the solution and also, what is NOT the goal of the solution*  ***Shows some but illogical* *description of*:**  - *expected outcome of the solution*  ***Borderline novelty*** |  | ***Shows logical* description of:**  *- the rationale of the solution, e.g., why you choose solution A rather than solution B*  *- the scenario you plan to use*  *- why you think it will work*  *- design principles behind the idea*  ***Shows logical* *description of*:**  - *the desired goal of the solution and also, what is NOT the goal of the solution*  ***Shows logical* *description of*:**  - *expected outcome of the solution*  ***Adequate novelty*** |  |  |
| **(35%) Implementations** (architecture, hardware, software) | Shows no description of the **architecture**  Shows no description of **detailed implementations – hardware and software wise**  Shows no description of **how you fabricate** or obtain hardware materials, if any.  Shows no description of **the technical challenges** you face and how you solve it  Did not show enough description such that **one can replicate your implementation**. |  | Somewhat describes the **architecture**  Somewhat describes **detailed implementations – hardware and software wise**  Somewhat describes **how you fabricate** or obtain hardware materials, if any.  Somewhat describes **the technical challenges** you face and how you solve it  Vaguely provides enough description such that **one may or may not able to replicate your implementation**. |  | Clearly describes the **architecture**  Clearly describes **detailed implementations – hardware and software wise**  Clearly describes **how you fabricate** or obtain hardware materials, if any.  Clearly describes **the technical challenges** you face and how you solve it  Clearly provides enough description such that **one can replicate your implementation**. |  |  |
| **(35%) Prototypes** (demo and working prototypes) | **No working prototype or only low/high-fidelity prototype** |  | **An interactive sketch prototypes**  **Shows loose/no connection** between the concept proposed above and the prototype  The prototype is **partially sufficient** for the evaluation phase  **Demonstrate some amount of effort** from the certain team member |  | **Demonstrates a convincing, working prototype (not necessarily fully functional)**  **Shows tight connections** between the concept proposed above and the prototype  The prototype is **sufficient** for the evaluation phase  **Demonstrate great effort from the whole team** |  |  |
|  |  |  |  |  |  | Total\* |  |

\*The percent will be converted into 15% for your final grade

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|  | **EVALUATION AND COMMUNICATION Grading Criteria - Assessment** | | | | | | |
| Group Name: | 1 to 2 | 3 to 4 | 5 to 6 | 7 to 8 | 9 to 10 | Raw Score | Raw Score / 10 \* Percent |
| **(10%) Presentation** (PPT, verbal and non-verbal communication, professionalism) | **- Slides Unprofessional**, no time invested.  - Many **full, long** sentences  - **No use** of images, videos, demos, diagrams, and tables.  - **Font sizes** overwhelmingly small and unreadable  **- Speaking unclear**, mumbling  **- Fidgeting**, constant movement hands/feet  **- Team members did not show any collaboration or efforts of preparation prior to the presentation**  ***None*** *or very poor use of*  **- Gestures**  **- Facial expressions**  **- Body movements,** *detracted* from the defense process  - **Informal sentences**  **- Negative connotation sentences**  **- Volume inappropriate**  **- Non-verbal communication *un*enthusiastic**  **- *Not* addressing audience**  **- *Not* answering questions directly**  **- Interrupts/hurries (Q&A);**  **References and citations found**  **Presents much shorter or longer than the time limit (15mins + Q&A)** |  | - **Slides ordinary**, semi-professional  - **Slides without aspects** that may **catch** the **attention** of the audience.  - **Some use** of images, videos, demos, diagrams, and tables  - **Use text** sparingly but still some full, long sentences  **-** Some **font sizes** are unreadable  **- Speaking unclear**, lapses in sentence structure and grammar  - F**idgeting**, often movement hands feet  **- Some team members are collaborating in presentation**  ***Minimal*** *use of:*  - **Gestures**  **- Facial expressions**  **- Body movements,** *enhanced* defense  **- Informal words**  - **Few negative connotations** sentence  - **Volume uneven** (varied)  **- Non-verbal communication *little* enthusiastic**  - ***Vaguely*** addresses audience  - ***Vaguely*** answers questions.  - **Interrupts/hurries (Q&A) *few times***  **References and citations found**  **Presents shorter or longer than the time limit (15mins + Q&A)** |  | - **Slides Excellent**  - **Only necessary words and images**  **- Effective use of images, videos, demos, diagrams, table**  - Very **professional look** **catching attention** of the **audience**  - **Use text sparingly, keep your points short and precise**, allow the audience to understand the key points of your presentation  - **Font size** is kept adequate  -**Speaks clearly, distinctly**, no lapse in sentence structure and grammar  - **Speaks concisely** with correct **pronunciation**.  **- No fidgeting**  **- Team members are collaborating in presentation**  ***Consistent*** use of:  - **Gestures**  **- Facial expressions**  **- Body movements,** *enhanced* defense  **- Very formal sentences/words**  - **Focused on positivism** - **Volume:** business tone, passion and enthusiasm  - Non-verbal communication **enthusiastic**.  - ***Clearly*** addresses audience  - ***Accurately*** answers questions.  - ***Never*** interrupts/hurries **(Q&A)**  **References and citations found**  **Presents within the specified time limit, showing good preparation (15mins + Q&A)** |  |  |
| **(30%) Methodology** (IV, DV, tasks, order effects, measurements) | ***Shows no* description of:**  *- Independent and dependent variables*  *- Rationale why these variables are picked*  ***Shows no description of*:**  - *Tasks and procedure*  *- Blocks, if any*  *- How you control order effects, if any*  *- Rationale why you design your experiment like this*  ***Shows no description of*:**  - *What is apparatus or tools for measurement*  *- No supported evidence why you pick these measurements*  ***Lacks validity analysis – external, internal, and construct validity*** |  | ***Shows unclear* description of:**  *- Independent and dependent variables*  *- Rationale why these variables are picked*  ***Shows unclear description of*:**  - *Tasks and procedure*  *- Blocks, if any*  *- How you control order effects, if any*  *- Rationale why you design your experiment like this*  ***Shows unclear description of*:**  - *What is apparatus or tools for measurement*  *- Vague evidence why you pick these measurements*  ***Shows some description of validity analysis – external, internal, and construct validity*** |  | ***Shows* description of:**  *- Independent and dependent variables*  *- Rationale why these variables are picked*  ***Shows description of*:**  - *Tasks and procedure*  *- Blocks, if any*  *- How you control order effects, if any*  *- Rationale why you design your experiment like this*  ***Shows description of*:**  - *What is apparatus or tools for measurement*  *- Supported evidence why you pick these measurements*  ***Shows description of validity analysis – external, internal, and construct validity*** |  |  |
| **(30%) Experiment and Analysis** (Conducting experiment and data analysis) | Did not conduct the experiment |  | Conduct the experiment but with less than 12 participants  Collect incomplete information of participants’ demographical information  Did not properly collect user logs or data, if any  Somewhat perform statistical analysis but incomplete or inappropriate |  | Conduct the experiment with at least 12 participants  Collect information of participants’ demographical information  Properly collect user logs or data, if any  Perform sound statistical analysis |  |  |
| **(30%) Report** (Communicating your results clearly and succinctly) | Did not submit a report |  |  |  | **The 4-10 pages paper contains all the following sections:**  **Abstract** succinctly defines the problem, what you did, what are your key findings, and implications.  **Introduction** expand the abstract, detailing the problems, why we need to solve it, what is your general approach/solution, what are your key findings, and the significance of the work.  **Related work** clearly describes relevant past work, all pointing to a “gap” in research in which motivates current research and its novelty.  **Devices/Interaction Techniques/Systems/Applications** define the design goal, rationale, design principles, why it is so hard, architecture, and engineering processing, if any.  **Study** describes the hypothesis, experimental design (IV, DV, order effects, task and procedure), participants, apparatus, procedure, and metrics  **Results** describes the statistical results.  **Discussion and conclusion** discuss the key findings, any ambiguous results, design implications/guidelines, future work, and limitations. |  |  |
|  |  |  |  |  |  | Total\* |  |

\*The percent will be converted into 15% for your final grade