Research Poster Guidance

What Does a Poster Typically Include?

Title, Authors, and Affiliations

Background and Rationale

- What are the implications of this research in its field/other fields?
- Why was the study conducted?
- What are the aims of the study?

Methodology

- Briefly describe the approach used to answer your question.
- Do not fill this section with miscellaneous details. Give an overview of what was done.
- If possible, use a schematic to give a visual representation of your methods instead of words.
- Be sure to cite any publication that you adopted methodologies from.

Results

- Present, but do not explain, the outcome of your approach.
- Graphs and figures must be accompanied by a figure legend so that they understandable standing alone.
- Figures must be large enough to be viewed from a distance.

Discussion, Conclusions, and Future Directions

- Provide an interpretation and/or analysis of the results.
- What do they mean?
- How does this help or not help your research?
- What future inquiries could be made from these conclusions?

Acknowledgements

- List people and/or organizations that mentored the research (Ma2JIC & Mentors)
- Acknowledge collaborators that provided ideas to the study.
- Include resources.

POSTER PREPARATION GUIDELINES

- Each poster should include:
  1. Title Banner – Including the title, author(s), and department(s). The entrant must be the first author listed.
  2. Introduction – A clear and concise statement of the rationale, hypothesis, and justification for the project, the objectives of the research, and general approach.
  3. Materials and Methods – An outline of the key materials and methods defining
how the experiment or study was conducted.

4. Results – Tables, figures, photos, etc., showing and documenting experimental findings and analyses.

5. Conclusions and Discussion – A statement of the conclusions from the study results and a brief explanation of the study’s scientific rigor, discoveries and their significance, and congruence (or lack of) with the body of scientific knowledge. May included the next steps for the research or project.

6. Acknowledgments and References – A brief acknowledgment of other contributors who are not authors, and key literature references to the study, if required.

**Research Presentation Guidance**

**What is a research presentation?**
A research presentation is a means to communicate your findings, insights, and discoveries to an audience. It's your opportunity to showcase your expertise and share the results of your hard work.

**Purpose of the research presentation**
All projects are funded by our Ma2JIC members, please explain your research and the need/industrial relevance.

**What should your research presentation include?**

**Introduction:** This is where you introduce your topic, explain its significance, and clearly state your research question or hypothesis. Think of it as setting the stage for the story you're about to tell.

**Background:** The background section is your opportunity to equip your audience with the necessary context to grasp the intricacies of your research. This may encompass discussions on relevant theories, prior research, and fundamental concepts that lay the foundation for your work.

**Methodology:** This section provides an insight into the "how" of your research. Share the methods you employed in conducting your research, such as data collection techniques, sampling procedures, and your chosen methods of analysis.

**Results:** With the methodology unveiled, it's time to present the star of the show—your findings. This section is where you shine a spotlight on your results, delivering them in a clear and concise manner. Visual aids, such as tables, graphs, and other visuals, can be invaluable allies in communicating your results effectively.
Conclusion: In the grand finale of your presentation, it's time to bring the pieces together. Summarize your main points, reiterate the importance of your research, and leave your audience with a lasting impression.

In addition to your research, include a slide or two on the following (this is more applicable to high school students):

1. What did you gain from this internship professionally/academically.
2. How has this influenced your academic/professional goals? What are your next steps.
3. Why was this internship important to you/why should we keep hosting interns.

Q&A session: Provide an opportunity for engagement and clarification through a Q&A session. Allow your audience to ask questions, offer feedback, and explore the nuances of your research.

Contact information: incase anyone has questions or wants to discuss future opportunities with you.