

Sara Moin

Created Jan 23Jan 23 (Edited Jan 23)

Dear All,

**You are required to attend this event as it promises to be very interesting. The seminar will explore the use of LLM models. you can also explore LLM for your class projects. "Your attendance will be noted".**

**We cordially invite you to the seminar on:**

**Title : LLMs for Everybody: How inclusive are the LLMs today and Why should we care?**

**Guest Speaker: Prof. Monojit Choudhury**

**Date: 24th January 2024 (Wednesday)**

**Time: 09.30-10.30 AM (IST)**

**Venue: A:006, R&D Block**

**Abstract:**

Large Language Models (LLMs) have revolutionized the field of NLP and natural human-computer interactions; they hold a lot of promise, but are these promises equitable across countries, languages and other demographic groups? Research from our group as well as from around the world is constantly revealing that LLMs are biased in terms of their language processing abilities in most but a few of the world's languages, cultural awareness (or lack thereof) and value alignment. In this talk, I will highlight some of our recent findings around value alignment bias in the models and argue why we need models that can reason generically across moral values and cultural conventions.

**We will also discuss some of the opportunities for students at postgraduate, PhD and Postdoctoral levels at the newly founded MBZUAI university.**

**Bio of the Speaker** Monojit Choudhury is a professor of Natural Language Processing at Mohd bin Zayed University of Artificial Intelligence (MBZUAI), Abu Dhabi. Prior to this, he was a principal scientist at Microsoft Research Lab and Microsoft Turing, India. He is also a professor of practice at Plaksha University, and an adjunct professor at IIIT Hyderabad. Prof Choudhury's research interests lie in the intersection of NLP, Social and Cultural aspects of Technology use, and Ethics. In particular, he has been working on multilingual aspects of large language models (LLMs), their use in low resource languages and making LLMs more inclusive and safer by addressing bias and fairness aspects. Prof Choudhury is the general chair of Indian national linguistics Olympiad and the founding co-chair of Asia-Pacific linguistics Olympiad. He holds a BTech and PhD degree in Computer Science and Engineering from IIT Kharagpur.

Guidelines for Project Development:

1. Emphasis on HCI Tools and Techniques:

- Ensure the project incorporates fundamental HCI tools and techniques for building Interactive Systems.
- Focus on practical tools and techniques that can be readily applied in system development.

## 2. Hands-On Practice:

- Provide opportunities for hands-on practice of applying HCI tools and techniques.
- Integration of in-class activities, assignments, and projects to facilitate practical learning experiences.

## 3. CS-Based System Development:

- The project should center around Computer Science principles, particularly emphasizing System Development methodologies.
- Encourage the application of software engineering practices and principles in project implementation.

## 4. Direct Interaction with Humans:

- Ensure the project includes a significant component involving direct interaction with human users.
- Design user interfaces and experiences, prioritizing user needs, preferences, and usability.

## 5. Collaborative and Iterative Approach:

- Encourage collaborative work among team members to foster diverse perspectives and problem-solving approaches.
- Emphasize an iterative development process, allowing continuous feedback and refinement based on user interactions and evaluations.

## 6. Integration of Research and Practical Application:

- Promote the integration of research findings and theoretical concepts into practical project implementations.
- Encourage students to explore emerging trends and best practices in HCI and apply them to their project designs.

## 7. Evaluation and Reflection:

- Incorporate mechanisms for evaluating project outcomes, including usability testing, heuristic evaluations, and user feedback.
- Encourage reflective practices where students analyze their design decisions, successes, and areas for improvement.



## Announcement: "Dear students, Please note that queries..."

Sara Moin

Created Mar 13Mar 13

Dear students,

**Please note that queries will not be entertained via personal email. If you have any doubts or questions, kindly attend office hours or raise them in the Google Classroom.**

My Office hours are Friday, 4:00 pm to 5:00 pm @A514,

R&D building

Cyrus's office hours are 2-3 pm every Monday at A-416 CI Lab, R&D building.

Prajna's office hours 3-4 pm on Tuesdays @CI Lab, R&D building.

Sara Moin

Created Mar 13Mar 13

Dear team,

I'd like to inform you that we will be having project idea presentations on Wednesday, March 20th. Each presentation **should not exceed 5 minutes**.

Instructions:

1. You have to only present the final idea and not have more than 5-6 slides.
2. Please add your final slides to

<https://docs.google.com/presentation/d/1q39g5mgjfKHjyV4Bib6rXdx6qNJnc7Z0ASh2ZhH9JxA/edit?usp=sharing>

3. Only our computer will be connected, so, make sure that you have added your slides before 9:00 a.m. on 20th March. No updates will be added after 9:00 a.m.

4. Phase 1 is evaluated based on 10 marks. 5 marks for slides + 5 marks for presentation.

The sequence can be seen here (as per the order chosen by you)

[https://docs.google.com/spreadsheets/d/1EHDam\\_q784RySFA8vHYNdPA7ctKbf5M2Edgw5xvii2w/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1EHDam_q784RySFA8vHYNdPA7ctKbf5M2Edgw5xvii2w/edit?usp=sharing)

Kalpna Shankhwar

Created Apr 5Apr 5

Dear Students,

You will be having a group discussion about a research paper in class tomorrow. You will be discussing the paper about its research objectives, methodologies, research outcomes and shortcomings of the developed system in terms of design perspective. Each group will be having a representative to provide the collective comments from the group members. Therefore, please read the attached research paper thoroughly by today.



[MR-based welding tutorial system.pdf](#)  
[PDF](#)



## Announcement: "Dear All, Midterm project evaluation..."

Sara Moin

Created Apr 10Apr 10

Dear All,

Midterm project evaluation presentation will take place on 19th April.

Prepare a PowerPoint presentation for the midterm evaluation of your project. The presentation should summarize the progress made during the project's first phase, highlight key accomplishments and challenges, and outline plans for the remainder of the project.

- Ensure that the presentation consists of no more than 10 slides.

Slide Content:

Project Overview

- Brief overview of project objectives and scope
- Summary of work completed during the first phase

Progress Report

- Highlights of key accomplishments and milestones
- Challenges encountered and lessons learned
- Timeline of activities completed during the first phase

Mid-Fidelity Prototype

- Showcase of the mid-fidelity prototype developed for the project
- Overview of key features and functionalities implemented

- Demonstration of the working prototype or demo
- Showcase of key features and functionalities

#### Testing

mid-fidelity prototype testing

#### Iterative Design Process

Description of the iterative design process followed during the mid-fidelity stage

Explanation of design decisions

#### Challenges and Solutions

Identification of challenges encountered during the mid-fidelity stage

Strategies implemented to address these challenges and ensure project success

#### Next Steps

Outline of key tasks and objectives for the upcoming project phase

Discussion of priorities and areas of focus moving forward

#### Assignment Evaluation Criteria:

- Clarity and organization of presentation slides
- Demonstrated understanding of project progress and accomplishments
- Analysis of challenges and lessons learned
- Effectiveness of communication and presentation delivery

Kalpana Shankhwar

Created Apr 11Apr 11

Dear Students,

You will be having another group discussion about a research paper in class tomorrow. You will be discussing the paper about its research objectives, methodologies, research outcomes and shortcomings of the developed system in terms of design perspective. During the discussion, you need to find out which sections of the paper cover the overall design process in four basic activities. Also discuss the aspects of accessibility, principles of universal design and 12 design principles (all from chapter 4) in this paper. For example, which principles have been considered in this paper and how the design of this interactive system can be improved. You can also discuss the difference between this paper and the previously discussed paper. The video of MR training is also attached which can help you in understanding the paper. Please read the research paper thoroughly by today.



[Visuo-haptic XR-based welding training.pdf](#)

[PDF](#)



[Welding training in MR.avi](#)  
[Video](#)

Sara Moin

Created Apr 28Apr 28

**Submission Guidelines:**

Dear Student,

For your end-of-semester project submission, you must prepare a poster and a PowerPoint presentation. Additionally, you will demonstrate the functionality of your project through a live working model.

Your presentation of the poster and PowerPoint slides and the demonstration of the working model will all be evaluated. Please ensure that you prepare each component diligently.

We have provided a sample poster template for your reference, but you can choose any other template that best suits your project and preferences.

Poster Templates are available at - **Poster Landscape** and **Poster Portrait**

## Poster

Sara Moin

•

Apr 28 (Edited Apr 28)

100 points

Due May 11, 10:00 AM

**Poster Design Instructions:**

1. Introduction:

- Begin with a captivating title that succinctly summarizes your project.
- Use a bold font and contrasting colors to make the title stand out.
- Include a brief overview of the project, highlighting its significance and relevance.

## 2. Related Work:

- Utilize bullet points or short paragraphs to describe each piece of related work.
- Can Include visuals such as graphs or diagrams to illustrate key points.
- Use color coding or icons to categorize different types of related work.

## 3. Methodology (Why this method only, not others):

- Use a flowchart or step-by-step process to outline your methodology.
- Clearly explain why you chose this particular method over others.
- Include brief descriptions of alternative methods and why they were not suitable.
- Use icons or illustrations to represent each methodology step for visual appeal.

## 4. Findings:

- Utilize graphs, charts, or infographics to present data visually.
- Include brief explanations or insights derived from the findings.
- Use color gradients or contrasting colors to make the findings visually striking.

## 5. Limitations:

- Use a separate section to discuss the limitations of the study.
- Clearly outline any constraints or challenges faced during the project.
- Offer suggestions for mitigating these limitations in future research.

## 6. Future Work:

- Use a forward-looking tone to discuss potential future research directions.
- Include bullet points or short paragraphs outlining specific areas for further exploration.
- Use icons or illustrations to represent each potential avenue for future work.

## 7. Conclusion:

- Summarize the key points of the project.
- Restate the significance of the findings and their implications.
- End with a call to action or a thought-provoking question to engage viewers.

## Design Tips:

- Use a cohesive color scheme throughout the poster to maintain visual harmony.
- Incorporate ample white space to avoid clutter and enhance readability.
- Choose fonts that easily read from a distance, such as sans-serif fonts.
- Use high-resolution images and graphics for optimal clarity.
- Ensure all text is legible by using appropriate font sizes and contrast.

# Final Project Presentation.

Sara Moin

•

Apr 28

100 points

Due Tomorrow

For a final project presentation, your slides should effectively communicate the key aspects of your project clearly and engagingly. Here is a suggested outline for your presentation slides:

Problem Statement:

- Description of the problem you aimed to address

Methodology

- Explanation of the approach or methodology used in the project

Implementation:

- Description of how the project was implemented or developed
- Any challenges faced during implementation and how they were addressed

Results and Findings:

- Presentation of key findings or results
- Use graphs, charts, or visuals to illustrate data

**\*\*Demo:\*\***

- **Live demonstration of the project (if applicable)**
- **Showcase the functionality and feature**

Future Work:

- Ideas for future enhancements or extensions of the project

Conclusion:

- Recap of the main points discussed
- Summary of contributions and significance

- Keep slides visually appealing with consistent formatting and a cohesive color scheme.
- Use bullet points or short sentences to convey information rather than long paragraphs.
- Limit the amount of text on each slide to ensure clarity and avoid overwhelming the audience.
- Practice your presentation multiple times to ensure smooth delivery and effective time management.(10-12 min)
- Be prepared to answer questions from the audience after your presentation.





## **Announcement: "Dear all, Your presentations will start..."**

Kalpana Shankhwar

Created 11:17 AM11:17 AM (Edited 11:39 AM)

Dear all,

Your presentations will start at 9:30 am on 11th May. Each group will be given 10 minutes for the presentation. Going beyond the time limit will be subjected to a reduction of 1 point from your score. You need to be available as per the sequence of your groups. The time slots for all the groups will be announced by today evening.

**Venue:** A106



Add class comment...



## **Announcement: "The clarity about poster submission It..."**

Sara Moin

Created 2:48 AM2:48 AM

### **The clarity about poster submission**

It should be in digital format. There is no requirement for a printed or physical poster. You must add a poster link or a QR code to the poster.