

BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY

Department of Computer Science and Engineering

L-4/T-1 CSE 409: Computer Graphics

Assignment: Exploratory Presentation on Advanced Graphics Topics

Objective

You are required to create a **presentation of approximately 10 frames** on an advanced topic in computer graphics that has not been covered in class. This assignment is designed to broaden your understanding of real-world techniques, cutting-edge research, and industry practices in modern computer graphics.

Instructions and Guidelines

- There are 50 topics** to choose from. The full list is available on the topic selection sheet.
- Each topic may be assigned to at most 3 students.** This can be:
 - Three individuals working independently on the same topic
 - A group of two and one individual
 - A group of three
- If working in a group, all members must contribute equally. **Group size cannot exceed 3.**
- Your presentation must include:**
 - Clear and concise explanation of the topic
 - Diagrams, examples, and visuals wherever appropriate
- Recommended Tools:**
 - Use **Beamer** with the LaTeX preamble provided for course slides
 - You may use this Overleaf project to get started
 - Use **TikZ** for diagrams when applicable
- You must record a video presentation (max duration: 10 minutes)** where all members present equally.
- Submit the following files:
 - Beamer **.tex** (or other) source files and images
 - Exported PDF or PPTX of your slides
 - A video file of the presentation (MP4, MKV, etc.)
- All materials must be uploaded to this Google Drive folder:**
Create a subfolder titled with your **group name** (or your student ID if individual) and place all files there.
- Topic selection:**
 - Visit the Google Sheet
 - Write your group name or student ID beside the topic you are choosing in the “Topic Sheet”
 - If you are in a group, also list group members and their student IDs in the “Groups” sheet
 - The sheet is publicly editable. Manage it among yourselves. The final sheet will be treated as the authoritative record. No further mediation will be done.
- Bonus Opportunity:** Submit reviews of **three presentations on distinct topics** (excluding your own) for up to **+5 bonus marks.**
 - Reviews must be short (< 500 words), honest, and constructive.
 - Reviews must be written in your own words and submitted in the “Review” sheet in the spreadsheet.
 - Flattering, superficial, or generative AI-based reviews will receive a penalty of **-10 marks.**
 - You must submit your own presentation** to be eligible to submit reviews.
- Failure to follow instructions will result in 0 marks.**
- Deadline: 31 July 2025.**

Evaluation Criteria (Indicative)

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| • Clarity and completeness of explanation | (5) |
| • Visual quality and diagrammatic illustrations | (5) |
| • Correctness and relevance of technical content | (5) |
| • Presentation and speaking distribution (in video) | (5) |
| • Bonus for reviews (see above) | (5) |

Total Marks: 20 + Bonus (5)