

GALLERY WALK on-line

Objective: The objective of the Gallery walk is to enable students to read and understand a specific thin film based application and then teach their fellow students. The Gallery walk is group work which is done during the on-line session – but you naturally have to learn about the application in question at home before it. Each group will be given a specific article to study, and additionally, there will be a specific set of topic-related questions which have to be answered. On the day of the Gallery walk the group will have 30 mins to make their Powerpoint Presentation during the online session. After 30 mins, the students will be re-grouped in order to study and learn from each other’s presentations.

Instructions:

1. Students will be nominated to n separate groups. Each group has a leader.
2. Each group will be given in advance a journal paper, which is the source material for the Presentation.
3. The group members can work either individually or as a group to identify the details in the paper. On the day of the gallery walk the details are combined to make their Presentation.
4. Each group will have a breakout room in ZOOM and have 30 mins time to make their 5 slide Presentation (a Google Document shared to students). (See Below)
5. There will be a set of questions common to all the groups which have to be explained in the Presentation. (See Below)
6. Once Presentations are made the groups are re-arranged in such a way that every student gives one Presentation and is an audience to the two other presentations. The order of re-arrangement is preset (See Below)
7. The audience in is expected to be active. GoogleDoc Comments will be used by audience to indicate their activity. If a student has a question about the Presentation then write a key word on the GoogleDoc Comment and post it to the Presentation slide. During the discussion make this question orally and discuss it with the presenter. This lets us track the activity of student and the Presentation (and this activity will be graded).

Presentation pages:

Title
Group: names
Source article

Page 2
Basic info about article, What, why, how...

Page 3
Methods
Thin films process
Characterization

Page 4
Results
(most important, selected)

Page 5
Conclusions
Take home message

The Process:

1. Page 1: Title (more focused than the source article), Group members, Source article
2. Page 2: Introduction, motivation of the work. Why is the work done
3. Page 3: Methods: Thin film method(s), substrates, characterization
4. Page 4: Results. Select most important results 1 to 2 in graphs, figures, list other important. Benefits.
5. Page 5: Conclusions, Take home message
6. Make the Presentation with thought and co-operation, keeping in mind the **mandatory Topics** to answer and keep it understandable.

Mandatory Topics to consider:

1. What is the purpose of the article. (Page 2)
2. What is the substrate and thin film used in this article. (Page 3)
3. What is the process or method used to make the thin film. (Page 3)
4. What methods have been used to characterize the thin film in this article. (Page 3)
5. What improvements or advantages are talked about in the article (Page 4).
6. For the purpose of this application what is the strength of the deposition process used (Page 4).

7. Conclusions in a compact way & take home message

Timetable of Walking Gallery:

12:15 Groups A, B and C in breakout rooms. Groups produce the 5 page presentation

13:00: Re-organize in Breakout rooms. Presentation 5 min. Questions & answers

13:20: Re-organize in Breakout rooms. Presentation 5 min. Questions & answers

13:40: Re-organize in Breakout rooms. Presentation 5 min. Questions & answers

REMEMBER:

1. READ CAREFULLY THE ARTICLE BEFORE THE SESSION
2. IT IS EXPECTED THAT STUDENTS RESEARCH BEYOND THE GIVEN ARTICLE TO IMPROVE THEIR UNDERSTANDING AND PROVIDE SATISFACTORY ANSWERS TO QUESTIONS.
3. Please remember that the Presentation lay out quality is not being evaluated. However, the accuracy of facts in the Presentation are considered. If a group has very in-accurate facts in their Presentation the group as a whole will be marked negatively.
4. YOU CAN COPY ONLY MAX 5 FIGURES OR GRAPHS TO PRESENTATION
5. You may NOT cut and paste sentences. Use key words and short bullet point texts