

Image and Video Coding

Introduction to mini-projects

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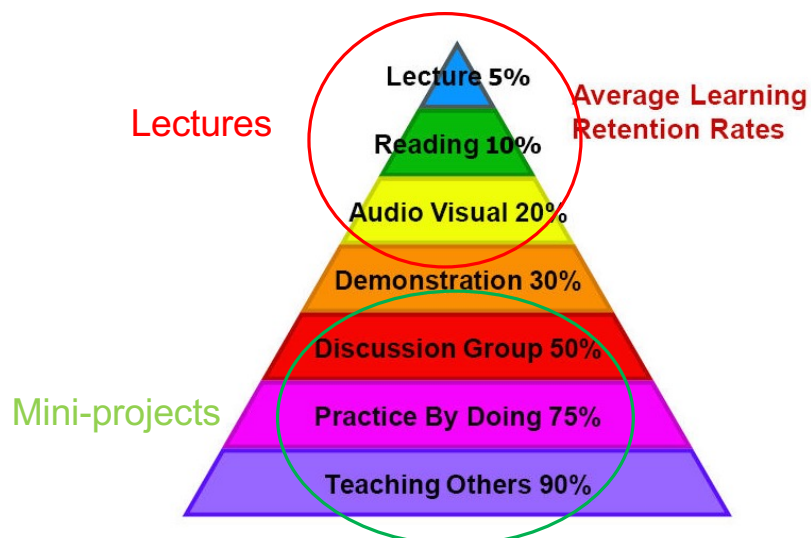


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Learning pyramid



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Mini-projects

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- 1 or 2 hours per week during the class
- Individual work outside of the class
 - To do ist:
 - Minutes of each session
 - Literature search
 - Implementation search
 - Generate results
 - Validate and compare
 - Prepare report/presentation



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Process

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- Three phases
 - Phase 1: Common background identification
 - Phase 2: Individual mini-project identification
 - Phase 3: Individual mini-project preparation
- Every session concludes with
 - Minutes that include a to-do list with the names of the responsible individual(s) and the deadline



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Timetable

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Date	Type	Subject	Duration (Time)
8 Sep. 25			
15 Sep. 25	Mini-project	Supervised group work	1h
22 Sep. 25	Holiday		
29 Sep. 25	Mini-project	Supervised group work	1h
6 Oct. 25	Mini-project	Supervised group work	1h
13 Oct. 25	Mini-project	Unsupervised group work (Phase 1)	2h
20 Oct. 25	Mid-term break		



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Timetable and milestones (cont'd)

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Date	Type	Subject	Duration (Time)
27 Oct. 25	Mini-project	Supervised group work	1h
3 Nov. 25	Mini-project	Supervised group work	1h
10 Nov. 25	Mini-project	Unsupervised group work (Phase 2)	2h
17 Nov. 25	Mini-project	Supervised group work	1h
24 Nov. 25	Mini-project	Supervised group work	1h
1 Dec. 25	Mini-project	Unsupervised group work (Phase 3)	2h
8 Dec. 25	Mini-project	Supervised group work	2h
15 Dec. 25	Mini-project	Mini-project presentations	4h



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Phase 1

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- Common background identification:
 - Identification of image codecs implementations
 - Identification of performance assessment criteria, their definition, and how to measure each
 - Identification of dataset(s)



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Minutes

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- Identify a volunteer to take the minutes at the beginning of each session
- Minutes should be distributed via moodle the next day
- Structure of the Minutes
 - Date
 - List of participants
 - Brief summary of discussions
 - To do list + responsible + deadline



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