

# Action Learning Kickoff

Paris, April 15 for Spring 2022

**Action Learning**  
Research.Action.Deliver.



An attendance sheet with a grid. The columns are labeled with dates: 'January 0', 'January 1', 'January 2', and 'January 3'. The rows are labeled with student names: 'ter', 'Charlotte', 'nma', 'Bailey', and 'Hunter'. Blue checkmarks are present in the following cells: (Charlotte, Jan 0), (Charlotte, Jan 1), (Charlotte, Jan 2), (Charlotte, Jan 3), (nma, Jan 0), (nma, Jan 1), (nma, Jan 2), (nma, Jan 3), (Bailey, Jan 0), (Bailey, Jan 1), (Bailey, Jan 2), (Bailey, Jan 3), (Hunter, Jan 0), (Hunter, Jan 1), (Hunter, Jan 2), (Hunter, Jan 3). A large blue 'A' is written in the bottom right corner of the grid.

	January 0	January 1	January 2	January 3
ter				
Charlotte	✓	✓	✓	✓
nma	✓	✓	✓	✓
Bailey	✓	✓	✓	✓
Hunter	✓	✓	✓	✓

Welcome to 85 students!

Attendance

Please sign in

# Kickoff Agenda

## April 15, 2022

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- Action Learning Staff introductions
- Objectives
- Structure
- Project selection
- Phases
- Deliverables
- Assessment
- Communication



# Action Learning Staff

- Rabih, Bill, Stéphanie, Lucile
- Faculty Advisors
  - Alaa Bakhti - Data Science and Analytics, Artificial Intelligence Systems
  - Salman Nadeem - Computer Security - Systems, Networks & Security
  - Thomas Broussard – Software Engineering
  - Olivier Berthet - Information Systems Management

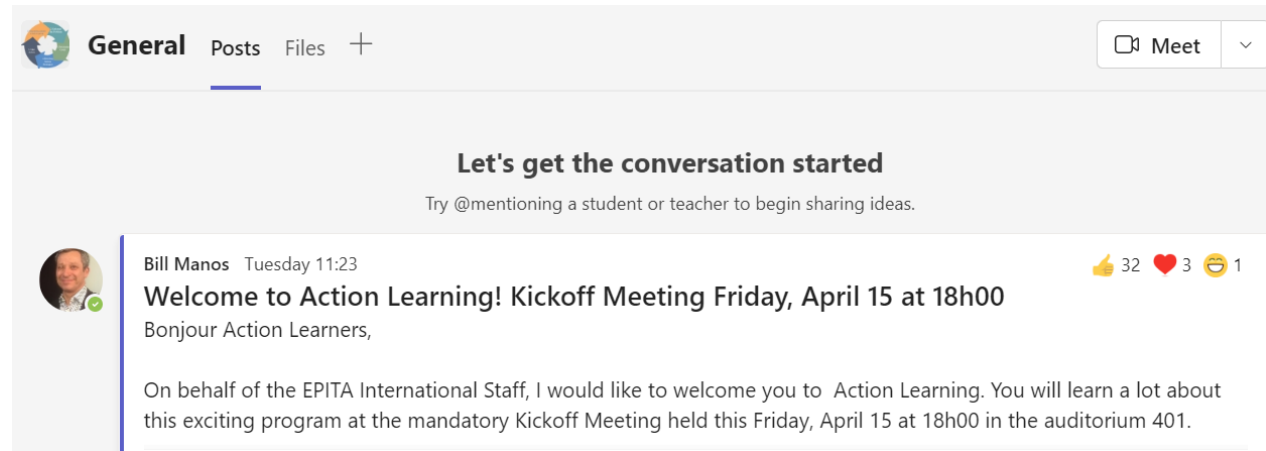
# Action Learning Credits

Innovation				
ISM	Business Strategies & Analysis	French Language Program Msc (A2-B1)	HUM_506_FLE3	4
		IT Purchase	FIN_507_ITPR	1
		Action Learning	INF_560_ACL	5
Data Science				
DS	Data Science Applications	How To Use Devops Approach	SYS_523_DEVOPS_M	1
		Computer Vision	INF_533_CVIA_M	2
		Natural Language Processing	INF_538_DLNP_M	1
		Action Learning	INF_560_ACL	5
		Data Science in Production	INF_541_DSP	2
Advanced Programming				
SE	Software Industrialization	How To Use Devops Approach	SYS_523_DEVOPS_M	1
		Software Industrialization	MET_514_SIQA	1
		Software Quality Assurance	MET_311_QMDL	1
		Action Learning	INF_560_ACL	4
CS	Advanced Management & Engineering Science	Cross-Border Management	MAN_516_CBM	1
		French Language Program Msc (A2-B1)	HUM_506_FLE3	4
		Knowledge Management & Innovation	MAN_505_KMI	3
		Action Learning	INF_560_ACL	5
Data Engineering				
AIS	Operational Methodologies	Career Project Elaboration	MAN_501_CPE	1
		Action Learning	INF_560_ACL	4
		Data Science in Production	INF_541_DSP	2
		Ethical Development of AI Applications	HUM_420_ETAI_M	1
Advanced Programming				
ME	Software Industrialization	How To Use Devops Approach	SYS_523_DEVOPS_M	6
		Software & Database Security	INF_512_SOSE	3
		Software Industrialization	MET_514_SIQA	6
		Software Quality Assurance	MET_311_QMDL	6
		Action Learning	INF_560_ACL	4



# Communication

- MS Teams
- Action Learning General Channel – for everyone
- Private channel by groups
- You must set your notifications and check postings regularly
- Acknowledge receipts of important messages and announcements when requested with an emoji reaction (not as a post). I want to count them.
- Apply what you learned in Communication for Leaders
  - Meaningful titles for new threads
  - Concise, clear, well-written messages



# Action Learning Objectives

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**Action Learning**  
Research.Action.Deliver.

How to scope a real project from research to implementation

How to conduct research for the state of art in your specialization

How to write a thesis for the conducted research

Put your knowledge into practice

Deliver a real implementation

# Action Learning Structure

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**New Projects, Workgroups and Faculty Advisors by specialization**

**Project topics selected by students; approved by Faculty Advisors**

**Research state-of-the-art**

**Write a Masters Thesis**

**Action Learning Week – development (July 25 – July 29, 2022)**



# Group Formation – Advisors will form groups

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## AIS – 14 students

- 2 groups of 4
- 2 groups of 3

## CS – 18 students

- 3 groups of 4
- 2 groups of 3

## ISM – 11 students

- 2 groups of 4
- 1 group of 3

## ME

- Next semester

## SE – 21 students

- 3 groups of 4
- 3 groups of 3

## DSA – 21 students

- 3 groups of 4
- 3 groups of 3

# Project Selection

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Faculty Advisors  
form groups by  
April 26

Project Proposals  
posted by 18h00  
May 4

Research starts  
after proposal  
approval

# Project Proposals

- Student ideas are welcome
- Start thinking of them now before your Advisor forms your groups. Advisors might use them to form groups.
- Ideas will be provided by Faculty Advisors if needed
- Short form provided for approval process
- Maximum – one and one-half pages
- Overview – Context, Story
- Team Members (when known)
- Goal – one sentence that reflects the purpose of your proposed project
- Objectives – how you plan to achieve the goal
- Knowledge skills required
- Software, tools, system architecture and components anticipated
- Research expected
- Plan of action

# Phase Overview; Focused on State-of-the Art

- Scope
  - 3 weeks maximum, less is better to get started sooner
  - Faculty Advisors form teams, project proposals, validation
- Research
  - 2 - 2 ½ months
  - Faculty Advisors provide coaching
  - Planned progress reports and meetings
  - Preliminary bibliography due by 18h00 May 11
  - Literature and research review due by 18h00 May 27
  - Write and document your thesis – refer to thesis outline
- Development; Action Learning Week; July 25 - 29

# Thesis

- Apply what you learned in Communication for Leaders
- Document your research; literature review, in-text citations and references
- Template provided





**Menu** Transcript

▼ Writing a Literature Review

Start

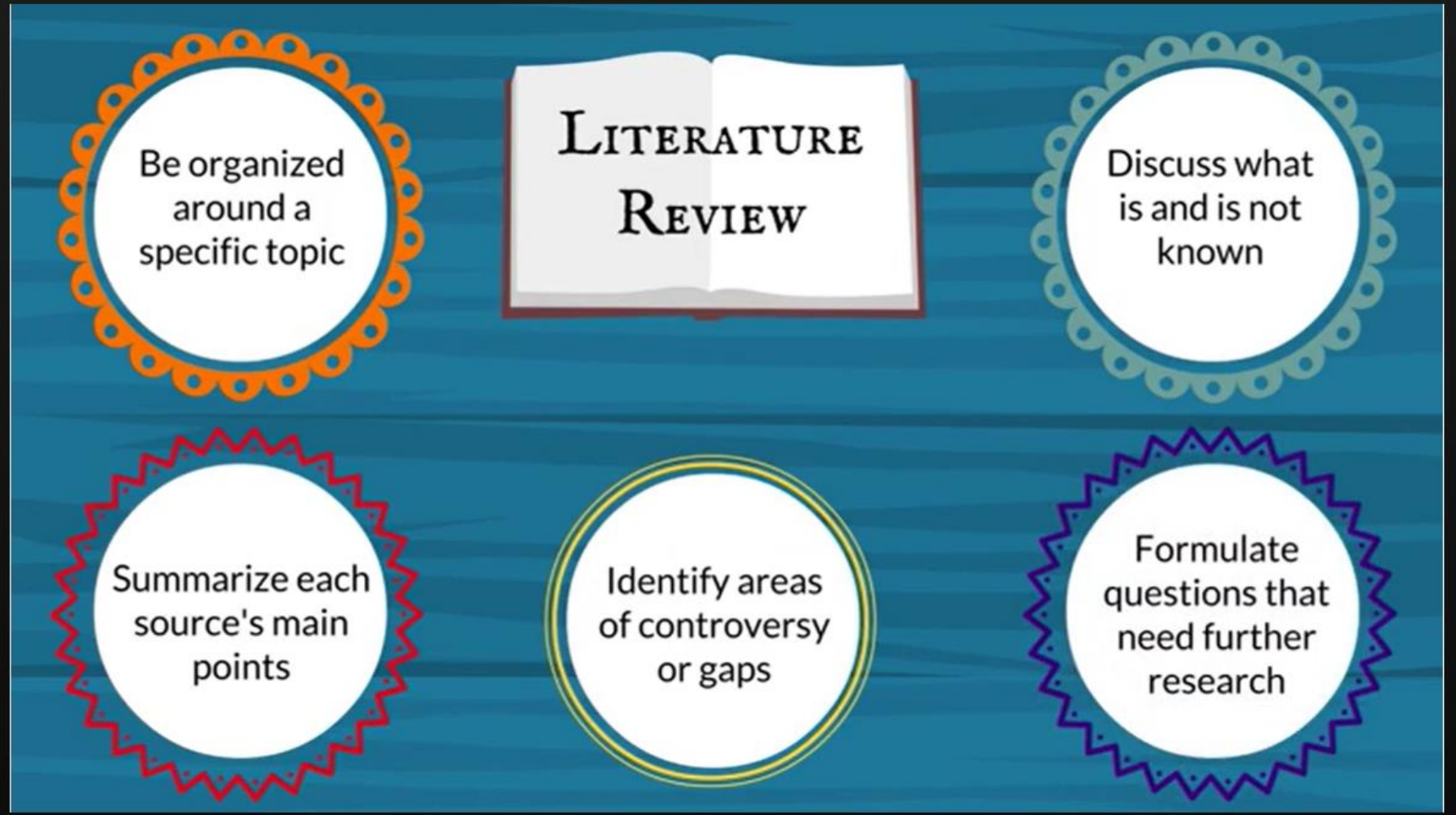
Introduction

► Steps

Resources

## Writing a Literature Review

Resources



This will be covered in detail in our Thesis Workshop



# PROJECT DESCRIPTION (optimum is 2-4 word)



First Name Last Name, First Name Last Name, First Name Last Name, . . .

Specialization mentioned here

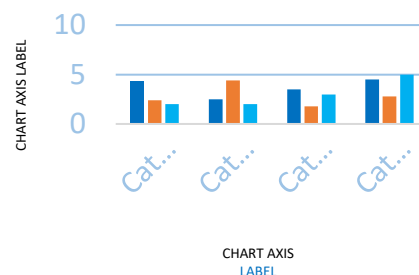
## PROJECT DESCRIPTION

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### BOX HEADER FOR YOUR QUICK FACTS

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CHART TITLE



## RESEARCH CONCLUSIONS

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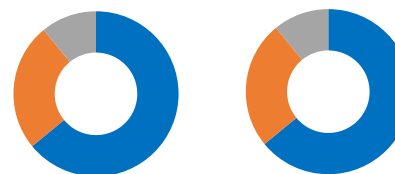
## TOOLS AND METHODOLOGY

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## DEVELOPMENT

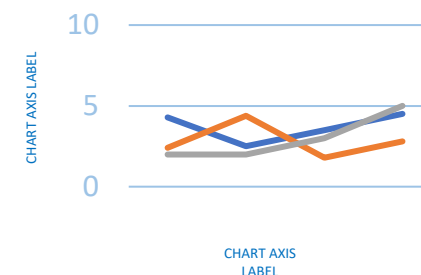
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## SUMMARY / COMMENTS

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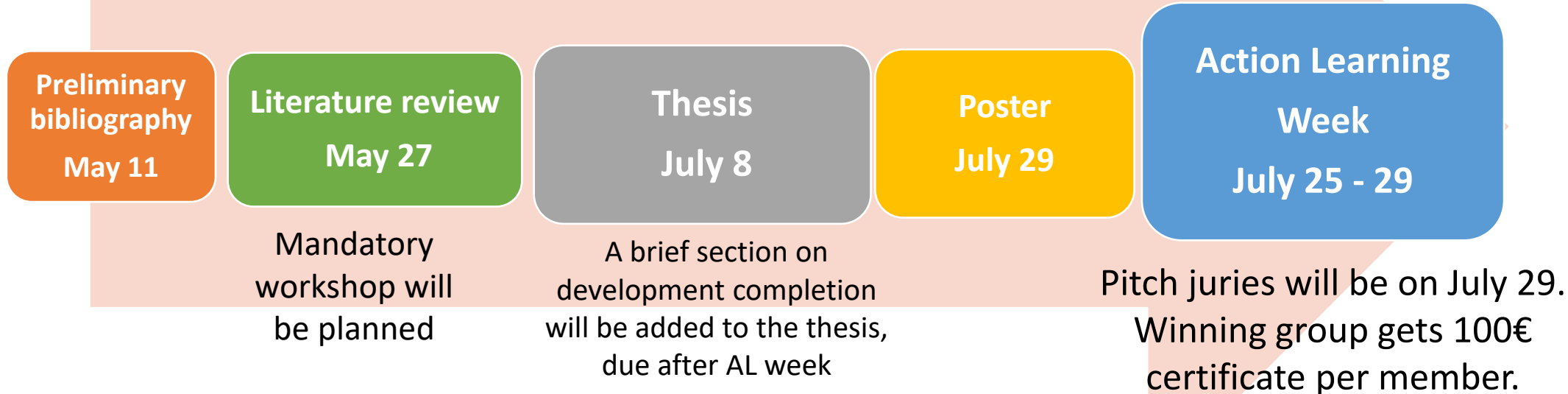
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# Milestones and Deliverables

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These 4 must be posted in a folder titled “Deliverables” in your group’s private channel by 18h00 on the dates below



# Assessment

## Jury members:

Sponsor: NAME	Role of 2 <sup>nd</sup> jurist: NAME
Additional Jury members:	

*Summary – details are on page 2*

	GRADE
• 1) Realization (weight is 75%)	/ 20
• 2) Working methodology (weight is 25%)	/ 20
PROJECT GRADE = (75% X #1) + (25% X #2)	/ 20
<b>WEIGHTED PROJECT GRADE X difficulty coefficient</b>	<b>/ 20</b>

**Difficulty coefficient of the project as delivered (not as it was specified) = K;**

Very easy Project K = ,8

Easy Project K = ,9

Average Project K = 1

Difficult Project K = 1,1

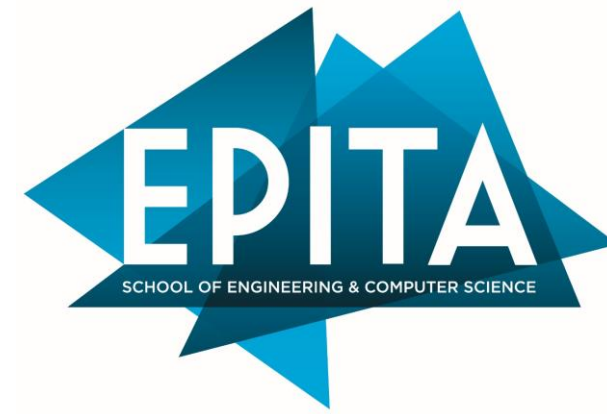
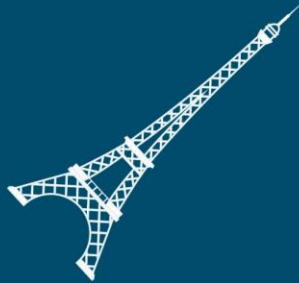
Very difficult Project K = 1,2







Thanks for your  
contribution to  
the program!



## Action Learning Kickoff

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