

# ICT Skills / June Onsite

## June 2-day onsite objectives

Preview and Prepare for  
Semester 2

Semester 2 Preview

Learn about Placement  
opportunities from our Industry  
Partners

Industry Partner Panel

13	19	20	21	22	23	24	25	skills studio 1
14	26	27	28	29	30	31	1	skills studio 1
15	2	3	4	5	6	7	8	skills studio 1
16	9	10	11	12	13	14	15	on site
17	16	17	18	19	20	21	22	skills studio 1
18	23	24	25	26	27	28	29	skills studio 1
19	30	1	2	3	4	5	6	

June 13th  
& 14th

## Location



<https://witarena.ie/>

# Agenda Thursday 13th

9.00	<b>Welcome, Agenda, Work Placement brief</b> Eamonn de Leastar, Colm Dunphy Joan Mangan	Semester 2 Preview Work placement
9.30	<b>Computer Systems &amp; Networks</b> Frank Walsh, Caroline Cahill	Workshop 1
10.30	Coffee Break	
11.00	<b>Computer Systems &amp; Networks</b> Frank Walsh, Caroline Cahill	Workshop 1
12.00	Greenway Walk	

14.00	<b>GIT Workshop Redhat</b> Ger Ryan / Ciaran Roche	
17.00	Finish	

# Agenda Friday 14th

9.00	Data Science Bernard Butler	TSSG
10.00	Database Mary Lyng, Roseanne Birney	Workshop 2
11.00	Coffee Break	
11.15	Database Mary Lyng, Roseanne Birney	Workshop 2
12.00	Manage to Learn! Greenway events Laura Mc G	
13.00	Lunch	

14.00	 	
		
		
		
		
		
		
		
16.00	Finish	

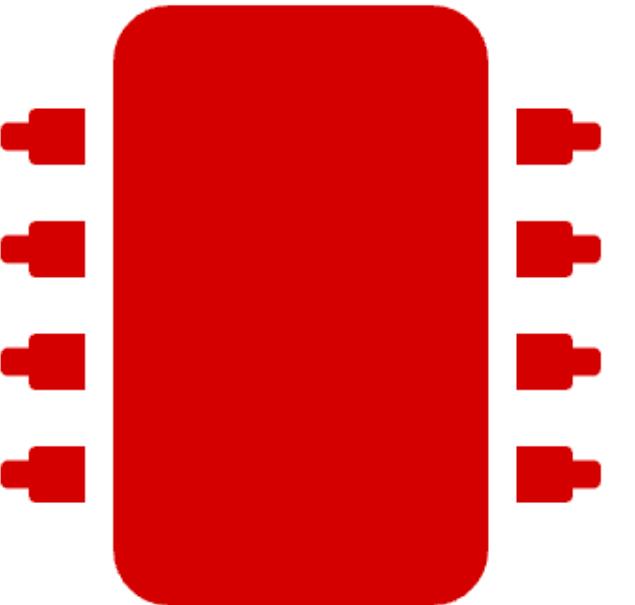
Employer Partners Panel  
Discussion

## Agenda

9:00	Welcome, Agenda + Work Placement Overview  Eamonn de Leastar, Colm Dunphy, Martina Mullally	Semester 2 Preview
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- Semester 2 Modules
- Semester 2 Calendar (Draft)
- Work Placement

## Computer Systems & Networks



logic · computer organisation ·  
os · networks · interfaces ·  
sensors

10 Credits

## Databases

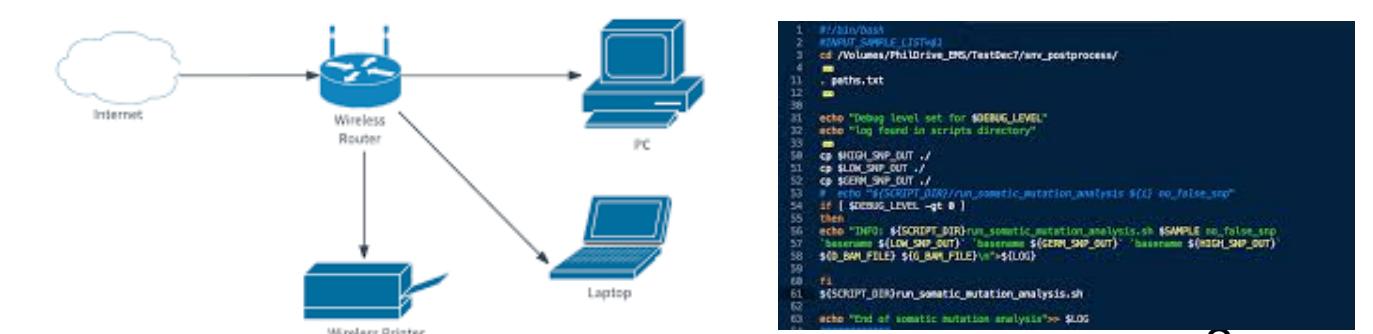


entities · tables · rows · sql · er ·  
nosql

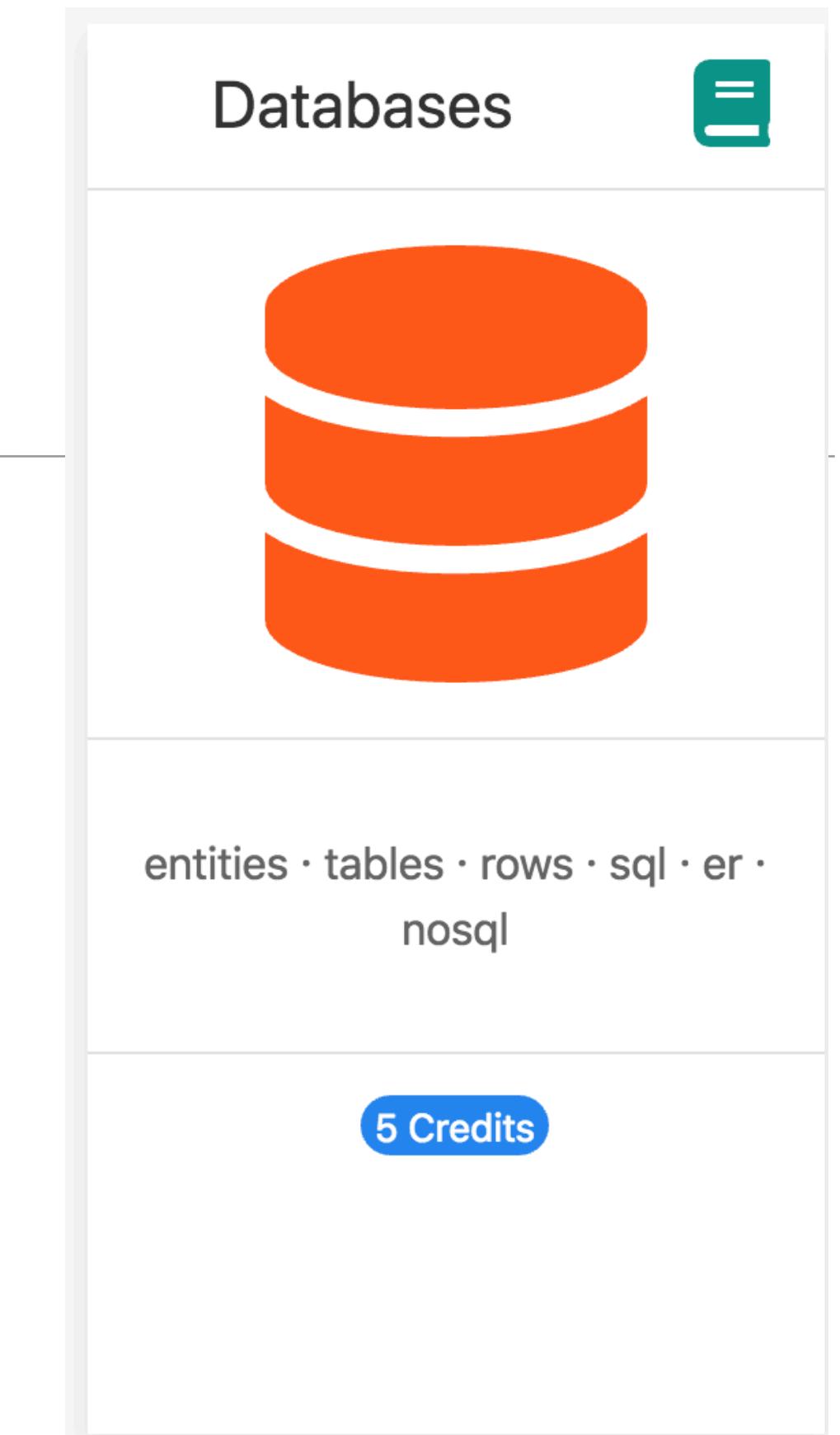
5 Credits

- Identify and explain the role various hardware components play in a computer system.
  - Use an operating system on a chosen computer architecture.
  - Demonstrate an ability to configure systems using the command line.
  - Describe the memory management, process management and file management components of a modern operating system.
  - Explain basic concepts and theory of networked operating systems and virtualisation.
  - Configure a contemporary operating system (within a virtual machine environment)
  - Demonstrate competency in a limited set of utilities provided by a contemporary operating system.
  - Complete basic automation tasks using scripting.

The image shows a large red rectangular box with rounded corners. On each of its vertical sides, there are four circular ports arranged vertically, resembling a stack of four pins or connectors. This central red box is positioned above the text "Computer Systems & Networks".



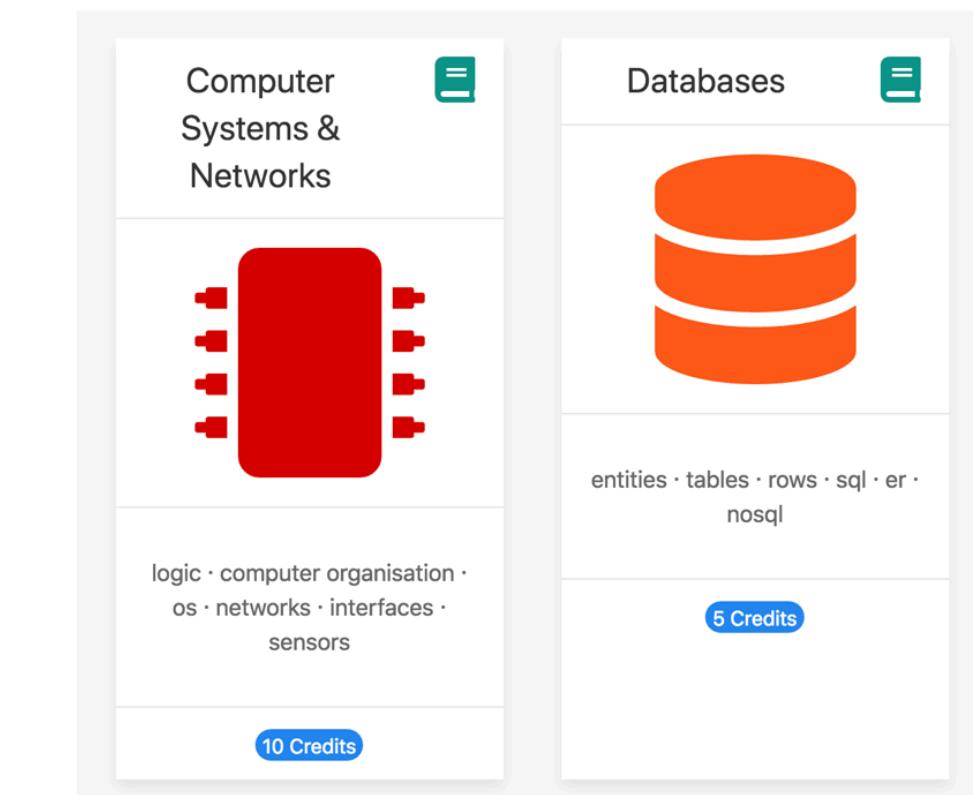
- Discuss the role of a database and its management system.
- Draw Entity Relationship (ER) diagram from an application problem and reproduce this diagram into a set of normalised relations, which are ready for database implementation.
- Design a NoSQL database suitable for a distributed environment with consideration of the CAP theorem.
- Gain an understanding of the physical database design process, its objectives and deliverables.
- Design and implement a database system



# Draft Calendar Semester 2

Semester 2		S	M	T	W	T	F	S	Modules
September	1	2	3	4	5	6	7	8	
	2	9	10	11	12	13	14	15	comp sys & database
	3	16	17	18	19	20	21	22	comp sys & database
	4	23	24	25	26	27	28	29	comp sys & database
October	reading-week	30	1	2	3	4	5	6	comp sys & database
	5	7	8	9	10	11	12	13	comp sys & database
	6	14	15	16	17	18	19	20	comp sys & database
	7	21	22	23	24	25	26	27	comp sys & database
November	8	28	29	30	31	1	2	3	
	reading-week	4	5	6	7	8	9	10	comp sys & database
	9	11	12	13	14	15	16	17	comp sys & database
	10	18	19	20	21	22	23	24	comp sys & database
December	11	25	26	27	28	29	30	1	comp sys & database
	12	2	3	4	5	6	7	8	comp sys & database
	reading-week	9	10	11	12	13	14	15	
		16	17	18	19	20	21	22	
		23	24	25	26	27	28	29	

2018 | Onsite Sessions  
13-14 | 01/12/2018 (including mandatory examinations)



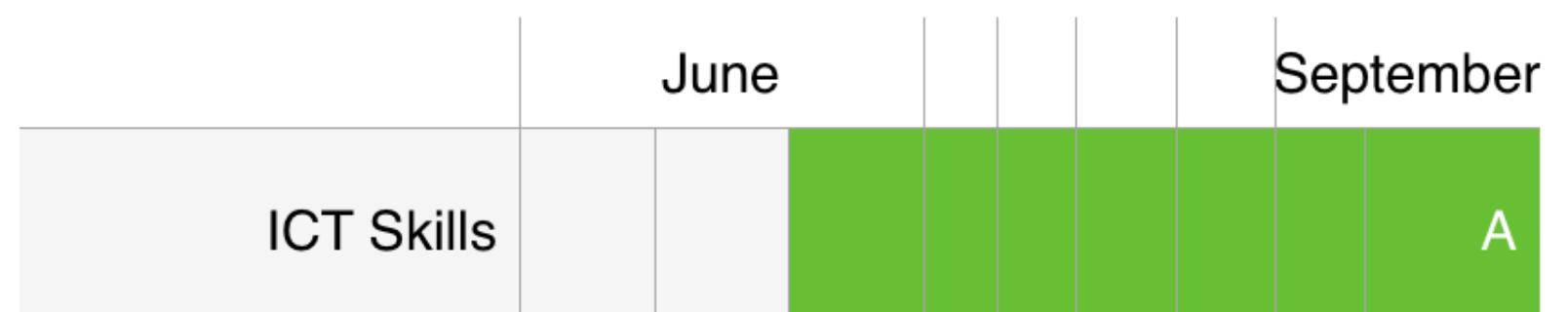
# Draft Weekly Timetable Semester 2

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	
10:45						10:45
12:15	Computer Systems <i>Webinar</i> 12:15-2:00	Computer Systems <i>Webinar</i> 12:15-2:00	Database <i>Webinar</i> 12:15-2:00			12:15
2:00						13:45

+ Lab Support via  slack \*

\* (9 hours live slack support)

# Assignment Schedule - ICT Skills



ICT Skills	A	spec:	11-Jun
		submit:	2-Sep

# Draft Assignment Schedule - Semester 2

	September					October				November				December		
week no.	1	2	3	4	reading	5	6	7	8	reading	9	10	11	12	reading	
Computer Systems & Networks						A1								A2	exam	
Database												A1			exam	

									Weighting	
Computer Systems					A1	spec:	23 Sep			
						submit:	14-Oct	35%		
					A2	spec:	21 Oct			
						submit:	9 Dec	40%		
						exam:	13-Dec	25%		
Database					A1	spec:	14-Oct			
						submit:	25 Nov	50%		
						exam:	13-Dec	50%		

# Placement - who, what, where, when, how?

Work placement is a temporary job in an organisation that is intended to give a trainee experience of the job they are training for..

- **Three groupings - HDIP class:**

1. Working in non Tech roles.
2. Working in Tech role and wish to change to a different role in same organisation for placement.
3. Working in a Tech role and intend to remain in same role.

- **Your questions answered:**

1. When is the work placement period?
2. Who are the employers and other stakeholders?
3. Placement process (before, during and after)?
4. Assessment/ grading?



# Placement/Project Options

## June 2020- December 2020

Undertake a 4-6 month placement in an ICT Environment and complete project based on your placement or your own topic

OR

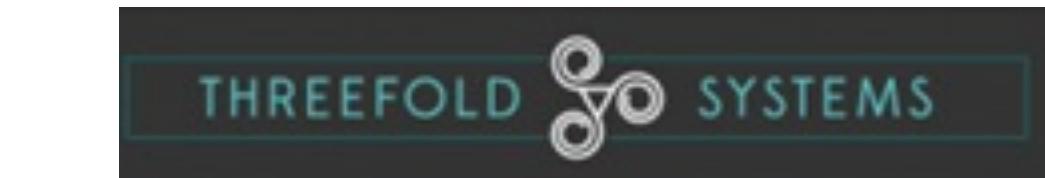
Continue working in your own organisation and complete an ICT-based Work Project

# WIT Employer partners?

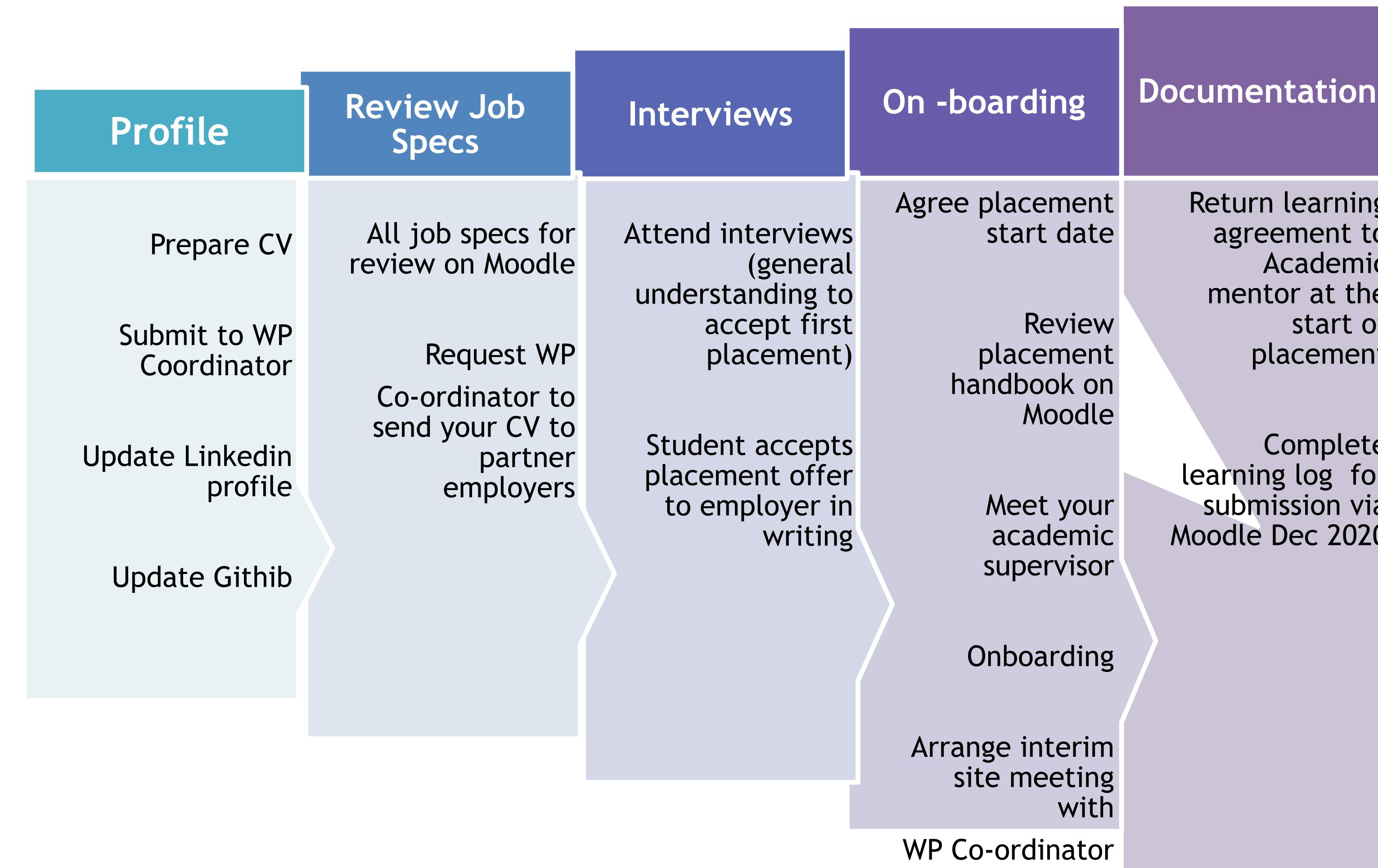
## RESOURCES:

- <https://crystalvalley.io/>

CVT is a Tech community with over 100 com SE region



# Placement Process



# Assessment Methods

## 100% Continuous Assessment

- Final Project
- Presentation

### Notes:

- Successful projects will not of course be required to reach commercial grade - but may demonstrate useful prototypes (partially functional). For some partners/students, a research paper, new business process or innovative method may also be appropriate;
- **Also, an employer approval declaration may be required with the final project assignment submission**

