

# 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

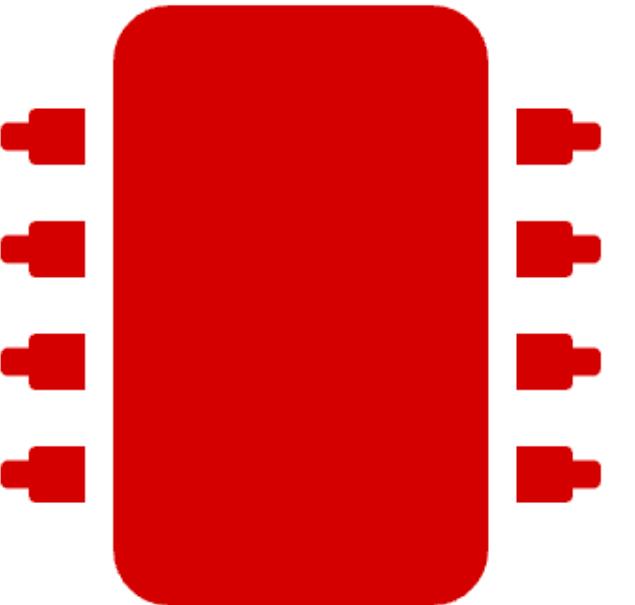
Employer Partners Panel  
Discussion

## Agenda

9.00	<p><b>Welcome, Agenda, Work Placement brief</b></p> <p>Eamonn de Leastar, Colm Dunphy Joan Mangan</p>	<p>Semester 2 Preview Work placement</p>

- Semester 2 Modules
- Semester 2 Calendar (Draft)
- Work Placement

## Computer Systems & Networks



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

10 Credits

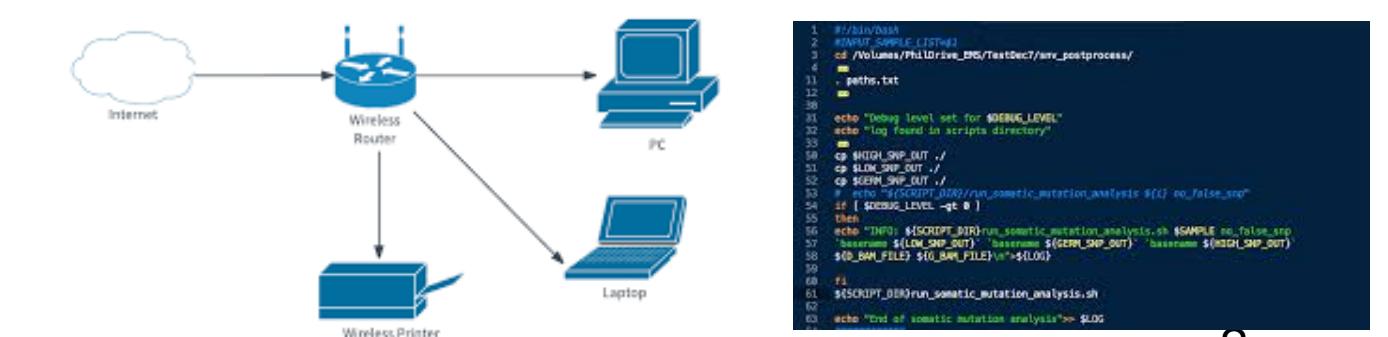
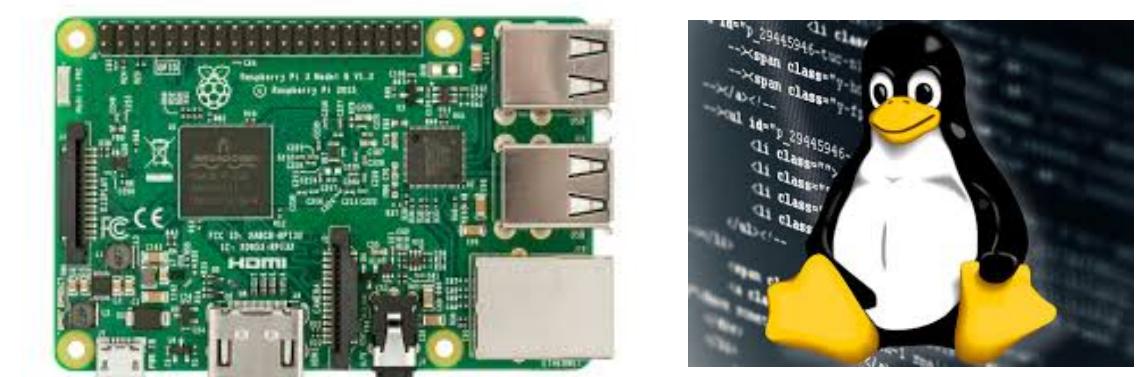
## Databases



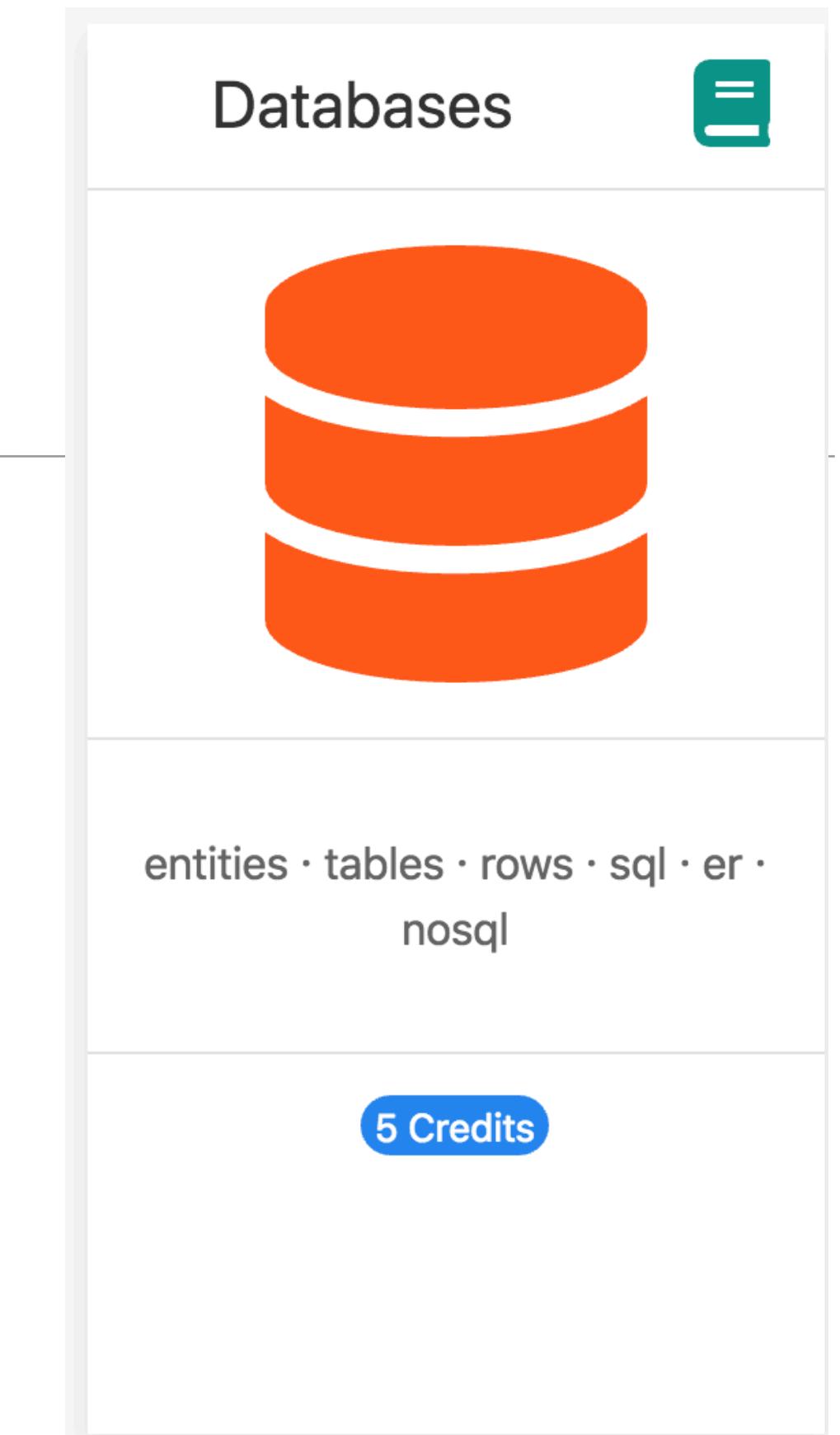
entities · tables · rows · sql · er ·  
nosql

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.

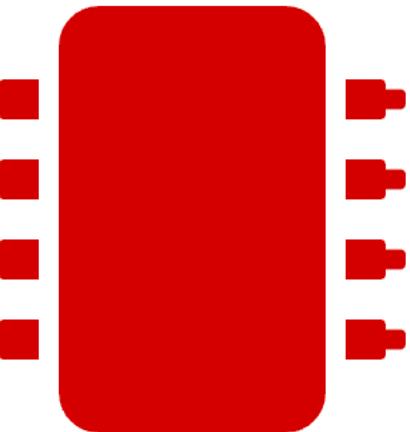


- Discuss the role of a database and its management system.
- Draw Entity Relationship (ER) diagram from an application problem and reproduce this diagram into a set of normalised relations, which are ready for database implementation.
- Design a NoSQL database suitable for a distributed environment 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

2019		S	M	T	W	T	F	S	Modules
Semester 2		S	M	T	W	T	F	S	Modules
September		1	2	3	4	5	6	7	comp sys & database
		2	8	9	10	11	12	13	comp sys & database
		3	15	16	17	18	19	20	comp sys & database
		4	22	23	24	25	26	27	comp sys & database
October	reading-week	29	30	1	2	3	4	5	
		5	6	7	8	9	10	11	comp sys & database
		6	13	14	15	16	17	18	comp sys & database
		7	19	21	22	23	24	25	comp sys & database
November		8	27	28	29	30	31	1	comp sys & database
			3	4	5	6	7	8	9
		9	10	11	12	13	14	15	comp sys & database
		10	17	18	19	20	21	22	comp sys & database
December		11	24	25	26	27	28	29	comp sys & database
		12	1	2	3	4	5	6	comp sys & database
			8	9	10	11	12	13	14
			15	16	17	18	19	20	21 Exam + Onsite - option 1
			22	23	24	25	26	27	28
January		29	30	31	1	2	3	4	
		4	5	6	7	8	10	11	Exam + Onsite - option 2

Computer Systems & Networks 

entities · tables · rows · sql · er · nosql

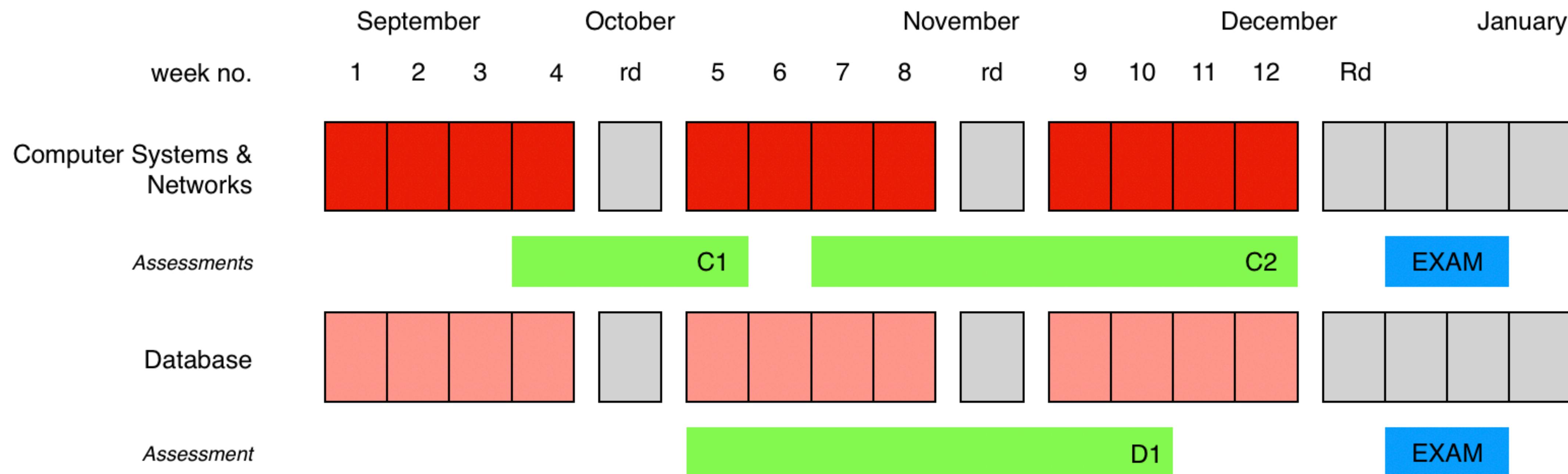
logic · computer organisation · os · networks · interfaces · sensors ·

10 Credits

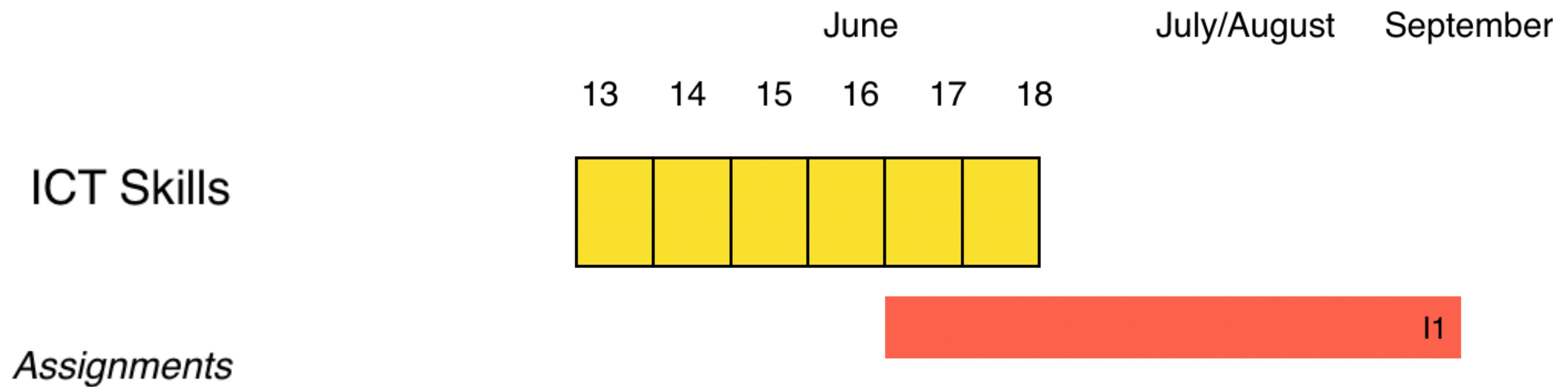
Database 

5 Credits

# Draft Assignment Schedule - Semester 2



# Assignment Schedule - ICT Skills



# 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	12:15 Computer Systems <i>Webinar</i> 12:15-2:00	12:15 Database <i>Webinar</i> 12:15-2:00		12:15
2:00				13:45

+ Lab Support via  slack

# 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

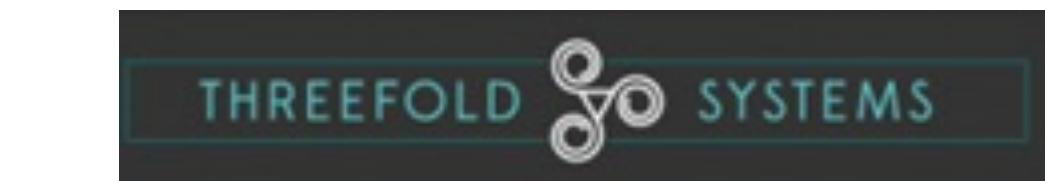
Continue working in your own organisation and complete an ICT-based Work Project

# WIT Employer partners?

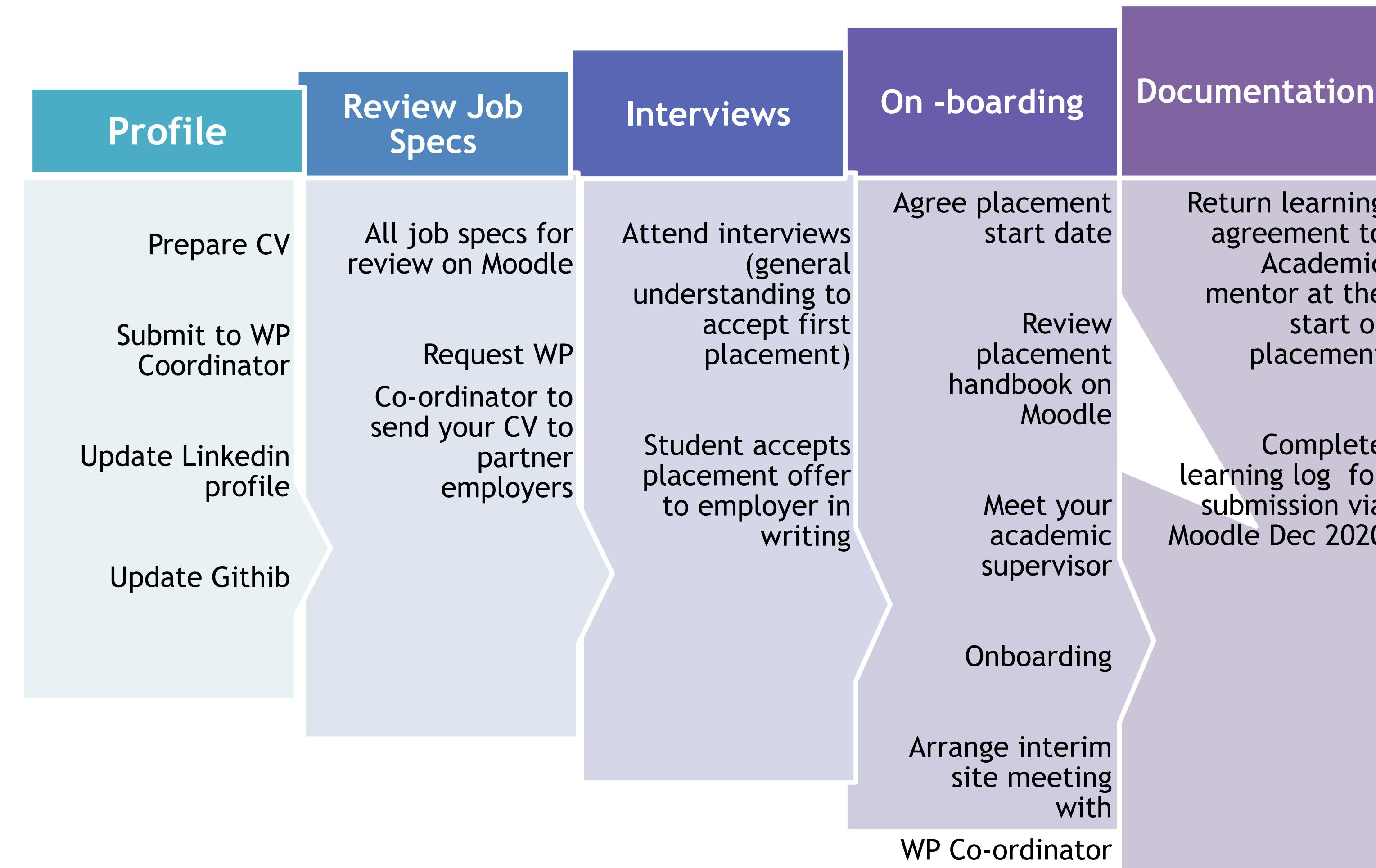
## RESOURCES:

- <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**

# Questions?