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

14.00	GIT Workshop Redhat Ger Ryan / Ciaran Roche	
17.00	Finish	

Agenda Friday 14th

Time	Session	
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	

Time		
14.00	DATAWORKS redefining possibilities	**Employer Partners Panel Discussion**
	IMMERSIVE EDUCATION	
	Fund Recs	
	DISTILLED SCH	
	SERVISBOT	
	Scurri	
	Sun Life Financial	
	SE2	
	MICROCHIP	
16.00	Finish	

Agenda

9.00	**Welcome, Agenda, Work Placement brief** Eamonn de Leastar, Colm Dunphy Joan Mangan	Semester 2 Preview Work placement

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

Computer Systems & Networks
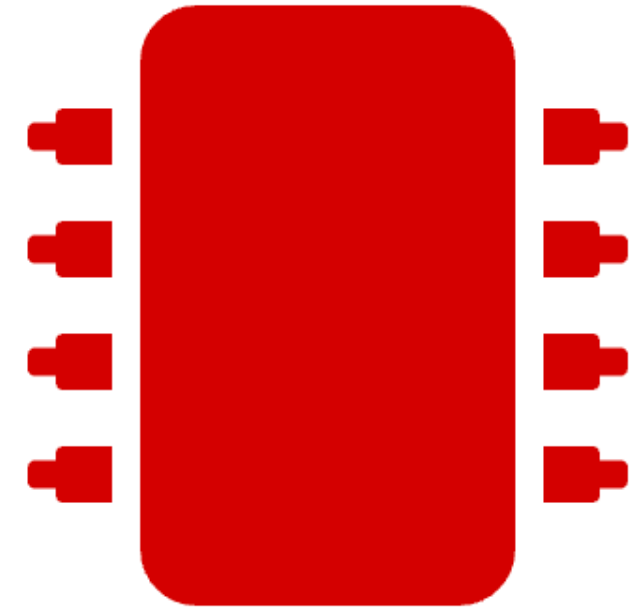
logic · computer organisation · os · networks · interfaces · sensors
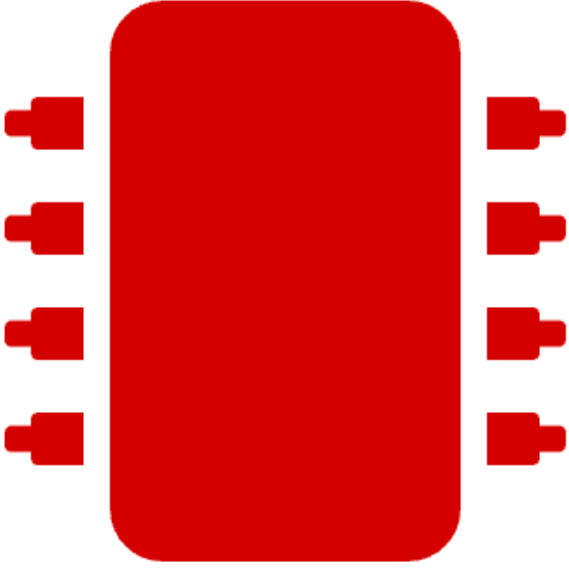
10 Credits

Databases

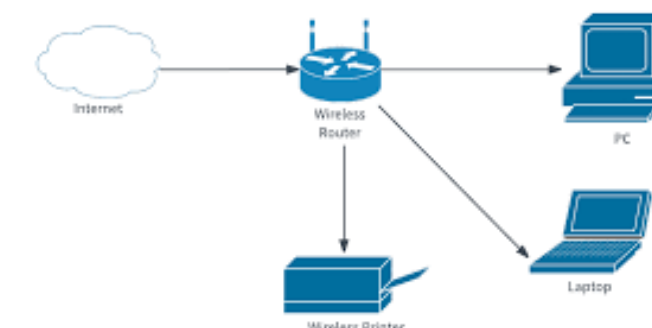entities · tables · rows · sql · er · nosql

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.

Computer Systems & Networks

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10 Credits

- 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

Databases

entities · tables · rows · sql · er · nosql

5 Credits
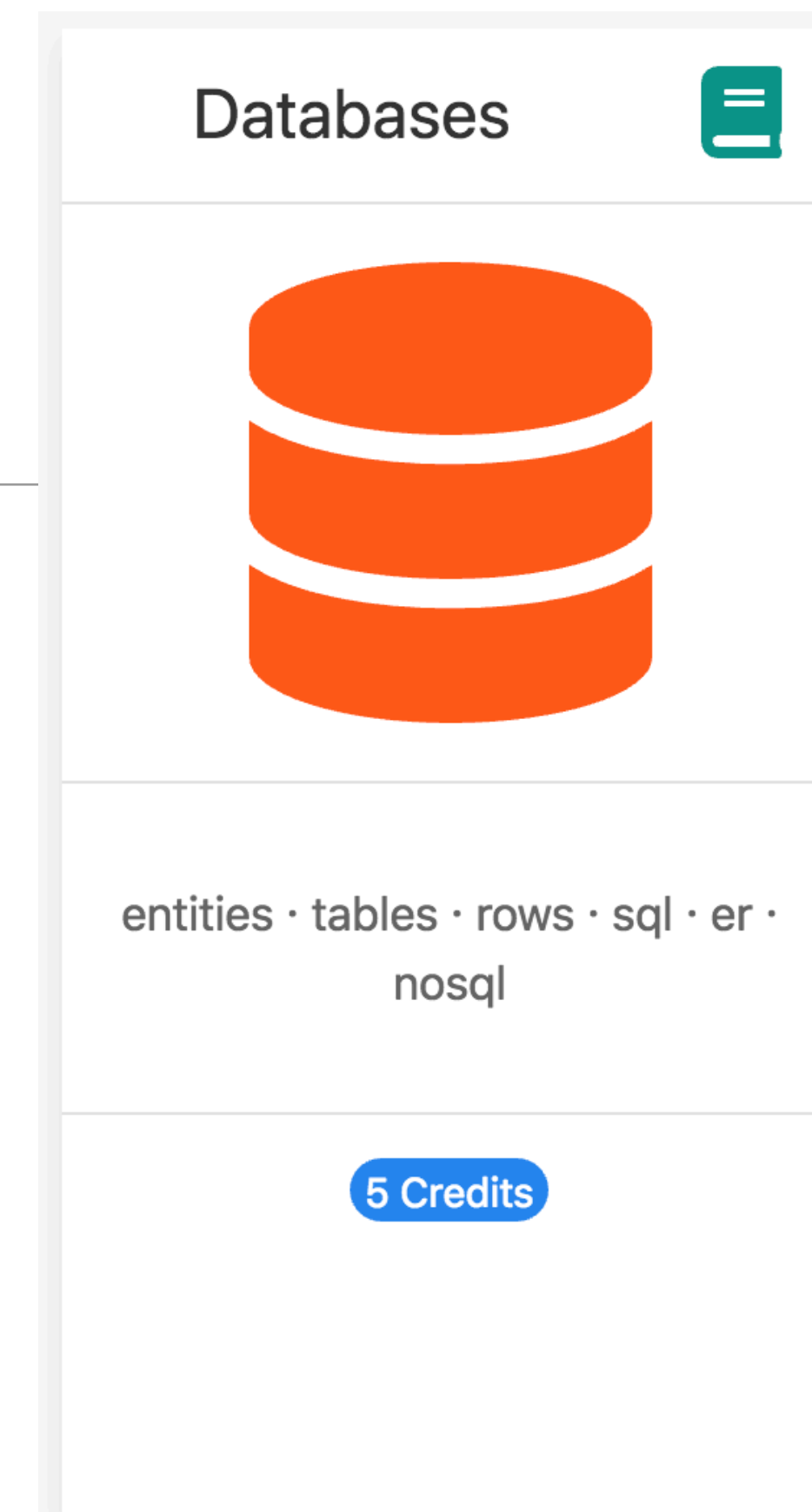
Draft Calendar Semester 2

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

Computer Systems & Networks

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10 Credits

Database

entities · tables · rows · sql · er · nosql

5 Credits

Draft Assignment Schedule - Semester 2
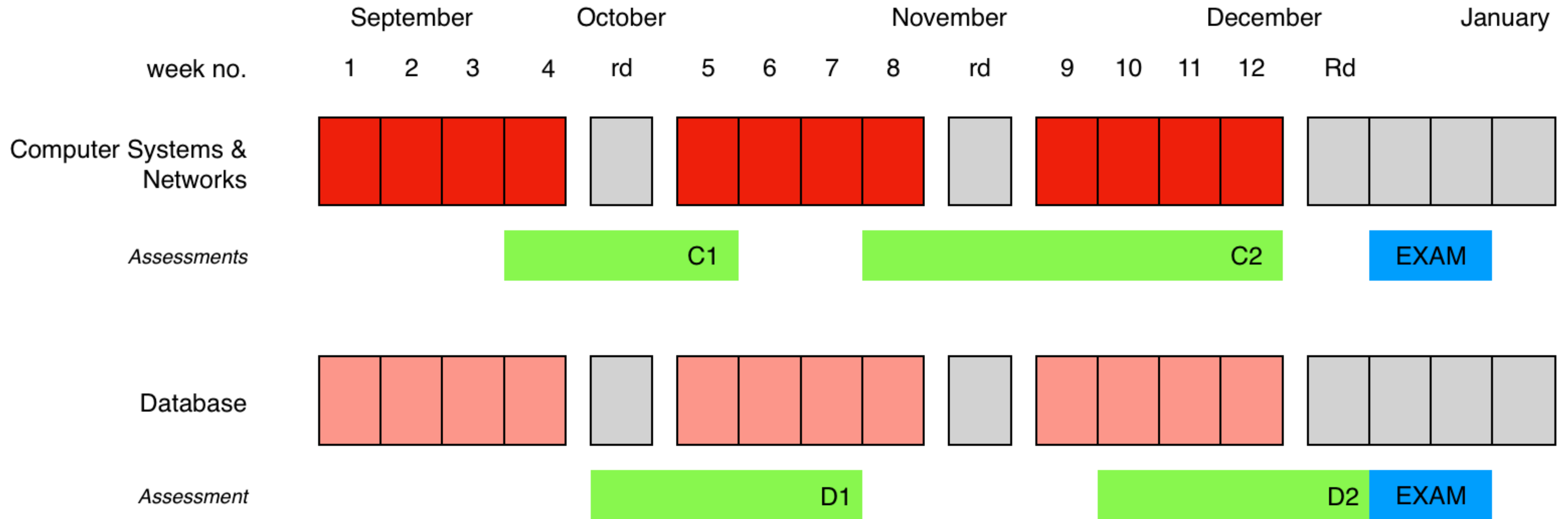
Assignment Schedule - ICT Skills
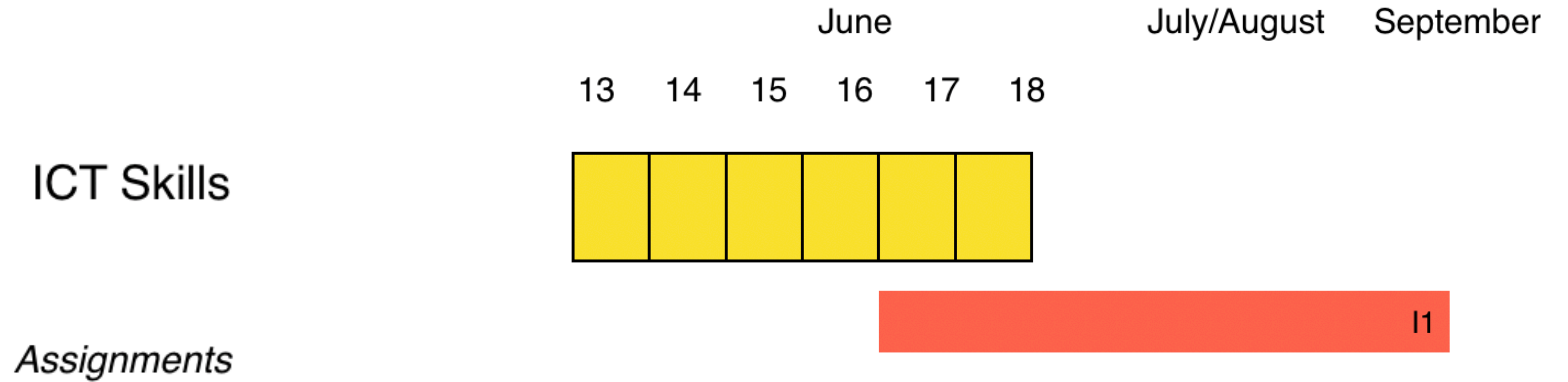
Draft Weekly Timetable Semester 2

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	
10:45						10:45
12:15	Computer Systems *Webinar* 12:15-2:00		Computer Systems *Webinar* 12:15-2:00	Database *Webinar* 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 <u>4-6 month</u> placement in an ICT Environment and complete project based on your placement or your own topic
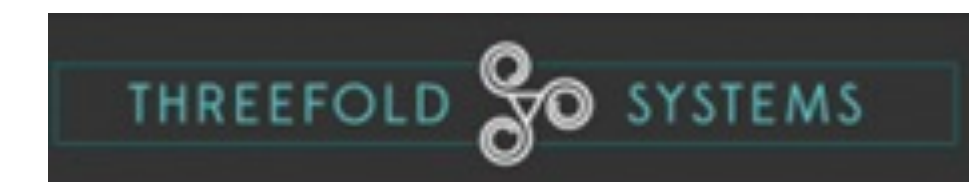
OR

Continue working in your own organisation and complete an ICT-based Work Project
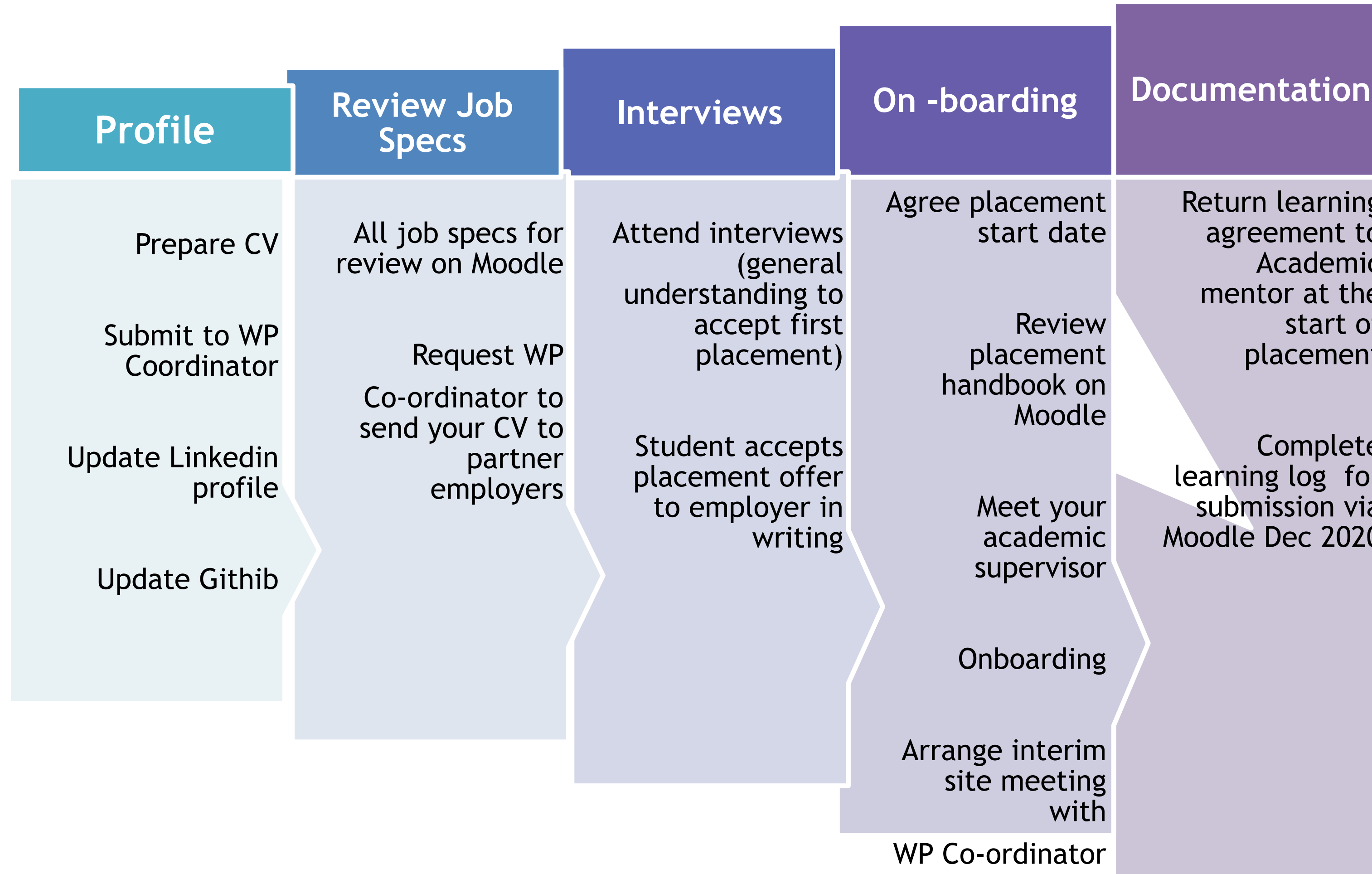
WIT Employer partners?

RESOURSES:

- https://crystalvalley.io/

CVT is a Tech community with over 100 com
SE region

Placement Process

Profile	Review Job Specs	Interviews	On -boarding	Documentation
Prepare CV	All job specs for review on Moodle	Attend interviews (general understanding to accept first placement)	Agree placement start date	Return learning agreement to Academic mentor at the start of placement
Submit to WP Coordinator	Request WP Co-ordinator to send your CV to partner employers		Review placement handbook on Moodle	
Update Linkedin profile		Student accepts placement offer to employer in writing	Meet your academic supervisor	Complete learning log for submission via Moodle Dec 2020
Update Githib			Onboarding	
			Arrange interim site meeting with	
			WP Co-ordinator	

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?