

#### Building Online Communities via Social Presence with TutorStack

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## 1. Building Online Communities

SECTION ONE

#### Communities

### Osterman, 2000

A community exists when its members experience a sense of **belonging** or personal **relatedness**...

the community has a shared and emotional sense of connection

#### Communities

## Rovai & Wighting (2005)

Community "provides a place in which individuals are free to **express their identities**, and helps them deal with changes and difficulties in society at large.

Students who **feel lonely** or isolated **invest** more energy in **seeking a sense of community** and support than in learning."

#### Communities

## Rosell, 2018

Without community, education is a lonely place.

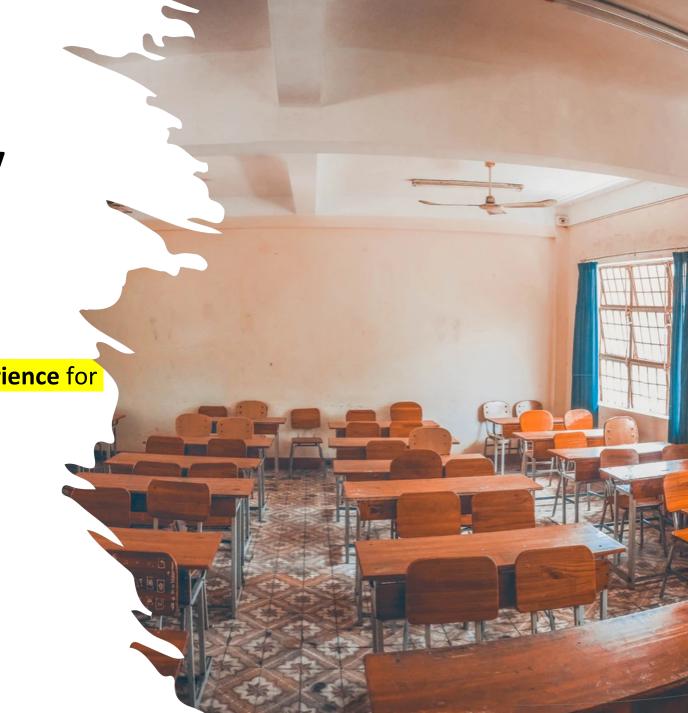
#### Students can't:

- work together on group projects,
- help each other through tricky material
- or **share** their interest and passion for certain subjects.

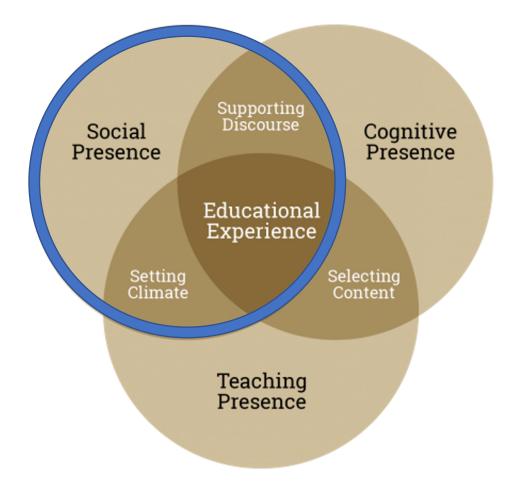
Learning communities play a significant role in ensuring that students remain **motivated** to succeed."

### Importance of Classroom Community

- Isolation leads to higher dropout rates (Ali and T Smith, 2015)
- Community creates a better learning experience for students (Wenger, 1998)
- Strong need for Lecturer Presence (Ladyshewsky, 2013)
- Importance of Social Presence (Garrison, 2000)



## Garrison, Anderson and Archer's Community of Inquiry





#### **Definition:**

Ability to project the self socially and emotionally, thereby being perceived as **"a real person"** in mediated communication.

Consisting of:

- Communication instructor & class
- Interaction instructor & class
- Creation of a learning community throughout the term
- Introduction > community > camaraderie

## **Teaching Presence**

Consists of:

- Instructional design
  - different methods of providing content
- Organization of the course
- Facilitation of the discussion
- Direct instruction and assisting students
  - with questions and understanding
- Moving the discussion through the four cognitive phases

Cognitive Presence

Teaching Presence

Teaching Presence:

significant factor in student satisfaction & perceived learning





## 2. Social Presence

SECTION TWO



## **Social Presence**

Being perceived as "a real person" in mediated communication

Creating a sense of **community and connection**,

It is important especially at the **beginning of the semester** when students are getting to know and **trust** both you and one another.

If students can make **interpersonal connections** with others, they are more likely to engage with the course and the content.

Indicators of Social Presence include:

- Affective responses (emotion, humour)
- Interactive responses
- (adding to threads, asking Qs, agreeing
- **Cohesive responses** (using students names, small talk)

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## Social Presence – Defined / Measured

- Short, et al. (1976) relates two types of behaviours to social presence:
  - 'intimacy' developed by Argyle & Dean (1965);
  - and '**immediacy**' developed by Wiener & Mehrabian (1968).
- Kreijns, Xu and Weidlich (2021)
  - 28 definitions & 21 measures of Social Presence

Abdullah (2004)	Gunawardena and Zittle (1997)	Picciano (2002)	<mark>Whiteside (2017)</mark>
Arbaugh et al. (2008)	Hassanein and Head (2007)	Ogara et al. (2014)	Sallnäs (2005)
Belderrain (2006)	Jung et al. (2002)	Remesal and Colombian (2013)	Shin (2013)
Biocca et al. (2001a)	Kang et al. (2007)	Russo (2000)	<mark>Tu (2002a)</mark>
Garrison (2009)	Kim (2011)	<mark>Short et al. (1976)</mark>	Tu and McIsaac (2002)
Garrison et al. (2000)	Kozan and Richardson (2014)	Sung and Mayer (2012)	Walther (1992)
<mark>Gunawardena (1995)</mark>	Moreno and Mayer (2004)	<mark>Swan and Shih (2005)</mark>	Yen and Tu (2008)

## How?

## How do we facilitate this social presence in online?

## What?

### We need a single Community Platform for all students and lecturers

## Why?

• One Stop Shop for all lecturer communications with a class

Lecturer included in conversations

• A place for students to talk about course material

Peer support for material

Real-time messaging

#### Desktop and mobile apps

## Why?

Notifications

 Can be used for synchronous and asynchronous classes

Supports Teacher Presence

Supports Social Presence



## Which ?

# **slack**



## 3. TutorStack

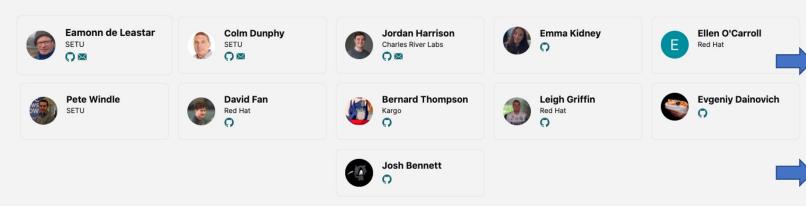
SECTION THREE

### TutorStack

- A framework supporting blended, online and digital learning BOLD
- with simple **insights** from learning analytics,
- representing an **unbundling of the LMS**,
- with **open**, **free**, or **low cost** solutions
- without product or vendor lock-in.
- It affords good online teaching competencies, and single person operation

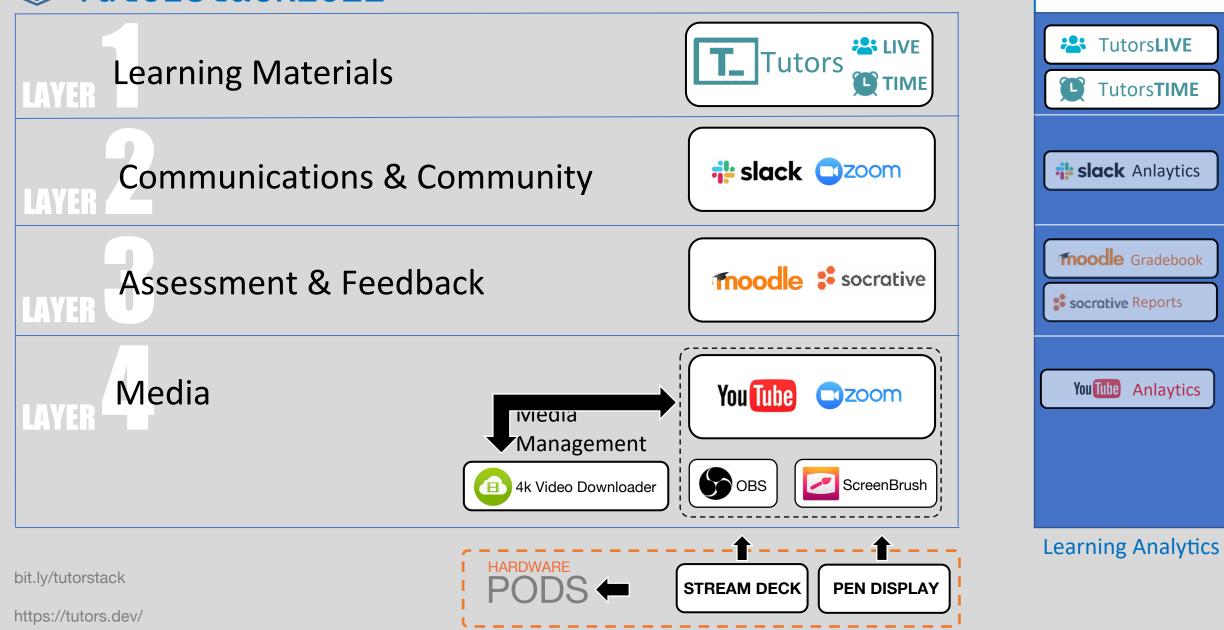


#### Contributors



OBJECTIVE	FACILITATED BY
(1) create a MOOC like online experience for a smaller private group (SPOC)	Entire framework
(2) use a single platform for communication	Slack
(3) use a content management system with a consistent and intuitive user experience	Tutors
(4) facilitate the creation of purpose built step-by- step (constructivist) guides for labs	Tutors
(5) maximise flexibility of delivery by accommodating different modes of learning, synchronous, asynchronous and self-directed using a similar workflow	Entire software framework
(6) facilitate streaming live and recording in Full High Definition (FHD) video content with the optimal playback options and interactions	Media Layer, PODs
(7) utilise open, free, effectively free, or minimal cost tools and technologies	Entire software framework
(8) simplify the production of high quality content enabling teachers spend more time enhancing student experience	Tutors
(9) facilitate providing on demand lab support outside of office hours for student's convenience	Slack
(10) capture and reveal to students and instructors, student interaction patterns	TutorsTIME
(11) and simulate <b>social aspect</b> of a live classroom experience to promote a sense of <b>community</b> and collective effort online	TutorsLIVE Slack

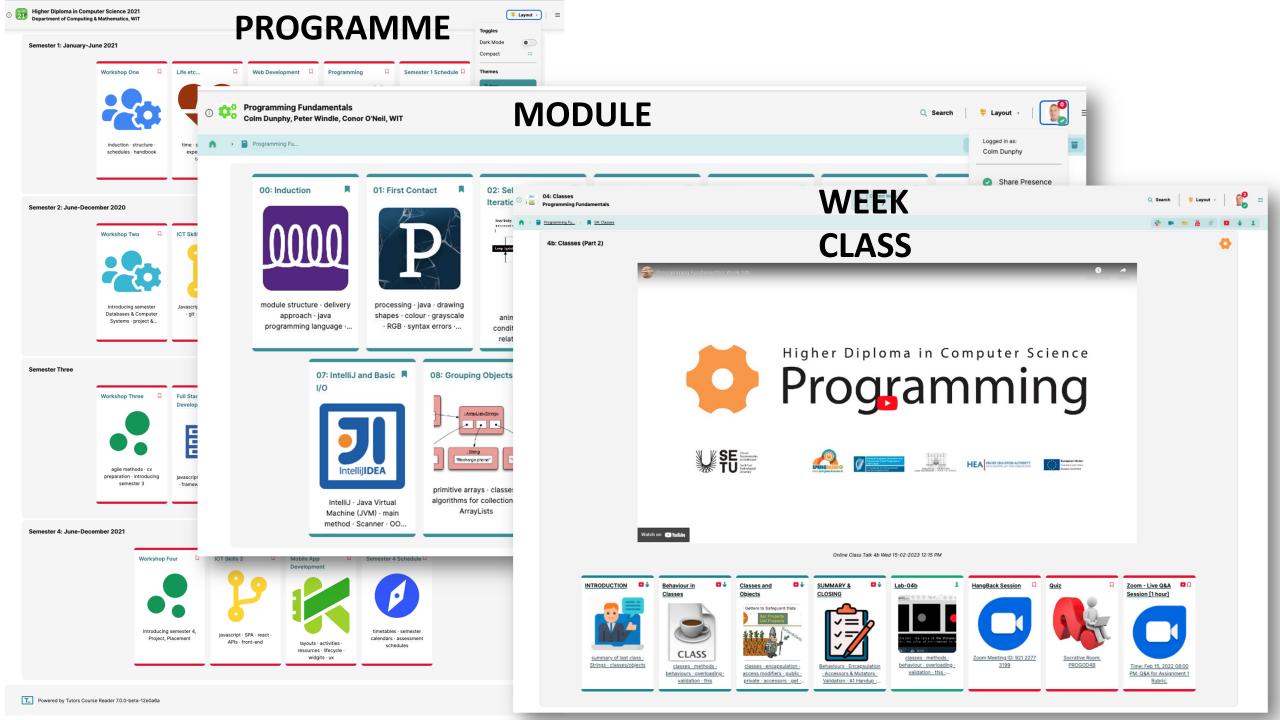
#### **TutorStack2022**

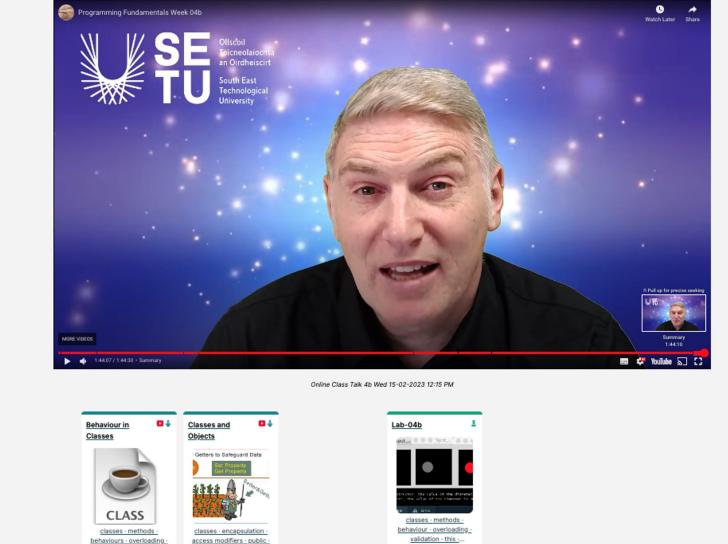


**INSIGHTS** 

### HDip in Computer Science (online) #famous-five







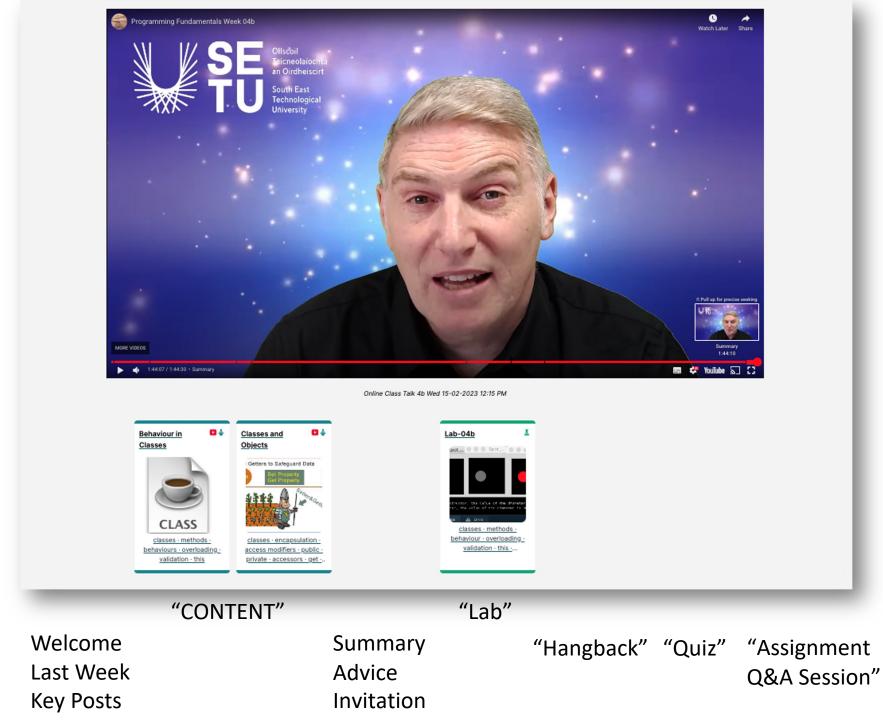
"Lab"

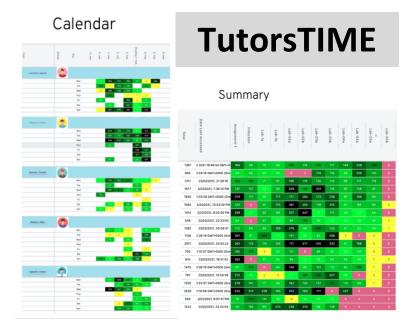
Video Slides Lab



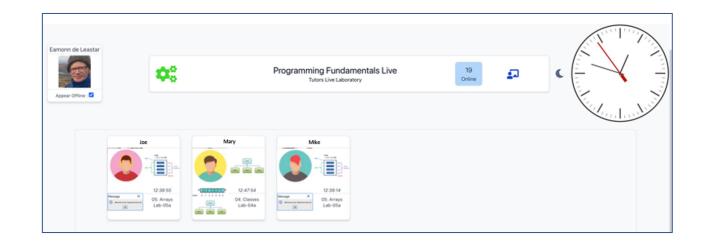
#### Chapterized Video

Broken into smaller Videos on cards with related content





#### TutorsLIVE



Identify students needing INTERVENTIONS

Who is working on the course (remotely) right now?What are they working on?Maybe we can chat about Lab4 – Exercise 2?

## **Companion Apps**

- Although available for the entire programme.
- Used to just run the applications.
- Now configurable, customised for each module

#### Socrative LIVE ROOM

**Slack Course Workspace** in which quizzes are teacher paced for live classes. Cards for each class have the alternative **ON DEMAND** ROOM links for each class which are Student paced. Recreates Tube the Live Expereince on Demand Zoom Hangback / **YouTube Playlist** for the module for a specific cohort

#### **Q&A Session** for the module

#### Moodle topic for the module

**Moodle** is configured as a single module for the entire programme (only used for summative assignment submissions).

### Building successful online communities using Social Presence

Balance of sync & async	• E.g. Synchronous at start. Facilitate similar experiences
Upload materials in advance of live sessions	• E.g. Weekly release at start of the week with announcement
Communicate clearly	• E.g. All Communications in one place
Informal videos / Sessions	• E.g. Weekly intros, #Life Etc., Time management, Social events
Smaller chunks	• E.g. Card Videos, chapterising videos
Design online activities to replicate incidental offline moments	• E.g. Hangbacks, virtual coffee breaks, Onsite Workshops
Find ways to connect with students	• E.g. Tutors Live (see students online – send DM)
Identify students who are struggling	• E.g. Tutors Time Insights (interventions)

## But start here...

- 1. Students need to be **invited**
- 2. Download the app and login
- 3. Establish the **instructor's presence** 
  - 1. Teach how to use through posts
- 4. Create **personal profiles** and **photos**
- 5. Use simple Ice Breaker introductions
- 6. Use announcements to build rapport
- 7. Share Stories #Watercooler
- 8. Promote Asking Qs
  - 1. "Getting over yourself"
  - 2. DMs/public
- 9. Real-Time synchronous discussions
- 10. Be **responsive** to students needs



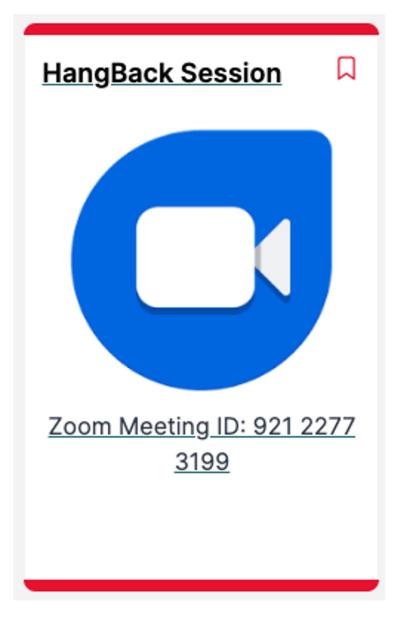
## Then Later...

- 1. Netiquette **messages** that are respectful, positive, encouraging, timely, and frequent
- 2. Promote peer learning
- 3. Blogging
- 4. Self & Peer Review with clear **Rubrics**
- 5. Use video feedback

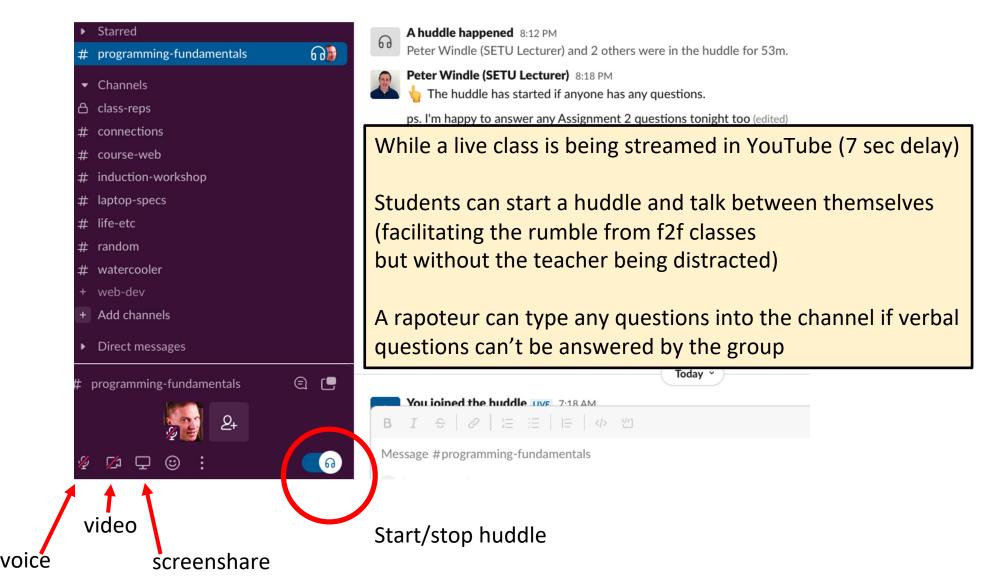


### Some Examples

## Hangback Sessions – after class



## Huddles – During a live streamed class



## **Homework Threads**



Colm Dunphy 4:48 PM

I would encourage you to do the **lab1a** tonight or tomorrow (at least the steps). You might like to post your exercises and challenge outputs in the threads below as you get round to them (edited)





Colm Dunphy 4:49 PM Microsoft-Logo (edited)



Solution for the second second



Colm Dunphy 4:49 PM



💽 🕅 💽 97 37 replies Last reply 2 months ago



**Colm Dunphy** 4:49 PM Microsoft Logo greyscale





Colm Dunphy 4:50 PM Media Player

September 2 months ago 2 months ago

## **Collaborative Posts** (Summarising class)





Week 3 - Methods Post

Calling all students - please edit this post

#### Monday 3a

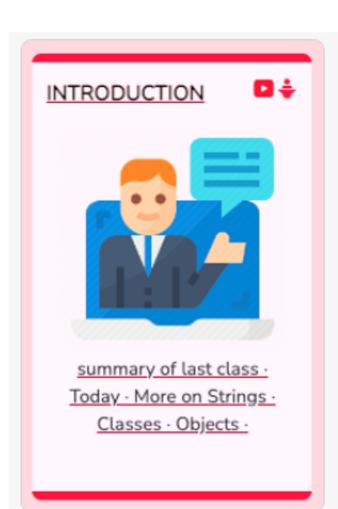
Please contribute to the summary of the class - by editing this post

We learnt about how to create & call our own Methods (or functions). Methods can be passed values and return values.

The Mouse event handlers (Methods) are Clicked, Pressed, Released, Moved &

## Themes

岸 Layout 👻
Toggles
Dark Mode 🔹
Compact :::
Themes
Tutors
Dyslexia
Valentines
Theme Builder



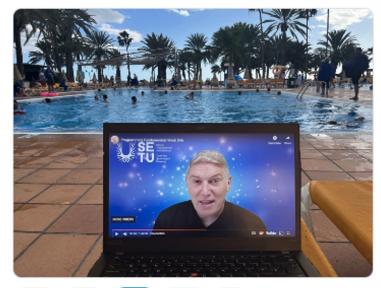
## **#watercooler**

• Student post while on holidays



on Wednesday

HowITShouldBe.png -





#### 1 reply



#### Colm Dunphy 24 days ago

"Coming to a multinational swimming pool in your country...this is Programming fundamentals LIVE from Waterford Ireland"

Û 5

## **#connections**

#### Thread

#### #general

Pinned by Colm Dunphy (WIT Lecturer)

Colm Dunphy (WIT Lecturer) Dec 17th, 2019 at 10:42 AM Welcome to Slack everyone,

It's great that you are posting messages already. We'd like to encourage this new community and invite you all to give a short and simple one sentence biography of yourself. But we'd like to keep all your responses together (before it gets mad!). So, if you hover over this message you can start a thread or reply to a thread. (edited)

🖕 1 🐨

#### 49 replies

Colm Dunphy (WIT Lecturer) 5 months ago

Hi I'm Colm, I'm 48 married with 4 kids, and work full time at WIT, I'll be teaching you Programming Fundamentals (edited)

- Student A 5 months ago
- Hi all, my name is Student. I'm an IT technician, looking forward to starting the course in January!

## Thanks

## The Practical Guide