

## Embedded Systems Essentials with Arm: Getting Started

### Module 4

#### W (4): Module 4 – Welcome and introduction

If you have a smart phone, you're familiar with interruptions. Social media notifications, text messages, even the occasional phone call – these all have the potential to disrupt your concentration and throw your workflow off track.

Your phone is familiar with interruptions too. Let's say a web page is in the middle of loading but you decide you want to answer a WhatsApp from a friend – you switch apps, interrupting your phone's programming. Or a notification pings across the screen, stopping the music you were listening too – that's an interruption too. You, the user, are getting your needs met while your phone has to cope with your ever-changing demands on its programming. Meanwhile, in the background, your device continues to quietly load webpages, update apps, and check the network for new messages.

Managing interruptions and prioritizing tasks is part of life for all of us, and it's a key part of programming and managing embedded systems.