

# Industry 4.0 & Digital Skills for Operators

As technology becomes ever-more embedded in all aspects of manufacturing & engineering, digital & Industry 4.0 skills were identified as a priority skills/upskilling need at our 2018 Manufacturing/Engineering Round-table at operator, technician & engineering level.

We took a two pronged approach to this area of needs. Building a taster digital coaching programme 'Explore' for operators & targeted Industry 4.0 programmes at technician & engineering level to equip them with the capabilities they require to compete in the Industry 4.0.

INTRODUCING

## THE EXPLORE PROGRAMME

*85% of jobs will involve some form of digital process by 2020 (EU Cedefop, 2018)*

*Free Digital Skills Training for the Manufacturing Sector in County Kerry*

**WHAT IS IT?**

- Digital skills coaching aligned to employer needs across a defined 6 week timeframe.
- Opportunity to boost employee digital skills, adaptability and productivity.

**WHO IS IT FOR?**

- Manufacturing companies interested in improving productivity and driving innovation.
- Employers supporting continuing professional development.
- Experienced employees with limited experience of technology.

**WHAT WILL BE COVERED?**

- Digital skills training relating to handheld and mobile technologies.
- Mentoring in key software packages [email; excel; word; sharepoint; powerpoint; video-conferencing]
- Expert digital coaching on project work relating to company activities.
- Offsite visits to training and education facilities.



**WHEN?**  
Programme Duration: W/C 13th May to W/C 17th June

**Off-Site Training:**  
Week 1: Half day Induction, 15th May  
Week 2 & 6: Full day digital skills workshops, 22nd May & 19th June

**COST?**

- All training 100% funded by Department of Education & Skills
- Release of employees for 2.5 days training over 6 weeks & .5 days mentoring at work
- Digital lap top provided as part of Explore learning materials

**FOR MORE INFORMATION, CONTACT:**  
Siobhan Bradley, Regional Skills Manager, South-West  
Email: [siobhanbradley@regionalskills.ie](mailto:siobhanbradley@regionalskills.ie)  
Tel: 087 7033176

## Digital Skills for Operators

The first Explore programmes were delivered in 2018 and the programme is now offered multiple times annually by both Cork & Kerry ETBS. Explore is a 100% funded 6 week introductory programme, where the employer & staff member pick a work related digital project and a digital coach provides 1-1 training & coaching supports through 2.5 days digital work shops & one onsite visit to help the staff member develop their digital skills in a work relevant area.

More than 30 companies & 80 operators have taken Explore since 2018 and many have gone on to complete ECDL, Excel, Microsoft and further upskilling programmes thereafter. For many, it is the first step in their digital learning & upskilling journey in manufacturing & engineering.

# INDUSTRY 4.0 SKILLS FOR TECHNICIANS & ENGINEERS

Led by DePuy Syntheses, the Forum established an Industry 4.0 SME Group to explore needs at technician/engineering level & most consistent skills sought by companies.

The Forum facilitated industry group meetings with UCC, and MTU Cork/Kerry to build solutions to industry reported gaps.

Two new programmes were successfully developed and 90% Springboard funding secured for both & the South-West journey of targeted industry 4.0 upskilling got underway with the kick-off of both programmes in the autumn of 2019 to excellent company uptake.


Both programmes are now offered on an annual basis.


## Developing Industry 4.0 Capabilities in Your Company

### New CIT and Tralee IT 90% funded Industry 4.0 upskilling programmes

These part-time industry focused programmes have been developed in collaboration with leading advanced manufacturing MNCs and SMEs and the Institute's of Technology's Computing & Engineering Departments, as a professional upskilling solution to key skills needs as identified by the advanced manufacturing & engineering sectors in the South-West region.

Commencing  
September 2019  
Part-time,  
Online Delivery

 Industry 4.0 & the Industrial Internet of Things (Level 8, 30 ECTS)
Semester 1:
Instrumentation & Interfacing
Industrial Internet of Things: Applications
Industrial Networks, Distributed Systems & Cloud Comp
Semester 2:
Industry 4.0: Cyber Physical Systems
Machine Learning/Data for IoT

 CORK INSTITUTE OF TECHNOLOGY CIT	Intelligent Manufacturing Systems (Level 9, 30 ECTS)
Semester 1:	Industrial Data Analysis
	Automation with Python
Semester 2:	Robotics & Autonomous Systems
	Machine Prognostics

Programmes are 90% funded through Springboard+.

Early application is recommended.

For further information & to apply visit:  
[springboardcourses.ie](http://springboardcourses.ie)



Springboard+ is co-funded by the Government of Ireland and the European Social Fund as part of the ESF programme for Employability, Inclusion & Learning 2014-2020.



Participants will acquire the skills necessary to contribute effectively to operate in the factory of the future, bringing manufacturing through to the next level envisaged by Industry.

**CIT:** [camms@cit.ie](mailto:camms@cit.ie) ☎ +353 21 432 6264

**IT Tralee:** [lifelonglearning@ittralee.ie](mailto:lifelonglearning@ittralee.ie) ☎ +353 66 719 1701