

Trainer Name	Dr Hassan Kaghazchi
Trainer Details	PhD, MEng, BEng, CEng, Senior Member ISA, ISA Certified Automation Professional (CAP) An automation professional with over 30 years' experience in Research and Development, Education, Training, and Consultancy in the field.
Course Title	Basics of Industrial Automation
Aim	<ul style="list-style-type: none"> <li>To provide the participant with a basic understanding of the industrial automation, and the function of each component within an automated system. The areas covered are sensors, PLC, VFD, Robots, CNC, HMI, fieldbuses, OPC and SCADA systems.</li> </ul>
Content	<ul style="list-style-type: none"> <li>Introduction to Industrial automation</li> <li>Sensors</li> <li>Programmable Logic controllers (PLC)</li> <li>Variable Frequency Drives (VFD)</li> <li>Robots, Computer Numerical Control (CNC)</li> <li>Human Machine Interface (HMI)</li> <li>Basics of serial communications</li> <li>Wired Communication (PROFIBUS, PROFINET)</li> <li>Wireless Communication (WiFi, Bluetooth, Infra-Red)</li> <li>Open Process Control (OPC)</li> <li>System Integration</li> <li>Supervisory Control &amp; Data Acquisition (SCADA)</li> </ul>
Duration	1 Day
Location	Ireland & International
Who should apply	Senior Engineers and Managers
Certification	NA
Number of places	8 per course
Training methods	Theory & practical sessions using the most comprehensive training and AV equipment.
For further information	<p><b>PROFIBUS Ireland</b>  <b>Automation Research Centre</b>  <b>University of Limerick</b>  <b>061-202107, 061-240240</b>  <a href="mailto:training@profibus.ie">training@profibus.ie</a>  <a href="http://www.profibus.ie">www.profibus.ie</a></p> 