



Applied Research for An Impact

Smart Empower Innovation Labs is a research and development company based in Canada. We specialize in field of machine learning, data science and embedded computing. We provide R&D, consulting, and technical education services.

Website: www.smartempower.ca

Email: info@smartempower.ca

Smart Empower Innovation Labs
1306 5328 Calgary Trail NW
Edmonton, AB, CANADA



Website: www.smartempower.ca
Email : info@smartempower.ca

Smart Empower Innovation Labs

Technical Education Services



Technical Education Services

- In this ever-changing field of intelligent connected systems, we offer hands-on specialist training courses in embedded systems, signal processing and data science.

DSP & Embedded Computing Route



The field of embedded systems is reshaping the way we live. By 2020, it is estimated that 26 billion devices will be on the internet. Studies estimate that 4.5 million developers are needed for IOT applications. The demand for technically trained individuals has skyrocketed.

Fundamentals of Embedded Systems Design Track

This track covers the fundamental background and skill set required to enter the embedded systems paradigm. The topics covered in this track are essential for every embedded system engineer.

Courses in this track:

Embedded Systems Job Interview 101.
Fundamentals of Embedded System Design
Embedded System Programming – Embedded C

Advanced Embedded System Design Track

The topics covered in this track span the areas of low -power design, embedded systems design for IOT, and writing portable device drivers.

Students learn world class designs tips and skills.

Internet-Of-Things: A developer's guide.
Embedded Device Driver Design
Fundamentals of Low-Power Embedded Design.
Fundamentals of PCB Design

DSP & FPGA Track

This track provides in-depth training in areas of digital signal processing and Field Programmable Gate Arrays (FPGA).

Digital Design Using VHDL and FPGA
Fundamentals of Digital Signal Processing
DSP Using SciLab
Embedded DSP design

Machine Learning and Data Science Route



We live at a time where abundance of data around us is changing the way we interact with our world. Our machine learning and data science training portfolio provide in-depth technical education needed to advance one's career

Every industry is rediscovering the potential benefits that it can unlock using machine learning, data science and predictive analysis techniques. This has created a surge in the need for machine learning and data science specialists.

Courses offered:

SciLab Machine Learning and Data Science Boot Camp
Python Machine Learning and Data Science Boot Camp
Fundamentals of Machine Learning and Data Science
Signal Representation for Machine Learning.

Members Of:

- Alberta Smart City Alliance.**
- Texas Instrument(TI) Design Network.**