RESEARCH AND INNOVATION PRECINCT

DIGITAL INNOVATION HUB

Transform your organisation by collaborating with La Trobe University to create, build and test prototypes that solve your real digital business challenges.

La Trobe University's new Digital Innovation Hub is a technology application Experience Centre.

It provides organisations access to advanced facilities to problem solve digital solutions for their business through collaboration with experts in artificial intelligence (AI), Internet of Things (IoT), software development, data analytics and networking.

The Digital Innovation Hub is powered by the co-location of three leading digital labs in the one facility: La Trobe's Centre for AI and IoT; Cisco Innovation Central Melbourne, and the Optus 5G Lab.

The hub assists businesses to grow by transforming their products, services and processes through the integration of digital technologies.

It enables commercial grade prototyping, testing and the commercialisation of digital solutions that can be practically implemented within a business.

YOU CAN FIND THE DIGITAL INNOVATION HUB ON LEVEL 2, JENNY GRAVES BUILDING, MELBOURNE BUNDOORA CAMPUS.

HUB CAPABILITIES AND FACILITIES

Capabilities

- Artificial intelligence and machine learning
- CISCO industry leading technology, engineers and solution designers
- 5G co-design, implementation and hands-on training led by Optus specialists
- 5G testbed and network capability
- Advanced networking for IoT
- Rapid systems and solution prototyping
- Advanced prototyping equipment and collaboration spaces
- University Research capabilities in AI, IoT and data analytics
- Workforce development through bespoke skills training, executive education and student talent
- Dedicated Digital Innovation Hub Manager to identify solutions for your business and ensure project delivery

Facilities

- Purpose-built, state of the art facility for industry collaboration
- CISCO Innovation Central Melbourne
- Optus 5G Lab
- Collaboration Spaces & Tools
- Maker Labs/Workshops
- Co-working Spaces and Design Studio
- Advanced presentation technologies for large scale events
- On premises GPU cluster and data centre for machine learning
- Single point to access capabilities and expertise across La Trobe University's campus network

SERVICE MODEL

RAPID SYSTEMS AND SOLUTION PROTOTYPING

- The Digital Innovation Hub is well-equipped with advanced prototyping equipment and collaboration spaces to build commercial grade prototypes of hardware and software
- Access to a laser cutter, 3D printer and a circuit board 'printer' in our Maker Space

MARKET TESTING SOLUTIONS

- Test product attributes in your sample target market to gather feedback for potential improvements
- Usability testing
- The Digital Innovation Hub can field large-scale quantitative surveys, facilitate qualitative interviews and provide on-going consultations

BRING PRODUCT TO THE MARKET

- Use case development and commercialisation
- Ideate and navigate prototyping into translated tech solutions
- Implement bold digital solutions
- Access to a network of start-ups and entrepreneurs
- Access to Cisco Research Fund

PROTOTYPING AND TESTING

MARKET INTELLIGENCE

COMMERCIALISATION

MULTI-DAY DESIGN SPRINTS

LA TROBE UNIVERSITY

DIGITAL TRANSFORMATION

BUILDING ORGANISATIONAL CAPABILITY

DISCOVER MORE:
latrobe.edu.au/digitalinnovationhub

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LA TROBE UNIVERSITY

INNOVATE AND CREATE

EXPLORE AND LEARN

Through the Digital Innovation Hub, leading corporates organisations are able to explore, learn and pilot new services. For example measuring the occupancy and utilisation of workplaces to create measurable cost savings and help offices be smarter about how they are powered to save electricity and reduce GHG emissions.

Outcomes:

- Advanced data analytics and visualisation of energy usage and workplace design delivered cost savings through reduction in energy consumption.
- Data visualisation provided key support for executives to implement transformation programs in workplace and building usage.

COLLABORATE

The Digital Innovation Hub is currently collaborating with hospitals in developing telehealth prototypes such as the Victorian Virtual Emergency Department (VVED). The VVED uses augmented reality, collaborative technologies and machine learning capabilities to enable remote triage and treating of patients with non-life-threatening conditions without requiring a in-person assessment by a healthcare specialist.

Outcomes:

- System successfully trialled with a hospital network delivered improved experience for patient and healthcare professionals using telehealth systems and monitoring devices
- Trials to be expanded to 10-20 residential aged care facilities and 20 additional hospital systems.

BUILD AND PROTOTYPE

Taking ideation to reality – we're here to help you build, test, review, commercialise and implement your custom digital solutions to improve your organisational needs.

The Digital Innovation Hub works with organisations to build, test, review, commercialise and implement custom digital solutions. Across all sectors organisations can use data visualisation companies to develop and implement machine learning capabilities that can monitor a variety of commercial operations. We work on initiatives within AgTech, hospitals and corporate data visualisation to improve decision making.

Outcomes:

- Digital technologies lead to improved agriculture yield and lower input costs through reduced use of fertilisers or disease control agents.
- Digital Technologies lead to improve patient outcomes and enhanced clinical processes
- Digital Technologies lead to Net Zero and sustainability for corporate real estate.

PROCESS

PEOPLE

SCIENTISTS
DESIGNERS
STUDENTS
RESEARCHERS
SYSTEM ENGINEERS

▼

PROCESS

SCOPING AND COSTING
LEARN BY EXPERIENCE
BUILD AND PROTOTYPE
SHOWCASE YOUR WORK

▼

OUTCOME

COMMERCIAL PROTOTYPES
INSIGHTS
WORKFORCE IMPROVEMENTS
EXECUTIVE DEVELOPMENT