



Software Engineering Bootcamp

PROGRAM OVERVIEW

The Software Engineering Bootcamp is an intensive 16-week program designed to equip Indigenous Australians with essential programming and software development skills. This Bootcamp offers a balanced combination of in-person and online learning, providing participants with hands-on experience in programming languages like Python or Java, object-oriented programming (OOP), advanced web development, and software engineering principles such as agile methodology. 1-1 mentoring from Indigenous and academic staff support student participants to excel and build confidence in their new abilities.

TRAINING EXCELLENCE

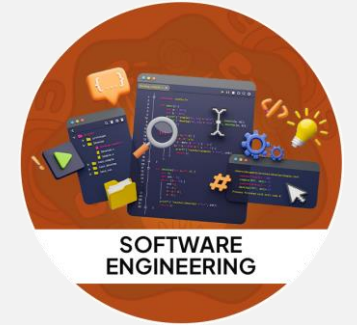
Participants will learn from top computer programming educators, gaining practical knowledge and foundational software programming skills. Student mentoring program ensures student confidence builds throughout program.

SOFT SKILL DEVELOPMENT

Curriculum includes the development of core soft skills that students will need to thrive in commercial software engineering environments: independent learning, teamwork, ethical behaviour, and presentation skills

PROGRAM OUTCOMES

Participants will build a portfolio throughout the course, enabling them to practically showcase their capabilities in preparation for applications to entry-level software engineering roles at the completion of their studies



SOFTWARE ENGINEERING

Learning Units:

1. Introduction to Programming
2. Complex Data Structures
3. Object-Orientated Programming (OOP)
4. Software Development Practices
5. Software Engineering Principles
6. Web Development and Cloud Computing