INSIDE INFORMATION TECHNOLOGY

INDUSTRY INSIGHTS & CAREER OUTCOMES

CREATING
SUCCESS
TOGETHER

KAPLAN | BUSINESS SCHOOL
AUSTRALIA

WITH THE FAST-CHANGING DIGITAL LANDSCAPE IN AUSTRALIA AND TECHNOLOGY DRIVING INNOVATION AND PROGRESS, THE DEMAND FOR TECH TALENT IS HIGH.

Businesses are seeing technology as essential for operational efficiency, human productivity, security and competitive advantage.

IT professionals are enjoying job security and strong salary growth. They can work across multiple industries, focus on innovation and use technology to better people's lives.
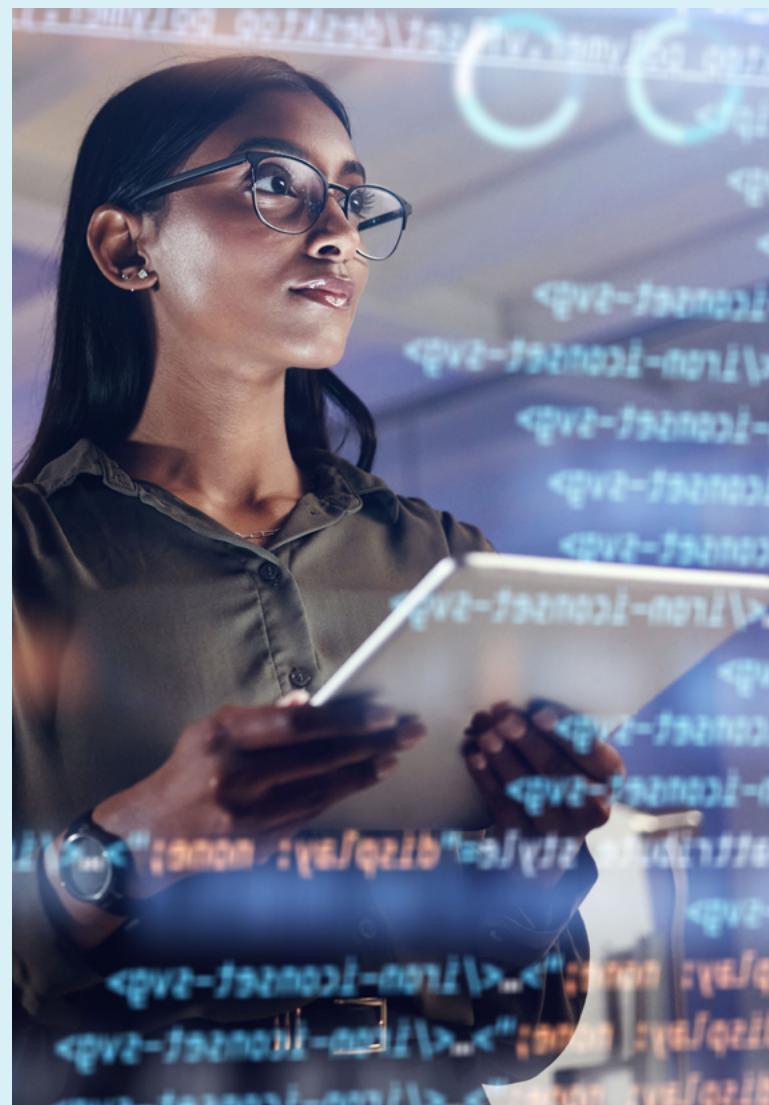
16%
AVERAGE YEARLY GROWTH OF AUSTRALIA'S IT SECTOR

Why Australia Digital Technology report

$250 BILLION
FORECASTED CONTRIBUTION OF THE TECH SECTOR TO THE AUSTRALIAN ECONOMY BY 2030

Why Australia Digital Technology report

312,000
NUMBER OF TECH SKILLED WORKERS NEEDED IN AUSTRALIA BY 2030 TO MEET DIGITAL TRANSFORMATION GOALS.

ACS Australia's Digital Pulse 2024

INDUSTRY INSIGHTS

IT PROJECT MANAGER

is consistently ranked among the top 10 most in-demand roles in Australia due to ongoing digitisation initiatives.

SEEK, Top IT Jobs in Demand 2025

IT CONSULTANTS

are benefiting from the cross-sectoral push to integrate AI, automation, and data analytics into business processes. This role is one of the fastest-growing, especially within government and finance.

Deloitte, Technology Consulting Trends

Demand for

CLOUD COMPUTING

skills continues to grow rapidly, with **over 50%** of Australian businesses already operating in hybrid or full-cloud environments.

Gartner, Cloud Adoption in Australia

QUALITY ASSURANCE AND TESTING

roles are becoming more strategic, with a **21%** global increase in automated testing demand in 2024, influencing local hiring trends in Australia.

Capgemini, World Quality Report 2024

OUR COURSES

MASTER OF INFORMATION TECHNOLOGY

Our **Master of IT** is suitable for students who want to develop the technical efficiency to become a sought-after expert in a high-growth industry. You will develop the ability to apply a range of technological and programming concepts and tools to implement IT-related solutions to business and industry problems.

Learn about our other IT courses.

All KBS students enrolled into an IT course receive free membership to the **Australian Computer Society.**

CAREER OUTCOMES

Systems Analyst

Cloud Architect

Blockchain Developer
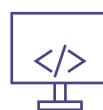
Software Engineer

IT Consultant

MASTER OF IT (EXTENSION)

The **Master of IT (Extension)** will give you opportunities to explore other areas of the industry while learning leadership strategies and skills. You will learn how to formulate, advise and implement business solutions using technology-based approaches and effectively communicate solutions to a diverse range of stakeholders. You will graduate with the ability to construct, manage and operate in diverse expert teams to oversee technological initiatives.

CAREER OUTCOMES

Data Engineer

Software Developer

Multimedia Specialist

IT Project Manager

Security Architect

SPECIALISATIONS

Our Master of IT offers **4 specialisations** in line with industry demand: Analytics, Programming, Cyber Security and Web & Mobile Development.

ANALYTICS

With the fast adoption of digital technology, businesses and governments now have access to vast amounts of data. By 2025, more than 150 zettabytes of big data will need analysis and the **annual revenue of the global big data analytics market** is predicted to reach $68.09 billion.

Machine learning, a branch of AI, is often applied as part of advanced analytics. It focuses on the development of algorithms that enable computers to learn from data and make decisions and predictions (without explicit programming).

Analysts and machine learning specialists are in high demand as they can help deliver insights from big data for companies to use in strategic decision-making.

The Australian data analytics market was valued at A$2 billion in 2024 and is projected to reach A$19.08 billion by 2034, with a compound annual growth rate of 25.3%.

Expert Market Research

The machine learning industry in Australia was valued at A$1.77 billion in 2024 and is projected to reach A$85.7 billion by 2034.

Expert Market Research

AI and Machine Learning specialists will be one of the fastest-growing jobs between 2025–2030.

Kaplan Business School, Top 5 In-Demand jobs in IT (Australia, 2025)

In our Analytics specialisation, learn how to discover, interpret and analyse data for effective decision-making and how to create machine learning models that improve business performance.

CAREER OUTCOMES

Database Analyst

Database Administrator

Data Centre Technician

Network Analyst

PROGRAMMING

The Australian tech industry is booming with software leading at 13.4% growth. According to Jobs and Skills Australia's Occupation Projections, employment for Software and Application Programmers in Australia is projected to grow by 27% by 2026, adding around 42,200 jobs.

Australia's IT software sector is expected to lead tech spending in 2025, growing by 13.4% to A$45.85 billion, reflecting a surge in demand for software developers.

Kaplan Business School, Top 5 In-Demand jobs in IT (Australia, 2025)

Programming languages such as Python, Java, and JavaScript remain the most in-demand skills in 2025 due to their versatility and adoption in AI, web and backend systems.

Analytics Insight, Top Programming Languages 2025

In our Programming specialisation, learn the knowledge and skills that support the development, testing and maintenance of applications and how to use mathematical modelling to resolve complex business problems.

CAREER OUTCOMES

Software Tester

Network Engineer

Programmer

Software Analyst
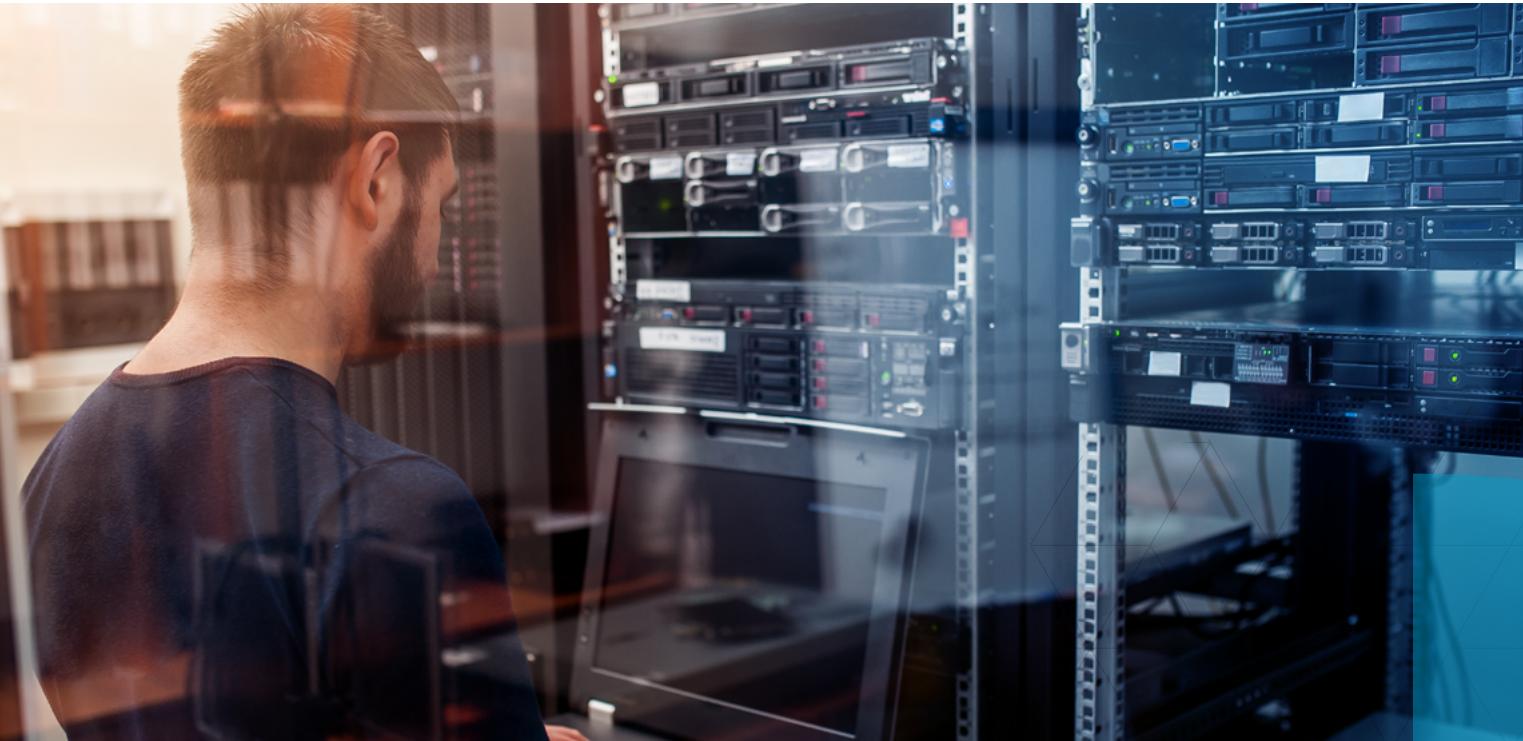
CYBER SECURITY

We are living in an increasingly digitally-connected world where computers and smart devices have become the centre of our lives. Cyber security professionals are needed to help keep people's sensitive information and digital assets safe and secure and to fight against the rise of online attacks that are becoming more complex and unpredictable.

The **World Economic Forum** has reported that a global shortage of cyber security experts will reach 85 million by 2030. Today, 4 million workers are needed in the cyber security industry worldwide. The **Australian cyber security market size** is expected to reach US$19.57 billion by 2030.

Australia will require at least 30,000 more cyber security professionals by 2026 to meet increasing demand.

Asset College, Cyber Security Workforce Gap

Demand for cyber security talent has surged due to increasing threat complexity and frequency, leading to a national skills shortage.

Robert Half, Cyber Security Demand

In our Cyber security specialisation, you will learn how to use digital forensics to detect and prevent cybercrime and how to utilise Bitcoin – one of the fastest growing technologies – to upgrade contemporary commerce and security services in business.

CAREER OUTCOMES

Security Administrator

Data Security Analyst

Cyber Intelligence Specialist

Digital Forensics Analyst
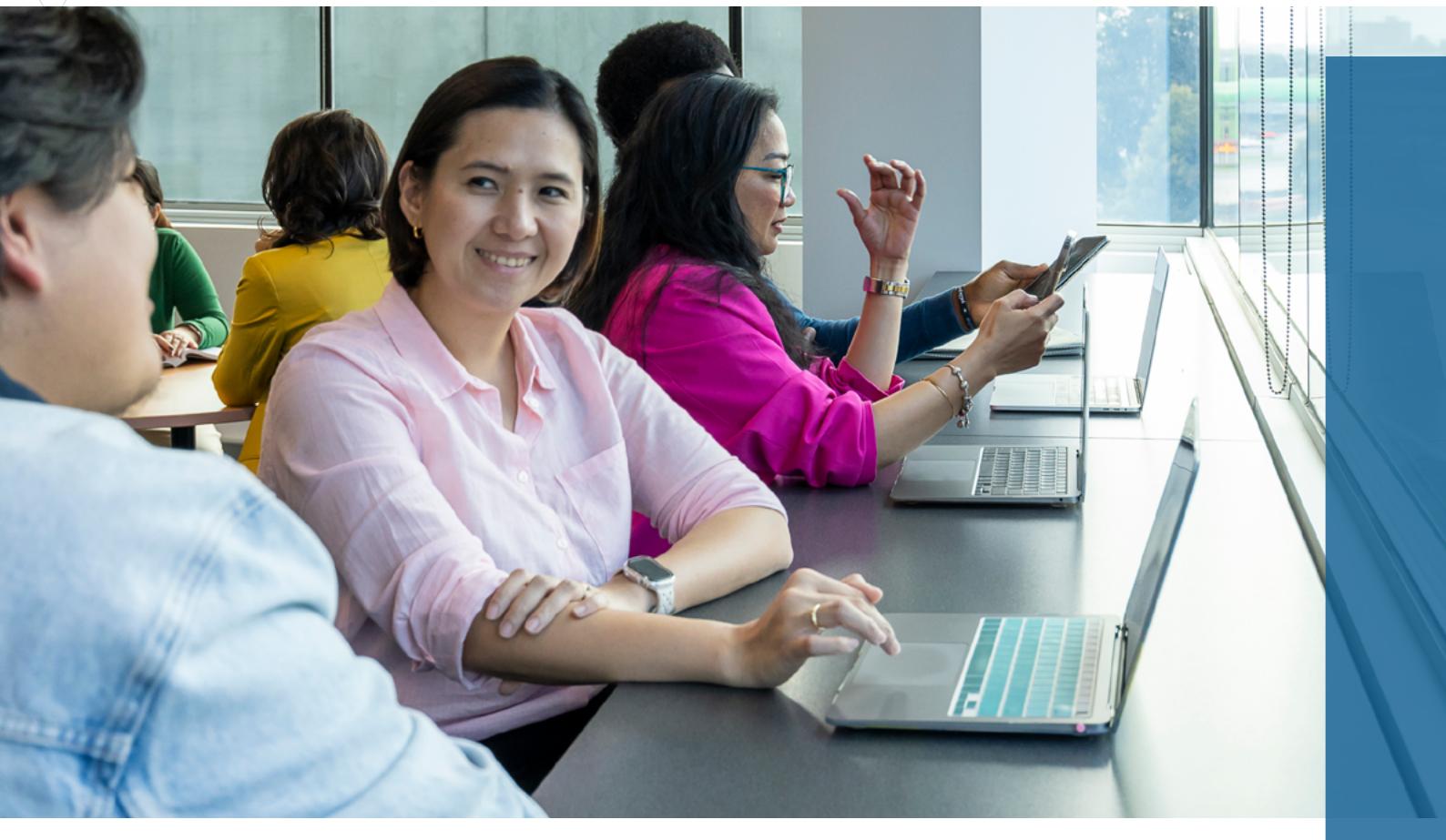
WEB AND MOBILE DEVELOPMENT

As businesses in Australia increasingly shift towards digital platforms, web and mobile development services have become an essential tool. Companies are seeking developers who can create innovative and tailored web and mobile solutions that are visually appealing, user-friendly, functional and secure. Industry growth has been fuelled by increased smartphone use, a rise in e-commerce and government initiatives.

91% of Australians use smartphones, pushing companies to adopt mobile-first web development strategies.

ByteVault Infotech, Mobile Development in Australia

The web development market in Australia continues to grow due to high demand from e-commerce, fintech, and media.

MarkWide Research, Web Development Market Trends

Employment for Multimedia Specialists and Web Developers is expected to grow in line with the expansion of Australia's digital economy.

Jobs and Skills Australia, Multimedia/Web Developer Outlook

In our Web and Mobile Development specialisation, you will learn how to develop software applications on web and mobile devices to solve and improve organisation problems.

CAREER OUTCOMES

Multimedia Developer

Software Developer

Web Designer

Front End Developer
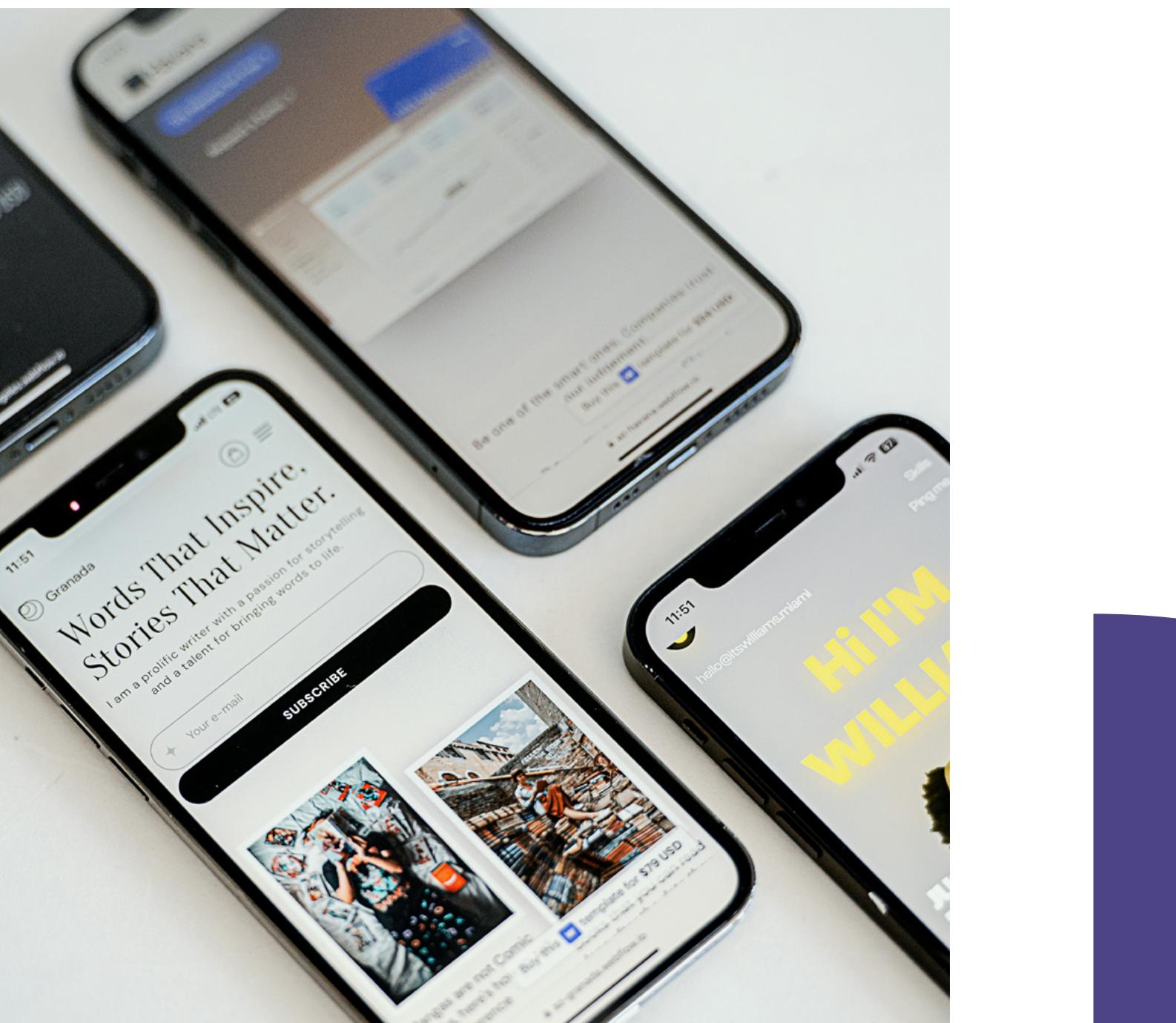
SOFTWARE & AI TOOLS

We provide the latest industry software and AI tools for our students to use such as:

Coding & Programming

Notepad++

PyCharm Community Edition

Python

RStudio Desktop

RTools 4.2

Data Analysis, Management & Visualisation

Exploratory Desktop

MySQL Installer - Community

MySQL Workbench 8.0 CE

Orange

Power BI Desktop

Tableau Desktop

RLanguage

RLanguage v4.2.2

Network Design

Cisco Packet Tracer

GNS3

Software Development

IntelliJ IDEA Community Edition

Android Studio

Visual Studio Community Edition`
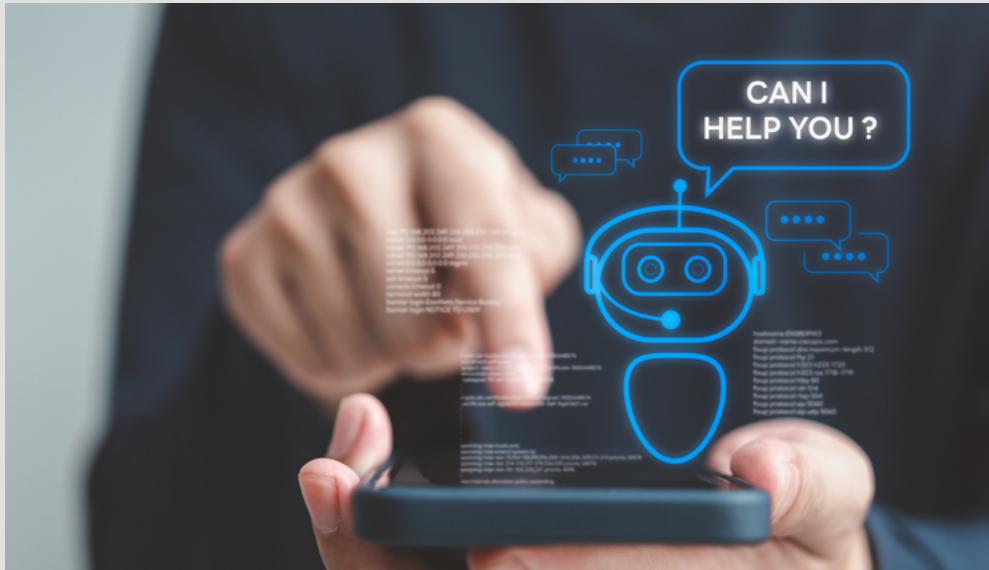
GENERATIVE AI

We recognise the transformative potential of GenAI in the IT industry. Our curriculum is designed to incorporate GenAI tools into commonly used IT applications such as Python, Wireshark and Packet Tracer. This integration helps our students utilise GenAI as an assistant tool, enhancing their productivity and problem-solving skills. By embracing GenAI, our graduates become job-ready and adaptable in the evolving technological landscape.

Students who used AI tutors learned more than twice as much in less time compared to traditional in-class instruction.

Harvard University. Source: Axios

Integrating GenAI tools like ChatGPT into educational settings can significantly enhance students' learning performance by boosting self-efficacy and creativity.

SpringerLink

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