

CAPABILITY STATEMENT

The University of Wollongong in India



UNIVERSITY
OF WOLLONGONG
AUSTRALIA · DUBAI · HONG KONG



The University of Wollongong is a multi-campus international university, with our courses and research capacity geared towards excellence at a global level. Our collaborations in India stretch across education, government and industry.

The University of Wollongong is one of Australia's leading teaching and research universities, attracting significant numbers of Indian students to both its Wollongong campus and the University of Wollongong in Dubai (UOWD).

We are one of the top 25 best modern universities globally and among the world's top 1 per cent for graduates as rated by global employers, according to the international Graduate Employer Survey (2017 QS Graduate Employability Rankings).

The number of Indian students studying at the University of Wollongong has increased significantly over the past two years. In 2017, we have over 2,100 Indian student enrolments (1,041 studying onshore; 1,047 at University of Wollongong in Dubai; and 54 students at offshore locations including Singapore, Malaysia and Hong Kong). Indian students form the second-largest international cohort at UOW.

We encourage international research collaboration, responsive to local industry and government needs, and actively support staff and student exchange to develop a truly global perspective.

The University of Wollongong brings to India outstanding research in innovative materials and mining and energy, environmental sustainability, human resources, management, logistics, statistics, surveying, infrastructure management, modelling and research, business entrepreneurship and the practice of corporate social responsibility.

Indian corporations are also realising the advantages of setting up Australian operations at the University's Innovation Campus, a 33-hectare research and development beachside precinct close to the University's Wollongong campus.

In 2016, the iAccelerate Centre was opened at the Innovation Campus. This is UOW's purpose-built business incubator and accelerator, which features plug-and-go expandable space for more than 280 entrepreneurs. This initiative is creating further opportunities for our research centres to explore the potential commercial applications of their work.

Mining into the future

The University of Wollongong has developed a strong academic and research focus on mining technologies and materials engineering to support the local industry. We offer a full suite of engineering, ICT, Environmental Science and Occupational Health, Management and Business courses both for award, non-award and professional development related to mining.

The University of Wollongong has joined with the Government of Gujarat to be the international knowledge partner in the development of the International Centre of Excellence in Mining Automation and Safety (iCEM) in Gujarat.

Gujarat government, through its Gujarat Mineral Development Corporation, has established the centre near Ahmedabad and the University of Wollongong is actively participating with national institutional partners Pandit Deendayal Petroleum University and the prestigious IIT Kharagpur.

iCEM, which became fully operational in 2016, is providing professional development and training for the mining sector, including Masters programs and PhD research, as well as industry-related R&D, workshops and conferences.

In Wollongong, the University's School of Civil, Mining and Environmental Engineering (CME) has a world-class reputation for excellence in research, innovative approaches to teaching and learning, and laboratories and workshop facilities that are among the best in Australia.

Information technology

India has a global reputation for the strength of its Information Technology sector, which is also one of the strengths of the University of Wollongong. We are focused on creating a lasting impact that contributes to the needs of communities and empowering people to achieve their aspirations.

We produce more than 800 IT graduates each year in areas such as computer science, computer engineering and IT-focused electrical engineering.

The University of Wollongong has one of Australia's largest university-based IT research facilities at its Innovation Campus – a high-tech research, development and commercial precinct that gives organisations the opportunity to co-locate with key University of Wollongong research institutes.

Wollongong – a beachside location one hour from Sydney - is home to a significant number of technology-based companies, many of which were established by University of Wollongong graduates.

Wollongong has attracted a number of multinational and national companies, all eager to tap into the large pool of job-ready ICT graduates from the University of Wollongong. The University also has links with major players in India's IT industry, including Infosys.

The University of Wollongong has the capability to become Australia's answer to Silicon Valley. Let's not forget the University developed the world's second successful UNIX port in the 1970s – with the development spawning a company in Silicon Valley called the Wollongong Group, made up of University of Wollongong staff and graduates.

Research and industry links

In this time of unprecedented change, the University of Wollongong is committed to new and emergent industries that lead to the creation of future jobs.

The University of Wollongong's research collaborations include multi-functional materials research, molecular and life sciences, software development, railway engineering and mining technologies. Our capability is built on many years of experience in supporting major Australian and international engineering asset owners.

We are in partnership with the Indian Institute of Technology Kharagpur to deliver joint PhD programs across multiple disciplines including mining and related engineering, rail transport and social sciences.

Our partnership with IIT Bombay focuses on engineering power systems and other allied areas such as battery management and integration of renewables into a SMART grid.

UOW has also been involved with IIT Chennai in Robotic Welding Research.

In 2015, the University also announced a new PhD research scholarship to support the development of the International Centre of Excellence in Mining Automation and Safety (iCEM) in Gujarat. The scholarship, to undertake a PhD in Mining Engineering or a related discipline, is open to candidates proactively involved with iCEM.

Professional development

The University of Wollongong academics are leaders in their field, providing governments and international corporations with customised staff education programs.

By linking applied research and teaching, we develop high impact, cost effective and customised education programs that meet business needs. Customised masterclasses include:

- Energy and environment
- Leadership and business management
- Public administration
- Asset Management
- Manufacturing and infrastructure
- Specialist teacher training for higher education
- Health and safety
- Public policy

Community engagement

The Bradman Foundation Scholarship is named in honour of the world's greatest ever cricketer, Sir Donald Bradman.

It is awarded annually by Australian cricketering legend Adam Gilchrist AM to an Indian student who has completed secondary school and demonstrates strong academic, sporting, personal and social skills as well as strong participation in cricket.

The University of Wollongong is the university of choice for many Indian students and the scholarship combines quality education and the love of cricket across both countries.

Gilchrist has been the University's Brand Ambassador since 2008, assisting the University to develop its international links. He assists University delegations at meetings with Indian government and business leaders, hosts corporate functions and meets prospective students and the Indian media, proactively facilitating greater engagement between Australia and India.



UOW Brand Ambassador Adam Gilchrist AM and UOW Vice-Chancellor Professor Paul Wellings CBE

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The University of Wollongong attempts to ensure the information contained in this publication is correct at the time of production (March 2017); however, sections may be amended without notice by the University in response to changing circumstances or for any other reason. Check with the University for any updated information.

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