

UQ Summer Research Project Description

Please use this template to create a description of each research project, eligibility requirements and expected deliverables. Project details can then be uploaded to each faculty, school, institute, and centre webpage prior to the launch of the program.

Project title:	Designing better tropical bus stop shelters
Hours of engagement & delivery mode	6 weeks, 13 January to 21 February 2025. 20–25 hours per week. This project will be offered on-site (regional Queensland).
Description:	<p><i>Transport Academic Partnership (TAP) Research – Redesign of bus stops in Far North Queensland</i></p> <p>The Department of Transport and Main Roads aims to redesign bus stops in two North Queensland cities: Cairns and Townsville. This project seeks to understand and explore users' experiences with the current bus stops and identify factors that impact their overall experience. Utilising a human-centred approach, the project aims to provide evidence-based recommendations for the design of the bus stops. Data will be collected through surveys, site visits and observations, followed by a co-design session with all users. Students are expected to travel to regional Queensland for a maximum of five days. Travel expenses will be covered.</p>
Expected outcomes and deliverables:	<p>Students will gain skills in a variety of research activities and learn about the human-centred approach in research design. These activities include research design studies and data collection, specifically through site visits and a survey. There may also be an opportunity to generate publications from their research at the end of the project.</p> <p>Some of the deliverables of this project are as follows:</p> <ul style="list-style-type: none"> • Undertake a systematic assessment of the environmental comfort and qualities of existing bus stops. • Perform a literature review of environmentally responsive bus stop design and best practice in the world in relation to customers' experience in the journey. • Identify gaps in existing bus stop design guidelines to improve environmental and user comfort via establishing audit systems and quantifiable metrics. • Propose design and engagement strategies for bus stops in northern Queensland. • Provide example case studies of solutions for selected typical bus stops.

Suitable for:	This project is open to applications from students with a background in urban planning, architecture and design. It is open to third and fourth year students only.
Primary Supervisor:	Dr Mehrnoosh Mirzaei
Further info:	For further information about the project please contact: m.mirzaei@uq.edu.au