



CMTP Undergraduate Engineering PPP

About the Company:

CMTP have built their reputation on Reliability, Relationships, and Responsiveness. They're proud to be a leading Australian manufacturer supplying timber packaging, pallets, and custom solutions across Australia and are looking ahead—investing in next-generation robotics and automation to transform the future of manufacturing.

They're offering an exciting student internship opportunity to join their team on a cutting-edge R&D project. As an intern, you'll gain hands-on exposure to real-world robotics and automation.

Project Objective:

To research and present potential **RPI (Robotic Process Improvement)** upgrades to CMTP's current and future robotic systems. The key areas you will focus on is optimising how CMTP's robots and automation are applied within a workflow to:

- Increase speed and efficiency
- Reduce downtime and waste
- Improve accuracy and safety
- Enable scalability

Your research focus areas in **Robotic Process Improvement**, will be but not limited to:

- **Hardware Retrofitting & Modular Add-Ons** – smarter grippers, sensors, actuators.
- **AI & Software Upgrades** – predictive maintenance and adaptive control.
- **Navigation & Coordination** – advanced path-planning and multi-robot teamwork.
- **Human–Robot Interaction** – safer, more intuitive operator interfaces.
- **System Integration** – connecting robots with CMTP's real-time data.



Why Apply:

- A fantastic opportunity to apply your engineering, robotics, process engineering or software studies to a live project.
- Be part of a culture that values innovation, teamwork, and safety.
- Hands-on training & mentoring.

CMTP is motivated to find a curious and motivated student with a passion for robotics, mechatronics, software, or AI who are ready to learn and contribute. Ideal backgrounds may include:

- Robotics, Mechatronics, Process Engineering or Industrial Automation studies
- Computer Science or Software Development
- A self-driven attitude and reliability
- Really good communication skills
- A keen interest in manufacturing and/or process engineering

Application Process:

Please submit your

- resume
- cover letter and
- academic transcript to leon.mcconville@cmpt.com.au.

Please reference – UniSA Internship, CMTP Pty Ltd

Closing Date: 1st October 2025