



# A Management System for Engineering Education

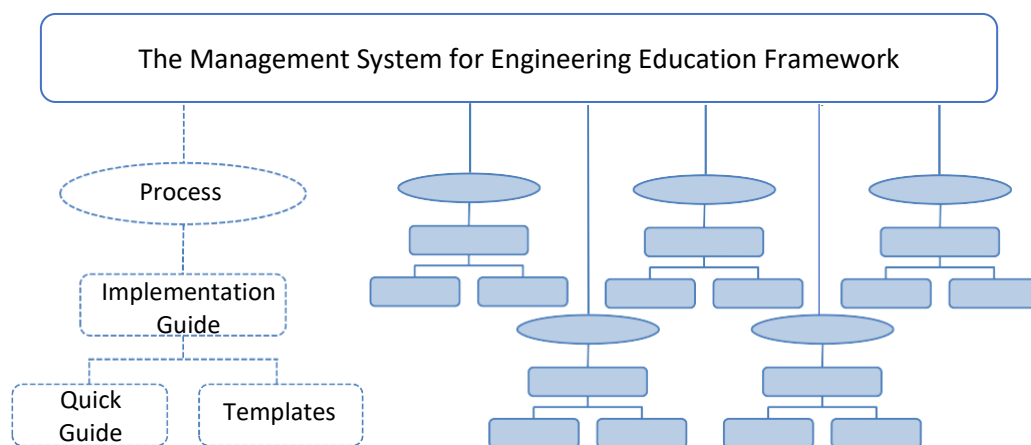
## Transforming engineering students into student engineers: improving learning outcomes and employability

This project was undertaken through an Australian Government Department of Education and Training Innovation and Development grant (ID16-5400) and was completed in 2019. The project adapted a series of industry management system processes for use within the engineering curriculum, as learning and teaching tools. The purpose of the project was to increase student awareness of management system frameworks within which industry operates, and to enable students to apply adapted industry processes to their studies. The project builds on previous work, which demonstrated the concept using an exemplar design verification process.

The resources developed through the project have been designed with a modular and flexible format, enabling educators and program coordinators to adapt the resources to meet their needs. The modules include implementation guides, student quick guides and adapted industry templates. The relevancy to industry, and educational value, of the resources have been confirmed with industry and educators.

The first resources available for use include design verification, design review, project progress meetings, project planning, risk assessment, document control and requesting information. The resources have been developed as living documents and will be updated and refined as feedback is received.

Ultimately, the resources seek to enable student engineers to approach their work in a similar manner to what can be expected in industry, aiding their transition to the profession.



The project team comprised members from The University of Adelaide (lead), Queensland University of Technology and the University of Canberra. Resources will be available from the [Australasian Association for Engineering Education](http://www.austlii.edu.au/au/other/australianassociationforengineeringeducation/) website from mid-2019.