DON'T MISS YOUR CHANCE

TRANSFORM YOUR CAREER AND THE FUTURE OF OUR ROADS TODAY!

For questions regarding registration,
please contact futureroad@citylab.com.au

* Only questions regarding registrations will be accepted at this time.

FUTURE ROAD

COMPETITION

TAC

INFORMATION PACK

ABOUT THE TAC FUTURE ROAD COMPETITION

The Transport Accident Commission (TAC), along with its Victorian Road Safety partners, are committed to halving the lives lost on Victorian roads by 2030.

To help achieve this, and to support long term change using a system design approach, the TAC is seeking innovative solutions and the application of Safe System principles within the design stage of real-world road safety projects.

This starts with you – students entering the industry – to make the long-term changes that are necessary to ensure safety is a central consideration in relation to all aspects of how we design and deliver new and upgraded roads across Victoria.

This is our collective challenge, and as part of TAC's commitment to this outcome it is launching a new annual competition targeting relevant tertiary level students. The inaugural Future Road Competition is based on a real-world TAC Safe System design project. Engineering students from four Universities will participate to put their skills to the test and help prevent lives lost on Victorian roads.

The competition will challenge you to:

- apply theoretical Safe System knowledge to a real-world scenario;
- work in a team environment to deliver a proposal; and,
- gain skills required for entering the industry.

COMPETITION

FUTURE ROAD
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Shortlisted teams will have their work reviewed by an expert panel that evaluate the submitted proposals. The winning team will be invited to present to an industry cohort of road safety experts as well as engage with the industry lead consultant on the design and delivery of the real-world project.

THIS IS OUR COLLECTIVE CHALLENGE

THE BRIEF

TEAMS ARE CHALLENGED TO RESEARCH AND APPLY SAFE SYSTEM DESIGN PRINCIPLES & PRACTICES

The TAC has a variety of Investment Plans and in this case the Safe System Pedestrian Infrastructure Program (IP43) is a TAC funded initiative that aims to remove high-risk factors for pedestrians in accordance with Safe System principles across both rural and metro Victoria. Applications from Local Councils and Government Areas across Victoria have been shortlisted to receive funding for safety upgrades in 2023.

These real-world project proposals were prioritised and within the successful proposals is the *Merbein Pedestrian and Cyclist Safety Project*, in Mildura Rural City Council.

This is the chosen real-world project that will run in parallel with the 2023 Future Road Competition; students will be provided with site specific guidelines to assist their response to the brief and assist students to develop Safe System design solutions.

Students will be provided with maps, visuals and Q&A opportunities within the competition period. Students are not expected to visit the site.

Teams are challenged to research Safe System design principles and practices and consider how they could be applied to the *Merbein Pedestrian and Cyclist Safety Project*.

FUTURE ROAD COMPETITION

HOW TO PARTICIPATE

The competition is open to third and fourth year undergraduate engineering students currently enrolled in one of the following four participating Universities:

MONASH UNIVERSITY

DEAKIN UNIVERSITY

SWINBURNE UNIVERSITY

RMIT UNIVERSITY

This is a group challenge, and students are expected to work together within a Competitor Team of 2 to 4 students on the competition submission. Competitors must be from the same University.

Note: If you wish to participate but are unable to form a team, contact the Competitor Advisor no less than one week prior to Team Registration closing for assistance.

Upon registration, teams will receive a detailed competition brief to prepare their submission response.

COMPETITION STAGES

The competition is structured in two stages.

STAGE ONE

Open to all eligible competitor teams and requires a high level proposal to meet important competency elements.

All submissions will be evaluated by a panel of experts, with four shortlisted teams selected (one from each University) to proceed to Stage Two.

STAGE TWO

Four teams from Stage One are selected to provide a more in-depth response in design application and the supporting theory.

Each stage will have a template to align consistency and assist evaluations.

TIMELINE

STAGE ONE

** Please refer to the Competition Brief & Conditions for the final Timeline*

STAGE ONE	*DATE*	*ACTIVITY*
Registration of Interest	**20 May - 3 July**	Start forming your Teams!
Team Registration	**3 July – 07 August**	Register as a team and choose a Team Representative.
Stage One Opens	**24 July**	Begin preparing your proposals.
Launch webinar event	**24 July**	Attend the launch webinar event to hear more about the process.
Q&A	**24 July – 14 August**	Submit any Questions you may have.
Stage One Submissions close	**Monday 21 August 2023 1:00PM AEST**	
Shortlist announced	**Tuesday 29 August 2023**	

STAGE TWO

STAGE TWO	*DATE*	*ACTIVITY*
Stage Two Opens	**Tuesday 5 September 2023**	The four Shortlisted teams will prepare their full reports.
Stage Two Submissions Close	**Tuesday 3 October 2023 1:00PM AEST**	
Presentation Event	**November 2023**	Winners announced and winning team presents.

PRIZES

To reward you for your Safe System solutions thinking, the below prizes will be awarded to the respective teams.

1st PRIZE

$5,000 cash reward as a team prize

Consultation with the Merbein Pedestrian and Cyclist Safety Project experts

Opportunity to present to industry experts

TAC certificate

Public recognition as winners by TAC

2nd PRIZE

$3,000 cash reward as a team prize

TAC certificate

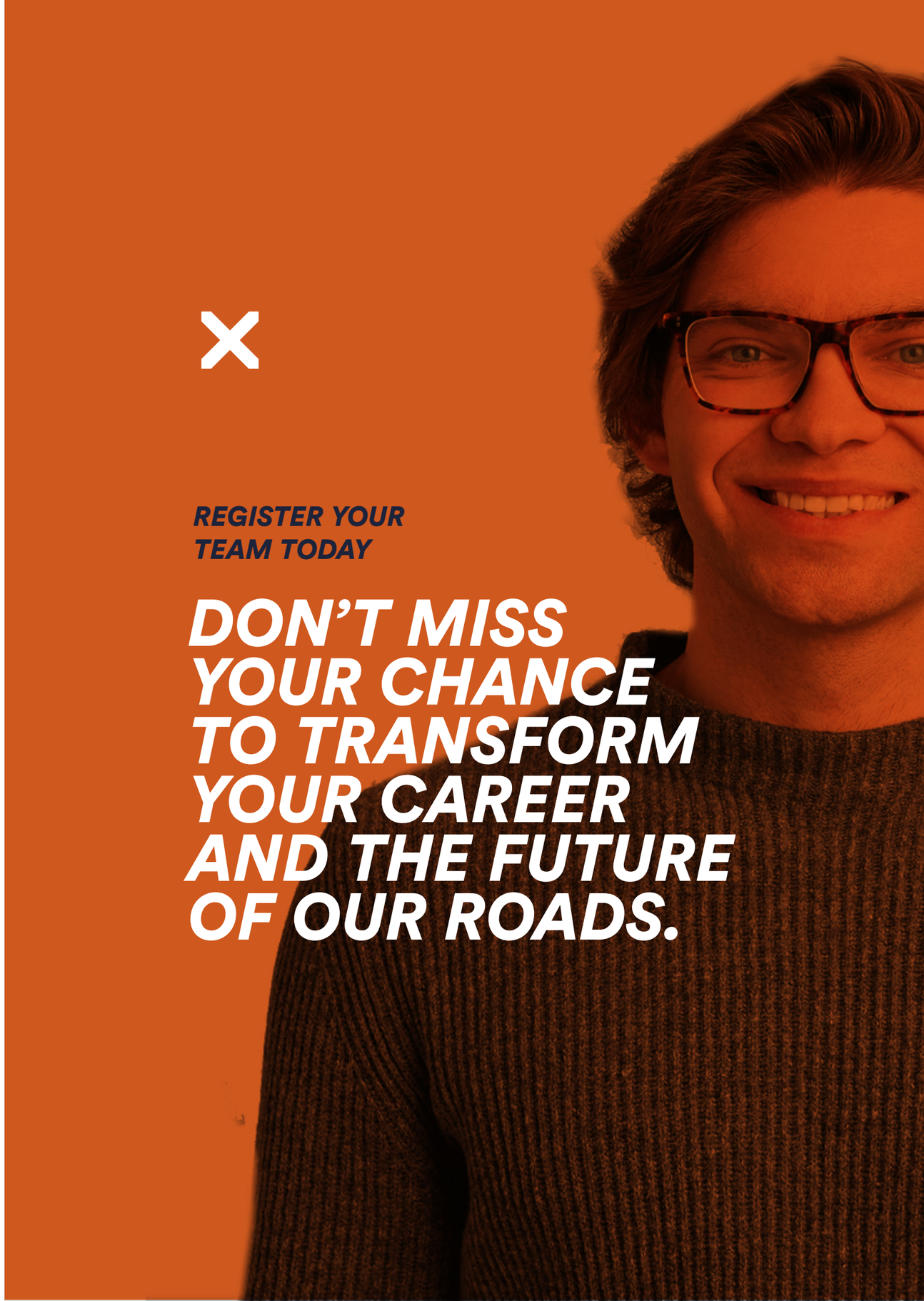
Public recognition as runner up by TAC

3rd PRIZE

$1,000 cash reward as a team prize

4th PRIZE

$1,000 cash reward as a team prize



EVALUATION CRITERIA AND SUBMISSION REQUIREMENTS

STAGE ONE

Competitors are expected to respond to the following Evaluation Criteria in their submission relating to the *Merbein Pedestrian and Cyclist Safety Project*, submitted in a supplied template that has the following structure. Responses are limited to 150 words for each criterium, including one, relatively simple, high level design concept plan.

*STAGE ONE - CORE EVALUATION COMPONENTS **	*NOMINAL WEIGHTING**
Scope Demonstrated appreciation of the scope	15%
Safe System Understanding of the principles of a Safe System approach	20%
Kinetic Energy Understanding of the relationship between kinetic energy and human harm	20%
Innovation / Creativity Demonstrated ability to think creatively outside current practices and understand their limitations	20%
Design Concepts Understanding of the relationship between IP43 and Safe System principles Suitability and reasoning behind the selection of intervention sites within the Merbein treatment area	25%

** Please refer to the Competition Brief & Conditions for the final Timeline*

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STAGE TWO

Finalist teams are tasked to propose Safe System aligned treatments that would benefit the community in the Merbein Pedestrian and Cyclist Safety Project treatment area along with supporting explanation of the theory.

Teams are required to submit a response in line with a supplied template to be provided and PowerPoint presentation slides.

The evaluation weighting matrix to follow is outlined below:

*STAGE TWO - CORE EVALUATION COMPONENTS **	*NOMINAL WEIGHTING**
Safe System Understanding of the principles of a Safe System design approach	20%
Kinetic Energy Understanding of the relationship between kinetic energy and human harm Quality of research into the KEMM model	20%
Innovation & Creativity Application of innovation and creativity	20%
Concept Design Quality of design treatments and their location in the site Alignment with Safe System	20%
Strength of Communication Communication in a succinct manner Visual strength of (power point) presentation	20%

** Please refer to the Competition Brief & Conditions for the final Timeline*