



Annual Report 2020



Transport
Engineers
Monash



AITPM
Leadership in
Traffic and Transport

We at Transport Engineers at Monash thank the Institute of Transport Engineers for helping us set up the club and supporting the events we organised. Throughout all this time ITE-ANZ has supported the Chapter with expertise, guidance, speakers and financially.

The mentoring program which pairs student with industry professionals is one of the first of its kind held in an Australian university. Another event of ours, the “Lunchtime Talk” helps students gain further knowledge about the career options in Transport and the major projects undertaken in the field.

We thank ITE for rigorously promoting the club and the program among Transport professionals and hope to continue organise events that provide industry exposure to students.

Who we are

Transport Engineers at Monash started in early 2018 and the main vision of this dedicated transport engineering club is to help students minimize the gap between industry and university study. The main values of TEM are as below

- Engage with young members
- Liaise with professionals
- Build up employability skills
- Plan career goals

The mentoring program is Transport Engineers Monash's main event and the aim of this program is to find new, talented transport engineers and build them by pairing them with experienced mentors from the industry. There was a good response from experienced transport engineers and industry leaders who were chosen as mentors for the year. The team has been very effective and successful to complete the third year of the mentoring program as the mentees will complete 12 months of the program in early 2021. Apart from that TEM has organised several events such as mentoring program orientation and multiple lunchtime talks. TEM is planning to expand the club in future by increasing the number of mentors and mentees, working through the feedback from both mentors and mentees, organising events such as industry nights along with ACES, encouraging mentees by providing graduation certificates for their completion of the program etc. As part of the mentoring program, TEM undertakes two events which are the Mentoring Program Induction Night at the start of the program and the Mentoring Program Graduation Ceremony at the end of the program. Another major event of TEM is the Lunchtime Talk.

TEM Committee 2020/21

AGM 2020 for TEM committee 2020/21 was arranged during September where 9 members were elected by voting to fulfil the available positions. Elected officers and committee chairs are listed below:

President	Varsahe Manivasakan
Vice President	Steven Canwei Peng
Secretary	Bishoy Yasser
Treasurer	John Qian
Mentoring Program Coordinator	Lauren Guiney
Media and Communications	Sangheran Ramyen and Trung Tran
ITE/AITPM Liaison	Lauren Guiney
General Representatives	Danush Durairaj
Post-grad general rep:	Angela Melisa Mejía Hernández
Continuity	-

Events 2020

Mentoring program

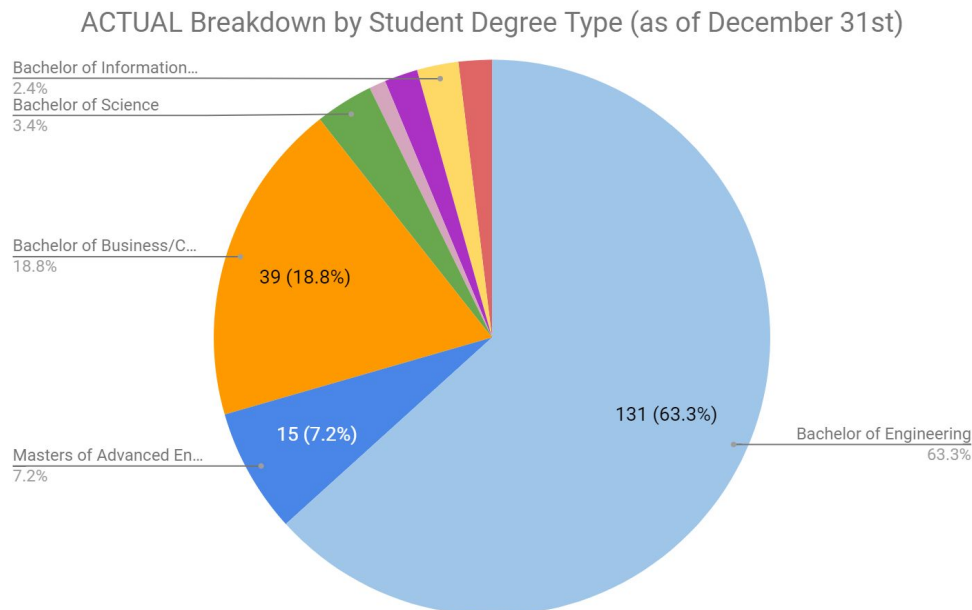
In the mentoring program, we pair one student with one professional from the transport industry. The students are all from Monash University. Many students apply and a few are selected based on their responses to the application and the availability of professionals. ITE and AITPM help provide mentors to the program by rigorously promoting TEM's mentoring program. At present, there are 29 mentees and 28 mentors in the program, which is set to conclude in March 2021. The program lasts for one year, at the end of which they are provided with a certificate at a graduation night.

After we pair the mentors and mentees, each pair is free to choose their own venue, frequency of meetings and method of interaction. TEM catches up with the participants of the program every three months to obtain feedback and resolve any issues the participants might be facing.

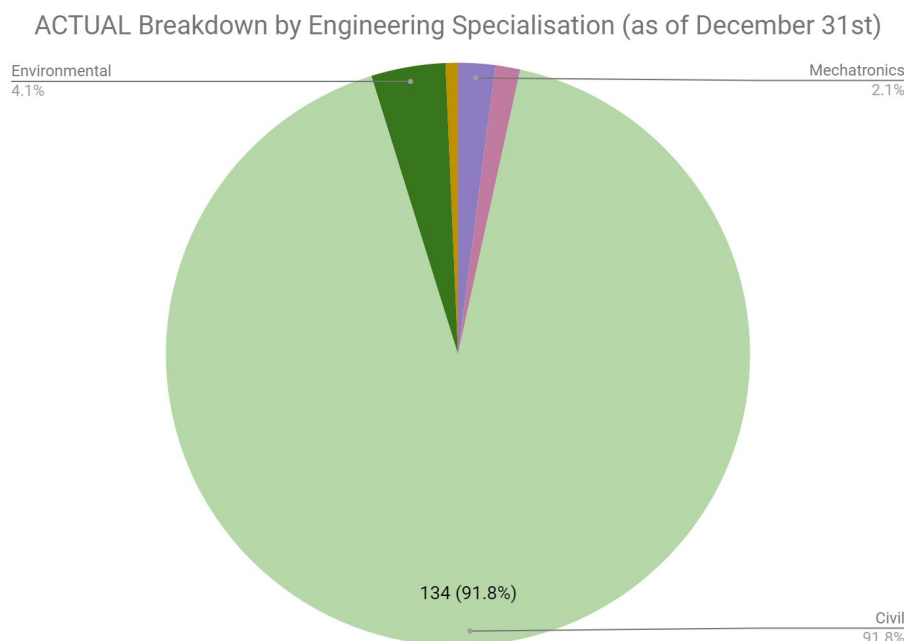


Student Involvement

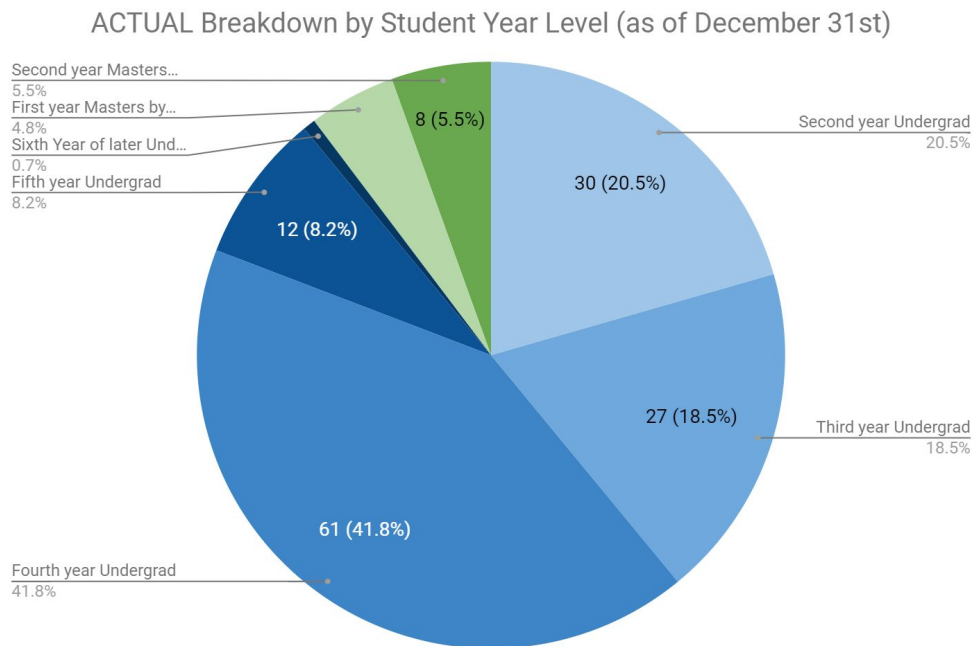
Due to the impact of COVID-19, TEM was not able to host some events as originally scheduled, such as the Lunchtime Talks and BBQ. However, TEM's flagship program - the mentoring program had shifted online and still achieved passion from the students, and we received 51 mentee applications from them. We maintained our marketing and communication with the students well, via Facebook, LinkedIn and the newsletters. It is noticeable that we gained 80 new followers on our Facebook page in 2020. Overall, TEM reached 146 student members in 2020 and maintained ongoing connections with more than 300 students on the internet and social media.



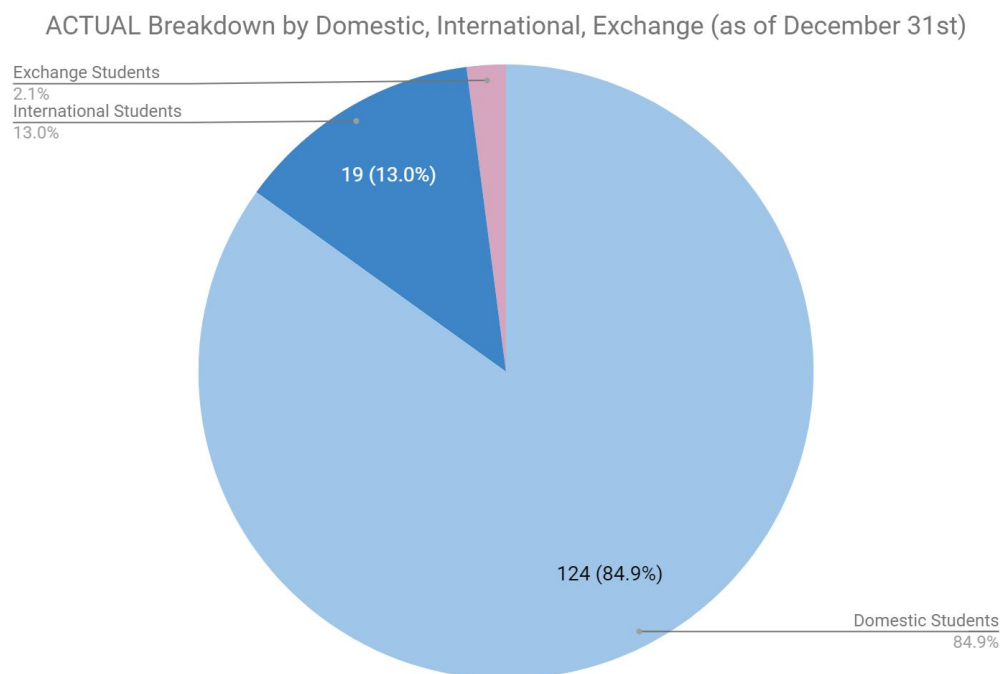
TEM is a niche student committee: we focus on engaging students who are passionate about transport engineering, which has traditionally been referred to as a branch of civil engineering. This is reflected in our student membership: it is estimated that almost all (92%) of our student members are civil engineering students (with the remaining being environmental or mechatronics engineering students).



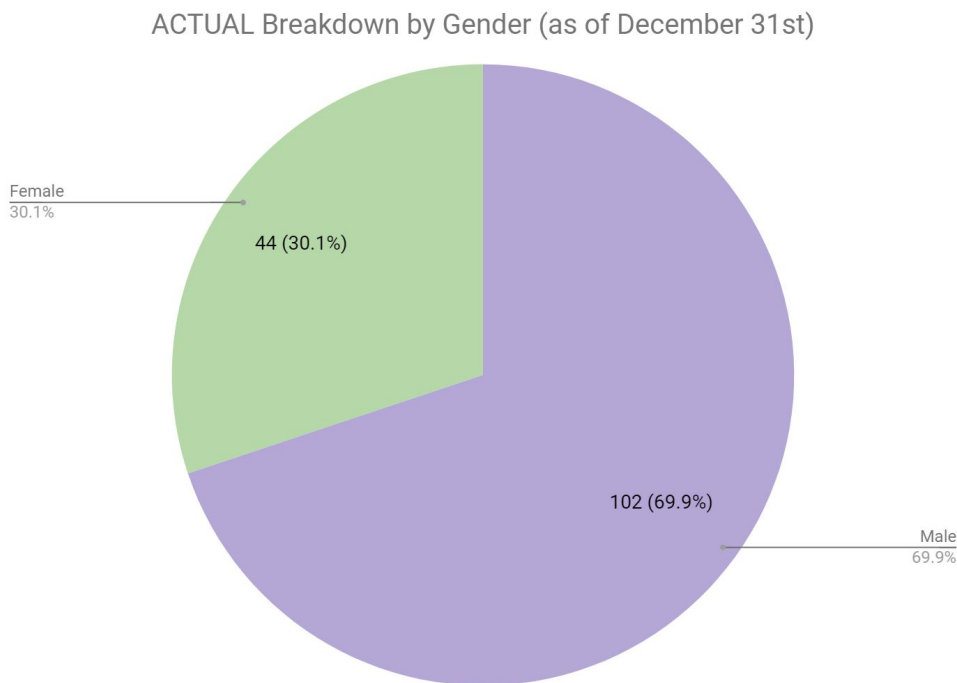
It is also estimated that roughly half (47.7%) of the students are in their final years (fourth or fifth year) and two in five students are in their second or third year (20.9% and 18.6% each). This data has assisted TEM on the audience we must cater to in our industry events (particularly the mentoring program). TEM encourages participation of students from all levels, but it is noticed that we had no first-year undergraduate student members and the year level distribution “is getting old”, mainly because of the lack of face-to-face communication such as lecture bash and BBQ which should enable us to reach more new students. We expect to solve this issue as COVID restrictions get eased in 2021 and we have a chance to continue our face-to-face events.



We notice the number of international students is lower than expected, this might be attributed to COVID-19 again as many international students are stuck in their home countries.



With respect to gender, over 30% of our student members are women. TEM is aware of the overrepresentation of men in the industry and believes that the first step to changing this is to get more women involved in university-industry events (such as the ones organised by TEM and other engineering student committees at Monash). TEM is actively pursuing strategies to encourage more women to become student members and participate in TEM's 2020/2021 AGM and other TEM events. We plan to actively collect data for the following year.



Note that the data is an estimate only. Estimations are rationally made based on information from mentee applications, Facebook insights and newsletter subscribers. TEM has adopted a new and uniform membership registration form which will help the member management and provide more accurate data.

Planning for the Year Ahead

Projected expenses, income and contribution

Summary of Expenditure for 2020

No expenses were made in 2020 due to covid.

Financial Projections for 2021

The year 2021 is one in which TEM hopes to continue its momentum; building upon existing events and devising other insightful programs to invite and inform Monash engineering students of the transport engineering profession. TEM projects a similar expenditure level for 2021 as that of 2019, and the following being events which are to definitely take place next year:

Mentoring Program Predicted Expenditure

The mentoring program is expected to have an increase in the number of events being held throughout the year, resulting in increased expenditure from previous years. The program is to hold 3 events throughout the year, including:

- 2020/21 Graduation Night (March 3rd)
- 2021/22 Orientation Night (April 14th)
- 2021/22 Semester 2 Catch Up (October 6th)

In the case that in-person events are allowed in 2021, each event will require a budget for pizza, biscuits, soft drinks and additional items. The number of attendees at the Graduation night is predicted to be 60, however, the number of attendees at the other two events are dependent on the number of participants in our 2021/22 mentoring program. The predicted cost breakdown of the events can be found below:

Graduation Night		
Food	Pizza	\$200
	Chips	\$20
Drink	Soft Drink	\$35
Materials	Napkins	\$1
	Plates	\$5
	Cups	\$5
	Certificates	\$30
Total		\$296

Orientation Night		
Food	Pizza	\$200
	Chips	\$20
Drink	Soft Drink	\$35
Materials	Napkins	\$1
	Plates	\$5
	Cups	\$5
	Pamphlets	\$10
Total		\$276

*This estimate is based on 60 people attending the orientation night. Attendee numbers are subject to a number of participants in the Mentoring program

Semester 2 Catch Up		
Food	Pizza	\$200
	Chips	\$20
Drink	Soft Drink	\$35
Materials	Napkins	\$1
	Plates	\$5
	Cups	\$5
Total		\$266

*This estimate is based on 60 people attending the Semester 2 catch up. Attendee numbers are subject to a number of participants in the Mentoring program

Whilst these events will take place in 2021, the development of new and unique programs will take place simultaneously. Such events are planned to uphold expenditure levels in the vicinity of those seen above. Further, potential income-generating events may be implemented into the TEM schedule, for the purposes of sustainability for the club. The likes of events with entry-fees attached or ticket-based events are to be considered for the upcoming year.

Additionally, funding from Monash Clubs and Societies has been achieved for 2021; TEM being allocated \$500 from the Faculty of Engineering 2021 funding budget. This enables greater flexibility for club-specific event arrangement and the attached expenditure; events such as orientation day and clubs day, which all require branded promotional material. These additional funds will also be used to sustain both large and small ongoing yearly events, such as barbecues and the mentoring related events.

Communication with Members

At TEM, we aim to bridge the gap between students and the industry, engage with students who are passionate about transport engineering and liaise with industry professionals. Therefore, communication plays a crucial role in TEM. Facebook, LinkedIn and Newsletter are the two main communication channels with our members.

Our TEM Facebook page promotes all the transport-related events that could benefit our members growing professionally, as well as provides internship/graduates opportunities to our members.

In our Newsletter, we mainly update members with TEM, ITE and AITPM events, and major developments in the transport industry. In 2020, we have engaged 153 members via TEM Facebook page, and 86 members via Newsletter (Low number due to COVID-19). Currently, we have 389 followers on Facebook, 144 followers on LinkedIn and 172 newsletter subscribers. In 2021, we aim to reach 450 likes and 500 follows on Facebook, 200 followers on LinkedIn and 200 newspaper subscribed members.

We have created a LinkedIn account to further expand TEM and improve the mentoring program and to liaise with more professionals and students in 2020 and we will continue to do so in 2021. We have experienced that LinkedIn is very beneficial in professional networking.

Besides, TEM is always keen on gaining feedback from our members and companies we engage with. We have emailed our mentors seeking their feedback on our mentoring program and asked our members to fill in Google Doc to provide some feedback and ideas for the program. We hope to have more participants in 2021 after implementing the feedback and ideas from our members.

Other Proposed Changes

Firstly, we are modifying the schedule of events at the mentoring induction night. The induction night will be held at Monash University if in-person or on zoom if circumstances are to change. Prospective mentees and mentors will be given two minutes to provide a small talk about themselves. We shall also be having more interactive activities that enhance the interaction between mentors and mentees.

Secondly, TEM is currently in the middle of planning an industry night event collab with ACES. This event will be an assessment centre/mock interview panel to allow students to get an experience of what they can look out for and practice for when they are entering into the industry. The planning for this event is currently done for if in-person, however, has the flexibility to change to an online event if circumstances are to change.

Lastly, TEM is planning on introducing social events like trivia nights or a lunch barbeque for more engagement with TEM's members and to attract more members.

