5.3.3 Student Age Profile

Figure 3 shows the age distribution of the student population at MUT.

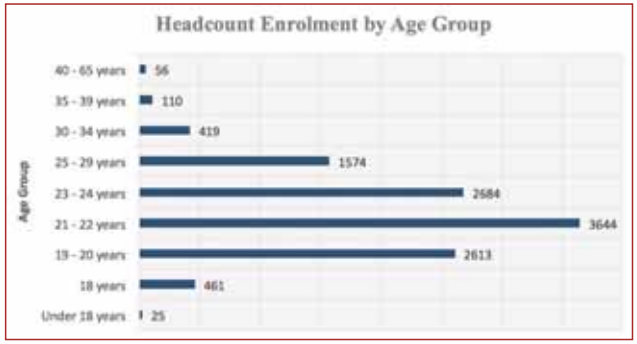

Figure 3: Student Distribution by Age

The majority of students, 54%, are between the ages of 19 and 22 years (2016: 56%); 23% are between 23 and 24 years (2016:20%); 14% are aged between 25 and 29 years (2016: 15%); and 4% are aged 18 years (2016: 4%). The other age groups make up the remaining 5% (2016: 5%).

5.3.4 Enrolment by Gender

The University student population in 2017 was 49% female (target: 53%) and 51% male (2016: 48% and 52% respectively).

Figure 4a: MUT Student Profile by Gender

The Faculty of Management Sciences had the highest female complement at 62%. The Faculty of Engineering had the highest male complement of 67% (Figure 4b).

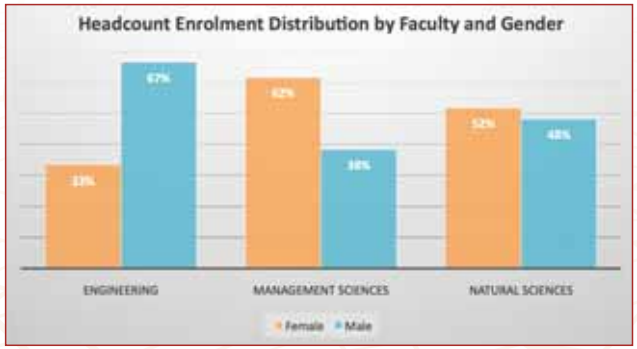

Figure 4b: MUT Student Profile by Faculty and Gender

5.3.5 Enrolment by Population Group

The University student population is 99.5% African (target: 98%), as presented in Figure 5. This is unchanged from 2016.

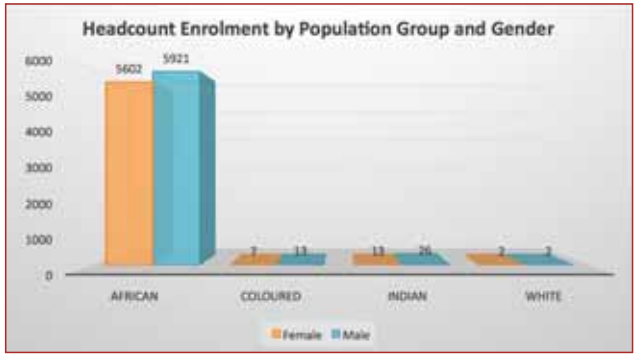

Figure 5: MUT Student Profile by Population Group and Gender

5.4 Significant Academic Developments in Faculties

5.4.1 FACULTY OF ENGINEERING

The Faculty of Engineering is committed to offering high quality programmes to its students. All programmes in the faculty are subjected to rigorous accreditation processes by relevant professional bodies. Two of the professional bodies evaluated six programmes offered by the faculty in 2017.

The National Diploma: Mechanical Engineering, National Diploma: Chemical Engineering, and Bachelor of Engineering Technology: Chemical have been accredited by the Engineering Council of South Africa (ECSA) until May 2021. The National Diploma: Building was accredited by the South African Council for Project and Construction Management (SACPCMP) until December 2020. National Diplomas in Civil Engineering and Electrical Engineering have received accreditation until May 2018.

The Faculty continues to align its qualifications with the new Higher Education Qualifications Sub-Framework (HEQSF) and ECSA standards. The Diploma in Chemical Engineering was fully re-curriculated. HEQSF-aligned diploma programmes were registered with the South African Qualifications Authority (SAQA). The Advanced Diploma in Chemical Engineering was accredited by the Council on Higher Education and will replace the Bachelor of Technology (B.Tech) programme in the near future.

The process to finalise Advanced Diplomas in Civil Engineering and Surveying is still in progress. The department, through close co-operation with the eThekwini Maritime Cluster (EMC), assembled a team of experts and successfully mapped the competencies of prospective graduates that industry will require, using the DACUM methodology. The development of the new programme was substantially enhanced by the participation of international maritime experts.

Prof T Haupt was appointed as a research Professor for the Faculty of Engineering and is assisting in developing the research capacity of the Faculty.

5.4.1.1 Instruction

The Faculty has made substantial strides towards the introduction of the e-learning platform as additional mode of delivery. The majority of courses offered by the faculty have an e-learning component. Most of the subjects study guides and study materials have been placed on Blackboard.

Industrial exposure of students plays a significant role in their preparedness for the workplace. The faculty continued to secure industrial visits for students, despite the disruption of the academic programme at the beginning of the year.