UTM
UNIVERSITI TEKNOLOGI MALAYSIA
RESEARCH UNIVERSITY

PO1 Apply knowledge of science and engineering fundamentals to the solution of complex bio-medical engineering problems.

PO2 Identify, formulate and solve complex biomedical engineering problems through structured literatureresearch and scientific approach using first principles of mathematics, natural sciences and engineering sciences.

PO3 Design solutions for complex biomedical engineering problems with consideration for public health and safety, cultural, societal, and environmental needs.

PO4 Conduct investigation into complex Biomedical Engineering problems using research-based knowledge and methodology to provide scientific conclusions.

PO5 Select and apply appropriate techniques, resources, and modern medical engineering and IT tools, to complex biomedical engineering activities, with an understanding of the limitations.

PO6 Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues to professional biomedical engineering practice.

PO7 Understand the role of biomedical engineers in society regarding social, cultural, environmental and global responsibilities for sustainable development.

PO8 Ability to evaluate and make appropriate professional decision by taking into account ethical principles, social and environmental responsibilities.

PO9 Communicate effectively on complex engineering activities through written, oral, visual and graphical forms to colleagues and society at large.

PO10 Work in a team not only as a committed individual but also as a leader in achieving common goals in multi-disciplinary settings.

PO11 Ability to adapt with the latest development within the biomedical engineering field for life -long learning and continuous knowledge improvement.

PO12 Demonstrate knowledge and understanding of management principles in biomedical engineering and be aware of the importance of entrepreneurship.