

PKAS INBOUND
MOBILITY PROGRAM



GRADUATE MENTORSHIP PROGRAM



UNIVERSITI
KEBANGSAAN
MALAYSIA
*The National University
of Malaysia*



PKAS
PROGRAM PEMERKASAAN
KOMPETENSI AKADEMIK
SISWA

In 2018 PKAS FKAB UKM for the first time offered **Graduate Mentorship Program** known as the Semester Break Attachment Program to UKM students from various faculty to explore innovation in translating their learned knowledge into the applicable product.

2018 SEMESTER BREAK ATTACHMENT PROGRAM

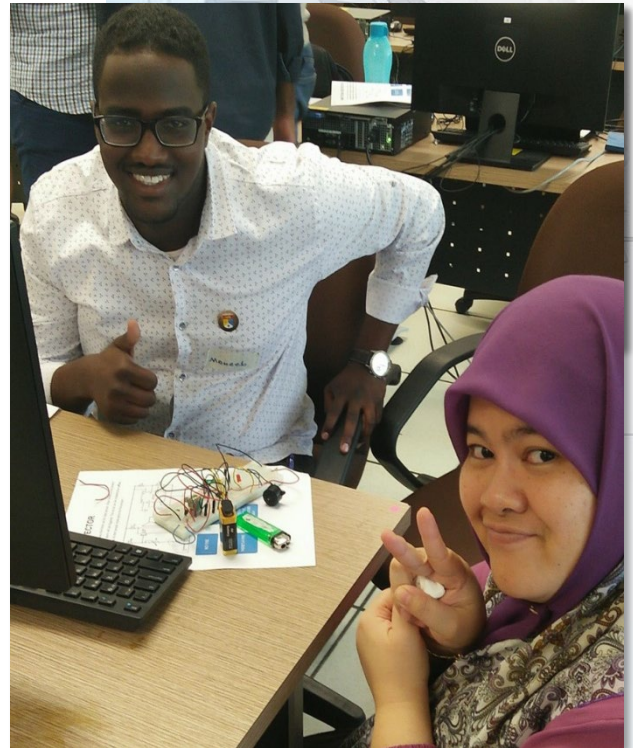
The 12 weeks bootcamp program provides a platform for UKM graduates to develop IoT-based projects. 20 graduates from different fields grouped together to explore innovation.

Two groups have participated in a national-level TERAJU Superb Higher Education League competition and one of them won the first prize worth of RM 50,000 award which includes RM 20,000 in cash and RM 30,000 worth 3 months of start-up mentorship.



2019 ELECTRONICS EXPERIENTIAL MENTORING WORKSHOP

30 graduates from Future University of Sudan were engaged in the Electronics Experiential Mentoring workshop. The 5-day workshop offered the students hands-on experience in developing sensor-based data acquisition small-scale devices that can provide students with the Internet of Things (IoT), embedded systems also cloud data storage and processing experience. Participants of the program also visited Malaysia's MCMC IoT & Drone Laboratory as part of their program.

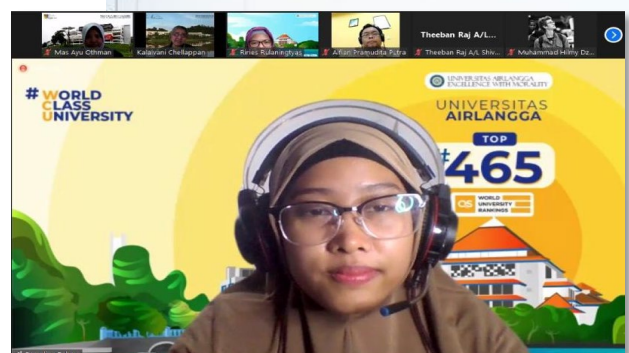


2021 DECOTA LECTURE SERIES: BIO-SIGNAL PROCESSING FOR HEALTHCARE APPLICATIONS

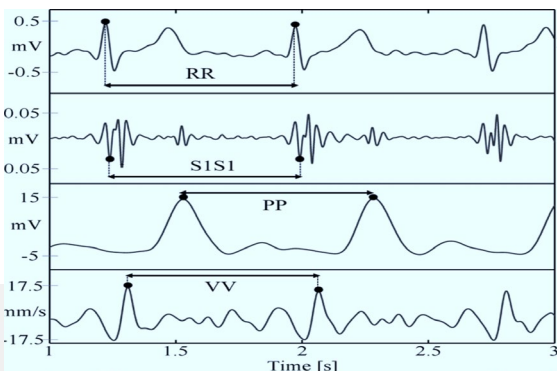


What is Bio-signals?
ANYTHING RELATED TO LIFE
Simplest example: temperature T

Bio-signals are non-electrical signal that is capable of being monitored from biological activities



The online lecture session was organized by the Faculty of Science and Technology, Universitas Airlangga to mentor students from the Biomedical Engineering Department on Bio-Signal Processing in Healthcare Applications. This mentoring program was done virtually due to the pandemic challenges. In this lecture, participants were exposed to various bio-signals and their positioning in healthcare applications. ECG, EMG & EEG signal acquisition, pre-processing, analysis and classification techniques supported by clinical ethics design was shared to provide students guidance on how to design clinical experiments.




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CONTACT US

ADDRESS

Program Pemerkasaan Kompetensi Akademik Siswa
Faculty of Engineering and Built Environment,
University Kebangsaan Malaysia
43600 Bangi, Selangor, MALAYSIA.

CONTACT

 +603-89216600

 pkas@ukm.edu.my

 <https://www.ukm.my/pkas>

