






Innovative Solution for Future Competition: Smart Living and Environment for the Elderly (COM_ISF)

Introduction	<p>The goal of this competition is to let student understand the basic knowledge and methodology of interfacing with mobile Android phones, such as data measurements and data analysis with the application of Bluetooth module and Android mobile Apps. Therefore, they can acquire the basic knowledge on hardware technology, such as biometric and environmental sensors and arduino-based microcontroller. Hands-on practice to design and to assemble a functional biometric mobile device will be given.</p>		
Programme Type / Level	<p>Intermediate Course in Innovation Technology (Token-required)</p>		
Instructor(s)	<p>Dr. Man Hing Chan from Hong Kong Baptist University</p>		
Pre-requisite	<p>Nil, but an innovative mind with experience and practical skills in Android Apps development is preferable.</p>		
Target Participants		<ul style="list-style-type: none"> ➤ S1-S6 HKAGE student members ➤ Class size: 8 	
Medium of Instruction		<p>English with English handouts</p>	
Certificate		<p>A Certificate of Participation will be issued by the Organizer (the Faculty of Science, Hong Kong Baptist University) to all participants who have:</p> <ul style="list-style-type: none"> ❖ Attended all sessions; AND ❖ Completed all the assignments with satisfactory performance 	
Intended Learning Outcomes		<p>Upon completion of the programme, participants should be able to:</p> <ul style="list-style-type: none"> • develop an innovative and practical application/device/model that would improve the quality of living and meet the daily needs of the elderly. • develop their creativity and apply scientific knowledge to demonstrate innovative application of science and technology. 	
Screening		<p>Please answer the screening question in the online application form. *The screening question is designed to help the applicant understands the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question. Only students who can demonstrate motivation and the basic knowledge of the course in the screening question can be enrolled in the programme.</p>	
Application Deadline	<p>20 May 2019 12:00 n.n.</p>	Application Result Release Date	<p>24 May 2019</p>
<p>Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.</p>			

Schedule



Session	Date	Time	Venue
1	1 Jun	10:30 a.m. - 12:30 p.m.	OEW801, Oen Hall Building
2	1 Jun	2:00 p.m. - 4:00 p.m.	Ho Sin Hang Campus
3	5 July	9:30 a.m. - 1:00 p.m.	Hong Kong Baptist University*

*Address: 224 Waterloo Road, Kowloon Tong ([Map](#))

Lesson Note

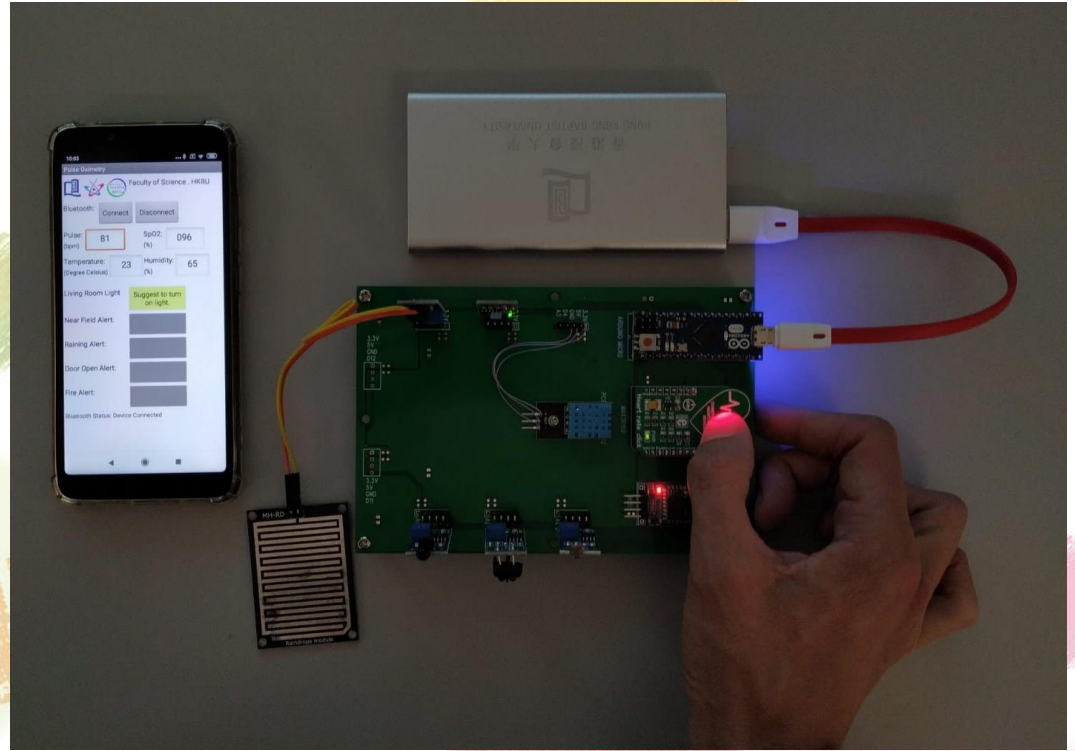


Fig 1. Sensor Board for Smart Living and Environment for the Elderly. The sensor board, the ambient sensors, the heart rate & SpO2 sensor and the USB battery (excluding the mobile phone) are free gifts for the participants. Each team will receive one set of free gifts.

Enquiries



For enquiries, please contact us at 3940 0101 after language selection, press "1".