

Brief summary of the key information of program.

Kindly provide any attachment for more information (brochure, poster, link, form, etc.)

Program	AUA-UNIVERSITI MALAYA OVERSEAS STUDY PROGRAM 2021 ON SHAPING THE FUTURE GENERATION FOR LIFE BEYOND COVID-19	
Host	Faculty of Engineering and Faculty of Medicine Universiti Malaya	
Program Date and Time	28 February - 4 March 2022 (five days)	
Expected Outcomes	<ol style="list-style-type: none"> 1. To build participants awareness on the impact of pandemic on public health, socioeconomy and education. 2. To cultivate the teamwork ability and communications skills of participants 3. To promote cultural exchange and understanding among participants from different backgrounds. 	
Eligible Candidates	<ol style="list-style-type: none"> 1. For technical talk: medical experts, engineers, researchers, undergraduate and postgraduate students 2. For hackathon bootcamp: only participants, no-online audiences 3. For hackathon competition: participants, online audiences 	
Number of Candidates	45 (AUA) + 20 (non-AUA)	
Nomination Process	<p>For AUA Members: Each University has to nominate 3 candidates before the nomination deadline. Participants from AUA members who are not officially nominated by their university can also directly register individually before the nomination deadline</p> <p>For non-AUA Members: Individual registration before the nomination deadline</p> <p>Please refer to the provided Poster for the individual registration</p>	
Deadline for Nomination	26 November 2021	
Fees	Free of charge	
Program Schedule	Day 1 – (5 hours)	
	9.30am - 9.45am	Opening and Welcoming Remarks by the Director of International Relations Office, Universiti Malaya
	9.45am - 10.00am	UM Corporate Video presentation
	10.00am - 10.10am	Opening Speech by Dean, Faculty of Engineering
	10.10am - 10.20am	Opening Speech by Dean, Faculty of Medicine
	10.20am - 10.30am	Buffer time
	10.30am - 11.30am	Technical Talk 1 <i>Pandemics throughout human history: an overview.</i> Tentative speaker: Academic staff from Faculty of Medicine, Universiti Malaya (to be identified)
	11.30am - 11.45am	Buffer time
	11.45am - 12.45pm	Technical Talk 2 <i>Pivoting the role of Engineering and Technology in combating global pandemics</i>

	Tentative speaker: Academic staff from Faculty of Engineering, Universiti Malaya (to be identified)						
12.45pm - 2.30pm	Lunch Break						
2.30pm - 3.30pm	Technical Talk 3 <i>Harnessing big data and predictive analytics in combating global pandemics</i> Tentative speaker: Relevant industry-practitioner (to be identified)						
3.30pm - 3.45pm	Buffer time						
3.45pm - 4.45pm	Technical Talk 4 <i>Impact of pandemic on public health and socio-economy: A need for a holistic approach</i> Tentative speaker: Relevant officer from the Ministry of International Trade and Industry (MITI), Malaysia (to be identified)						
Day 2 - (6 hours)							
9.30 am – 11.00am	<p>Stage 1: Introduction to the challenge</p> <p>Participants will be introduced to the challenge entitled “Embracing uncertainty Covid-19 and beyond”. This challenge is divided into three categories below. The groups will have to decide on their group leader and the aspect they want to work on. There will be two groups for each category. Thus, in total there are 6 groups.</p> <table border="1"> <thead> <tr> <th>Public Health</th> <th>Socio-economic issues</th> <th>Education</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> •Scaling telemedicine, containment strategies, diagnosis development </td> <td> <ul style="list-style-type: none"> •Social and economic issue related to global pandemic </td> <td> <ul style="list-style-type: none"> •Alternative learning environments & tools for educators & learners </td> </tr> </tbody> </table>	Public Health	Socio-economic issues	Education	<ul style="list-style-type: none"> •Scaling telemedicine, containment strategies, diagnosis development 	<ul style="list-style-type: none"> •Social and economic issue related to global pandemic 	<ul style="list-style-type: none"> •Alternative learning environments & tools for educators & learners
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11.00am - 12.30pm	<p>Workshop 1: Hackathon 101</p> <ul style="list-style-type: none"> ○ Sharing session: learning from previous hackathon participants (2-3 persons) ○ Becoming a successful technopreneur 						
12.30pm - 2.30pm	Lunch Break						
2.30pm - 5.30pm	<p>Stage 2: Idea pitching within group members (Breakout session)</p> <p>Participants will have a discussion with their group members after doing some ground research, respectively. Each of them will take turns to pitch their own ideas, with the facilitator as moderator. By the end of this session, they should have decided on their group leader and the aspects that they want to work on.</p>						
Day 3 – (6 hours)							
9.30 am - 10.30am	<p>Workshop 2: Mobile applications</p> <ul style="list-style-type: none"> ○ Equip the participants with apps development ○ Speaker: from relevant industry (to be identified) 						
10.30am - 12.30pm	<p>Stage 3: Validation of Idea – (Breakout session)</p> <p>Participants will validate their idea and try to improve it with</p>						

	guidance from the mentors. They may research information online or conduct online surveys. A few aspects that should be taken into consideration are funding, environmentally friendly issues, and cost effective etc. Hence, this stage allows the participants to do the research and consider the feasibility of their ideas.
12.30pm - 2.30pm	Lunch Break
2.30pm – 3.30pm	Workshop 3: Additive Manufacturing & Advanced Materials Speaker: Academic staff from Faculty of Engineering, Universiti Malaya or from AUA members (to be identified)
3.30pm – 4.30pm	Workshop 4: Developing, testing and implementing Covid-19 Vaccines Speaker: Academic staff from Faculty of Medicine, Universiti Malaya or from AUA members (to be identified)
4.30pm-5.30pm	Stage 4: Discussion and Preparation (Breakout session – without mentor) This stage allows every group to amend and improve their idea, allowing them to see things from different perspectives.
Day 4 - (6 hours)	
9.30 am - 10.30am	Workshop 5: The art of pitching Speaker: Academic staff from AUA members (to be identified)
10.30am - 12.30pm	Stage 4: Discussion and Preparation (cont.) (Breakout session – without mentor)
12.30pm - 2.30pm	Lunch Break
2.30pm - 5.30pm	Stage 5: Final review (Breakout session) Mentors will be present during one of the sessions to assist and provide advice regarding the product of each group's idea. This will be carried out through the Zoom breakout room. By the end of the session, participants should proceed to film their video presentation. The final solution proposed should be presented with the help of visual representation.
Day 5 - (3 hours)	
9.30am - 10.30am	Pitching time 5 minutes pitching for each team
10.30am - 11.00am	Deliberation
11.00am - 12.30pm	Winner announcement & closing remarks
Contact person	<p>Assoc. Prof. Dr. Andri Andriyana Faculty of Engineering Email: andri.andriyana@um.edu.my</p> <p>Dr. Thamil Selvee Ramasamy Faculty of Medicine Email: selvee@um.edu.my</p>