

ENGINEERING & SUSTAINABILITY SUMMER SCHOOL (ES3)

FACULTY OF ENGINEERING
AND BUILT ENVIRONMENT,
UKM



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INFORMATION

PROGRAMME OUTLINE

The Engineering & Sustainability Summer School (ES3) is a 3-week programme taking place at the Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia. The participant will be able to experience knowledgeable and enjoyable activities offered. An 18-hour Engineering and Sustainability module without credit has to be taken throughout the programme along with many visits to local exhibition and stores, an excursion trip, and exhilarating games to play. By joining this summer school, the students can learn more about Malaysian culture, disclosure to heritage as well as the interacting with local society.

PROGRAMME FEE

This 3-week programme costs RM 6050 per person (approximately \$1350 USD) and bursaries are given to UKM partner universities (MoU/MoA bounded).

BURSARIES:

Partner universities (MoU/MoA): RM 5050 per person (approximately \$1100 USD).

CERTIFICATE

Participants will receive a Certificate of Participation upon the completion of the programme from the Faculty of Engineering and Built Environment, UKM.



Engineering and Sustainability module that includes the following chapters:

- ✓ Computer Controlled Systems
- ✓ Computing for Engineers
- ✓ Industrial Safety
- ✓ Engineering Statistics
- ✓ Finite Element Method
- ✓ Social, Economic, and Environmental Sustainability for Next Generation

Tentative programme of Engineering & Sustainability Summer School (ES3)

WEEK 1

Day 1

Monday	9.00am	Registration
	10.00am	Welcoming Session
	11.00am	Ice Breaking Session/Games
	12.00pm	Get to Know UKM and FKAB
		Program Briefing

Day 2

Tuesday	10.00am	Lecture 1: Computing for Engineering
	2.00pm	Drone Simulation / Race

Day 3

Wednesday	10.00am	Culture Essence of Asia
	11.00am	Must See Putrajaya Part 1
	2.00pm	Must See Putrajaya Part 2

Day 4

Thursday	10.00am	Lecture 2: Computer - Controlled Systems
	2.00pm	Kaiser / ThingsSentral

Day 5

Friday	9.00am	Broga Hill Sunrise
	11.00am	Brunch @ Kampung Leggend
	2.00pm	Cafe-hopping

WEEK 2

Day 1

Sunday	9.00am	Pusat Penyelidikan Chini Trip
	2.00am	Opening and briefing
	3.00pm	Kayaking

Day 2

Monday	9.00am	Tasik Chini Exploration
	2.00pm	Lake & Indigenous Experience

Day 3

Tuesday	9.00am	Aktiviti Denai Tempinis, Denai Kandis & Denai Kempas
	11.00am	Closing
	2.00pm	Return to UKM

Day 4

Wednesday	10.00am	Lecture 3: Finite Element Method
	2.00pm	Kayuhan Ceria ES3

Day 5

Thursday	10.00am	Waste Discovery
	2.00pm	Lecture 4: Industrial Safety

Day 6

Friday	9.00am	Pineapple Farm Visit
	11.00am	Must See Kuala Lumpur Part 1
	1.00pm	Solat Jumaat Masjid Negara
	2.00pm	Must See Kuala Lumpur Part 2

Day 7

Saturday	7.00am	FKAB @parkrun
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WEEK 3

Day 1

Monday	9.00am	Tradisional Games
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Day 2

Tuesday	9.00am	Lecture 5: Engineering Statistics
	2.00pm	Clean Water Project
	7.30pm	Night Market Experince

Day 3

Wednesday	9.00am	Replanting - Carbon Foot print and Taman Lestari
	1.00pm	Postgraduate Talk - Siswazah

Day 4

Thursday	10.00am	Lecture 6: Social, Economic, & Environmental Sustainability for Next Generation
	2.00pm	Chem E Car Competition
	8.00pm	Dinner Night / Award Ceremony

Day 5

Friday	9.00am	Checkout
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Kampung Orang Asli



Braga Hill



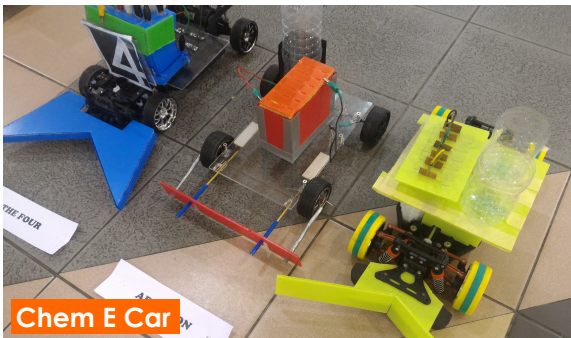
Putrajaya



Indigenous Experiences



Kuala Lumpur



Chem E Car



Tasik Chini Exploration



Culture Essence of Asia

CONTACT US

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