



**FAKULTI
KEJURUTERAAN**
FACULTY OF ENGINEERING
فاكولتي كجوروتراان

Explor**ENG**



SUMMER PROGRAMME

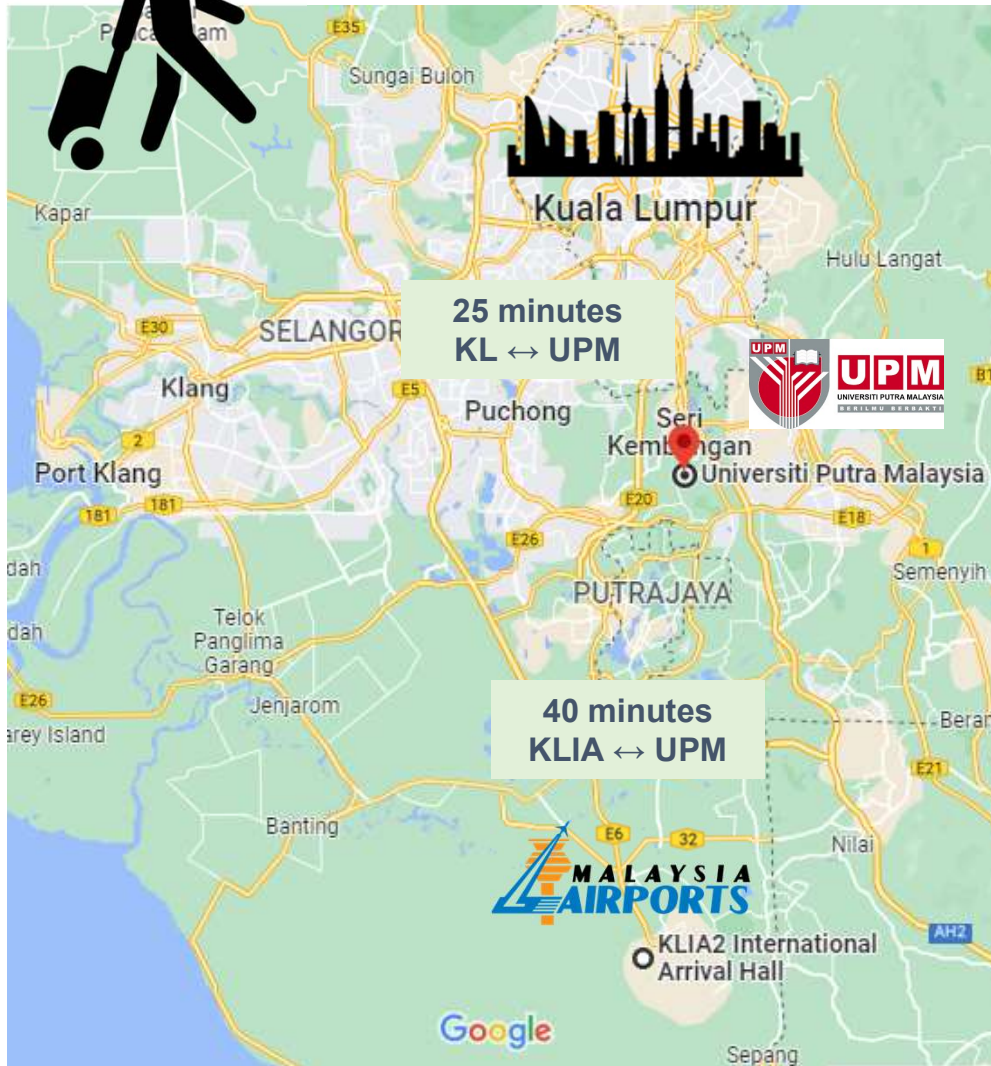
13th August – 26th August 2023

Institution	Universiti Putra Malaysia
Address	Universiti Putra Malaysia, 43400 Serdang, Selangor, Malaysia
Office	Industrial Training and Mobility Unit, Faculty of Engineering
Website	https://www.upm.edu.my/ https://eng.upm.edu.my/ https://conference.upm.edu.my/exploreng
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ExploreENG'23 @UPM



Let's go to UPM!



WHY UPM?

Universiti Putra Malaysia is an internationally acclaimed university with 90 years of excellence in higher education and is recognised as one of the top research universities in the region. In collaboration with some of the best institutions of higher learning, UPM offers a diverse range of academic programmes.



RANKED 27TH IN UI GREENMETRIC WORLD UNIVERSITY RANKING - #1 IN MALAYSIA; #2 IN SOUTHEAST ASIA; #3 IN ASIA

RANKED 33RD IN AGRICULTURAL SCIENCES BY NTU WORLD RANKINGS



RANKED 78TH IN TIMES HIGHER EDUCATION EMERGING ECONOMIES RANKING



RANKED 123RD IN QS WORLD UNIVERSITY



RANKED 27TH BEST ASIAN UNIVERSITY IN QS ASIA UNIVERSITY RANKING



RANKED 10TH IN THE WORLD AND 1ST IN MALAYSIA FOR QS TOP 50 UNDER 50



14 SUBJECTS RANKED TOP 200 UNIVERSITIES IN THE WORLD



RANKED 51-75 FOR FOOD SCIENCE & TECHNOLOGY SUBJECT BY SHANGHAI RANKING



RANKED 42ND IN AGRICULTURAL SCIENCES BY U.S. NEWS AND WORLD REPORT: BEST GLOBAL UNIVERSITIES RANKINGS

ExploreENG'23 Summer Programme



Participants may apply for one (1) credit hour transfer

**small administrative fee applies*

WEEK 1

Day	Date (Aug 2023)	Programme
Sunday	13	Arrival and Registration
Monday	14	Opening Ceremony, Ice Breaking, Faculty Visit
Tuesday	15	Technical Session 1
Wednesday	16	Technical Session 2
Thursday	17	Cultural Visit 1 : Melaka Visit
Friday	18	UPM Campus Visit @ UPM EduPark
Saturday	19	Cultural Visit 2 : Putrajaya Visit

WEEK 2

Sunday	20	Cultural Visit 3 : Kuala Selangor Nature Park
Monday	21	
Tuesday	22	Technical Session 3
Wednesday	23	Technical Session 4
Thursday	24	Cultural Visit 4 : Kuala Lumpur Tour
Friday	25	Cultural Performance Day
Saturday	26	Departure



ExploreENG'23 Technical Sessions

Theme : Engineering Innovations of Climate Resilience

SMART Tunnel Visit

The technical visit offers the participants an opportunity to learn first-hand the SMART (Stormwater Management and Road Tunnel) system components and operation. SMART is a unique and an innovative project of the Government of Malaysia to alleviate flood problem and ease traffic congestion in the City Center of Kuala Lumpur. It is equipped with a sophisticated flood detection system issuing real time flood forecasting information and a remote control system executing flood control actions.

Organized by: Department of Civil Engineering

High Altitude Balloons & Miniature Probes

In this hands-on programme, participants will be introduced to high-altitude balloons and probes that can be used to monitor the environment. Participants will have the opportunity to create miniature probes from recycled materials, then release them from a tethered balloon system at a height of around 100 m. Mini-competitions such best design, best estimation of landing point, etc will be conducted to maximise the fun.

Organized by: Department of Aerospace Engineering

Incident Command System

This Incident Command System (ICS) is a standardized framework that enables federal, state and local government to work together to prepare for, mitigate, prevent, respond and recover from the effects of incidents. ICS is developed mainly by the United States Forest Services (USFS) and had now been used by more than 20 countries.

Organized by: Department of Biological & Agricultural Engineering,

Agrovoltac Farming Showcase

Participants will be taken to visit AgroPV Integrated SB, the first Agrivoltaic company in South-East Asia, and their 2 MWp Solarfarm in Puchong that produces 2 tonne raw MK Herbs/harvest. Agrovoltac is the concurrent use of land for agriculture and solar power production, a strategy towards income diversification, energy resilience, and a reduced carbon footprint.

Organized by: Department of Process and Food Engineering



ExploreENG'23 Package



13 - 26 AUG 2023

TRUE ENGINEER
THROUGH EXPLORATION

Fee
MYR 2,800
per person

Register Now >

www.exploreng.upm.edu.my

AGRICULTURE . INNOVATION . LIFE



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU . BERAKSI

FAKULTI KEJURUTERAAN
FACULTY OF ENGINEERING
فاكولتي كجوروتراان

Educational and Cultural Visits

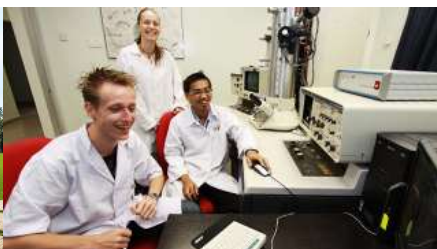


Package Includes:

- Accommodation ☒
- Meals ☒
- Campus tour ☒
- Land transportation ☒
- Field trips ☒
- Course materials ☒
- Programme bag & kit ☒

Package Excludes:

- Flight ticket ☐
- Airport transfer ☐
- Travel insurance ☐
- Pocket money ☐



ExploreENG'23 Registration Deadline & Fees



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Save
Up to

RM150

Early-bird deadline
15 June 2023



Registration deadline
15 July 2023



Full Payment by
25 July 2023



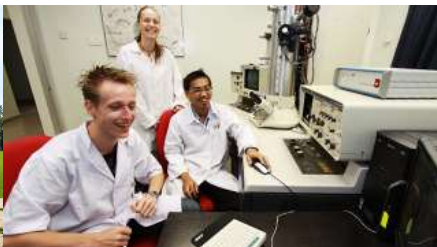
*Inclusive of accommodation,
meals, course materials, field
trips & land transportations
during the programme

Seats Are Limited,
So Grab Yours Today!

Category	Registration deadline	Fee
Early bird registration deadline	15 June 2023	RM 2,650
Normal registration deadline	15 July 2023	RM 2,800
*Additional fee for credit transfer	25 July 2023	RM 150
Full payment deadline	25 July 2023	-

To express interest

SCAN HERE



ExplorENG'23 Credit Transfer Information

Course	ENG 3101 - Engineering Seminar																				
Credit Hour	1 Credit (0+1)																				
Total Contact Hours	42 hours																				
Semester	Semester 3 Session 2022/2023. Academic calendar . Date : 17 th July 2023 – 10 th September 2023																				
Assessments	Write up on based on the technical sessions and activities throughout the ExplorENG: Summer Programme 2023. ENG 3101 follows an alphabet grading system with a passing grade of C (minimum marks of 50).																				
Grading System	<table><tr><th>A</th><th>A-</th><th>B+</th><th>B</th><th>B-</th><th>C+</th><th>C</th></tr><tr><td>80-100</td><td>75-79</td><td>70-74</td><td>65-69</td><td>60-64</td><td>55-59</td><td>50-54</td></tr></table>							A	A-	B+	B	B-	C+	C	80-100	75-79	70-74	65-69	60-64	55-59	50-54
A	A-	B+	B	B-	C+	C															
80-100	75-79	70-74	65-69	60-64	55-59	50-54															
Fee	RM 150.00																				
Result Release	October 2023 (Following UPM Senate Meeting)																				
Registration	In the Expression of Interest for ExplorENG: Summer Programme form, indicate your interest in a credit transfer. The secretariat will issue you a letter of offer for the summer programme with credit transfer, and you are required to complete the program registration and payment. Next, you will be given a student log in ID for the UPM Student Management System (SMP) portal. You will register for the course following the Semester 3 of Session 2022/2023 timeline. You will obtain your final grade from the system in October.																				



ExplorENG'23 Logistical Information

Arrival

Participants are required to arrive at Universiti Putra Malaysia on the 13th August 2023. Accommodation is not provided for early arrival.

Departure

Participants will depart from Universiti Putra Malaysia on the 26th August 2023. Accommodation is not provided for extra day(s).

Application Procedure

1. Programme candidate is required to submit the Expression of Interest form (**QR code**) to join the program.
2. The secretariat will email the candidate an offer letter.
3. Candidate will complete an online payment to confirm registration.
4. The secretariat will email the participant a confirmation letter.

Insurance

Insurance is **not covered** in the program package. Participants are highly recommended to purchase their own insurance that covers the whole programme duration.

Visa Requirement

Participants will make visa arrangements according to the requirements of their nationality.

Covid -19 Vaccinations

Participants must be fully vaccinated (including 1 booster shot) for COVID-19.

Payment Method

Participants must complete payment online via www.flywire.com

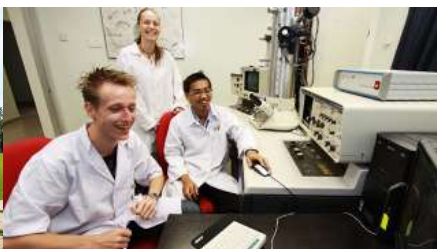
Accommodations

Participants will be accommodated at [Kolej 10](#) UPM

Campus

UPM is located in Serdang, Selangor with 25 minutes journey to Kuala Lumpur. Our green campus is an easy access to public transportations such as [MRT train](#) and [KTM train](#) as well as taxi and Grab car.

Please visit our portal for further information on services around the campus : <https://www.upm.edu.my/services-19>





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