

**School of Mechanical Engineering  
in association with  
International Relations & Research Collaborations (IRRC)  
Organized**

**“International Immersion Program 2025 Malaysia”**

**School:** Mechanical Engineering

**Date:** 21<sup>st</sup> – 27<sup>th</sup> April 2025

**1. Description of Program:**

The School of Mechanical Engineering in association with International Relations & Research Collaborations had organized 07 days International Immersion Program 2024 at Universiti Teknologi Mara (UiTM), Cawangan, Pulau Penang, Malaysia. A total of 16 students from the School of Mechanical Engineering participated in the program which was aimed to provide students with a comprehensive exposure to academic excellence, cultural diversity, and industrial advancements. The program included guest lectures on the topic of Application Autodesk fusion 360 for design of industrial components and machining on CNC 5-axis mill, Introduction to Machine Learning and its Applications, Automotive Industry.

**2. Inaugural Ceremony**

The program commenced with a formal inauguration at UiTM, where the Rector delivered a welcome address, emphasizing the significance of international collaborations in higher education. The ceremony was enriched by traditional Malaysian dance and martial arts performances, showcasing the rich cultural heritage of Malaysia. Mechanical Engineering students from UiTM actively participated, demonstrating their skills and enthusiasm.



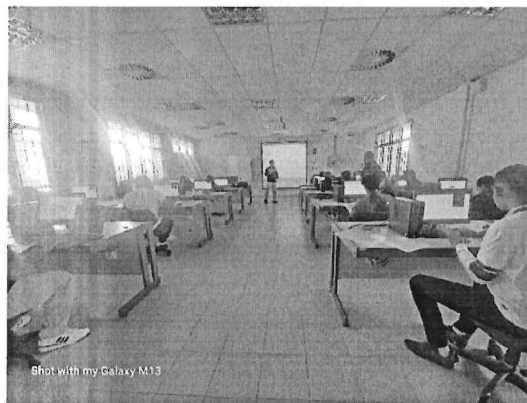
**3. Academic Sessions**

Over the course of six days, participants engaged in expert-led sessions covering various facets of mechanical engineering and related disciplines:

- **Ir. Dr. Ahmad Fiaz Zubair:** Delivered insights into advanced engineering practices and innovations.
- **Ts. Dr. Pramodkumar S K:** Discussed on Artificial Intelligence for Mechanical engineering solutions and their global implications.
- **Ts. Dr. Fadzli:** Focused on the integration of technology in automotive engineering.

- **Prof. Reizal:** Explored the future of mechanical engineering in the context of Industry 4.0.

These sessions facilitated knowledge exchange and encouraged collaborative thinking among students and faculty from both institutions.



#### 4. Cultural and Industrial Exposure

The program included visits to significant cultural sites:

- **Pulau Penang Island:** Participants explored the island's historical landmarks, local industries, and cultural sites, gaining insights into Malaysia's heritage and economic landscape.
- **Kuala Lumpur:** The capital city offered a blend of modernity and tradition, with visits to key industrial hubs and cultural attractions, enhancing participants' understanding of Malaysia's development.



## 5. Closing Ceremony

The program concluded with a formal closing ceremony, where participation certificates were awarded to students from both REVA University and UiTM. This gesture symbolized the successful completion of the immersion experience and the strengthening of academic ties between the two institutions.



## 6. Conclusion

The International Immersion Program 2025 was a resounding success, achieving its objectives of academic enrichment, cultural exchange, and international collaboration. The seamless coordination between REVA University and UiTM, coupled with the active participation of students and faculty, ensured the program's success. The positive feedback received underscores the program's impact on broadening participants' global perspectives and fostering international academic partnerships.



Organized by:

**Ts. Dr. Pramod S K**  
**International Co-ordinator**  
**SoME, REVA University**

**Director**  
**SoME**  
**REVA University**

**Director**  
**IRRC**  
**REVA University**







# 3 DAYS COURSE

## DAY 1 : 23 APR 2025 (WEDNESDAY)

### ➤ TOPIC 1: MODULE 1 CAD IN FUSION 360

Speaker : Ir Ts Dr Ahmad Faiz Zubair

Venue : PKM MICT1.3

Time : 9.00 am - 12.00 pm

### ➤ TOPIC 2: MACHINE LEARNING

Speaker : A.P. Ts Dr Pramodkumar S. Kataraki

Venue : PKM Meeting Room Level 1

Time : 2.00 pm - 4.00 pm

## DAY 2 : 24 APR 2025 (THURSDAY)

### ➤ TOPIC 3: MODULE 2 CAM IN FUSION 360

Speaker : Ts. Rizal Mohamed Noor

Venue : PKM MICT1.3

Time : 9.00 am - 12.00 pm

### ➤ TOPIC 4: MODULE 4 CNC MACHINING

Speaker : Ts. Rizal Mohamed Noor

Venue : CNC LAB

Time : 2.00 am - 4.00 pm

## DAY 3 : 25 APR 2025 (FRIDAY)

### ➤ TOPIC 5 : PREVENTIVE MAINTENANCE

Speaker : Ts. Dr Azman Bakir

Venue : PKM Meeting Room Level 1

Time : 9.00 am - 10.30 am

### ➤ TOPIC 6: AUTOMATION

Speaker : Ts. Dr Fadzli Hamid

Venue : PKM Meeting Room Level 1

Time : 10.30 am - 11.30am

### ➤ CLOSING CEREMONY

Venue : PKM Meeting Room Level 1

Time : 11.30 am - 12.30pm



REVA  
UNIVERSITY



UNIVERSITI  
TEKNOLOGI  
MARA



**REVA University****School of Mechanical Engineering****List of Participants for International Immersion Program 2025 Malaysia**

Sl.no	SRN (University Number)	STUDENT's FULL NAME (as mentioned in passport)	Sem and Sec	B.Tech Program
1	R22ER059	Santosh Sathiyar	6 <sup>th</sup> B	Mechanical Engineering
2	R23ER823	Ayman Ishaq Khan	6 <sup>th</sup> B	
3	R23ER016	Dhairya Ashwin Shah	4 <sup>th</sup> B	
4	R22ER039	Surya Jayaram	6 <sup>th</sup> A	
5	R22ER055	Prathmesh Nagesh Mestri	6 <sup>th</sup> A	
6	R22ER008	GV Balaji Sharan	6 <sup>th</sup> A	
7	R23ER079	Tajinder Pal Singh Bassan	4 <sup>th</sup> B	
8	R24ER807	Shlok Sameer Shigli	4 <sup>th</sup> B	
9	R23ER078	Syed Muhtashim Ali	4 <sup>th</sup> B	
10	R22ES046	Shahul Nawab	6 <sup>th</sup>	Mechatronics Engineering
11	R24ES038	Vedanta Gupta	2 <sup>nd</sup>	
12	R24ET037	Mythri Raju	2 <sup>nd</sup>	Aerospace Engineering
13	R23ER069	Sahana Nagaraj	4 <sup>th</sup> A	Mechanical Engineering
14	R23ER090	Angel Aradhana		
15	R23ER058	Pratima V M		
16	R23ER068	Sagarika Soma Shekar		





<p align="center"> <b>International Immersion Program 2025 Malaysia</b>  <b>Organised by</b>  <b>School of Mechanical Engineering, REVA University</b>  <b>&amp;</b>  <b>International Relations and Research Collaborations, REVA University</b>  <b>In collaboration with</b>  <b>Universiti Teknologi Mara, Pulau Penang, Malaysia</b> </p>	
Day 1:	Orientation session – Introduction of UiTM & Mechanical department, expertise, Professional technologists.
Day 2:	Trip to Penang
Day 3:	<p align="center"> Session 1: 9am – 12 noon MYT  Topic: Design of Complex CAD models  By Ir. Dr. Ahmad Faiz Zubair, UiTM, Malaysia </p> <p align="center"> Session 2: 2pm – 4pm MYT  Topic: AI for Industrial Applications  By Ts. Dr. Pramodkumar S K, REVA University, India </p>
Day 4:	<p align="center"> Session 3: 9am – 12 noon MYT  Topic: Practical Application - Trochoidal Machining  By Ir. Dr. Ahmad Faiz Zubair, UiTM, Malaysia </p> <p align="center"> Session 4: 2pm – 4pm MYT  Topic: Preventive Maintenance by CNN approach for Vibration Optimization  By Ts. Dr. Azman Bakir, UiTM, Malaysia </p>
Day 5:	<p align="center"> Session 5: 9am – 11am MYT  Topic: Automotive and their mechanisms  By Ts. Dr. Fadzli, Taj International College, Malaysia </p>
Day 6:	Trip to Kuala Lumpur
Day 7:	Departure from UiTM, Pulau Penang, Malaysia

