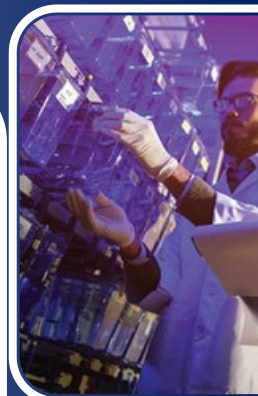


1st EDITION UiTM GLOBAL PENANG Newsletter

GLOBAL INSIGHTS: NAVIGATING UNIVERSALITY WITH UiTM PULAU PINANG



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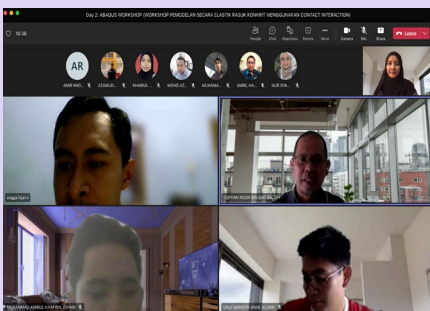
UiTM Global @ Office of International Affairs,
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Malaysia.

Fostering Global Partnerships: Finite Element Method Application Workshop in Collaboration with Universitas Gadjah Mada, Indonesia

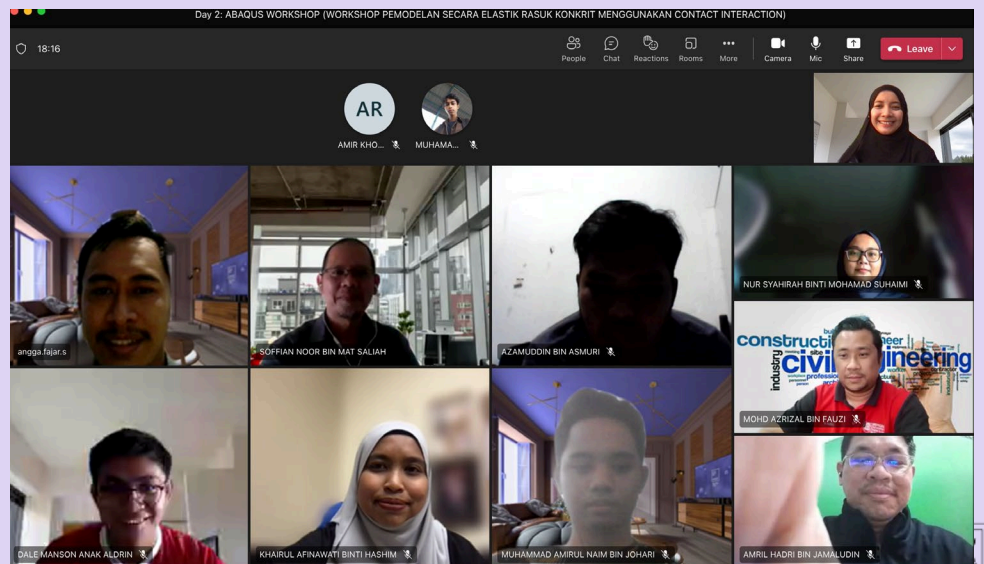
***Noorsuhada Md Nor, Soffian Noor Mat Saliah, Ahmad Syauqi Md Hasan, Amril Hadri Jamaludin, Mohd Azrizal Fauzi, Amir Khomeiny Ruslan, Khairul Afinawati (Universiti Teknologi MARA, Cawangan Pulau Pinang, Malaysia)
Angga Fajar Setiawan (Universitas Gadjah MADA, Indonesia)**

February 2, 2023, a five-day workshop served as a platform for knowledge sharing, aimed at enhancing the skills of several students from the Civil Engineering Studies in using the Abaqus application and the Finite Element Method. This initiative sought to improve the quality of final-year students' research in simulation analysis using Abaqus. The programme aligns with the vision of Dato' Prof. Ts. Dr. Hajah Roziah Mohd Janor, Vice-Chancellor of UiTM, to promote activities that foster research advancement, ensuring alignment with international research standards and strengthening UiTM's global presence through student research capabilities. It also reflects the university's philosophy, encouraging individuals to excel through knowledge transfer for the betterment of self, society, and the nation.

The seminar was led by Assoc. Prof. Dr. Noorsuhada Md Nor and organised by the Material and Structural Integrity (MSI) interest group, Civil Engineering Studies, Universiti Teknologi MARA (UiTM) Pulau Pinang Branch, Malaysia, along with the Ranking Champion from the same branch. It was held in collaboration with **Universitas Gadjah Mada, Indonesia**, featuring Dr. Angga Fajar Setiawan. The aim of the seminar was to strengthen the collaboration between the two universities from both countries.

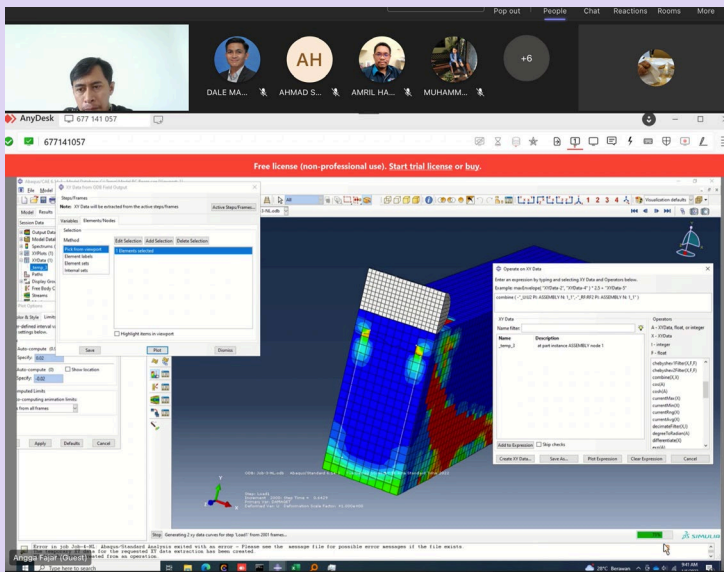


Some of the participants who attended the programme

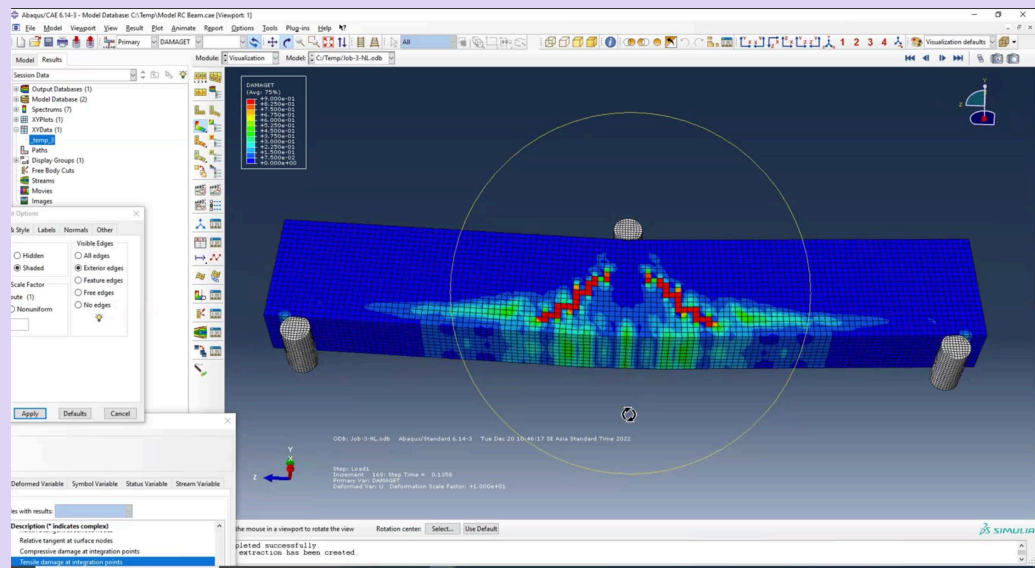


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The workshop included various analyses using ABAQUS for finite element analysis (FEA), focusing on structural performance, stress distribution, material behavior, and simulation modeling to enhance practical applications in engineering and research.



This initiative is designed to achieve several important objectives. First, it provides a platform for students to learn how to collect data and conduct final-year research analysis using Abaqus simulation. Second, it fosters synergy for more sustainable collaboration in research, publication, and student supervision between the two universities from different countries in the field of civil engineering. Lastly, it aims to increase the international visibility of Universiti Teknologi MARA (UiTM) Pulau Pinang Branch.

This seminar provided multiple benefits for students and faculty. Firstly, it enhanced students' skills in conducting analysis using Abaqus simulation. Secondly, it opened opportunities for both students and lecturers to collaborate in research, student supervision, and publication with the appointed speaker. Lastly, it aimed to improve the competence and professionalism of UiTM students in data analysis.



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