

FOREWORD BY AIBIG DIRECTOR

It is my pleasure to welcome you to the 1st issue of the AI Spectrum newsletter from the Institute for Artificial Intelligence & Big Data (AIBIG), Universiti Malaysia Kelantan (UMK). Before reading this bulletin, let's know a bit about AIBIG.

AIBIG is a research center of excellence (CoE) located in Kota Bharu, Kelantan. The establishment of AIBIG was initiated under the UMK Board of Directors in September 2017. As one of the research centers at UMK, our mission is to lead in the research and development of holistic talents and innovative technologies in AI and Big Data. The objectives of AIBIG are to conduct research and development in AI and Big Data towards the Fourth Industrial Revolution (4IR), engage with industry players in AI and Big Data, produce technopreneurs in AI and Big Data, and provide training in AI and Big Data for society.



Dr. Muhammad Akmal bin Remli

Director Institute for Artificial Intelligence and Big Data (AIBIG)

One of the crucial initiatives that has been approved is the UMK IR4.0 Competence Centre (4IR CC), serving as a professional training center in AI and Big Data. Additionally, we boast facilities like the AIBIG Research Lab, which is tailored for postgraduate and postdoctoral research programs. Since the establishment of the 4IR CC in 2021, over 1,000 individuals, including students, staff, agencies, industries, and the public, have significantly benefited, particularly from our training and upskilling programs.

In addition to our focus on research and development, we've taken on the responsibility of spearheading the development of IT academic programs in the fields of AI, Data Science, and IoT over the past few years. These programs encompass Bachelor's, Master's, PhD, and University IR4.0 Courses. Commencing in 2021, they operate under the Faculty of Data Science and Computing at Universiti Malaysia Kelantan, City Campus, Kota Bharu, Malaysia.

Alhamdulillah, until now, we have been successfully involved in impactful research, comprehensive training initiatives, robust industry collaborations, partnerships, and engaging events, all serving to raise awareness of AI's profound impact. We firmly believe that our institute will continue to drive progress and make meaningful contributions to academia, society, and industry—a narrative you'll explore further in this inaugural edition of AI Spectrum.

Enjoy reading the AI Spectrum.