



Sustainable Development Goals



Quality Education

4 QUALITY EDUCATION



Access to education can enhance quality of life and prepare future leaders who will find solutions to global challenges. Providing education to children in technical, vocational, and entrepreneurial skills will serve as a foundation for sustainable development through scholarships and educational facilities, as well as eliminating gender disparities in access to education.

College of Engineering

In the presence of Professor Dr. Yassin Taha Al-Hajjar, President of Alnoor University, a distillation test experiment for petroleum products was conducted by Dr. Mahmoud Abdul Karim Abdul Qader, under the supervision of Assistant Professor Dr. Taha Hussein Al-Salim, Head of the Department of Petroleum Engineering, College of Engineering, Alnoor University, in the university's laboratories. The experiment was carried out for third- and fourth-year students using the international standard ASTM D86 method for atmospheric distillation of petroleum products, which determines their boiling range to evaluate volatility in fuels such as gasoline, diesel, and aviation fuel, as well as solvents and other substances included in the curriculum. The test involves heating and distilling a 100 ml sample in stages at atmospheric pressure using a standardized laboratory procedure, with controlled heating and measurement of vapor temperatures during condensation to plot the distillation curve. This curve indicates the initial and final boiling points, which are critically important for engine performance, including cold starting, prevention of vapor lock, and overall product quality. Accordingly, the ASTM D86 method is of great importance for performance and safety.

