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IUB EEE Students Win Silver in Design Challenge in the UK

The Daily Star

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IUB EEE students win Silver Award

Staff Reporter

A team of students from the Department of Electrical and Electronic Engineering (EEE) of Independent University, Bangladesh (IUB), has won the Silver Award in the prestigious Efficiency for Access Design Challenge 2023-24, UK, for their solar-powered gear pump, which is designed to increase the efficiency of pumping water for irrigation.

The announcement was made on Tuesday during the competition's grand finale, which was held virtually from the UK by the organizers, Efficiency for Access Coalition and Engineers Without Borders UK. This remarkable result follows two consecutive Gold Award wins by two other IUB EEE student teams in the same competition in 2022 and 2023.

The silver-winning team consisted of Celestine Gomes, Sayed Alam, and Sabrina Islam.

Their innovative project design, "Design and Construction of Solar-powered Gear Pump," promises to increase water flow rates and reduce energy consumption compared to conventional pumps, making it a sustainable option for irrigation and fluid transfer in remote areas with limited access to conventional power sources.

"Water scarcity is a critical global issue, and our solar-powered gear water pumps could be a promising solution for sustainable irrigation and fluid transfer.