NMD staff bags best use of data science award in gender-responsive labor migration hackathon

An artificial intelligence solution by an ITDI staff with his team bagged the best use of data science in the recently held Dataquest 2022: Gender Responsive Labor Migration Hackathon.

Mr. Christian D. Laurio, RCh, from the National Metrology Division (NMD), and his team, DARNA (**D**etection of **A**nomaly in OFW Recruitment Posts thru **AR**tificial **N**eur**A**l Network) bested 15 other qualifying entries in the said event.

DARNA studies Facebook Overseas Filipino Workers (OFW) recruitment posts and tags them as low or high risk for illegal recruitment. It also shows the Department of Migrant Workers (DMW) website to link the user to legitimate job postings. A combined NLP and Neural Network was used to develop the model which shows 88% accuracy.

For future developments of the model, DARNA shall extract insights on what are the usual targets of illegal recruitment; such as gender, age group, and job requirement. High-risk job posts can be submitted to DMW or concerned agencies for easier investigation. Lastly, DARNA shall be deployed as a website application or through a chatbot and be integrated into Facebook, which can be accessed even through free data.

Mr. Laurio is currently training under the SPARTA Data Scientist Pathway funded by DOST- PCIEERD. Your DOST-ITDI Family is very proud of your achievement. Keep up the good work, Atom! *(APlopino\ITDI GAD Secretariat)*