School boy from Manipur Builds Robot from Scrap

ROBOCOP, Wall E, R2D2, Terminator and C3PO are characters from films that have attracted audiences worldwide. Most of us often wish that we had one of our own because their superhero like abilities would help us finish our homework’s and complete other household chores in a jiffy.

Right from his young days, Thiyam Nandlal Singh, a class 12th student at the Johnstone Higher Secondary School in Imphal, was always eager to know about the working of electronic items. Interestingly, the teenager Nandlal, who belongs from a family of farmers, has had no formal training or expertise in the field other than his own observation driven knowledge.
DVD drives provide the main mechanical movement of the robot and are connected to a pair of syringes filled with water and interconnected with IV-fluid set tubes. This functions as a hydraulic system and allows the hand and head part to perform their functions properly. The robot can move forward, backward, sideward and the head can be rotated left and right — the hands even perform functions like holding and picking objects. The movement of the robot is remote controlled.

With encouragement from his school administration, he has also started to participate in various science exhibitions as well as science fairs across the state, where his innovations have won many prizes. He has also won the second prize at the Zonal Science Exhibition and the first prize for being the Best Individual Exhibitor at the State Level Science Exhibition.

Today Nandlal is treated as a local celebrity in Manipur and most of the Northeastern media agencies as well as publications have widely covered his innovations.

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