

at medium altitude. As per the requirement, flying altitude of 5 km, vehicle speed of Mach 0.5 and endurance of 30 minutes were achieved besides the 2 g (gravity turn) manoeuvre ca-

for autonomous flight with the help of an autopilot. It can also play the role of a jammer and decoy.

Considered as a sibling of pilotless target aircraft Lakshya, it can be launched from a mo-

vehicle to fly during the cruise phase.

Along with the flight control computer for guidance and control, the micro electromechanical-based inertial navigation system guides the aerial

Lakshya-1 and Lakshya-10, ready inducted in the armed forces. Having a length of 2.5 m and diameter of 180 mm, the drone weighs around 75 kg. With a speed of Mach 0.5, it can attain an altitude of more than 5 km.

AI tool takes NIT Rourkela professor to BRICS conclave

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HAVING developed a software tool along with his students to detect neurological disorders like cerebral palsy, an assistant professor of NIT Rourkela Anup Nandy, is all set to present his research work at the 5th BRICS Young Scientist Conclave 2020.

He is one among six Indian scientists from the field of Artificial Intelligence who have made it to the prestigious conclave. The young scientists

were selected by the Department of Science and Technology for representing the country. The conclave is being organised by the National Research University South Ural State University, Russia in collaboration with the Ministry of Science and Higher Education of the Russian Federation and the Secretariat of the Russian BRICS STI Cooperation Council. Nandy will present his research through the online medium on September 23. It is based on the theme - 'The role of

Artificial Intelligence to Healthcare Application.'

The professor had developed the device along with PhD scholar Joyeeta Chakraborty and some other students. Nandy claimed to have applied for copyrights of the software. Using sensors, a wearable device and techniques of



AI, the device can apparently detect the disorders by analysing the walking patterns of its user. This year, the conclave - that presents a platform to young scientists from the BRIC

nations for collaborations based on three themes: artificial intelligence, ecology and material science. India is scheduled to hold the sixth edition next year. 'I will explain my research work to the scientists from other countries so they get benefited. We will look at possible collaborations,' he said.

During his presentation, Odisha-based scientist will address the participants on topics - understanding the human cognition through machine analysis and the tool.