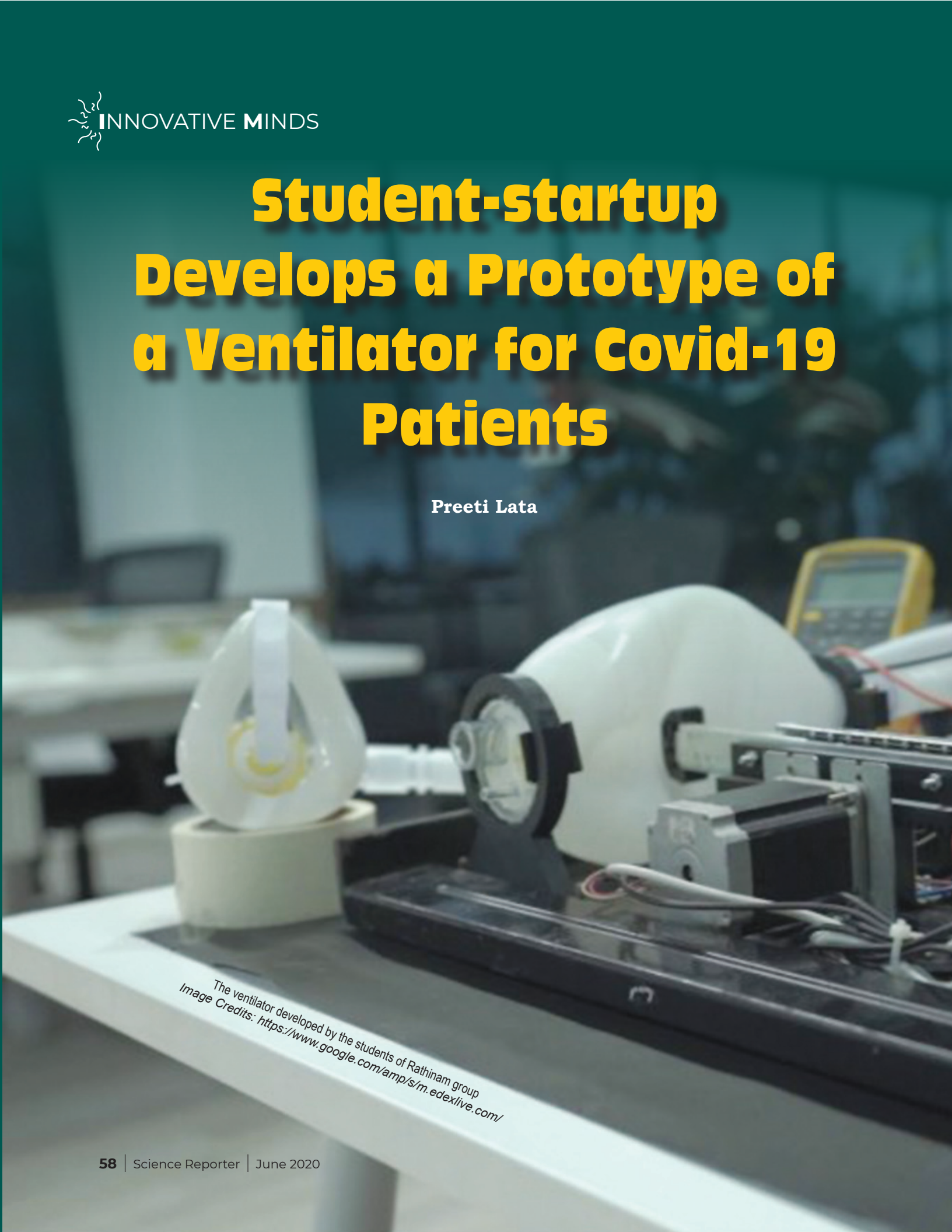


Student-startup Develops a Prototype of a Ventilator for Covid-19 Patients

Preeti Lata

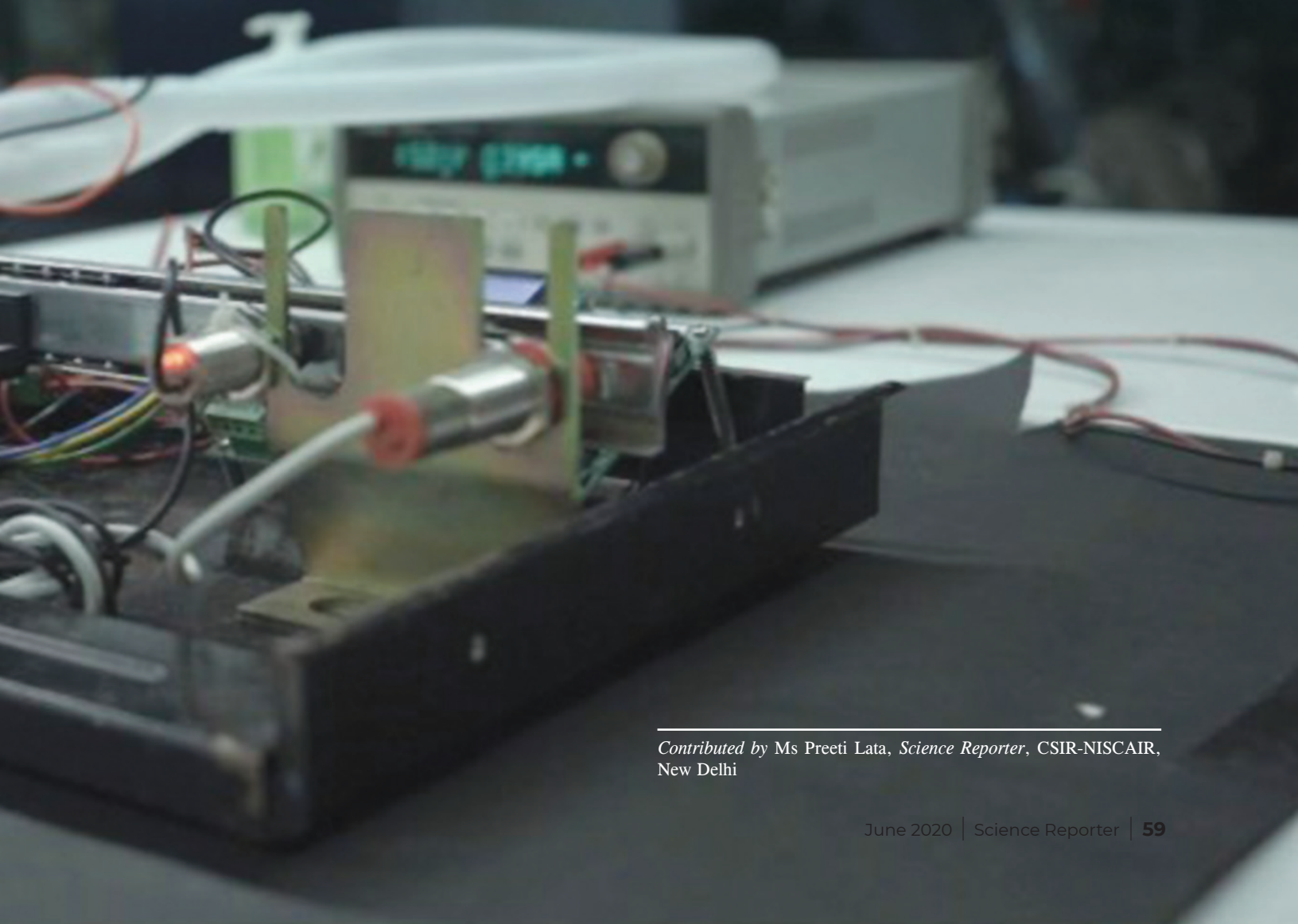


The ventilator developed by the students of Rathinam group
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IN an effort to battle the shortage of medical equipment caused due to the novel coronavirus crisis, a startup started by students of Rathinam Group of Institutions at the Atal Incubation Centre (AIC) has developed a prototype of an Intermittent Positive Pressure Breathing Ventilator (IPPV) to save lives of the infected patients. The ventilator is low-cost and can be used in an emergency. The team is upgrading the product to make it suitable for use in Intensive Care Units (ICUs). They are planning to give this to ICMR (Indian Council of Medical Research) to get

it certified after which it could be produced commercially.

Ebin, Microbiology Engineer and senior manager at Atal Incubation Centre, told *Hindustan Times*, “During this COVID-19 pandemic crisis, we came up with this low-cost ventilator. When we started we thought that ventilators are huge and sophisticated machines. But when we thought of designing one, we came to know that most emergency ventilators use the same mechanism and the base technology is the same. We started making a prototype of intermittent positive pressure ventilation.”



Contributed by Ms Preeti Lata, *Science Reporter*, CSIR-NISCAIR, New Delhi