Singapore researcher invents 27-in. motor for electric vehicles

By SABINE LE

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The prototype built this year won an international award in Tansui last month.

Mr Kumar's work was part of a joint project between NTU and Nanyang Technological University in Singapore. The research team was led by Prof. Lim, the executive director of the Electronic Systems Group.

The biggest challenge with electric cars is that they can travel only a limited distance before the battery needs to be charged. The 27-in. motor is designed to overcome this problem.

In tropical countries like Singapore, where the weather is hot and humid, the motor would be able to handle the heat and humidity without issues.

Prof. Lim said the research team is looking into ways to improve the efficiency of the motor and reduce its weight, which is important for electric vehicles.

The team is also working on developing new materials that can handle high temperatures and provide better performance.

The motor is expected to be ready for production by 2022.