

TAMIL NADU

Amrita University showcases achievements

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Amrita University has designed a light-weight bulletproof jacket using composite materials that has brought down the weight from 10 kg to around 1.5 kg.

The University showcased this and many more of its research projects to a team of visiting journalists a couple of days ago.

A release issued as part of the exercise, said that scientists led by Shanthanu Bhowmick as principal investigator had designed not just the bulletproof vest but also a helmet for the army that weighed one-tenth of the weight of the vests and helmets the soldiers used.

The second of the innovations the University showcased was 'non-enzymatic glucose sensor and glucometer' by T.G. Satheesh Babu, a research scholar. Made of nano-materials, the device would be an alternative to the commercially available glucose test strips that were prohibitively costly and had reduced shelf life.

The University showcased the progress in developing a low temperature combustion technology to reduce particulate and NOx emissions in diesel engines, high-accuracy speaker recognition system for national security and forensics by Santhosh Kumar, and its community intervention programme among tribal people in Siruvani.

