

VJIT gets second DRDO project

The Defence Research and Development Organisation (DRDO), New Delhi, has sanctioned a Rs. 51-lakh research project titled ‘investigation of nano crystalline bismuth ferrite for possible shape memory applications’ to P. Venugopal Reddy, director, Vidya Jyothi Institute of Technology.

The VJIT is the first affiliated college under JNTU-Hyderabad to get a second DRDO project. Prof. Reddy had earlier completed another Rs. 50-lakh research project funded by the DRDO, a press release said.

Prof. Reddy said that shape - memory alloy (SMA) is an alloy that “remembers” its original shape and that when deformed returns to its pre-deformed shape after heating. At present, the best material available is nickel-titanium alloy (nitinol). Efforts are on to replace the presently available nitinol with a new material — nano crystalline bismuth ferrite — with higher efficiency.