

## EVERWIN STUDENTS BRING WONDERFUL INVENTIONS & WIN DISTRICT LEVEL CHAMPIONSHIP

*In the Invention Contest - Veetuku Oru Vingnani - organised by Puthiya Thalaimurai Channel.*

P Sampavi of Class VII and S. Divya Dharshini of Class VIII of Everwin Matric have won First Prize under junior category. Their invention is 'Eco Friendly Mini Refrigerator without Compressor'.

Also, Praveen E & Pranav M of Class XI of Everwin Matric have won Third Prize under Senior category. Their invention is 'Laser Security System'.

The key concept of 'Eco Friendly Mini Refrigerator without Compressor' is the usage of Thermo electric module that operates under the principle of Peltier Effect (cooling at a point of 2 different conductors). Advantages are no emission of ozone-depleting CFC gas, safe for environment and maintenance-free.

The working principle of 'Laser Security System' is Light's luminous intensity. When light falls on LDR (Light Dependent Resistor), laser detects the beam through sensors. It also gives access to binary passcode which will be difficult for others to hack.





