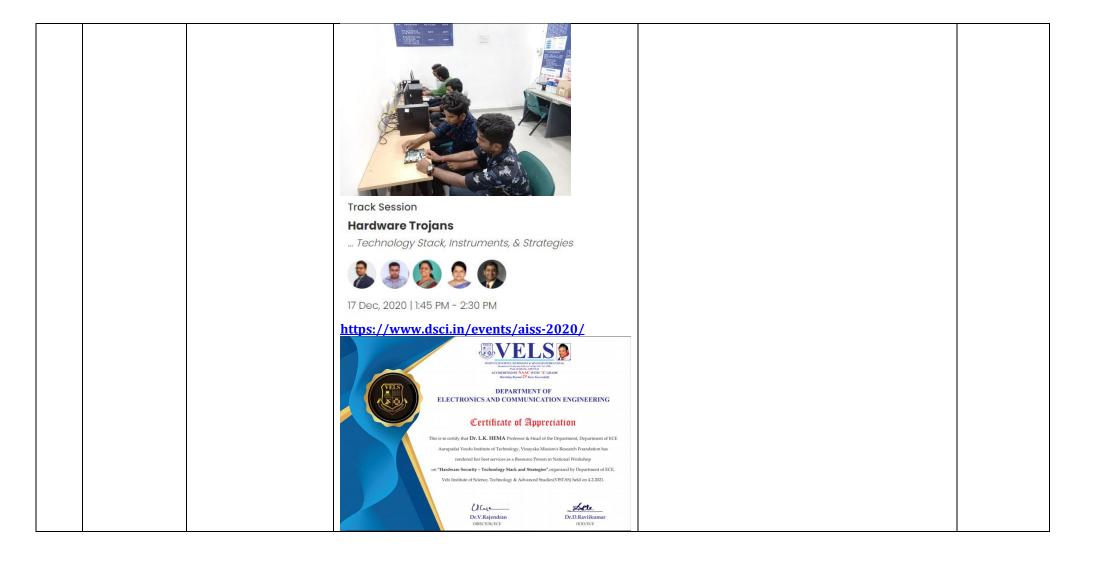
## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## THRUST AREA RESEARCH ACTIVITIES

C No	Department	Thrust Area	Activities		Veer
S.No			Infrastructure	Results of the Progress made	Year
1	ECE	Hardware Security	Project Title :Insertion of Trojan in the sequential circuits and detecting the same through Functional Testing Infrastructure: Hardware Security Research Lab	<ul> <li>This project has received grants of about "Rs.9.9475 Lakhs" from DRDO.</li> <li>In this project, we propose the Development of a system to detect possible hardware Trojans via VeriTrust methodology.</li> <li>In 2019-20, beyond the syllabus experiments have been conducted for students of 3<sup>rd</sup> year ECE.</li> <li>Extension Activities:</li> <li>As extension activities outside the organization, Dr.L.K.Hema ,Professor&amp;HOD, ECE Department has participated as a panelists of the session "Hardware TrojansTechnology Stack, Instruments, &amp; Strategies" conducted by Data Security Council of India(DSCI).</li> <li>She also conducted 1 Day National workshop on "Hardware Security- Technology Stack and Strategies" organized by ECE Department, Vels Institute of Science, Technology &amp; Advanced studies on 4-2-2021.</li> <li>She also conducted a webinar on "Hardware Trojans- Implications and Solutions" at Panimalar Engineering College on 7-1-2021.</li> </ul>	2020



			WITTERS Panimalar Institute of Technology LInstitution's Innovation Council Honoring the Speaker Difference Difference Difference Part L. K., Henna Professor & Head VCP Ampadar Vedu Institute of Technology Chemai Topic: Hardware Trojans- Implications and solutions on 7 Jan 2021		
2	ECE	Internet of Things	<ul> <li>Project Title:</li> <li>➢ IOT Based Real Time Monitoring &amp; Controlling System for Food Grain Procurement and Storage</li> <li>➢ INTEL FICE Project : Development of Driver's Drowsiness Detection using Machine Learning</li> <li>Ongoing:</li> <li>➢ A Wearable Device for continuous health monitoring of Pregnant woman and Fetus</li> <li>Infrastructure: INTEL IOT Lab</li> </ul>	and a Cash Award of Rs.5000/- from IEEE Madras Section under Student Project funding.	2019

