Tentative Schedule

High End Workshop on Hardware Assisted Security for Fog Computing based IoT Networks
(Under the KARYASHALA Scheme – A SERB initiative)
11th – 17th July 2022

Date	08:30 am to 09:00 am	09:00 am to 09:45 am	09:45 am to 10:15 am	Slot-1 10:15 am to 11:30 am	11:30 am to 11:45 am	Slot-2 11:45 am to 1:00 pm	01:00 pm to 2:00 pm	Slot-3 2:00 pm to 5 pm
11th July 2022 (Monday)	Registration (M.Sc. DS Lab, Lab Building, 1st Floor)	Inauguration (M.Sc. DS Lab, Lab Building, 1st Floor)	High Tea	Basics of VLSI (Dr. Rajeevan Chandel, NIT Hamirpur)	Tea & Snacks	Introduction to Hardware Security (Dr. Sreeja Rajendran, DA-IICT Gandhinagar)	Lunch	Introduction to Verilog and Lab on Xilinx-ISE (Dr. Yash Agrawal, DA-IICT Gandhinagar)

Date	Slot-1 10:00 am to 11:15 am	11:15 am to 11:30 am	Slot-2 11:30 am to 12:45 pm	12:45 pm to 2:00 pm	Slot-3 2:00 pm to 3:45 pm	03:45 pm to 04:00 pm	Slot-4 04:00 pm to 05:00 pm
12th July 2022 (Tuesday)	Hardware Trojan Detection (Dr. Sushmita Sur Kolay, ISI Kolkata)	Tea & Snacks	VLSI Testing Principles for Hardware Security (Dr. Sreeja Rajendran, DA-IICT Gandhinagar)	Lunch	Lab on Combinational and Sequential Trojan Circuits (Dr. Yash and Dr. Sreeja, DA-IICT Gandhinagar)	Tea & Snacks	Lab on Combinational and Sequential Trojan Circuits (Dr. Yash and Dr. Sreeja, DA-IICT Gandhinagar)
13th July 2022 (Wednesday)	Physical Unclonable Function (PUF) (Dr. Rajat Subhra Chakrabotry, IIT Kharagpur)		Modeling and Simulation (Dr. Yash Agrawal, DA-IICT Gandhinagar)		Introduction to FPGA and Hardware implementation on FPGA (Dr. Yash Agrawal, DA-IICT Gandhinagar)		Processor Realization and FPGA (Dr. Yash Agrawal, DA-IICT Gandhinagar)
14th July 2022 (Thursday)	Introduction to Cloud, Fog and Edge Computing (Dr. Amit Mankodi, DA-IICT Gandhinagar)		Side channel and Fault Injection Attacks in IoT (Dr. Praveen Kumar Vadnala, Riscure, Netherlands)		Implementation of IoT and Fog Computing using Arduino and Raspberry Pi (Dr. Amit Mankodi, DA-IICT Gandhinagar)		Implementation of IoT and Fog Computing using Arduino and Raspberry Pi (Dr. Amit Mankodi, DA-IICT Gandhinagar)

15th July 2022 (Friday)	Introduction to Embedded Systems and IoT (Dr. Vinay Palaparthy, DA-IICT Gandhinagar)		Security Issues in Fog Computing (Dr.Alka Agrawal, BBAU, Lucknow)		Network Cluster of Raspberry Pi (Dr. Amit Mankodi, DA-IICT Gandhinagar)		Network Cluster of Raspberry Pi (Dr. Amit Mankodi, DA-IICT Gandhinagar)
16th July 2022 (Saturday)	IC Camouflaging and Digital Watermarking (Dr. Rajit Karmakar, Synopsys)		Logic Locking (Dr. Rajit Karmakar, Synopsys)		Lab on IoT Implementation and Hardware Testing (Dr. Vinay Palaparthy, DA-IICT Gandhinagar)		Lab on IoT Implementation and Hardware Testing (Dr. Vinay Palaparthy, DA-IICT Gandhinagar)
17th July 2022 (Sunday)	Hardware Assisted Security for Fog Computing (Dr. Sreeja Rajendran, DA-IICT Gandhinagar)		Quiz and Award		Valedictory		