



ఐఐఐఠి హైదరాబాద్  
आई आई टी हैदराबाद  
IIT Hyderabad



**Chips to Startup  
Programme**  
An initiative by Ministry of Electronic  
and IT, Government of India

**SYNOPSYS**<sup>®</sup>  
*Silicon to Software*<sup>™</sup>



VLSI System Design

# Cloud based Analog IC Design Hackathon

This is to certify that

*CHARAAN S*

from

*Madras Institute of Technology, Anna University*

has designed the circuit

*Design of a 4x4 Braun Array Multiplier with a 3-bit Kogge-Stone Adder, in 32nm CMOS  
Process*

using Synopsys Custom Compiler Platform

She/He has performed an ~~Outstanding/Excellent/Good~~ **Very Good** work.

This program was conducted between 15 February - 1 March 2022 as an initiative of IIT Hyderabad, which has been sponsored by Synopsys in association with VLSI System Design (VSD) Pvt.

**Dr Ashudeb Dutta**  
Program Co-Ordinator, IIT Hyderabad

**Dr B Umashankar**  
Chair CCE, IIT Hyderabad