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आई आई टी हैदराबाद
IIT Hyderabad

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

SYNOPSYS®
Silicon to Software™

VLSI System Design

Cloud based Analog IC Design Hackathon

This is to certify that

Bishal Kumar Gupta

from

Defense Institute of Advanced Technology (in collaboration with NIELIT Calicut)

has designed the circuit

Design of CMOS based Charge Pump Phase Lock Loop with 28nm Technology

using Synopsys Custom Compiler Platform

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

This is computer generated certificate. To verify visit https://hackathoniith.in