



Report
Inaugural Ceremony
Industry based Summer Internship (6 week)
on

RTL to GDS-II: From Silicon to Design

16th June 2025 to 26th June 2025

**Venue: GTU – School of Engineering and Technology, Academic Block 5,
GTU Campus, Chandkheda, Ahmedabad**

Coordinator: Prof. Gautam D. Makwana

Co-coordinator: Prof. Parth M. Chauhan

The inaugural ceremony of the six-week Industry-Based Summer Internship on “RTL to GDS-II: From Design to Silicon” was held on 16th June 2025, from 11:00 AM to 11:45 AM, at the GTU School of Engineering and Technology, Chandkheda Campus.

This internship program is being conducted by EInfochips – An Arrow Company, under the Chips to Start-ups Program of the Ministry of Electronics and Information Technology (MeitY), with valuable support from the ICICI Foundation. The organizing institutions include the GTU School of Engineering & Technology, the GTU Research and Development Cell, and EInfochips.

A total of 67 students, all from the Electronics and Communication Engineering branch and currently in their 6th semester, have been selected for this internship. These students come from various GTU-affiliated engineering colleges across Gujarat, making the program a truly state wide initiative aimed at empowering young minds in the semiconductor domain.

The institutional representation of the selected students is as follows:

Name of Institute	Number of students
Vishwakarma Government Engineering College, Ahmedabad	26
L.D. College of Engineering, Ahmedabad	18
Government Engineering College, Gandhinagar	11
Government Engineering College, Rajkot	4
Dr. S and S.S. Ghandhy Government Engineering College, Surat	4
Government Engineering College, Dahod	3
SAL Institute of Technology & Engineering Research, Ahmedabad	1

These participants will undergo rigorous, hands-on training in industry-standard VLSI workflows—gaining practical insights into the entire ASIC design cycle from RTL coding to GDS-II handoff.

Presence of Dignitaries:

The ceremony was graced by the esteemed presence of:

Dr. Pankajrai Patel, In-charge Hon'ble Vice Chancellor, Gujarat Technological University (GTU)

Dr. R.A. Thakker, Director, Research and Development Cell, GTU

Dr. Nilesh Ranpura, Guest of Honour, Director, EInfochips-An Arrow company

Prof. J.A. Amin, Head of Institute, GTU School of Engineering and Technology

Proceedings of the Ceremony:



Saraswati Vandana and Lamp lighting

- The ceremony commenced on a traditional and spiritual note with the recitation of *Saraswati Vandana*, invoking the blessings of the goddess of knowledge and wisdom.

- This was followed by the ceremonial lamp lighting by esteemed dignitaries, symbolizing the triumph of knowledge over ignorance and the beginning of an enlightening academic journey.

- The dignified start set a reflective and aspirational tone for the six-week internship ahead.



Welcome Address by Prof. J.A. Amin (HOI, GTU-School of Engineering & Technology)

- Prof. Amin extended a heartfelt welcome to the dignitaries, speakers, industry mentors, and students, acknowledging the collaborative spirit behind the initiative.

- He underscored GTU's vision of providing experiential learning through direct exposure to advanced VLSI design flows and industry-grade tools.

- Highlighting the relevance of the internship, he urged students to approach it with commitment, curiosity, and a drive for excellence.



Address by Dr. Pankajraj Patel (In-charge
Hon'ble Vice Chancellor, GTU)

- Dr. Pankajrai Patel articulated the broader strategic goal of GTU to create a pipeline of industry-ready talent for the semiconductor ecosystem.

- He lauded the collaborative effort between GTU, EInfochips, MeitY, and the ICICI Foundation in nurturing future chip designers.

- Encouraging the participants, he emphasized that initiatives like this internship are not just training programs but platforms for transformation and discovery.



Keynote Address by Dr. Nilesh
Ranpura (EInfochips – An Arrow
Company)

- Dr. Nilesh Ranpura delivered a compelling address on the real-world importance of the RTL to GDS-II design flow, placing it within the broader context of global semiconductor innovation.

- He offered technical insights into the design challenges faced by industry and how this internship bridges critical skill gaps for aspiring engineers.

- His message resonated with inspiration, urging students to think beyond coursework and aspire to be innovators and contributors to India's VLSI landscape.



Vote of Thanks by Dr. R.A. Thakker
(Director, RDC, GTU)

- Dr. Rajesh Thakker expressed deep appreciation to all supporting organizations, dignitaries, and faculty members who made the event possible.

- He acknowledged the pivotal role of industry partnerships in translating academic learning into employable skills.

- Concluding on a motivational note, he encouraged students to fully engage in the internship and seize every opportunity for learning and growth.



Conclusion of ceremony with
National Anthem

- The formal function concluded with the collective rendition of the National Anthem, instilling unity, discipline, and a sense of national purpose.
- Prof. Gautam Makwana then addressed the participants informally, offering a comprehensive orientation on the internship structure, modules, and deliverables.
- He motivated students to take ownership of their learning journey, be inquisitive, maintain discipline, and make the most of the rare opportunity to work closely with industry experts.

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