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UGC Status: Letter No. F.8-29/2017(CPP-I/PU), Dated 20 Dec. 2017. Enlisted by the University Grants Commission, New Delhi, in the list of Private Universities in India.  
A Private University enacted by Govt. of Karnataka as "Sharnbasva University Act. 2012" Karnataka Act No. 17 of 2013. Notification No. ED 144 URC 2016 dated 29/07/2017

Date: 08/11/2021

## FACULTY OF ENGINEERING & TECHNOLOGY (CO-EDUCATION) DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

REPORT ON

INVITED TALK BY MR. SWAPNEEL BIRADAR, SENIOR ENGINEER, QUALCOMM INDIA PVT.LTD.

BENGALURU, KARNATAKA

Topic Covered: INTRODUCTION TO SEMICONDUCTOR INDUSTRY

### 1. TITLE: INTRODUCTION TO SEMICONDUCTOR INDUSTRY

DATES: 28-11-2021

**2. Preamble:** Invited talk on "Introduction to Semiconductor Industry" was conducted on 28-11-2021 by the Department of Electronics & Communication Engineering. The talk is to make the UG and PG students to understand the current trends of semiconductor industry.

**3. Participant's information:** The students of 5<sup>th</sup> semester, M.Tech in Digital Electronics-3<sup>rd</sup> semester and M.Tech. in VLSI & ES 3<sup>rd</sup> semester are participated . Total No. of students participated 93.

**4. Description about the invited talk:** In the inaugural function Dr. Shivkumar Jawaligi, Dean, Faculty of Engg. & Tech. inaugurated the session. Prof. Sharangouda Navaladi, Asst. Prof. Dept. of ECE (Co-Education) introduced the speaker to the gathering. The guest speaker is felicitated by the Dr. Shivkumar Jawaligi, Dean, Faculty of Engg. & Tech. Sharnbasva University, Kalaburagi.

The speaker started the session by introducing the major semiconductor companies, top EDA companies, then he explained about the IC manufacturing process, VLSI design flow, Logic Synthesis and finally concluded by explaining the applications of the integrated circuit in each one of the following fields.

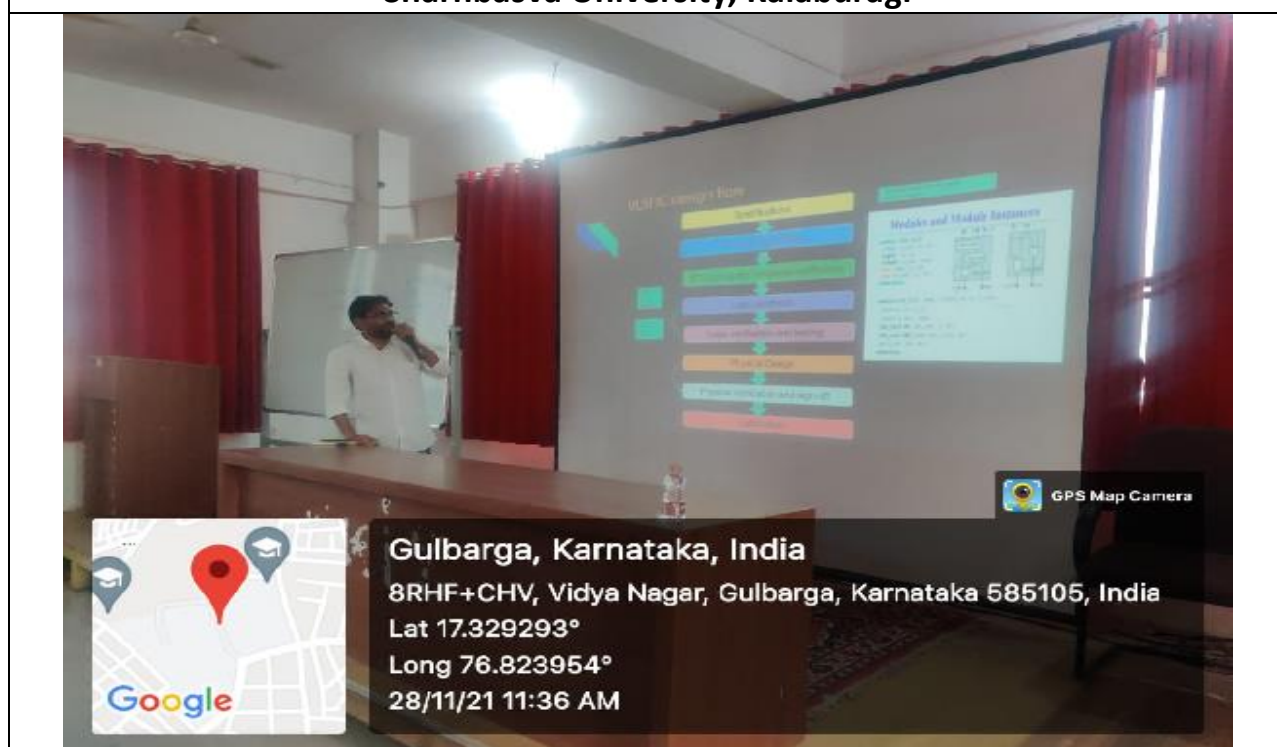
- Wireless communication
- PCs and servers
- Automobiles
- Consumer electronics o Washing machines,TVS, fridges, microwave ovens etc.
- Medical electronic equipments
- Industrial electronic equipments
- Aviation
- Military

The session was very informative and students have shown good response.

At the end of the session Prof. Sharangouda Navaladi, Asst. Prof. Dept. of ECE (Co-Education) proposed vote of thanks to the gathering.



**Figure1- Felicitation to the Guest Speaker by Dr. Shivkumar Jawaligi, Dean Sharnbasva University, Kalaburagi**



**Figure-2-Session conduction by Guest Speaker Mr. Swapneel Biradar**



**Figure-3-Participants attending the session**



**Figure-4- Participants attending the session**

Course outcome: This talk enables the students to understand the semiconductor industry requirements and various job opportunities in the semiconductor industry.

**COURSE OUTCOME AND PROGRAMME OUTCOME MAPPING (1/2/3):**

**Note: 1-Low, 2-Medium, 3-High**

CO/PO	PO.1	PO.2	PO.3	PO.4	PO.5	PO.6	PO.7	PO.8	PO.9	PO.10	PO.11	PO.12	PSO.1	PSO.2
CO	-	-	-	-	3	-	-	-	-	-	-	2	3	3

Impact of the invited talk: This talk will motivate the young minds to take up their carrier in Semiconductor industry.