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Date: 07-3-2022

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

REPORT ON ONE DAY NATIONAL SEMINAR ON "INDUSTRY 4.0"

Topic Covered: INDUSTRY 4.0

1. TITLE: ONE DAY NATIONAL SEMINAR ON "INDUSTRY 4.0"

DATES: 6-3-2022

2. Preamble: One day National Seminar on "Industry 4.0" was conducted on 6-3-2022 by the Department of Electronics & Communication Engineering. The talk is to make the participants aware about the 4th industrial revolution, Technological advancements in the industry 4.0 and comparison of industry 4.0 and industry 5.0.

3. Participant's information: The faculty members and students of various Engineering colleges of Karnataka, Andrapradesh, students of M.Tech in Digital Electronics-1st & 3rd semesters, M.Tech. in VLSI & ES 1st & 3rd semesters, B.Tech. 3rd Semester of Sharnbasva University, are participated. Total No. of participants are: 123

4. Description about the one day National Seminar : Dr. Anilkumar Bidve, Registrar, Sharnbasva University, Kalaburagi inaugurated the One day National Seminar, Prof. Sharangouda Navaladi, Asst. Prof. Dept. of ECE (Co-Education) has hosted the function and introduced the Session-1 speaker Mr. Santosh Wale to all the participants, Mrs. Shruti Patil Asst. Prof. Dept. of ECE (Co-Education) has introduced the session-2 speaker Dr. Ashok Sutagundar to the gathering. Mrs. Revati Kalla, sang the welcome song. The guest speaker is felicitated by the Dr. Anilkumar Bidve, Registrar, Sharnbasva University, Kalaburagi. Dr. Shivkumar Jawaligi, Dean, Faculty of Engg. & Tech. Sharnbasva University, Kalaburagi, Dr. Shashidhar Sonnad, Chairperson, Dept. of ECE (Co-Education), Staff members of ECE Dept., PG and UG students were present in the seminar.

Session.1:

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.

Session-2: In the session-2 the speaker covered the following contents:

- Industry Revolution- from 1760
- Historical Significance of the Industrial Revolution.
- What was the Industrial Revolution?.
- Why the Industrial Revolution Started in England.
- The Birth and Growth of the Textile Industry.
- Transportation Revaluation.
- Communication Revaluation.
- Industrial Automation – Machines.
- Automation Control Networks in Factory Automation.
- From Industry 1.0 to 4.0
- Industry Automation-
- Industry 4.0
- Industry 5.0



Figure1- Online session conducted by Mr. Santosh Wale



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



Figure-3-Falicitation to the guest speaker by Registrar Dr. Anilkumar Bidve

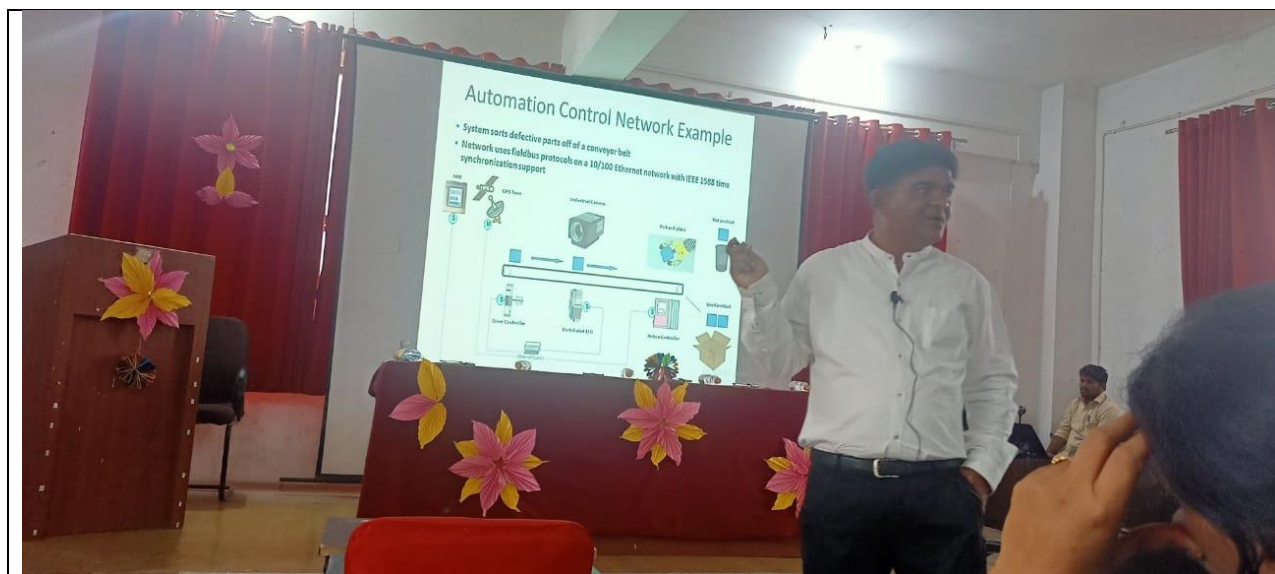


Figure-4- The speaker delivering the session



Figure.5. Students attending the session