



EASWARI ENGINEERING COLLEGE

(Autonomous)

Bharathi salai, Ramapuram, Chennai



DEPARTMENT OF BIOMEDICAL ENGINEERING

INAUGURAL FUNCTION – 02/08/2021

Department of Electronics and Communication Engineering & Department of Biomedical Engineering, Easwari Engineering College* have successfully completed the Two-Week Online Faculty Development Programme on Digital Transformation in Healthcare from 02.08.2021 to 16.08.2021.

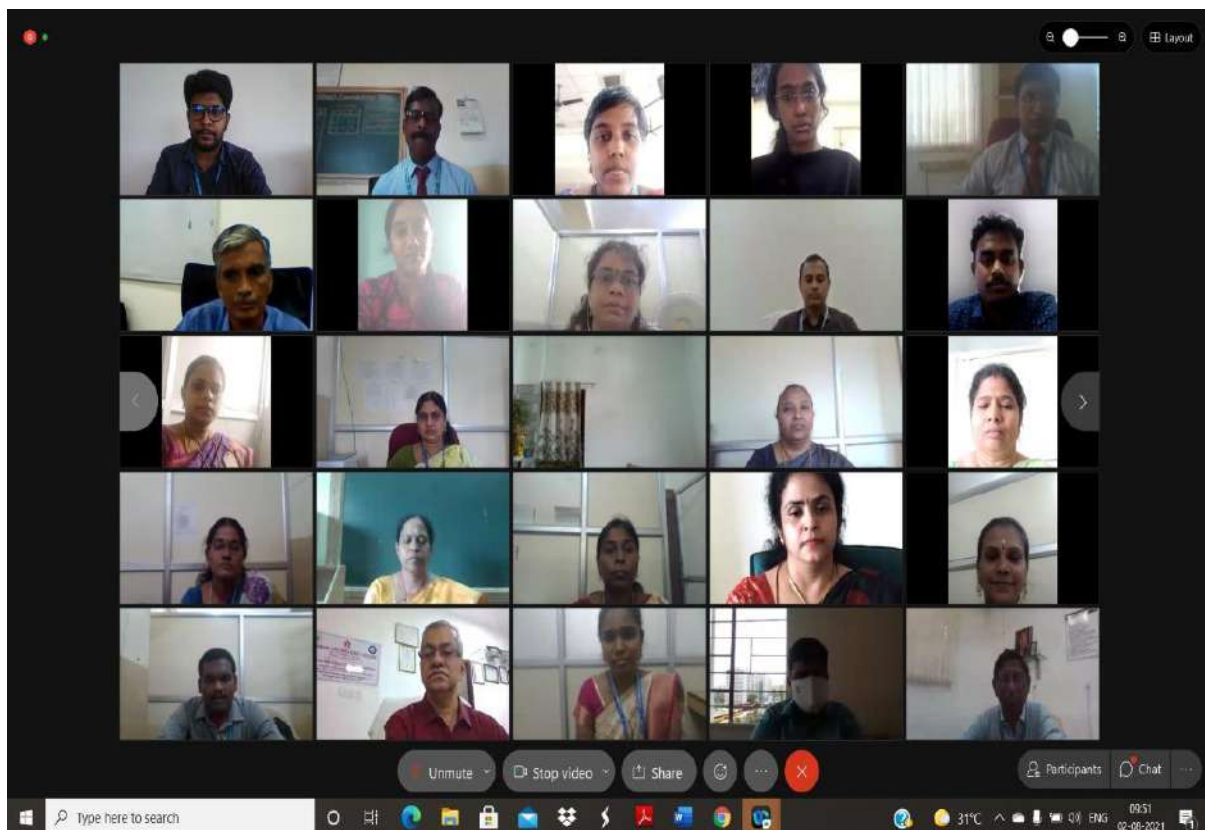
The FDP was inaugurated by Dr. V. Subbiah Bharathi, Director, SRM Group of Institutions - Ramapuram on 02.08.2021 at 09.15 am.

Dr. M. Devaraju, Professor & Head/ECE, delivered the Welcome Address.

Dr. G. Babu, Professor & Head/BME, gave an Overview of the FDP.

Dr. R. S. Kumar, Principal of Easwari Engineering College delivered the Presidential Address.

Ms. S. Caroline Jebakumari, A.P./ECE, delivered the Vote of Thanks.





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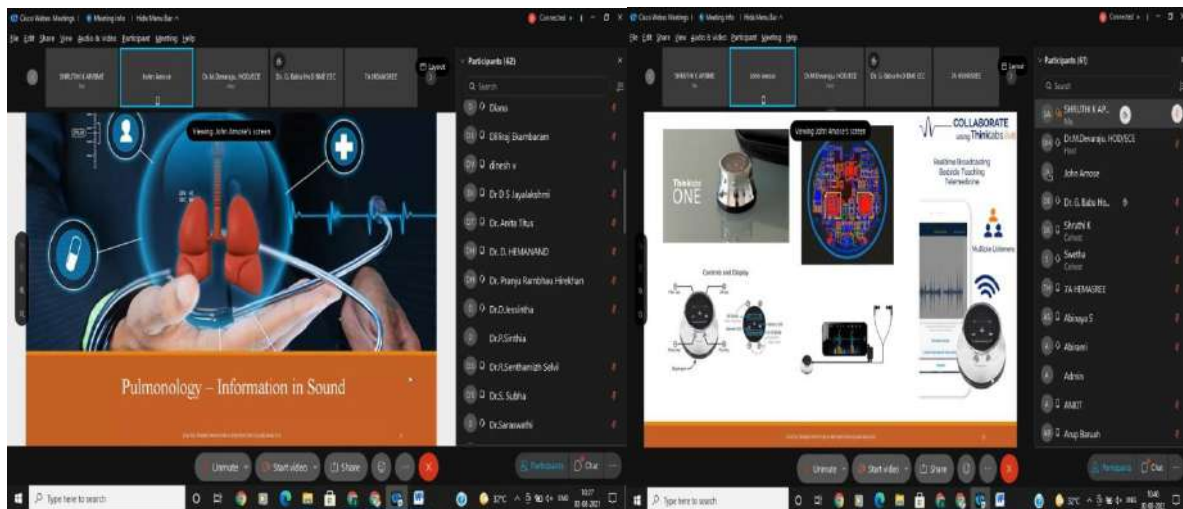
DEPARTMENT OF BIOMEDICAL ENGINEERING

SESSION 1 : 02.08.2021

The session started following the inauguration. Ms. K. Shruthi, A.P./BME introduced the distinguished speaker.

Guest Speaker : **Mr. John Amose**, Assistant Professor (Sr. G.) Department of Biomedical Engineering, KPR Institute of Engineering and Technology, Coimbatore.

Topic : Digital Transformation in Respiratory Sound Analysis



SESSION 2 : 03.08.2021

Guest Speaker : **Mr. T. Saneesh Cleatus**, Associate Professor/ECE, BMS Institute of Technology and Management, Bangaluru.

Topic : Deep Learning Approaches in Biomedical Signal Processing





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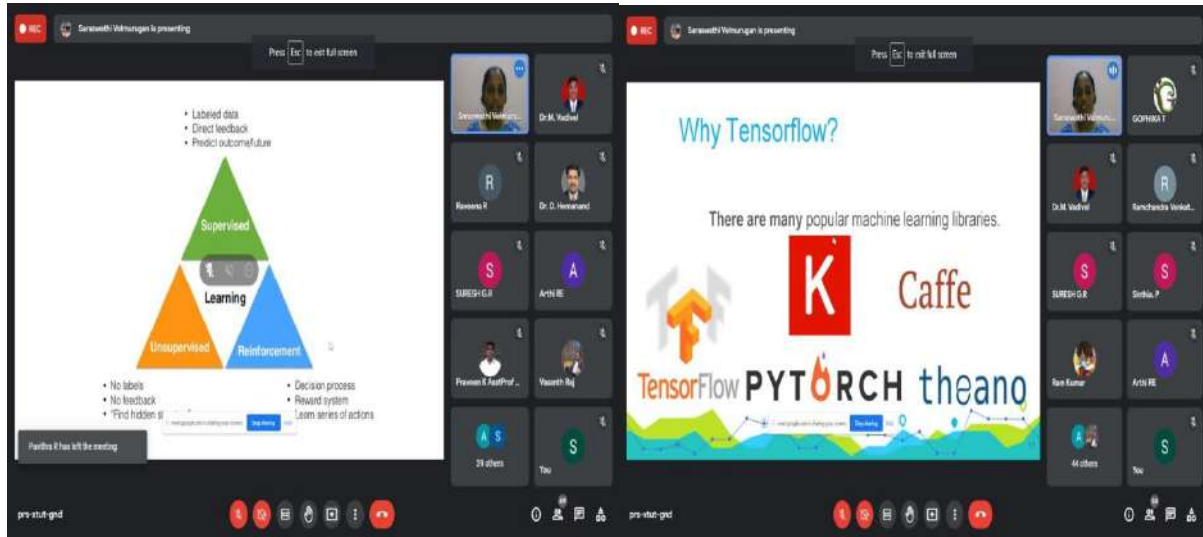


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SESSION 3 : 04.08.2021

Guest Speaker : Dr. B. Saraswathi, Associate Professor/ECE, MVIT, Puducherry.

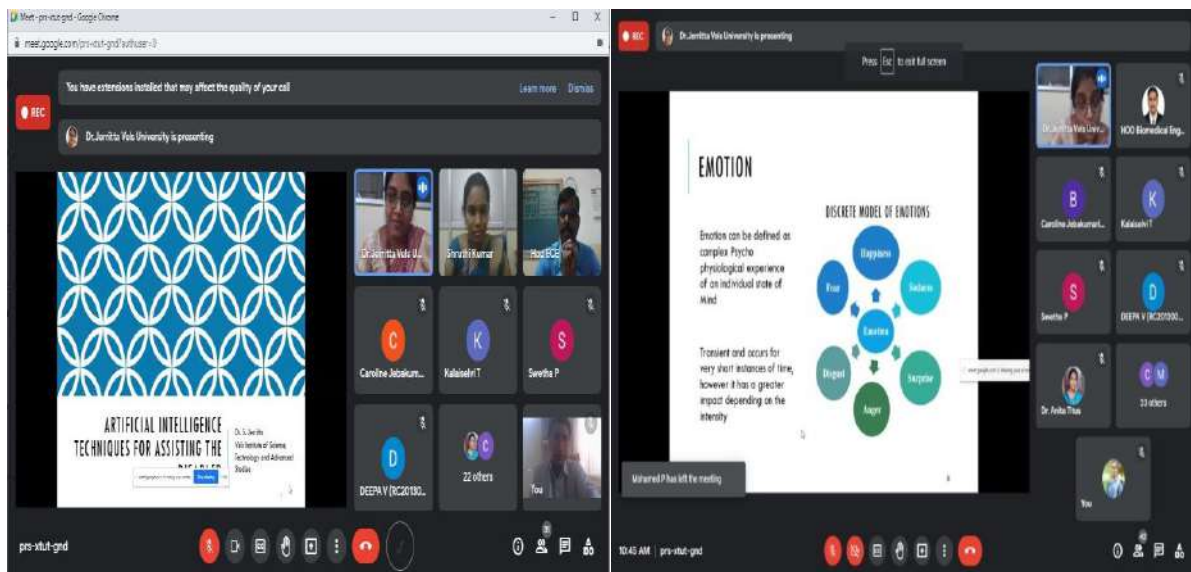
Topic : Hands-On With Google AI



SESSION 4 : 05.08.2021

Guest Speaker: Dr. S. Jerritta, Associate Professor/ECE, School of Engineering, VISTAS, Chennai.

Topic: Artificial Intelligence for Assisting the Disabled





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SESSION 5 : 06.08.2021

Guest Speaker: Dr. C. Ram Kumar, Associate Professor, Department of Biomedical Engineering, Dr.NGP Institute of Technology, Coimbatore.

Topic: Scope of Bio-Fabrication Systems Towards Research

The screenshot shows a Zoom meeting interface. The main window displays a slide titled "Bio-Fabrication Systems towards Research" with a speaker profile for Dr. C. Ram Kumar, Associate Professor | BME, Dr. N.G.P Institute of Technology. A secondary window displays a slide titled "Introduction to cardiovascular system" with a diagram of the heart and text describing its components and functions.

SESSION 6 : 07.08.2021

Guest Speaker : Mr. B. Govardhan, Assistant System Engineer, Tata Consultancy Services, Kochi.

Topic : AI – A Prognostic and Diagnostic Tool

The screenshot shows a Zoom meeting interface. The main window displays a slide titled "AI enables the machine to think, that is without any human intervention the machine will be able to take its own decision. It is a broad area of computer science that makes machines seem like they have human intelligence." It also defines Machine Learning and Deep Learning. A secondary window displays a diagram illustrating the relationship between Artificial Intelligence, Machine Learning, and Deep Learning.



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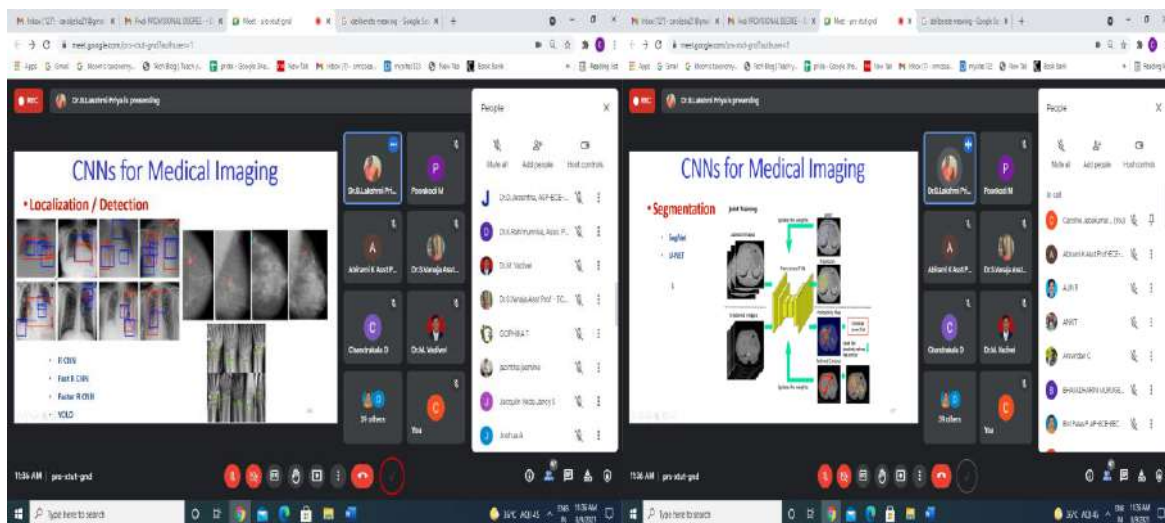


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SESSION 7 : 09.08.2021

Guest Speaker : Dr. B. Lakshmi Priya, Post-Doctoral Fellow, Department of Surgical Gastroenterology, Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry.

Topic: CNN for Medical Imaging



SESSION 8 : 10.08.2021

Guest Speaker : Dr. C. Sheela Sasikumar, Director- Clinical Research, S.S.Healthcare, Head Clinical Research, Hycare Super Speciality Hospital, Chennai.

Topic : 3D Bioprinting of Tissues and Organs - Future of Healthcare





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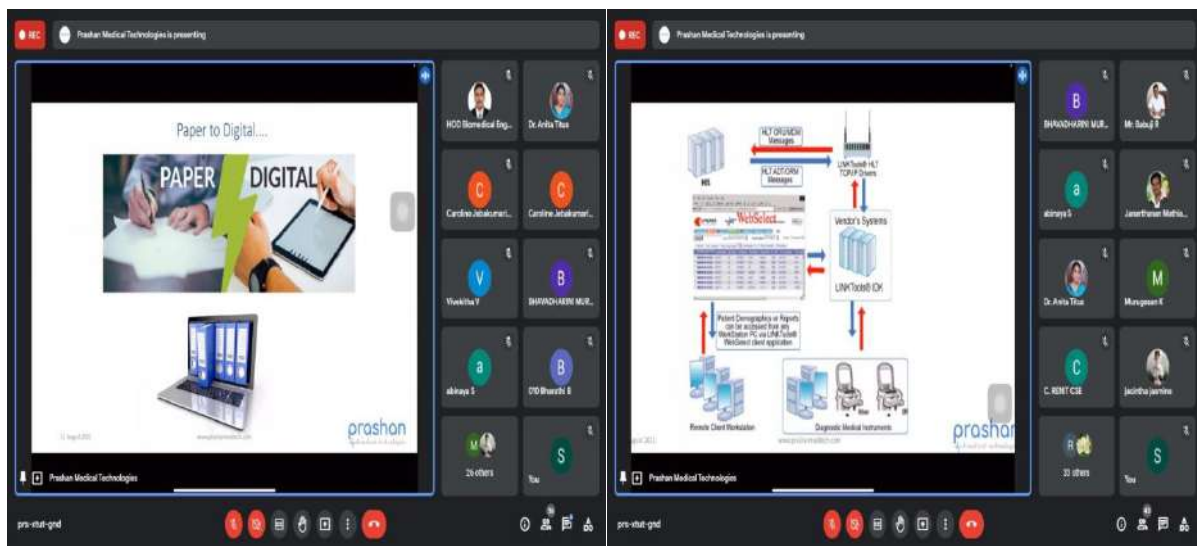


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SESSION 9 : 11.08.2021

Guest Speaker : Mr. BoopathiSakthivel, Founder, CEO & Biomedical Engineer, Prashan Medical Technologies, Coimbatore.

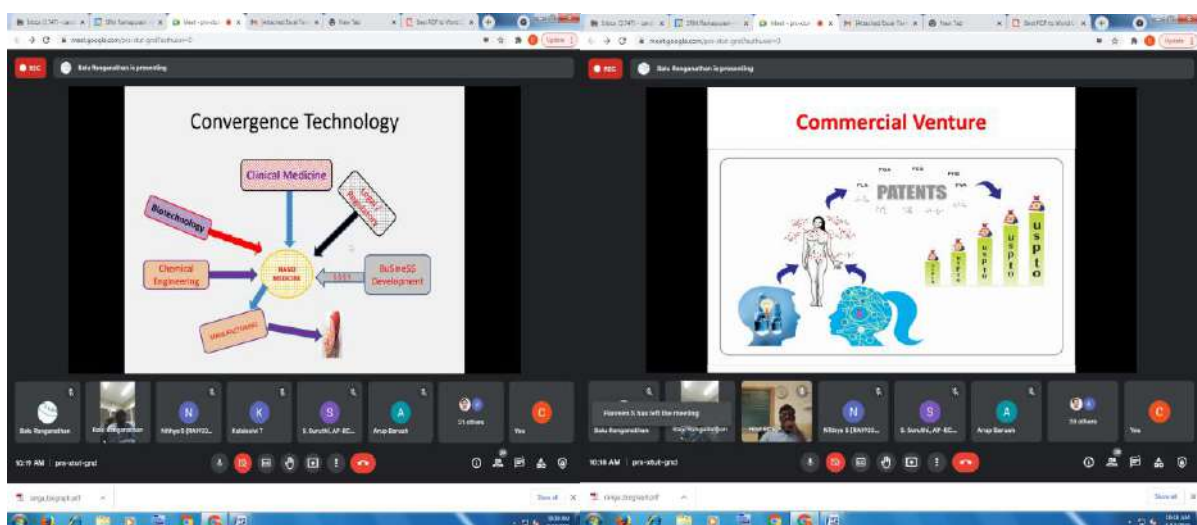
Topic : Roles & Importance of HIS(hospital information system) in the Medical Industry



SESSION 10 : 12.08.2021

Guest Speaker : Dr.Balu Ranganathan, Co-Founder & Technology - Director, Palms Connect LLC, Utah, USA.

Topic : Nano formulation for Breast Cancer Therapy





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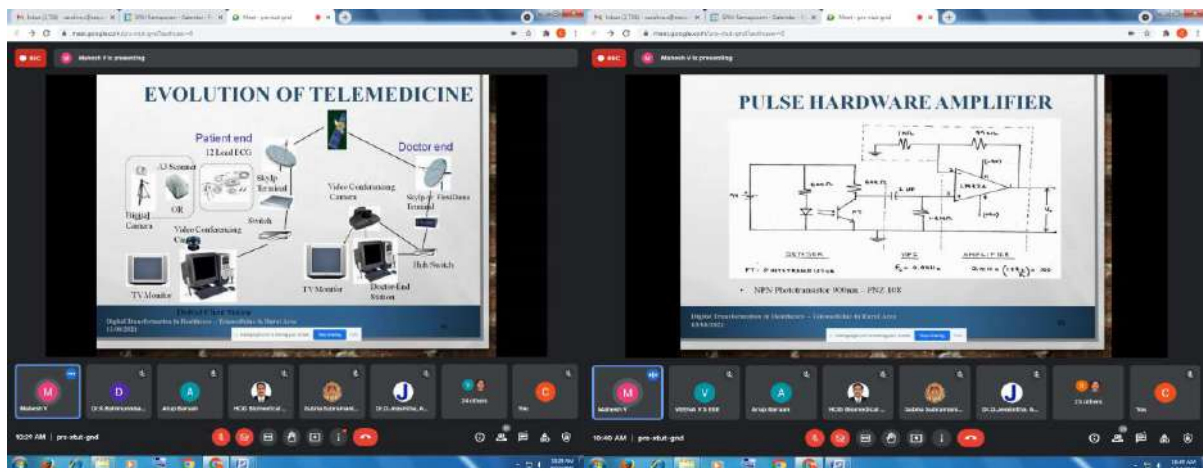


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SESSION 11 : 13.08.2021

Guest Speaker: Dr.V.Mahesh, Associate Professor, Department of Biomedical Engineering, SSN College of Engineering, Chennai.

Topic : Telemedicine System for Rural Healthcare



SESSION 12 : 14.08.2021

Guest Speaker : Dr. E. Muthu, Associate Dean (Research & Innovation), Dr.B.R.Ambedkar Institute of Technology [Govt.], Pahargaon, Port Blair.

Topic : Recent trends and advancements in telemedicine





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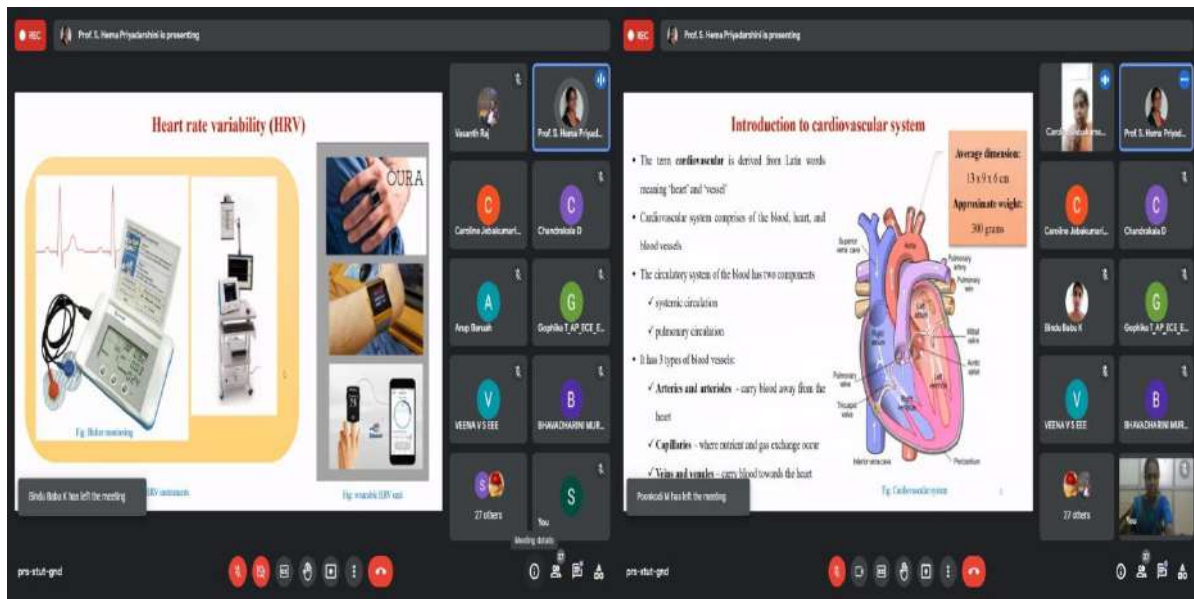


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SESSION 13 : 16.08.2021

Guest Speaker : Ms. S. Hema Priyadarshini, A.P./ Medical Electronics, Dayananda Sagar College of Engineering, Bangaluru.

Topic : Interpretation of Cardiovascular System



VALEDICTORY FUNCTION

The valedictory function was conducted on 16.08.2021. Dr. R. S. Kumar, Principal of Easwari Engineering College addressed the function and Ms. Bindu Babu, A.P./ECE gave the vote of thanks.

