Department of Biotechnology

Forum activity Report

AY: 2020-2021
2020-ODD

*Type of event/activity	Webinar
Name/Title of the Activity/Event	**"Apoptosis- A Programmed Cell Death"** **Resource person-** Mr. Sagar S Scientist & Proud Alumnus of BT dept Skanda Life Science PVT.LTD Bangalore
Date of Organization	19-Dec-2020
Venue (with address)	Department of Biotechnology (SCE)
Organized by	**Convener:** Prof. Prashanth Kumar H. P. **Co-ordinator:** Dr. Chethana K R and Prof. Ramya D L
Objectives of the event/activity	To discuss on: • Apoptosis as a form of programmed cell death, or "cellular suicide" • Cell morphological changes that occur during apoptosis • Mechanisms of apoptosis: Extrinsic pathway & Intrinsic pathway • Inhibitors of apoptosis: transcriptional regulation and post-translational modifications • Anti apoptotic genes: Bcl-2 and Bcl-XL in mammalian cells • Apoptosis and its importance in life form
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	88 participants
Mention organized /participated/attended	Organized

Event Description:

The Department of Biotechnology organized a webinar on "Apoptosis- A Programmed Cell Death" under the banner of The Institution of Engineers (India) Student chapter on 19-Dec-2020 in association with

Shristi Forum, BT, SCE.

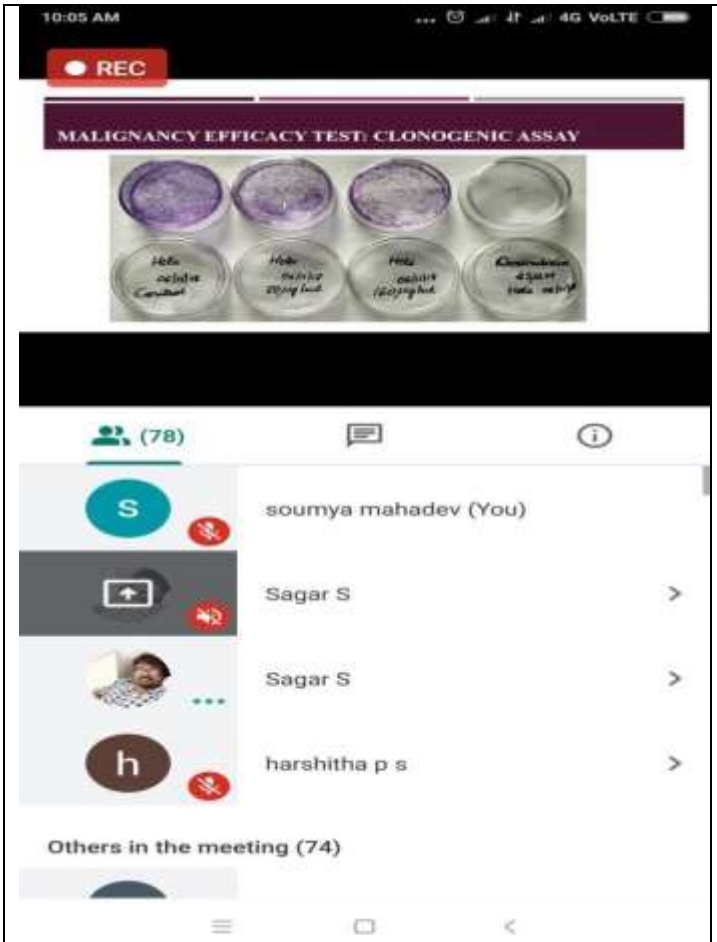
The session was open for the students and research scholars from various institutes. The resource person for the talk is Mr. Sagar S, Scientist & Proud Alumnus of BT dept, from Skanda Life Science PVT.LTD, Bangalore.

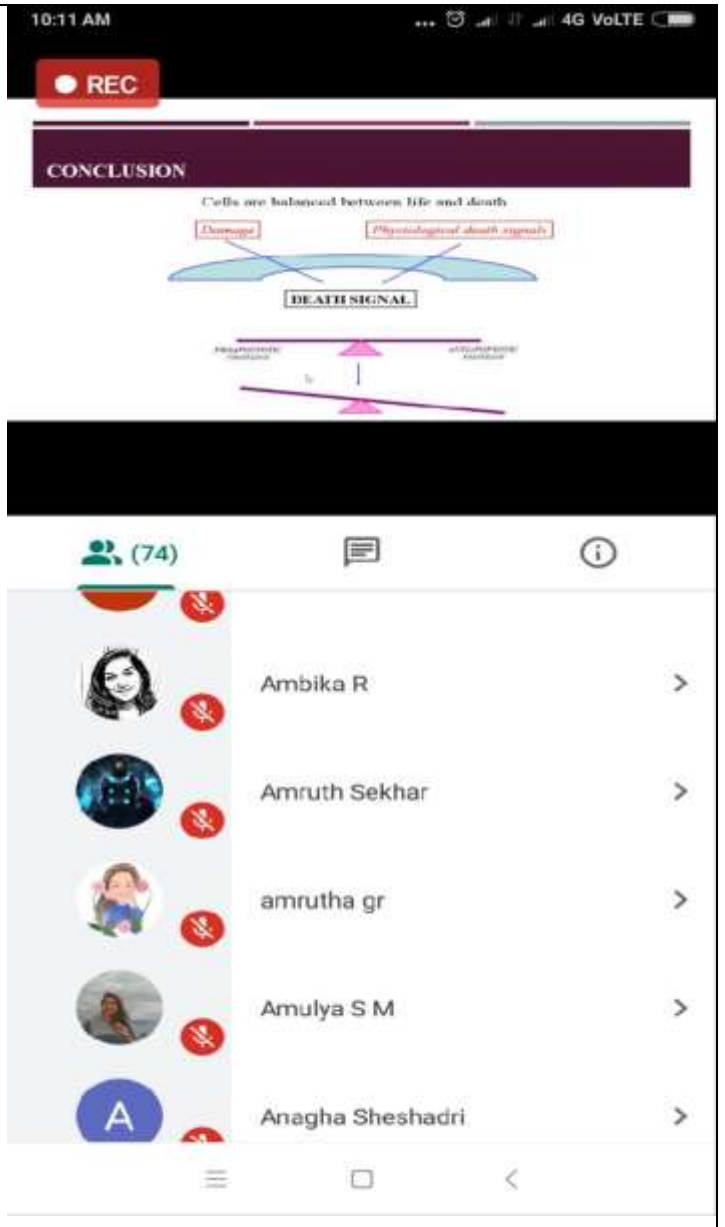
The Aim & objective of the talk is to make understand and provide information regarding -

- Apoptosis as a form of programmed cell death and well-choreographed gene-directed cellular destruction
- Morphological changes that occur like cell shrinkage and pyknosis
- Mechanisms includes Extrinsic signaling pathways- that initiate apoptosis involve transmembrane receptor-mediated interactions and Intrinsic pathway- is mediated by the mitochondria
- Inhibitors of apoptosis: Caspases are subject to transcriptional regulation and post-translational modifications
- Anti apoptotic genes: Bcl-2 and Bcl-XL in mammalian cells
- Apoptosis importance: Role in a variety of biological events, including morphogenesis, homeostatic maintenance of various tissues and removal of harmful cells
- Harmful effect: Dysregulated apoptosis has been implicated in a variety of disease such as cancer

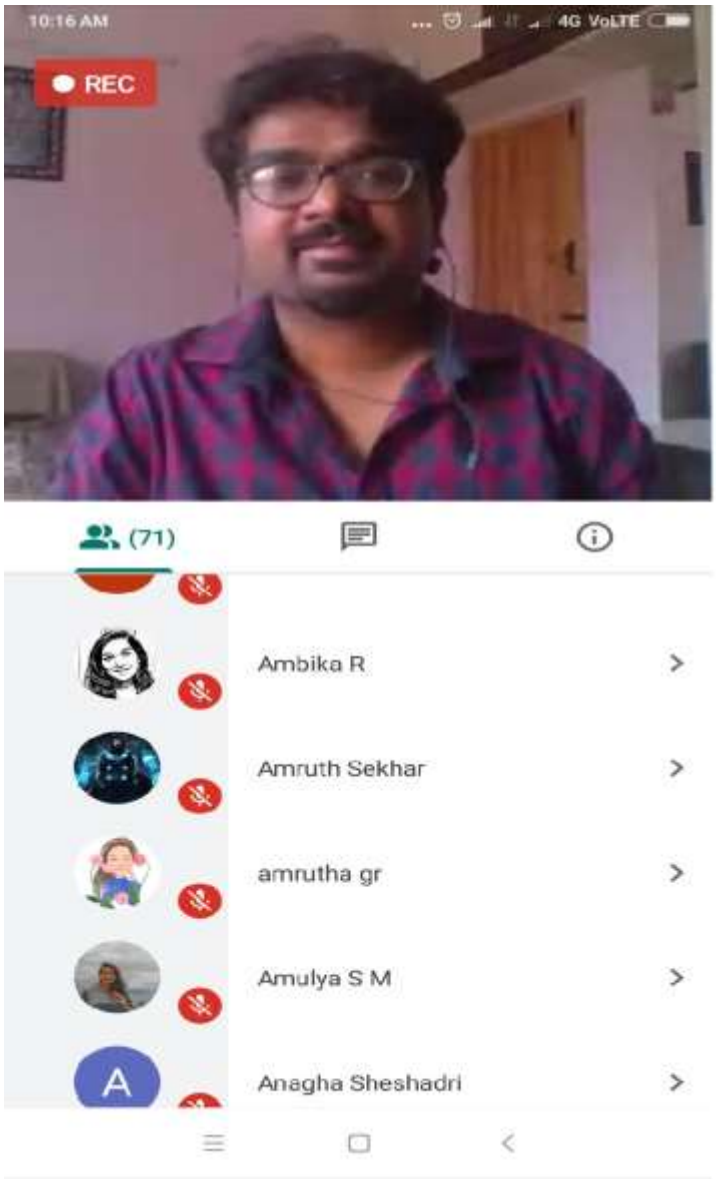
Talk is conducted through Google meeting; it had an interactive session where the queries were answered by the resource persons. About 88 participants attended the talk. It was an enlightening and fruitful session.

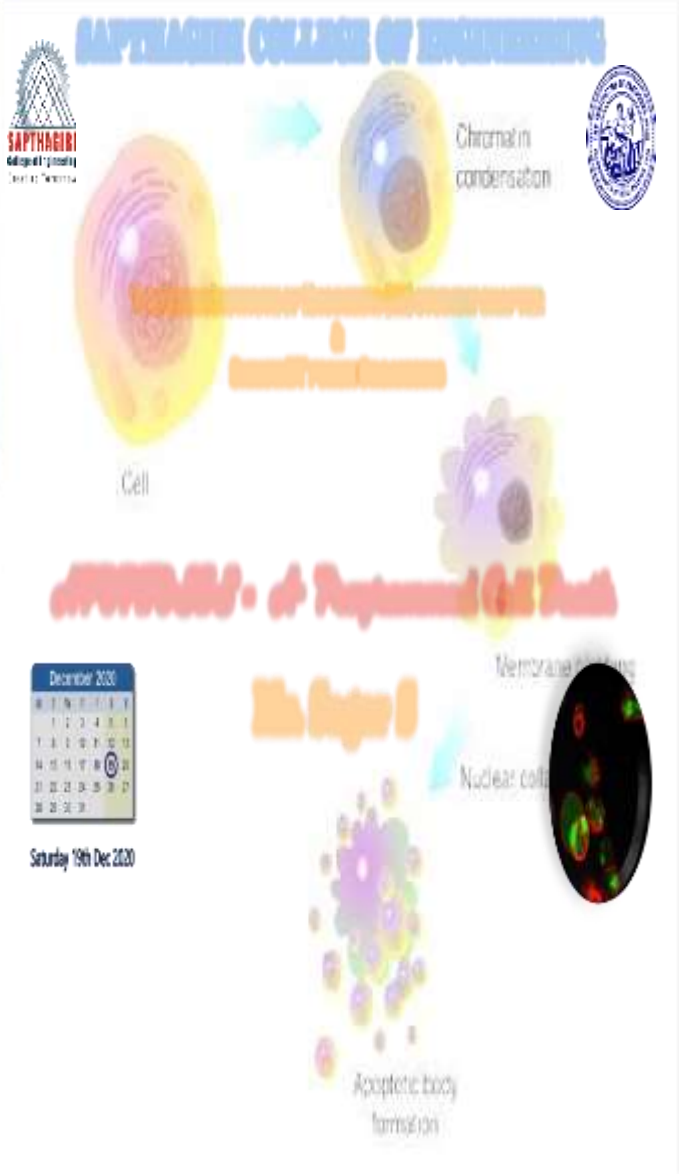
Images:





Slides shared by the Speaker





Date Submission: 22/12/2020 Signature of the HOD