

Sri Srinivasa Educational & Charitable Trust

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057

An ISO 90001:2015 and 14001:2015 Certified Institution

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



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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 posttranslational 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.

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AY: 2020-2021

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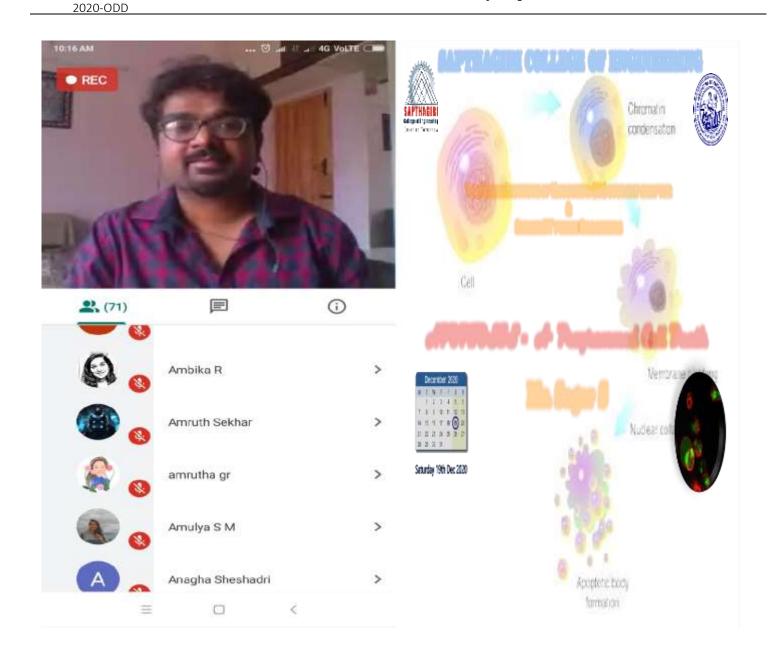
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Date Submission: 22/12/2020

Signature of the HOD

4