



HSNC UNIVERSITY, MUMBAI

Kishinchand Chellaram College

Department of Life Sciences

Organized session on

“Career in Biological Sciences”



An insightful session on “Career in Biological Sciences” on Wednesday, 23rd November 2022 was organized by Department of Life Sciences, K.C. College, HSNC University, in the Rama & Sundri Watumull Auditorium, K.C. College. The deliberation was conducted by Prof. Jeremy Simpson, Principal and Dean, University College of Dublin, Ireland. 95 students from first year, second year and third year undergraduate students from the Department of Biotechnology, Life Sciences and Microbiology along with their faculty attended the august gathering. The main aim of the session was to make the participants aware regarding the career opportunities in the field of Biological Sciences.

Prof. Sagarika Damle, Head of Department of Life Sciences gave the opening remarks by warmly welcoming Prof. Jeremy Simpson, Dr. Anup Kulkarni, Director, IgnitoZealous Pvt.Ltd and the student participants attending the session. Dr. Tejashree Shanbhag, Principal K.C. College gave the Welcome address and emphasized the importance of guidance for the building the roadmap to pursue higher studies and career in Biosciences. Dr. Anup Kulkarni, Director, IgnitoZealous Pvt.Ltd gave the overview of the session by emphasizing the scope of Biological Sciences in the current scenario and need to identify the core area of interest to pursue higher studies. He introduced Prof. Jeremy Simpson and his current research work. He briefed about importance of biological imaging, where imaging of over 10,000 mammalian cells can be possible.

Further Prof. Jeremy Simpson took over the session wherein he discussed his experiences in the field of Biological Sciences. He gave insights on the pharmacological experimentation performed by him and his team. He also mentioned about molecular metabolism, use of florescent proteins to check the movement of drug inside the vessels. He discussed about green fluorescent proteins used for Human Genome mapping and the molecular pathways for cholesterol. With that he also shared the procedure of how the movement of a particular drug is analyzed inside the body and observed using several softwares that aids in visually mapping the structure as well as the functions of these molecules. Prof. Jeremy Simpson explained the mechanism of tracing and analyzing a cancerous cell using a fully automated and robotic system and obtained 30 images of the Cancerous cells. He explained the significance of the tracing tools his team started working on few other disorders and tried to find a cure for. They analyzed molecules like Rab11, Rab6 and Rab33b using the automated software and systems. Prof. Simpson discussed his work on understanding the nature of nano particles and the uptake in the body.

The knowledge coming from someone very adept and experience in the field made the session extremely enriching. The use of an attractive PowerPoint presentation, charts and graphs for illustrating the different methods kept the students engaged and helped them better understand the contents of the session. Prof. Jeremy Simpson addressed all the questions from the students patiently, thus ensuring that their concepts were clarified. Overall, the student participants were enthralled and expressed their desire to engage such insightful and informative sessions in future. The session was closed by the Vote of Thanks delivered by Dr.(Ms.)Aashu Vajpai from Dept of Life Sciences and wrapped with singing the National Anthem.



Prof. Jeremy Simpson delivering his talk on Careers in Biological Sciences to undergraduate students of Dept of Biotechnology, Life Sciences & Microbiology on 23rd November 2022.

Students interacting with Prof. Jeremy Simpson to seek guidance on Careers in Biological Sciences during his session on 23rd November 2022.



GPS Map Camera



Mumbai, Maharashtra, India

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Lat 18.92649°

Long 72.827524°

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