

## Guest lecture on Pharmaceuticals in Environment

The department of Sciences and Humanities conducted a Guest lecture on “Pharmaceuticals in Environment – an overview” on 11<sup>th</sup> September at Sangamam Seminar Hall. Nearly 400 students attended the lecture.

Mr. D. SeshagiriRao manager from M/s SenophySynthelabo India Pvt. Ltd Hyderabad delivered the lecture. He started the lecture with questionnaire on pharmaceuticals through Kahoot app to create the interest among the audience about the topic. He discussed about the three major entry pathways of Active Pharmaceutical Ingredients (APIs) in to the ecosystems and the available options for their control. Many vultures in India are in critically endangered position due to excess accumulation of analgesic diclofenac in their body through food chain. He further said that APIs enter in to the ecosystem from patients, manufacturing units and improper disposable of unused or expired medicines. Mr. Seshagiri also discussed the importance of waste water management techniques adopted by the manufacturing units like reverse osmosis, active sludge process and filtrations. Carrying out Environmental Risk Assessment to understand the effect of APIs on ecosystems will minimize the harmful effects. Dr. N. Srinivasu (HoD, S&H), Ms. Srivani, Dr. V. Srinivasadesikan, Dr. P.V.V.N Kishore, Dr. T. Bharat Kumar and Mr. M. Venkatarao were organized the event.