



Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Biotechnology

A) Summary Report

1) Title of Programme:		Guest Lecture on "Downstream Processing"		
2) Name of Organizing Department/Unit:		Biotechnology		
3) Name of the Coordinator(s)/ Convener(s)/ Organizer(s) of the Programme:		Principal: Dr. M. H. Gavhane Vice- Principal: Dr. A. J. Raju Head: Dr. S. S. Kulkarni		
4) Date(s) of the Programme:		04 th March 2020		
5) Venue/ Mode:		Department of Biotechnology		
6) Target Group:		UG & PG students of Biotechnology		
7) Number of Participants: 124		Male	Female	Total
A separate list with signatures be maintained in the department/Unit)	Students	57	67	124
8) Name(s) and details of Resource Person(s), if any:		Mr. Bhairav Makude Intas pharmaceuticals ltd. Gujarat		
9) Total Expenditure for the Programme:		Nil		
10) Source of Funding:		Not Applicable		

B) Report:

Guest Lecture on "Downstream Processing"

Downstream processing refers to the recovery and the purification of biosynthetic products, particularly pharmaceuticals, from natural sources such as animal or plant tissue or fermentation broth, including the recycling of salvageable components and the proper treatment and disposal of waste. It is an essential step in the manufacture of pharmaceuticals such as antibiotics, hormones (e.g., insulin and humans' growth hormone), antibodies and vaccines; antibodies and enzymes used in diagnostics; industrial enzymes; and natural fragrance and flavor compounds. Downstream processing is usually considered a specialized field in biochemical engineering, itself a specialization within chemical engineering, though many of the key technologies were developed by chemists and biologists for laboratory-scale separation of biological products. To get a experience and importance of Downstream processing Department of Biotechnology organized Guest lecture by **Mr. Bhairav Makude** on the topic "Downstream Processing". He is currently working in Intas pharmaceuticals ltd. Gujarat. Intas is one of the leading multinational pharmaceutical formulation development, manufacturing and marketing companies in the world. Today, Intas is present in more than 85 countries worldwide and is growing at ~20% CAGR. Around 70% of its revenues come from the international markets, particularly the highly regulated markets of EU and US. Sir explained the principle and working of HPLC in detail as this is one of the most important instrumentations used in pharmaceutical industry.

C) Photographs:




Resource person Mr. Bhairav Makude, Intas pharmaceuticals ltd. Gujarat delivering lecture about Downstream Processing organized by department of Biotechnology.

Date: 05/03/2020


**Head
Head**

Department of Biotechnology
Rajarshi Shahu Mahavidyalaya
(Autonomous) Latur-413 531




**Principal
PRINCIPAL**
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)