

**02.00
PM**

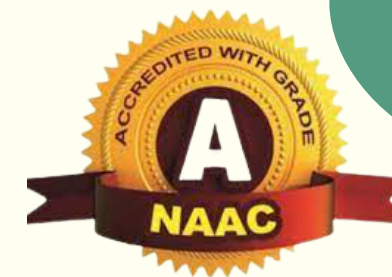
**MARCH
09 to 25**



SATHYABAMA

INSITITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)



ACCREDITED "A" GRADE BY NAAC /12B STATUS BY UGC/ APPROVED BY AICTE

**SCHOOL OF BIO AND CHEMICAL ENGINEERING
DEPARTMENT OF BIOTECHNOLOGY**

**VALUE ADDED COURSE
ON**

MOLECULAR DOCKING AND ANALYSIS OF MOLECULAR INTERACTION

CHIEF PATRONS

DR. MARIAZEENA JOHNSON, CHANCELLOR

DR. MARIE JOHNSON, PRESIDENT

MR. J . ARUL SELVAN, VICE PRESIDENT

MS. MARIA BERNADETTE TAMILARASI, VICE PRESIDENT

CONVENOR

DR.RAMESH KUMAR V

HOD

DEPT OF BIOTECHNOLOGY

PATRONS

DR. T. SASIPRABA, VICE CHANCELLOR

DR. E. LOGASHANMUGAM, PRO VICE CHANCELLOR

DR.S.S. RAO , REGISTRAR

DR.G. SUNDARI, DIRECTOR ADMINISTRATION

FACULTY CO-ORDINATOR

DR. R.P OVIYA (ASSISTANT PROFESSOR)

DR.L. INBATHAMIZH (ASSISTANT PROFESSOR)

DR. PRAKASH P (ASSISTANT PROFESSOR)

DR. JAYASHREE (ASSISTANT PROFESSOR)



CERTIFICATE WILL BE PROVIDED TO ALL

Registration Link:<https://forms.gle/25kntGqdPbJdj44P9>

Registration fees: Rs.100

SATHYABAMA

INSITITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

ACCREDITED "A" GRADE BY NAAC /12B STATUS BY UGC/ APPROVED BY AICTE

SCHOOL OF BIO AND CHEMICAL ENGINEERING
DEPARTMENT OF BIOTECHNOLOGY

VALUE ADDED COURSE

OBJECTIVES

This VALUE ADDED COURSE teaches students about MOLECULAR DOCKING AND ANALYSIS OF MOLECULAR INTERACTION

COURSE CONTENT

#1	INTRODUCTION TO BIOINFORMATICS	2hr
#2	WHY DO WE COMPARE BIOLOGICAL SEQUENCES	3hr
#3	BIOLOGICAL DATABASE AND HOW TO SEARCH THEM	3hr
#4	DOCKING -BASICS	6hr
#5	VISUALIZATION OF LIGAND RECEPTOR INTERACTION	8hr
#6	PROTEIN INTERACTION ANALYSIS-PROTEIN INTERACTOME CONSTRUCTION	8hr

OUTCOME

- To learn various tools for in silico analysis of DNA and Proteins
- To learn analysis of molecular interactions using in silico tools and to identify new Drug-Target interactions



SATHYABAMA

INSITITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

ACCREDITED "A" GRADE BY NAAC /12B STATUS BY UGC/ APPROVED BY AICTE

X
SCHOOL OF BIO AND CHEMICAL ENGINEERING

X
DEPARTMENT OF BIOTECHNOLOGY



VALUE ADDED COURSE



MODULE	COURSE CONTENT	COURSE COORDINATOR
1 & 2	INTRODUCTION TO BIOINFORMATICS WHY DO WE COMPARE BIOLOGICAL SEQUENCES	DR. JAYASHREE
3	BIOLOGICAL DATABASE AND HOW TO SEARCH THEM	DR.L.INBATHAMIZH
4	DOCKING- BASICS	DR.PRAKASH.P
5 & 6	VISUALIZATION OF LIGAND-RECEPTOR INTERACTION PROTEIN INTERACTION ANALYSIS -PROTEIN INTERACTOME CONSTRUCTION	DR.R.P.OVIYA

SATHYABAMA

INSITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

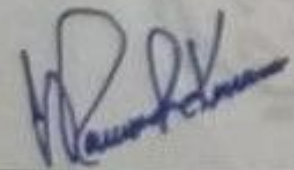
ACCREDITED "A" GRADE BY NAAC /12B STATUS BY UGC/ APPROVED BY AICTE

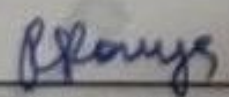


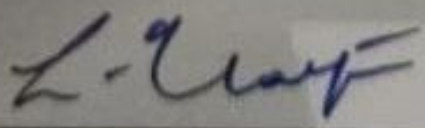
SCHOOL OF BIO AND CHEMICAL ENGINEERING
DEPARTMENT OF BIOTECHNOLOGY

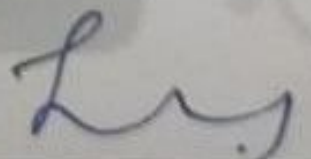
CERTIFICATE OF PARTICIPATION

This is to Certify that Mr./Ms JAYAMBANA P of II/III year
B.Tech Biotechnology, SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY has
successfully completed 30 hours **VALUE ADDED COURSE** On **MOLECULAR DOCKING AND
ANALYSIS OF MOLECULAR INTERACTION** organized by The Department of Biotechnology,
Sathyabama Institute of Science and Technology from 09/03/2022 TO 25/03/2022.


Dr. RAMESH KUMAR V


Dr. R.P OVIYA


Dr. L. INBATHAMIZH


Dr. S. JAYASHREE