

As part of Sri Sathya Sai Centenary Celebrations



SRI SATHYA SAI INSTITUTE OF HIGHER LEARNING

(DEEMED TO BE UNIVERSITY)

Presents

A Six Day In-Person

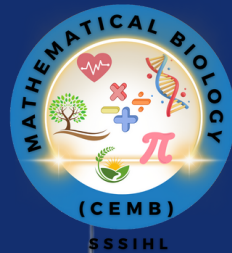
**NATIONAL WINTER SCHOOL FOR WOMEN IN
AI/ML AND COMPUTATIONAL BIOLOGY-2024
(NWSW-2024)**

2 – 7 DECEMBER, 2024

An Initiative of the

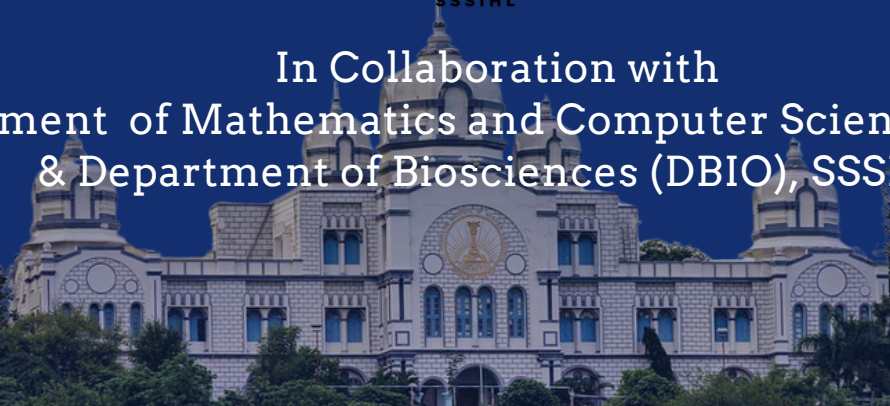
Centre for Excellence in Mathematical Biology (CEMB)

CENTRE FOR EXCELLENCE



In Collaboration with

Department of Mathematics and Computer Science (DMACS)
& Department of Biosciences (DBIO), SSSIHL

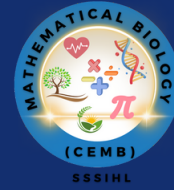




NWSW-2024

Day 1

CENTRE FOR EXCELLENCE

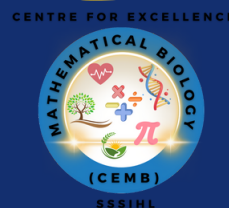


09:06 AM	Inaugural Session Vedam Chanting, Ceremonial Lighting of the lamp
09:15 AM	Setting the Stage by Dr. N.B.Gayathri, DMACS-SSSIHL
09:20 AM	Welcome Address by Dr. D.K.K. Vamsi , CEMB-SSSIHL
09:30 AM	Women @ SSSIHL - A Talk by Dr. U. Suma Rao, DMC, SSSIHL
09:45 AM	Inaugural Address by Prof. Pallav Kumar Baruah, Dean of Sciences, SSSIHL
10:05 AM	Photo Session
10:20 AM	Refreshments
10:40 AM	Dr. N.B. Gayathri, DMACS-SSSIHL Basics in Differential Calculus and ODE
11:40 AM	Dr. Ramya E. M., DBIO-SSSIHL Basics in Biological Systems
12:40 PM	Lunch
02:00 PM	Dr. Y. Lakshmi Naidu & Dr. N.B. Gayathri, DMACS-SSSIHL Hands-on in basics of Python
04:00 PM	Refreshments (Day Ends)



NWSW-2024

Day 2



09:15 AM

Dr. D. K. K. Vamsi, CEMB-SSSIHL
Introduction to Basic Disease Modeling

10:30 AM

Tea Break

10:45 AM

Dr. D. K. K. Vamsi, CEMB-SSSIHL
Introduction to Advanced Disease Modeling

12:00 PM

Lunch

02:00 PM

Dr. D. K. K. Vamsi, CEMB-SSSIHL
Hands-on in Disease Modeling

04:00 PM

Refreshments (Day Ends)

Day 3

09:15 AM

**Mrs. Divya Sai J, AI Data Scientist,
Shell Technology Centre, Bangalore**
Introduction to AI/ML

10:30 AM

Refreshments

10:45 AM

**Mrs. Divya Sai J, AI Data Scientist,
Shell Technology Centre, Bangalore**
Linear Methods in ML

12:00 PM

Lunch

02:00 PM

**Mrs. Divya Sai J, AI Data Scientist,
Shell Technology Centre, Bangalore**
Hands-on in AI/ML

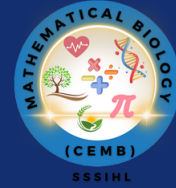
04:00 PM

Refreshments (Day Ends)



NWSW-2024

CENTRE FOR EXCELLENCE



Day 4

09:15 AM

Dr. M. S. Srinath, DMACS-SSSIHL
Nonlinear Methods in ML

10:30 AM

Refreshments

10:45 AM

Dr. M. S. Srinath, DMACS-SSSIHL
Unsupervised Learning in ML

12:00 PM

Lunch

02:00 PM

Dr. M. S. Srinath, DMACS-SSSIHL
Hands-on in Non-Linear methods in ML and
Unsupervised Learning

04:00 PM

Refreshments (Day Ends)

Day 5

09:15 AM

Prof. B. V. Rathish Kumar, IIT Kanpur
Introduction to DL

10:30 AM

Refreshments

10:45 AM

Prof. B. V. Rathish Kumar, IIT Kanpur
Introduction to DL

12:00 PM

Lunch (Session Ends)

02:00 PM

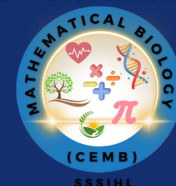
Local Excursion



NWSW-2024

Day 6

CENTRE FOR EXCELLENCE



09:15 AM

Dr. K. N. Naresh, DBIO-SSSIHL

Introduction to Bioinformatics and the use of different Online Resources

10:30 AM

Refreshments

10:45 AM

Dr. K. N. Naresh, DBIO-SSSIHL

Introduction to Bioinformatics and the use of different Online Resources

12:00 PM

Lunch

02:00 PM

**Dr. K. N. Naresh, DBIO-SSSIHL &
Dr. Deepak Roshan VG, Malabar Cancer Centre
Thalessery, Kerala**

Hands-on in Bioinformatics with some Case Studies

04:00 PM

Refreshments

04:15 PM

Valedictory Session

Certificate Distribution,
Feedback, Vote of Thanks,
Mangala Arathi

End of NWSW-2024