



A Six Day In-Person

National Winter School for Women in AI/ML and Computational Biology-2024

(NWSW-2024)

2 – 7 December, 2024

RULES AND REGULATIONS

- Last Date for Registration is November 10th, 2024
- Duration of this Winter School is for 6 days
- Attendance is mandatory for all sessions for obtaining the NWSW-2024 completion certificate
- Getting a Laptop is a must for attending the Hands on Sessions of NWSW-2024
- Stable Internet connection and charging points will be provided at the Venue.

NWSW-2024 Schedule

Date	Lecture 1 – Theory from 9.15 am to 10.30 am	Lecture 2 – Theory from 10.45 am to 12.00 am	Hands-on Sessions From 2 pm to 4 pm
December 2 nd	Inaugural Session	Topic: Basics in Differential Calculus and ODE By: NBG	From 2pm to 3 pm Topic: Basics in Biological Systems By: REM From 3pm to 4 pm Hands-on in basics of Python By: YLN & NBG
December 3 rd	Topic: Introduction to Basic Disease Modeling By: DKKV	Topic: Introduction to Advanced Disease Modeling By: DKKV	Topic: Hands on in Disease Modeling By: DKKV



December 4th	Topic: Introduction to AI/ML By: DSJ	Topic: Linear Methods in ML By: DSJ	Topic: Hands-on in AI/ML By: DSJ & NBG
December 5th	Topic: Nonlinear Methods in ML By: MSS	Topic: Unsupervised Learning in ML By: MSS	Topic: Hands-on in Non-Linear methods in ML and Unsupervised Learning By: MSS
December 6th	Topic: Introduction to DL By: BVRK	Topic: Introduction to DL By: BVRK	Local Excursion
December 7th	Topic: Introduction to Bioinformatics and the use of different Online Resources By: KNN	Topic: Introduction to Bioinformatics and the use of different Online Resources By: KNN	Topic: Hands-on in Bioinformatics with some Case Studies By: KNN & REM

Resource Persons:

- 1) Prof. B. V. Rathish Kumar, IIT Kanpur (BVRK)
- 2) Dr. Mrs. Divya Sai J, AI Data Scientist, Shell Technology Centre, Bangalore (DSJ)
- 3) Dr. D. K. K. Vamsi, CEMB-SSSIHL (DKKV)
- 4) Dr. M. S. Srinath, DMACS-SSSIHL (MSS)
- 5) Dr. Y. Lakshmi Naidu, DMACS-SSSIHL (YLN)
- 6) Dr. N. B. Gayathri, DMACS-SSSIHL (NBG)
- 7) Dr. K. N. Naresh, DBIO-SSSIHL (KNN)
- 8) Dr. Ramya E. M., DBIO-SSSIHL (REM)