REPORT ON TWO DAYS WORKSHOP ON SCOPE OF BOTANY BEYOND PHYLOGENY CHARACTERIZATION TO APPLICATION ORIENTED RESEARCH.

A two day workshop was organized by Department of Botany , Centre of Excellence G.C Sanjauli in collaboration with Wet lab championship & E-cell (IIT Bombay Event) on **SCOPE OF BOTANY BEYOND PHYLOGENY CHARACTERIZATION TO APPLICATION ORIENTED RESEARCH on 4TH &5TH March 2020.**
The resource person for the workshop was Dr Tanuj Sharma, Extramural Research Scientist PRTF, Greater Noida. The resource person was welcomed by Prof Deepti Gupta H.O.D Department of Botany.

Dr Tanuj elucidated the concept of Bioinformatics and stressed the role of programmes like **BLAST, PDB, SMP and SWISPROT** in the field of Botanical Sciences. A total of 27 students of B.SC First, Second and Third year participated in the workshop. The students were instructed to bring their Laptops and hands on training was provided to the students on programming and its importance in Botanical sciences. In the end a test was conducted to judge the knowledge gained by the students. The toppers and the student participants were felicitated by the Principal of the college Dr C.B Mehta by certificates. Vote of thanks was presented by Tamana Papta of B.SC Second year. Feed back of the workshop was given by Diksha of B.SC First year.

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IIT-Bombay Event
National Level Competition For Bio-Science Students
Association with E-Cell (IIT Bombay Event)
Centre of Excellence, Government Degree College, Sanjauli (H.P.)
Organizing Two Days Workshop on
" Scope of Botany, beyond the Phylogeny characterization to Application oriented research. "
Date : 4th & 5th March 2020
When ?
Venue ?
Centre of Excellence, Government Degree College, Sanjauli (H.P.)
Rs. 1500/- Per Student
Fees ?
Whom ?
Undergraduate & Post Graduate Students
Industry Experts as Trainers.
All Participants will get Participation Certificate
Competition to be conducted at the end of the workshop on the second day to select top 3 students.
Three Selected students will be participating in Finale Round at IIT Campus.
Internship assistance for all participants.
Finale
IIT Bombay
Head, Department of Botany : Dr. Deepti Gupta (9418963037)
Student Coordiantors : Ms. Pranjal
Ms. Nikita Verma
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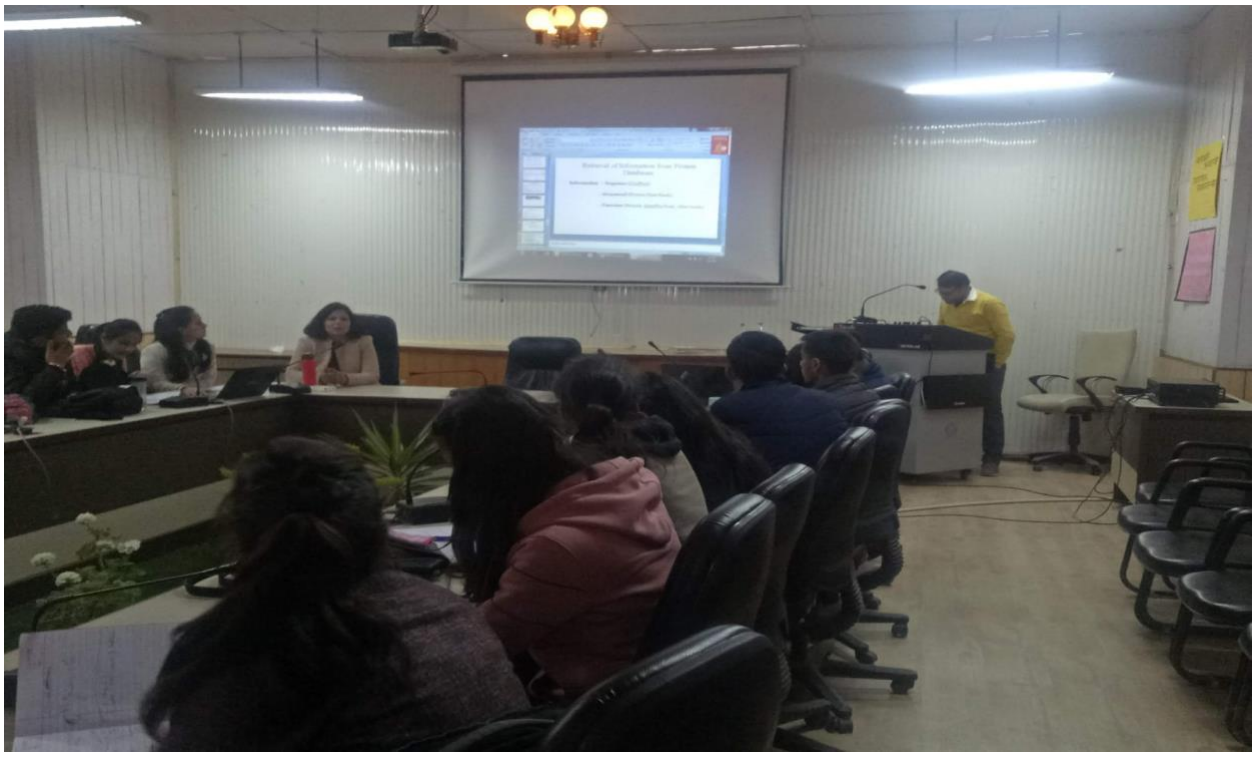

Bioinformatics and its application in Botany with Special emphasis on Sequence Analysis, Protein Structure Prediction and Molecular Docking

Day 1

Module	Sessions	Time (Min)
Introduction	Introduction to Bioinformatics	30
	Application in context to Botany	15
Sequence Analysis	Introduction to Databases	45
	Nucleic Acid Databases	30
	Retrieval of Information from Nucleic Acid Databases	30
	Protein Databases	60
	Retrieval of Information from Protein Databases	45
Team activity	Skill Development for data retrieval	45
Sequence Analysis	Annotation of Nucleic Acid Sequences	45
	Annotation of Protein Sequences	30
	Phylogenetic Analysis	30

Day 2

Module	Sessions	Time (Min)
Recap & Assignment	Review of Previous Day	30
Protein Structure Prediction	Protein Structure Prediction and its Application.	90
	And Practical using Free Softwares	90
Molecular Docking	Molecular Docking and its Applications	90
	Practical Using Free Softwares	90
	Workshop Wrap-Up	30

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Wetlab Championship

In association partners with E-Cell IIT Bombay

Certificate of Excellence

Presented To

Centre of Excellence, Government Degree College, Sanjauli (H.P.)

We are pleased to appreciate your outstanding contribution in coordinating & conducting the Zonal Center Program on **Scope of Botany, Beyond the Phylogeny Characterization to Application Oriented Research** by Wetlab Championship at E-Cell IIT Bombay Event on **4th & 5th March 2020**

Hardeep Singh Puri
Director
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