

**Name of the Department: BIOINFORMATICS**

**1. WORKSHOPS, SEMINARS, CONFERENCES, SYMPOSIUMS, HANDS ON TRAININGS ORGANISED BY THE DEPARTMENT**

<b>S. No</b>	<b>DATE</b>	<b>TOPIC</b>	<b>RESOURCE PERSON</b>	<b>EVENT</b>
1	22.01.20	Contemporary innovative developments in applied biology	Dr. P. Vasantharaj, Research officer, Sri Ramakrishna hospital, Coimbatore Dr. Gopinath Krishnaswamy, University of Turku, Finland. Dr.Sivakumar, Max Planck Institute, Germany. Dr. Dhamayanthi, Illumina, UK.	International e-Conference
2	28.05.20	Biomolecular Visualization Tools	Dr. Saravanan Vijayakumar Scientist B, ICMR-Rajendra Memorial Research Institute of Medical Sciences, Patna, Bihar	Webinar (Online Workshop)

**2. BEST PRACTICES OF THE DEPARTMENT**

<b>SL. No.</b>	<b>DATE</b>	<b>DEPT</b>	<b>ACTIVITY</b>
1	13.12.19	Bioinformatics	SCIENTIFIC EVENT DISCUSSION
2	20.12.19		
3	08.01.20		
4	10.01.20		
5	22.01.20		
6	29.01.20		
7	05.02.20		
8	07.02.20		
9	12.02.20		
10	21.02.20		
11	13.12.19	Bioinformatics	TOOLS DEMONSTRATION
12	20.12.19		

13	08.01.20		
14	10.01.20		
15	22.01.20		
16	29.01.20		
17	05.02.20		
18	07.02.20		
19	12.02.20		
20	21.02.20		

### 3. ACTIVITIES RELATED TO FACULTY MEMBERS

#### 3.1 PARTICIPATION OF THE FACULTY IN SEMINARS, CONFERENCES & WORKSHOPS

S. No	Date	Name of the faculty	Title of the Seminar Conference Workshop etc	Organizing Committee & Venue
1.	19.08.19	Dr. S. Sivashankari	Emerging Technologies that transform Life Sciences	Department of Zoology, Nirmala college for women, Cbe
2.	19.08.19	P.J. Buvaneshwari	Emerging Technologies that transform Life Sciences	Department of Zoology, Nirmala college for women, Cbe
3.	27.09.19	Dr. S. Sivashankari	Current Scenario in Plant Science	Department of Botany, Nirmala college for women, Cbe
4.	27.09.19	P.J. Buvaneshwari	Current Scenario in Plant Science	Department of Botany, Nirmala college for women, Cbe
5.	09.10.20 & 10.10.20	Dr. S. Sivashankari	Quality Sustenance and enhancement	IQAC , Nirmala college for women, Cbe

#### 3.2 PUBLICATION BY THE FACULTY IN JOURNALS

S. No	Year	Name of the faculty	Topic	Name of the Journal	Vol No, Issue No, Pg	Impact factor	Indexing Details
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					<b>No with ISSN</b>		
1.		Dr. S. Sivashankari	Oreochromis niloticus- a biomonitoring tool for assessment of trace metals of Theroor wetland, Kanniyakumari district, India	International Journal of Engineering Development and Research	Volume 7, Issue 3, 619-625	-	-
2.		Dr. S. Sivashankari	Impact Of Heavy Metals On The Tissues Of Fresh Water Fish Oreochromis Niloticus – A Systematic Approach	Journal of Emerging Technologies and Innovative Research	Volume 6, Issue 6, 734-747.	-	-

### 3.3 PAPER PRESENTATION BY THE FACULTY

S No	Date	Name of the faculty	Topic	Category	Organizing Committee
1.	09.01.20 & 10.01.20.	Dr. S. Sivashankari	Quality Sustenance and enhancement		IQAC , Nirmala college for women on 9 <sup>th</sup> and 10 <sup>th</sup> January 2020.

### 3.4 OTHER ACADEMIC CONTRIBUTIONS – FACULTY

S. No	Date	Name of the Faculty	Nature of Work	Institution
1	30.08.19	Dr. S. Sivashankari	Guest lecture	PG and research scholars of Department of Chemistry, Nirmala College for Women
2	31.08.19	Dr. S. Sivashankari	One-day Hands on Training	PSGR Krishnammal College for women, Coimbatore
3	12.10.19	Dr. S. Sivashankari	Guest lecture	Anna University, Coimbatore
4	22.10.19	Dr. S. Sivashankari	Guest Lecture	Anna University, Coimbatore

5	25.10.19	Dr. S. Sivashankari	One-day Hands on Training	Anna University, Coimbatore
6	07.12.19	Dr. S. Sivashankari & Mrs. P.J. Buvaneshwari	Hands-on training in	Department of Botany, Nirmala College for women
7	20.02.20	Dr. S. Sivashankari	Guest lecture	Department of Computer Science, Nirmala College for women
8	06.03.20	Dr. S. Sivashankari	Resource Person- CSIR Sponsored Hands-on Training	Department of Mathematics, Sri Krishna Arts and Science College, Coimbatore
9	20.05.20	Dr. S. Sivashankari	Resource Person- Webinar	Department of Bioinformatics, Tamil Nadu Agricultural University, Coimbatore
10	01.06.20	Dr. S. Sivashankari	Resource Person- Webinar	Department of Botany, Auxilium College, Vellore

#### 4. DETAILS RELATED TO STUDENTS

##### 4.1 STUDENT'S PARTICIPATION IN SEMINARS/CONFERENCES/WORKSHOPS

S. No	Date	Name of student	Topic	Name of Conferences/Seminars /Workshops/Training and Organizing Committee	National/ International
1	27.09.19	Jisna. N	Current Scenario in Plant Sciences	Video conference by Department of Botany, Nirmala college for women, cbe	International
2		Mariet George			
3		Shabiha Nasrin . N			
4		Anto heaven deena blessy. E			
5		Pavithra. A. B			
6		Saranya. S			
7		Aiswaryalakshmi			
8		Anupama Johny			
9		Bobbie sherilyn. F			
10		Sujitha. C			
11		Jisna. N			

12	16.09.19	Mariet George	Drug Designing and Molecular Docking	Workshop by Department of Zoology, Nirmala college for women, Cbe	National
13		Shabiha Nasrin . N			
14	07.12.19	Jisna. N	Basics of Molecular Biology	Hands-on training by Department of Botany, Nirmala college for women, Cbe	Institution level
15		Mariet George			
16		Shabiha Nasrin . N			
17		Anto heaven deena blessy. E			
18		Pavithra. A. B			
19		Saranya. S			
20		Aiswaryalakshmi			
21		Anupama Johny			
22		Bobbie sherilyn. F			
23		Sujitha. C			
24	11.01.20	Jisna. N	Exploration of Research Innovation: Its trends and challenges	One day Symposium by Department of Library, Nirmala college for women, Cbe	National
25		Mariet George			
26		Shabiha Nasrin . N			
27		Anto heaven deena blessy. E			
28		Pavithra. A. B			
29		Saranya. S			
30		Aiswaryalakshmi			
31		Anupama Johny			
32		Bobbie sherilyn. F			
33		Sujitha. C			
34	22.01.20	Jisna. N	Contemporar y Innovative Development s in Applied Biology	One day e-Conference by Department of Bioinformatics, Nirmala college for women, Cbe	International
35		Mariet George			
36		Shabiha Nasrin . N			

37		Anto heaven deena blessy. E			
38		Pavithra. A. B			
39		Saranya. S			
40		Aiswaryalakshmi			
41		Anupama Johny			
42		Bobbie sherilyn. F			
43		Sujitha. C			
44	05.02.02 & 06.02.20	Jisna. N	Computing platforms for biological big data analytics	Seminar by Department of Information Technology & Department of Microbiology, Dr. N.G.P. Arts and Science College, Cbe	National
45		Mariet George			
46		Shabiha Nasrin . N			
47		Anto heaven deena blessy. E			
48		Pavithra. A. B			
49		Saranya. S			
50		Aiswaryalakshmi			
51		Anupama Johny			
52		Bobbie sherilyn. F			
53		Sujitha. C			
54	10.02.20	Jisna. N	Microbial Technology and Phytochemistry	One day Seminar by Department of Zoology, Nirmala college for women, Cbe	National
55		Mariet George			
56		Shabiha Nasrin . N			
57		Anto heaven deena blessy. E			
58		Pavithra. A. B			
59		Saranya. S			
61		Aiswaryalakshmi			
62		Anupama Johny			
63	Bobbie sherilyn. F				

64		Sujitha. C			
65	12.02.20	Jisna. N	Training and project awareness programme - MANAV	Training program, Nirmala college for women, Cbe	Institution level
66		Mariet George			
67		Shabiha Nasrin . N			
68		Anto heaven deena blessy. E			
69		Pavithra. A. B			
70		Saranya. S			
71		Aiswaryalakshmi			
72		Anupama Johny			
73		Bobbie sherilyn. F			
74		Sujitha. C			

#### 4.2 STUDENT PRESENTATION IN SEMINARS AND CONFERENCES

S. No	Date	Name of student	Topic	Seminar/ Conference/	Organized by
1.	05.02.02 & 06.02.20	Jisna. N	Epitope Feature Prediction in Pathogenic Bacteria	National level Seminar	Department of Information Technology & Department of Microbiology, Dr. N.G.P. Arts and Science College, Cbe
2.		Mariet Geroge	In silico approaches towards Mirtron identification of <i>calotropis gigabtea.</i> (Linn)		
3.		Shabiha Nasrin. N	Machine Learning Approaches for the Prediction of Cholesterol Absorption Inhibition		

#### 4.3 STUDENTS WHO RECEIVED PRIZES IN PAPER/POSTER PRESENTATION

S.No	DATE	Name	Title of the paper	Conference	Organizing Committee
1.	06.02.20	Shabiha Nasrin. N	Machine learning approaches for the prediction of	National level Seminar	Department of Information Technology &

			cholesterol absorption inhibition		Department of Microbiology, Dr. N.G.P. Arts and Science College, Cbe
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**4.4 STUDENTS' PARTICIPATION IN CULTURAL/EXTRA CURRICULAR  
ACTIVITIES AND PRIZES**

<b>S. No</b>	<b>Date</b>	<b>Name</b>	<b>Event</b>	<b>Participation/ Prize</b>	<b>Organizing Committee</b>
1.	22.02.20	Shabiha Nasrin. N	Fancy dress competition	Participated and Won first prize	Department of Physical Education, Nirmala college for women, Cbe

**EXTENSION ACTIVITIES**

**5. OTHER EXTENSION ACTIVITIES OF THE DEPARTMENT**

<b>S. No.</b>	<b>DATE</b>	<b>ACTIVITY</b>	<b>PLACE</b>	<b>NO. OF BENEFICIARIES</b>
1.	31.08.19	Training on Mushroom cultivation and preparation of herbal face pack and hair oil.	Kangeyampalayam village	20