

**B. K. BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS),
KALYAN**

CERTIFICATE COURSE





B. K. Birla College (Autonomous), Kalyan

Affiliated to University of Mumbai
'College of Excellence' Status by UGC
Reaccredited by NAAC (3rd Cycle) with 'A' Grade
(CGPA-3.58)



Department of Biotechnology Organises Certificate course in 'Bioinformatics'

Starting from 17th January, 2022
Duration : 30 hours (02 credit points)

Contact

Dr. Annika Gupta: annika.gupta@bkbirlacollegekalyan.com
Dr. Minal Trivedi: minal.trivedi@bkbirlacollegekalyan.com

Course Fee: Rs.500/-

Registration Link:

<https://forms.office.com/r/eE8wEgeP9k>

Syllabus for Certificate Course in Bioinformatics

Credits :02

Course Outcome:

- To understand different databases for data retrieval
- Learn the use of different software's for molecular structure modelling
- Develop interest in phylogenetic and evolutionary studies
- To learn use of bioinformatics tool for application in different fields

Sr. No.	Topic	Lecture
1.	Introduction to computers: Basic Concept of Computer Organization, Internet, File Transfer Protocol, Browser, Home Page, Hyper text transfer protocol, Uniform Resource Locator, Hyperlink and Web Applications.	3L
2.	Database types: Raw and Processed Databases; Primary (NCBI), Secondary (PIR) and Tertiary or Composite (KEGG) Databases; Structure and Sequence Databases. Specialized Databases - Protein Pattern Databases; Protein Structure and Classification Databases	12L
3.	Genome Information Resources: DNA Sequence Databases Specialized Genomic Resources. Genome projects.	4L
4.	Pairwise alignments Dot Plots, global and local alignments. BLAST and its types. Multiple sequence alignments & Phylogenetic trees.	6L
5.	Applications of Bioinformatics	5L

Department of Biotechnology
Certificate Course in 'Bioinformatics'
2022-2023

List of Students for Certificate Course in 'Bioinformatics'					
S.NO.	Name	Student id	Subject	Class	Contact No.
1	Aambokar Krishna Ganesh	3836991	Biotechnology	F.Y.B.Sc.	9322868783
2	Anagha Sudhakar Musale	3901437	Biotechnology	F.Y.B.Sc.	9870548461
3	Ansari Adeeba shamshad Alam	4041632	Biotechnology	F.Y.B.Sc.	8010919763
4	Anuj Singha	3910643	Biotechnology	F.Y.B.Sc.	8668606669
5	Armaan Singh Panesar	3955158	Biotechnology	F.Y.B.Sc.	7304473766
6	Ashnaa Muntazeem Ansari	3833267	Biotechnology	F.Y.B.Sc.	9834336369
7	Asma Shaikh	3867678	Biotechnology	F.Y.B.Sc.	9321531767
8	Chinmayi Susant Swain	3837874	Biotechnology	F.Y.B.Sc.	8237940164
9	Hattim Mohammad	4041628	Biotechnology	F.Y.B.Sc.	9822164969
10	Kajal Singh	3833266	Biotechnology	F.Y.B.Sc.	8459098339
11	Karan raghuraj Gautam	4041629	Biotechnology	F.Y.B.Sc.	9326258113
12	Karan Valvi		Biotechnology	F.Y.B.Sc.	
13	Kiran Rambali Gupta	386790	Biotechnology	F.Y.B.Sc.	9975789070
14	Kunal Khandagale	3938092	Biotechnology	F.Y.B.Sc.	8108323996
15	Majumdar Riya Sanjib	3867705	Biotechnology	F.Y.B.Sc.	9321766141
16	Mansi Katkade	4049527	Biotechnology	F.Y.B.Sc.	8454909730
17	Mihir Nitin Merai	3867684	Biotechnology	F.Y.B.Sc.	7021309805
18	Nupur Hiwale	3929209	Biotechnology	F.Y.B.Sc.	9324665936
19	Pradnya Sandeep Salve	3900920	Biotechnology	F.Y.B.Sc.	7767888560
20	Prajakta Ardekar	3836994	Biotechnology	F.Y.B.Sc.	8928290335
21	Pratik Kiran Garud	3904604	Biotechnology	F.Y.B.Sc.	9820955022
22	Rasika Govind Jadhav	4041630	Biotechnology	F.Y.B.Sc.	7304675671
23	Ritika Rajinder Jaiswar	3900919	Biotechnology	F.Y.B.Sc.	7718875625
24	Riya Shinde	-	Biotechnology	F.Y.B.Sc.	9152257341
25	Ruchita Sachin Deshpande	3904603	Biotechnology	F.Y.B.Sc.	8454974154
26	SAGAR SURYANARAYAN SAHU	3867665	Biotechnology	F.Y.B.Sc.	7666010342
27	Sakshi Kanse	3937016	Biotechnology	F.Y.B.Sc.	9324133771
28	Sanvi Aniruddha Kulkarni	3867691	Biotechnology	F.Y.B.Sc.	9321783226
29	Shravani Lad	3837887	Biotechnology	F.Y.B.Sc.	8454803935
30	Shravani shirish Vibhute	3867679	Biotechnology	F.Y.B.Sc.	9136345658
31	Shravni Sudhir Padval	38359	Biotechnology	T.Y.B.Sc.	7066669468
32	Shweta Tiwari	3835375	Biotechnology	F.Y.B.Sc.	-
33	Sneha.Manoj Patil	3993446	Biotechnology	F.Y.B.Sc.	-
34	Suhani Dhananjay Ghangale	-	Biotechnology	F.Y.B.Sc.	7208612680
35	Vaishnavi vijay Gode	-	Biotechnology	F.Y.B.Sc.	9682623081

Department of Biotechnology

Certificate Course in Bioinformatics (2022-23)

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16	Mansi Katkade	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
17	Mihir Merai	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
18	Nupur Hiwale	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
19	Pradnya Salve	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
20	Prajakta Ardekar	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35				
21	Pratik Garud	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35					
22	Rasika Jadhav	22	23	24	25	26	27	28	29	30	31	32	33	34	35						
23	Ritika Jaiswar	23	24	25	26	27	28	29	30	31	32	33	34	35							
24	Riya Shinde	24	25	26	27	28	29	30	31	32	33	34	35								
25	Ruchita Deshpande	25	26	27	28	29	30	31	32	33	34	35									
26	Sagar Sahu	26	27	28	29	30	31	32	33	34	35										
27	Sakshi Kanse	27	28	29	30	31	32	33	34	35											
28	Sanvi Kulkarni	28	29	30	31	32	33	34	35												
29	Shravani Lad	29	30	31	32	33	34	35													
30	Shravani Vibhute	30	31	32	33	34	35														
31	Shravani Padval	31	32	33	34	35															
32	Shweta Tiwari	32	33	34	35																
33	Sneha Patil	33	34	35																	
34	Suhani Chhangale	34	35																		
35	Vaishnavi Gode	35																			



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This is to certify that **Ms. Aambokar Krishna Ganesh** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Anagha Sudhakar Musale** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Ansari Adeeba Shamshad Alam** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Mr. Anuj Singha** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Mr. Armaan Singh Panesar** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Ashnaa Muntazeem Ansari** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Asma Shaikh** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Chinmayi Susant Swain** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Mr. Hattim Mohammad** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Kajal Singh** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Karan Raghuraj Gautam** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Mr. Karan Valvi** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Kiran Rambali Gupta** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Mr. Kunal Khandagale** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Majumdar Riya Sanjib** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Mansi Katkade** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Mr. Mihir Nitin Merai** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Nupur Hiwale** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Pradnya Sandeep Salve** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Prajakta Ardekar** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Mr. Pratik Kiran Garud** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Rasika Govind Jadhav** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Ritika Rajinder Jaiswar** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Riya Shinde** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Ruchita Sachin Deshpande** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Sagar Suryanarayan Sahu** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Sakshi Kanse** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Sanvi Aniruddha Kulkarni** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Shravani Lad** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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This is to certify that **Ms. Shravani Shirish Vibhute** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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"Performance Excellence Trophy-2011" in Education by IMC RBNQA Trust

"Reaccredited by NAAC with A Grade (CGPA-3.58)"

CERTIFICATE

This is to certify that **Ms. Shravni Sudhir Padval** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

Dr. Minal Trivedi
Course Coordinator

Dr. Meeta Bhot
Head of Department

Dr. Avinash Patil
Principal



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CERTIFICATE

This is to certify that **Ms. Shweta Tiwari** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

Dr. Minal Trivedi
Course Coordinator

Dr. Meeta Bhot
Head of Department

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CERTIFICATE

This is to certify that **Ms. Sneha Manoj Patil** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

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Course Coordinator

Dr. Meeta Bhot
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CERTIFICATE

This is to certify that **Ms. Suhani Dhananjay Ghangale** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

Dr. Minal Trivedi
Course Coordinator

Dr. Meeta Bhot
Head of Department

Dr. Avinash Patil
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CERTIFICATE

This is to certify that **Ms. Vaishnavi Vijay Gode** has satisfactorily completed the Certificate Course in **Bioinformatics** conducted by Department of **Biotechnology** for **02** Credits during the academic year **2022-23**

Dr. Minal Trivedi
Course Coordinator

Dr. Meeta Bhot
Head of Department

Dr. Avinash Patil
Principal