# 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 (3<sup>rd</sup> Cycle) with 'A' Grade (CGPA-3.58)



# Department of Biotechnology Organises Certificate course

in

# 'Bioinformatics'

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

**Contact** 

Dr. Annika Gupta: <a href="mailto:annika.gupta@bkbirlacollegekalyan.com">annika.gupta@bkbirlacollegekalyan.com</a>
Dr. Minal Trivedi: <a href="mailto:minal.trivedi@bkbirlacollegekalyan.com">minal.trivedi@bkbirlacollegekalyan.com</a>

Course Fee: Rs.500/-Registration Link:

https://forms.office.com/r/eE8wEqeP9k

#### **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											
3.	Genome Information Resources:  DNA Sequence Databases Specialized Genomic Resources.  Genome projects.											
4.	Pairwise alignments  Dot Plots, global and local alignments. BLAST and its types.  Multiple sequence alignments & Description of the sequence alignments are sequence.											
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. 932153176								
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							

B. K. BIRLA COLLEGE (AUTONOMOUS), KALYAN

Department of Biotechnology

Certificate Course in Bioinformatics (2022-23)

15	14	13	12	11	10	9		∞	7	6	S	4	ယ	2	_			T					
Maji	Kun	Kira	Kara	Kara	Kaj	Mo	Hattim	Chi	Ası	Asl	An	An	An	An	Aa	- 5	_ ~						
Majumdar Riya	al Kha	Kiran Gupta	Karan Valvi	Karan Gautam	Kajal Singh	Mohammad	tim	nmay	Asma Shaikh	Ashnaa Ansari	naan	Anuj Singha	sari A	agha	mbok	A	出る						
Riya	Kunal Khandagale	ota	<u>\.</u>	utam	gh	ad		Chinmayi Swain	aikh	nsari	Armaan Panesar	gha	Ansari Adeeba	Anagha Musale	Aambokar Krishna	E	1						
7	ale		5	(2)				n						е		1:00-	-2:0	O					
NE STATE OF THE ST	1	6	THE C	Brod Es	D.	- ha	Tim	3	学	\$2 6	大女	ANTIBLE	老老	9	Æ,	the 17	19/20	21	- 1	7	91	202	2
X	3	1	8	ESTAN BOX	A 84	8	atu	0	15	1	杜	AT AM	The state of the s	(S)	*	2:00-	3/100	1	7	19	120	22	
· e	3	R	From Cont	B.	(A)	5		O	(D)	No.	些	P	老	~ <b>D</b>	×	347 C	10-3 a	2	419	9/20	202	.2	
No.	S S	6		D SA ED	全	} =		0	3	3	*	是	7	B	Z	13 :00	10	21	19	202	11		
	E S	6	D 1	Barr C	T T		~	<b>(2)</b>	空	200	The Note of the No	1 mis	是	2	ドナ	2:00	fon	8	10	20	22		
N. C.	0 EX	1	Ser Constitution	Bana Ba	W R		7	0	1	3	坐	PANOT A	T. A.	8	1	3:00	ron	8	10	202	2		
1		1	DE X	Bur Tare	A A	1		0	少肥	7	五北	AND IN	老者是	(X)	1:	2 00	10	15	10	120	22		Celti
R	1	R	Ø E	Dim.	SA CA		> 2m	0	\$ S	7	五女	AND BELL	15 N. 15		4	7 400	nn	15	10	20	22		ורמופ
7	3	7	J. (2)	The Contract of the Contract o	A (A)	}	_	0		TO THE	艺艺	正意	15 X		4	2 00	on	3	111	202	12	Þ	Cour
1	A A	R	S	W (Kaye	5	3	D D	6	0	1	The A	The Co	NS.	<b>D</b>	4.	3:00	m	3	12	200	1.	ttend	oe in
N. C.	2 3 X	P	3		E	5	P	0		100	女	MA	Z	2	4	1,00	10 10	10	112	120	22	ance	Celtilicate Course in Bioinformatics (2022-23
1	艺	Q	3	(Charle	F	3 =	P		9	5	些	Ind s	Z-	B	t.,	7 2:0	0 10	10	1121	202	L	Attendance Sheet	rorm
No.	艺艺	8	3	Kame	To the second	};	P	O	9	2	#	No.	25%	<b>(2)</b>	10	7 2:00	10	7/	1/2	023	•	7	atics
W.	2	1	N S	Cerran (	To the second	} ;	P	0	3	3	#	ANUT	平水	Ø	13	3:00	M	7	1/2	027	,		(2022
MA	S I	8	3	A LOUIS	O R	} -			3	3	3	Anur )	Hours	(X)	1	7 3 00	to NAS	14		102	3		:-23)
	Z D	1 10	36	) day	SC R	3	P	0	3	80	4	E LI	37.7	8	13	7 3:00	0/10	14	Щ	101	3		
7	EL A	1	35	S TOTAL CO	8	+	<b>D</b>	C	5	2	1	7	24.43		1:	711.00	b fo	28	11	202	3		
	8	6	(2	COM KON	N. C.	₹—	D	6	45	3	色	E		<b>D</b>	1:	VOLUMO	MM	2-8	14	202	)		
	> &	1 6	3		SH K	1	P	0	400	3	*	NO THE	Hate Kate		1.	2.00	10	4	2		23		
N. C.		10	3			1	>	O	7	7	A	B	Note Note In		1	3:00	0 pm	4	11	202			
-		8	Ş	2			P	Q	92	~	X	7		(b)	4	2:00 73:00		(1)	1.1	202			
*	E &	9	3	7		3	D	Q	7	<i>→</i>	女	星	NA ANTE		4	2 . 00	10	11	121	202			
	23	8	3	D (C)	18	};	P	C	9	\$	太	E.	Star Start	B	4	2:00	0 /6 0 /M	25	12	20			
1	200	1	E	Kare	T.	3	P	Q	3/3	Z	坐	E	2/2	D.	1	2:0	010	125	12	200	23		
W UN	2	1	3	K		15	Fun	C	4	35	生	THE STATE OF THE S	Z.	8	1:	7 3 00	tops	4	3	202	-3		
	Z E	A CO	3	+12	1	36	fu	0	100	87	生	The state of the s	Brigg.	-	4	P 4:1	20 pr	4	31	20	23		
2	£ 1	1	3	1321	N. T.	}		6	F		生	B	113		1	9. 2.1	)0 70 <del>00 pun</del>	11	3	202	3		





Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

**Dr.Meeta Bhot**Head of Department

W. T.



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Mind

Dr. Minal Trivedi
Course Coordinator

MABhot

Dr.Meeta Bhot Head of Department

- mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi
Course Coordinator

Dr.Meeta Bhot
Head of Department

- mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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 **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** 

Dr. Minal Trivedi

Dr.Meeta Bhot Head of Department - Ju



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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 **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** 

Dr. Minal Trivedi

Dr.Meeta Bhot Head of Department - Jul



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

Dr.Meeta Bhot
Head of Department

- Ju



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. Asma Shaikh** 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

Dr.Meeta Bhot
Head of Department

- mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

Dr.Meeta Bhot
Head of Department

- Ju



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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 **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** 

Dr. Minal Trivedi

Dr.Meeta Bhot Head of Department - Ju



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. Kajal Singh** 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

Dr.Meeta Bhot
Head of Department

- mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

Dr.Meeta Bhot Head of Department - Jul



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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 **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** 

Dr. Minal Trivedi

Dr.Meeta Bhot Head of Department - mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

Dr.Meeta Bhot
Head of Department

- Jul



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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 **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** 

Dr. Minal Trivedi

Dr.Meeta Bhot
Head of Department

- Jul



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

Dr.Meeta Bhot Head of Department - Ju



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. Mansi Katkade** 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

Dr.Meeta Bhot
Head of Department

- Jul



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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 **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** 

Dr. Minal Trivedi

Dr.Meeta Bhot
Head of Department

- Ju



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. Nupur Hiwale** 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

Dr.Meeta Bhot
Head of Department

- Ju



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

Dr.Meeta Bhot Head of Department - mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. Prajakta Ardekar** 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

Dr.Meeta Bhot
Head of Department

- Ju



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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 **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** 

Dr. Minal Trivedi

Dr.Meeta Bhot
Head of Department

- mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

Dr.Meeta Bhot
Head of Department

- Ju



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

Dr.Meeta Bhot
Head of Department

- Ju



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. Riya Shinde** 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

Dr.Meeta Bhot
Head of Department

- mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

Dr.Meeta Bhot Head of Department - Ju



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

Dr.Meeta Bhot
Head of Department

- mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. Sakshi Kanse** 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

Dr.Meeta Bhot
Head of Department

- Ju



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

Dr.Meeta Bhot Head of Department - mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. Shravani Lad** 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

Dr.Meeta Bhot
Head of Department

Jun -



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
"College of Excellence" status by UGC
"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. 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** 

Dr. Minal Trivedi

Dr.Meeta Bhot
Head of Department

- mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai

"College of Excellence" status by UGC

"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

my



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai

"College of Excellence" status by UGC

"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. 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

MABhot

Dr.Meeta Bhot Head of Department

Jun.



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai

"College of Excellence" status by UGC

"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. 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** 

Dr. Minal Trivedi

Course Coordinator

MABhot

Dr.Meeta Bhot Head of Department

- mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai

"College of Excellence" status by UGC

"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. 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

MABhot

Dr.Meeta Bhot Head of Department

- mg



Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai

"College of Excellence" status by UGC

"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. 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

my