

VPM's B.N.BANDODKAR COLLEGE OF SCIENCE (AUTONOMOUS), THANE

**List of Value Added Credit Based Certificate Courses
Academic Year 2024-25**

Sr. No.	Certificate Course	Department	Hours	Credits
1	Quick Calculations in Mathematics	Mathematics	30	2
2	Basic Calculus using GeoGebra	Mathematics	30	2
3	Computer Skills	College	30	2
Resolution No. 41, Approval for 3 new Certificate Courses as presented in Agenda 3 and granted by The Academic Council meeting held on 2 nd July 2024.				
Note: These two courses were sanctioned in CDC (College Development Committee) Meeting held on 17 th June 2022 under Agenda 5 and were recommended for change in course title				
4	Postgraduate Diploma Course in Clinical Studies, Data Management and Medical Writing	College	1 Year	24
Resolution No. 32, Approval for 1 new Certificate Courses as presented in Agenda 4 and granted by The Academic Council meeting held on 6 th July 2023				
5	IPR for Beginners	Chemistry	30	2
6	Forensic Science	Biochemistry	30	2
7	Introduction to Ornithology	Human Science	30	2
8	Fish dishes	Zoology	30	2
9	Calligraphy	Microbiology	30	2
Resolution No. 36, Approval for 5 new certificate courses as presented in Agenda 3 and granted by The Academic Council meeting held on 4 th September 2023)				
10	Artificial Neural Networks	IT and CS	30	2
11	Banking Insurance and Cyber Frauds	Alumni/ Inter Disciplinary	30	2
12	Basic English Learning	Inter Disciplinary	30	2
Resolution No. 18, Item No. 5.1 to 5.4 - Approval for 3 new Certificate Courses as presented in Agenda 7 and granted by The Academic Council meeting held on 14 th June 2022				
13	Basics of C++	Physics	45	3
14	Big Data Analysis	IT and CS	30	2
15	Next Generation Databases	IT and CS	30	2
16	Artificial Intelligence	IT and CS	30	2
17	Virtualization	IT and CS	30	2
18	Machine Learning	IT and CS	30	2
19	Economics for Beginners: The Basics	Inter Disciplinary	32	2
20	The Beginners Introduction to Principles of Marketing	Inter Disciplinary	60	4
21	Certificate Course in Creative Writing	Inter Disciplinary	30	2



22	Mocktails from Nature's Basket	Botany	30	2
23	Basic Course in Law for students of Faculty of Science	College	30	2
24	The Central Public Administrative System	FC	30	2
25	SPSS Basic Level I	Statistics	30	2

Resolution No. 13, Item No. 5.3 - Approval for 13 new certificate courses as presented in Agenda 7 and granted by The Academic Council (meeting held on 14th February 2022)

26	Techniques in Molecular Biology (Level-I)	CDC Meeting dated 8 th August 2018	Biotechnology & Microbiology	45	3
27	Techniques in Molecular Biology (Level-II)			45	3
28	Certificate Course in Computer Skills		IT and CS	60	4
29	Introduction to Astronomy and Astrophysics		Physics	45	3
30	Food Adulteration and Quality Management		Biochemistry	38	3
31	Research Scholar Programme		Botany	160	8
32	Solid Waste Management	CDC Meeting dated 20 th February 2019	Ev.S.	30	2
33	Fruit Preserves and Beverages: A Skill Development Course		Botany	60	4
34	Basics of R Software		Statistics	45	3
35	Python Level I		IT and CS	45	3
36	Instrumentation & Preparation of Standard Solutions		Chemistry	45	3

Resolution No.12, Item No 5.2 - Approval of allotment of credits for existing old certificate courses under Autonomy in Academic Council Meeting 14th February 2022

37	Basic Excel	CDC Meeting dated June 2021	Botany	30	2
----	-------------	-----------------------------	--------	----	---

Resolution No. 18, Item No. 5.2 - Approval for allotment of credits for existing old certificate courses under Autonomy by The Academic Council Meeting 14th June 2022

38	Management for Beginners	--	College, ID	45	3
----	--------------------------	----	-------------	----	---

Resolution No.3, Item No 4.2-4.17 - Approval of certificate courses in Academic Council Meeting 30th April 2021

[Signature]
09/05/2025

I/C Principal,
Prof. Dr. Vinda Manjramkar
VPM's B.N. BANDODKAR COLLEGE OF SCIENCE (AUTONOMOUS), THANE

