

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

➤ Existing Certificate Courses in Year 2022-2023

No	Certificate Course	Department	Hours	Credits
1	Artificial Neural Networks	IT and CS	30	2
2	Banking Insurance and Cyber Frauds	Alumni/ Inter Disciplinary	30	2
3	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				
4	Basics of C++	Physics	45	3
5	Big Data Analysis	IT and CS	30	2
6	Next Generation Databases	IT and CS	30	2
7	Artificial Intelligence	IT and CS	30	2
8	Virtualization	IT and CS	30	2
9	Machine Learning	IT and CS	30	2
10	Economics for Beginners: The Basics	Inter Disciplinary	32	2
11	The Beginners Introduction to Principles of Marketing	Inter Disciplinary	60	4
12	Certificate Course in Creative Writing	Inter Disciplinary	30	2
13	Mocktails from Nature's Basket	Botany	30	2
14	Basic Course in Law for students of Faculty of Science	College	30	2
15	The Central Public Administrative System	FC	30	2
16	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 14 th February 2022)				



I/C Principal,
Prof. Dr. Vinda Manjramkar

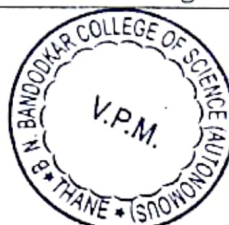
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List of Value Added Credit Based Certificate Courses

➤ Existing Certificate Courses in Year 2021-2022

No	Certificate Course	Approval Details	Department	Hours	Credits
1	Techniques in Molecular Biology (Level-I)	CDC Meeting dated 8 th August 2018	Biotechnology & Microbiology	45	3
2	Techniques in Molecular Biology (Level-II)			45	3
3	Certificate Course in Computer Skills		IT and CS	60	4
4	Introduction to Astronomy and Astrophysics		Physics	45	3
5	Food Adulteration and Quality Management		Biochemistry	38	3
6	Research Scholar Programme		Botany	160	8
7	Solid Waste Management	CDC Meeting dated 20 th February 2019	Ev.S.	30	2
8	Fruit Preserves and Beverages: A Skill Development Course		Botany	60	4
9	Basics of R Software		Statistics	45	3
10	Python Level I		IT and CS	45	3
11	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 14 th February 2022					
12	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 14 th June 2022					
13	Management for Beginners	--	College, ID	45	3
Resolution No.3, Item No 4.2-4.17 - Approval of certificate courses in Academic Council Meeting 30 th April 2021					



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