

VPM's B.N.Bandodkar College of Science (Autonomous), Thane									
AQAR 2023-24									
Criterion I – Curricular Aspects									
1.3 Curriculum Enrichment									
1.3.1 Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum:									
Sr. No	Progra mme	Programme Specilization	Course Name	Course Code	Activities - Syllabus content				Curriculum of the Course
					PE	G	HV	ES	
1	Bachelor of Science (B.Sc.)	FYB.Sc. OE	Soft skills and personality development-I	23BUID1T6	YES	NO	NO	NO	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/FY_SOFT_SKILL_NEP_%2023-24.pdf
2		FYB.Sc. OE	Soft skills and personality development-II	23BUID2T6	YES	NO	NO	NO	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/FY_SOFT_SKILL_NEP_%2023-24.pdf
3		FYB.Sc. IKS	The Ancient Indian Social Structure. -I	23BUIK1T9	NO	NO	YES	NO	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/FY_IKS_NEP_%2023-24.pdf
4		FYB.Sc. IKS	The Ancient Indian Social Structure. -II	23BUIK2T9	NO	NO	YES	NO	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/FY_IKS_NEP_%2023-24.pdf
5		Biochemistry	IKS Principles of Yoga for Body and Mind	23BUIK1T2	NO	NO	YES	NO	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/FY_BIOCHEM_NEP_%2023-24.pdf
6			Applied Biochemistry II	BNBUSBC4T3	NO	NO	NO	YES	https://www.vpmthane.org/bnb/Syllabus/S.Y.B.Sc.%20Biochemistry.pdf
7			Enivornmental science	BNBUSACEVS	NO	NO	NO	YES	https://drive.google.com/file/d/1mgCtehfzPzTaD8l0--uQeL2eSHxLYwm/view?usp=drive_link
8			Nutrition Science & Developmental Biology	BNBUSBC5T2	NO	YES	NO	NO	https://vpmthane.org/BNB/Syllabus/TY_AT_BC_23-24.pdf
9			Environmental Biotechnology-I	23BU1SEC7	NO	NO	NO	YES	http://www.vpmthane.org/bnb/Syllabus/Syllabus_NEP_23-24/FY_BIOTECH_NEP_%2023-24.pdf
10		Communication Skills-II	23BUEN2T8	YES	NO	NO	NO	http://www.vpmthane.org/bnb/Syllabus/Syllabus_NEP_23-24/FY_BIOTECH_NEP_%2023-24.pdf	
11		Marine Biotechnology	BNBUSBT5T4	NO	NO	NO	YES	http://www.vpmthane.org/bnb/Syllabus/TY_AT_BT_23-24.pdf	



12	Biotechnology	Applications of Biotechnology, Gene sequencing & editing and Environmental Biotechnology	BNBUSBT6T4	NO	NO	NO	YES	http://www.vpmthane.org/bnb/Syllabus/TY_AT_BT_23-24.pdf
13		Agribiotechnology	BNBUSBT6T5	NO	NO	NO	YES	http://www.vpmthane.org/bnb/Syllabus/TY_AT_BT_23-24.pdf
14	Botany	Angiosperms - Green Walls	BNBUSBO3T1	NO	NO	NO	YES	https://www.vpmthane.org/BNB/Syllabus/S.Y.B.Sc.%20Botany.pdf
15		Forestry - Economic Botany	BNBUSBO3T3	NO	NO	NO	YES	https://www.vpmthane.org/BNB/Syllabus/S.Y.B.Sc.%20Botany.pdf
16		Ecology & Environmental Botany	BNBUSBO4T2	NO	NO	NO	YES	https://www.vpmthane.org/BNB/Syllabus/S.Y.B.Sc.%20Botany.pdf
17	Chemistry	Electrochemistry and Green chemistry	24BUCH4T4	NO	NO	NO	YES	http://www.vpmthane.org/bnb/Syllabus/S.Y.B.Sc.%20Chemistry.pdf
18		Environmental Chemistry	24BUCH4T5	NO	NO	NO	YES	http://www.vpmthane.org/bnb/Syllabus/S.Y.B.Sc.%20Chemistry.pdf
19	Computer Science/ IT	Green Technologies	23BUFP2T7	YES	NO	YES	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/FY_CS_NEP_%2023-24.pdf
20		Population Studies (S.Y.B.Sc)	BNBUSHS3T2	NO	NO	YES	NO	https://vpmthane.org/BNB/Syllabus/SYB_SC_Human_Science.pdf
21		Management and Organization structure and function (S.Y.B.Sc)	BNBUSHS3T4	YES	NO	NO	NO	https://vpmthane.org/BNB/Syllabus/SYB_SC_Human_Science.pdf
22	Human Science	Environmental issues & Introduction to Environmental	BNBUSHS3T5	NO	NO	NO	YES	https://vpmthane.org/BNB/Syllabus/SYB_SC_Human_Science.pdf
23		Sex, Fertility & Psychological	BNBUSHS4T2	NO	YES	NO	NO	https://vpmthane.org/BNB/Syllabus/SYB_SC_Human_Science.pdf
24		Industrial Psychology(T.Y.B.Sc)	BNBUSHS5T1	YES	NO	NO	NO	
25		Environmental Science impact assesment, disaster Management(T.Y.	BNBUSHS6T2	NO	NO	NO	YES	



26	Microbiology	Applied Environmental Science	BNBUSMB5T5	NO	NO	NO	YES	http://www.vpmthane.org/bnb/Syllabus/TY_AT_MC_23-24.pdf
27		Environmental Management	BNBUSMB6T5	NO	NO	NO	YES	http://www.vpmthane.org/bnb/Syllabus/TY_AT_MC_23-24.pdf
28	Physics	SEC - Physics Measuring skill	23BU1SEC7	YES	NO	NO	YES	http://www.vpmthane.org/bnb/Syllabus/F.Y.B.Sc. Physics Syllabus.pdf
29		Physics -I (Generic-1)	23BUPH1T5	YES	NO	NO	YES	http://www.vpmthane.org/bnb/Syllabus/F.Y.B.Sc. Physics Syllabus.pdf
30		Applied Physics -I /Solar Energy and Measurement	BNBUSPH3T3	YES	NO	NO	YES	http://www.vpmthane.org/bnb/Syllabus/S.Y.B.Sc.%20Physics.pdf
31		Applied Physics-II /Solar Energy Applications and Analysis	BNBUSPH4T3	YES	NO	NO	YES	http://www.vpmthane.org/bnb/Syllabus/S.Y.B.Sc.%20Physics.pdf
32		Instruments, Consumer Appliances and C++	BNBUSPH5P3	YES	NO	NO	NO	http://www.vpmthane.org/BNB/Syllabus/TY_AT_PH_23-24.pdf
33	N.S.S.	Value system and Gender sensitivity, Environment and Environment enrichment program, Energy and energy enrichment	NSS103	NO	YES	YES	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4.60-National-Service-Scheme-Sem-I-to-IV.pdf
34	Zoology	Environmental management and Zoogeography	BNBUSZO6T4 Unit 1	NO	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/TY_AT_ZO_23-24.pdf
35	Chemistry	Green Chemistry and Catalyst Chemistry	23BPCH1T4	NO	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_CHEM_NEP_%2023-24.pdf
36		Environmental Chemistry	23BPCH2T5	NO	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_CHEM_NEP_%2023-24.pdf
37		Medicinal , Biogenesis and green chemistry	PSCHOEC-I 304	NO	NO	NO	YES	https://old.mu.ac.in/wp-content/uploads/2016/06/4.71-M.Sc.-Organic-Chemistry-Sem-III-Sem-IV.pdf
38	Environmental Sciences	Environment and Natural Resources	23BPEV1T1	NO	NO	YES	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_EVS_NEP_%2023-24.pdf



39	Ecology and Ecosystem	23BPEV1T2	NO	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MS_C_I_EVS_NEP_%2023-24.pdf
40	Environmental Pollution	23BPEV1T3	NO	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MS_C_I_EVS_NEP_%2023-24.pdf
41	Biodiversity and Conservation	23BPEV1T4/2 3BPEV1P2	YES	NO	YES	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MS_C_I_EVS_NEP_%2023-24.pdf
42	Pollution and Waste	23BPEV1T5/2 3BPEV1P3	NO	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MS_C_I_EVS_NEP_%2023-24.pdf
43	Major Practical I	23BPEV1P1	YES	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MS_C_I_EVS_NEP_%2023-24.pdf
44	Environmental Monitoring and Assessment	23BPEV2T1	NO	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MS_C_I_EVS_NEP_%2023-24.pdf
45	Pollution Control Technology	23BPEV2T2	NO	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MS_C_I_EVS_NEP_%2023-24.pdf
46	Environmental Policies and Regulations	23BPEV2T3	YES	YES	YES	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MS_C_I_EVS_NEP_%2023-24.pdf
47	Major Practical I	23BPEV2P1	YES	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MS_C_I_EVS_NEP_%2023-24.pdf
48	Green technology	23BPEV2T4/2 3BPEV2P2	YES	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MS_C_I_EVS_NEP_%2023-24.pdf
49	Environmental Nanotechnology	23BPEV2T5/2 3BPEV2P3	NO	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MS_C_I_EVS_NEP_%2023-24.pdf
50	Field Project	23BPEV2P4	YES	NO	NO	YES	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MS_C_I_EVS_NEP_%2023-24.pdf
51	Advanced Pollution Control Technology	PSEVS301	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.92%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf
52	Instrumentation and Biostatistics	PSEVS302	NO	NO	NO	NO	https://archive.mu.ac.in/syllabus/4.92%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf
53	Environmental Toxicology	PSEVS303	NO	NO	NO	NO	https://archive.mu.ac.in/syllabus/4.92%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf
54	Industrial Hygiene and Chemical Safety	PSEVS304	YES	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.92%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf



55		Ecotechnology	PSEVS401	NO	NO	YES	YES	https://archive.mu.ac.in/syllabus/4.92%20%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf
56		Environmental Biotechnology and	PSEVS402	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.92%20%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf
57		Sustainable Management	PSEVS403	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.92%20%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf
58		Environmental Management	PSEVS404	NO	NO	NO	YES	https://archive.mu.ac.in/syllabus/4.92%20%20%20M%20Sc%20Env%20Sci%20Sem%20III-IV.pdf
59	Biodiversity and Wildlife Conservation and Management	Basics of Plant and Animal Diversity	23BPBW1T1	NO	NO	NO	NO	https://vpminthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_BWCM_NEP_%2023-24.pdf
60		Fundamentals of Ecology and ecosystems	23BPBW1T2	NO	NO	NO	YES	https://vpminthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_BWCM_NEP_%2023-24.pdf
61		Essentials of field study	23BPBW1T3	NO	NO	NO	YES	https://vpminthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_BWCM_NEP_%2023-24.pdf
62		Major practical Sem 1	23BPBW1P1	NO	NO	NO	NO	https://vpminthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_BWCM_NEP_%2023-24.pdf
63		Agricultural Diversity	23BPBW1T5	NO	NO	NO	YES	https://vpminthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_BWCM_NEP_%2023-24.pdf
64		Population Dynamics & Behavioural Ecology	23BPBW2T1	NO	NO	NO	NO	https://vpminthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_BWCM_NEP_%2023-24.pdf
65		Habitat Ecology	23BPBW2T2	NO	NO	NO	YES	https://vpminthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_BWCM_NEP_%2023-24.pdf
66		Planning and Implementing Conservation programmes	23BPBW2T3	NO	NO	NO	YES	https://vpminthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_BWCM_NEP_%2023-24.pdf
67		Bioanalytical Techniques	23BPBW2P1	NO	NO	NO	NO	https://vpminthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_BWCM_NEP_%2023-24.pdf
68		On Job Training/Field project	23BPBW2P3	NO	NO	NO	YES	https://vpminthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_BWCM_NEP_%2023-24.pdf



69			Sustainable Development, Molecular Phylogenetics and GMOs	PSBWCM301	NO	NO	NO	YES	https://mu.ac.in/wp-content/uploads/2021/09/6.1-M.Sc.-BWCM-Part-II-Sem-III-IV1.pdf
70			Acts and Laws of Protected Areas and People Participation in their Sustainance	PSBWCM302	NO	NO	NO	YES	https://mu.ac.in/wp-content/uploads/2021/09/6.1-M.Sc.-BWCM-Part-II-Sem-III-IV1.pdf
71			Environmental Monitoring and Environmental Audits	PSBWCM303	NO	NO	NO	YES	https://mu.ac.in/wp-content/uploads/2021/09/6.1-M.Sc.-BWCM-Part-II-Sem-III-IV1.pdf
72			Applications of Information Technology in Field Biology	PSBWCM304	NO	NO	NO	YES	https://mu.ac.in/wp-content/uploads/2021/09/6.1-M.Sc.-BWCM-Part-II-Sem-III-IV1.pdf
73		Clinical Psychology	Psychology of gender	23BPCP2T5	NO	YES	NO	NO	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_CLI_PSY_NEP_%2023-24.pdf
74			Basic Counseling Skills	23BPCP2T4	YES	NO	NO	NO	http://www.vpmthane.org/BNB/Syllabus/Syllabus_NEP_23-24/MSC_I_CLI_PSY_NEP_%2023-24.pdf
75	B.Sc. and M.Sc.	Applicable to all Biological Science Programmes	Certificate Course Solid Waste Management	BCCSW011	NO	NO	NO	YES	https://www.vpmthane.org/BNB/Cert_Syllabus/Solid%20Waste%20Management.pdf
	TOTAL COURS			73	14	7	14	55	




I/C Principal
 VPM's B.N. Bandodkar College of Science (Autonomous)
 Thane (W)