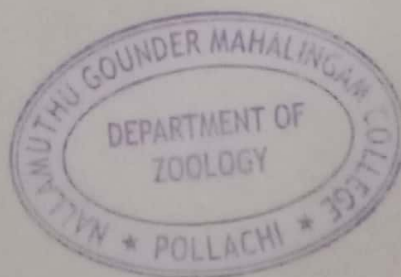
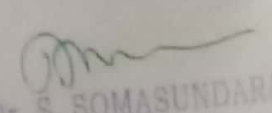


List of Courses focus on national, regional and global developmental needs

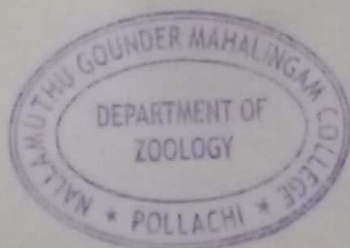
B.Sc., Zoology

B.Sc., Zoology						
Programme : B.Sc., Zoology						Year : 2020 - 2023 Batch
Course code	Course title	Need				Rationale
		Local	National	Regional	Global	
20UZY101	Nonchordata	✓		✓		Species identification
20UZY202	Chordata	✓		✓		Species identification
20UZY203	Major Practical - I Nonchordata & Chordata	✓		✓		Species identification
20UBY1A1	Nonchordata and Chordata	✓		✓		Species identification
20UBY2A2	Economic Zoology	✓		✓	✓	Rearing of different species
20UBY2A3	Ancillary Zoology Practical Paper I & II	✓		✓		Species identification
20UZY304	Cell Biology				✓	To know the functions of organelles
20UZY3N1	Public Health and Hygiene	✓	✓	✓	✓	disease identification
20UZY3N2	Ornamental Fish Culture		✓		✓	Rearing of different species of fishes
20UZY405	Genetics				✓	hereditary diseases
20UZY406	Major Practical - II Cell biology & Genetics				✓	To know the functions of organelles and hereditary diseases
20UZY4N3	Food and Nutrition	✓	✓	✓	✓	importance of food and



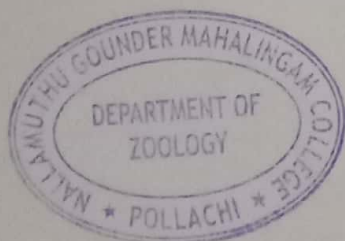

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						Nutritional deficiency
20UZY4N4	Apiculture	✓		✓		rearing techniques of honeybee
20UZY 507	Developmental Biology		✓		✓	to know the embryo development
20UZY508	Biotechnology	✓	✓	✓	✓	Advanced Techniques by using organisms
20UZY509	Biostatistics& Biophysics	✓	✓	✓	✓	applications of instruments and statistical analysis
20UZY510	Biochemistry and Bioinformatics	✓	✓	✓	✓	metabolic activities of macronutrients and application of bioinformatics tools
20UZY 5E1	Medical Laboratory Techniques	✓	✓	✓	✓	sample analysis and disease diagnosis
20UZY 5E2	Poultry Science and Management Technology	✓	✓	✓		rearing techniques of poultry birds
20UZY611	Animal Physiology and Endocrinology	✓	✓	✓	✓	physiological activities of animals and functions endocrine glands
20UZY612	Ecology & Evolution	✓	✓	✓	✓	Environmental pollution and evolving the new organisms from ancestors
20UZY613	Microbiology and Immunology	✓	✓	✓	✓	Applications in microbiology and



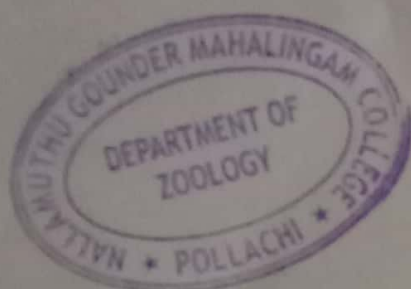
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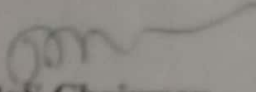
						immunization and vaccination
20UZY6E3	Sericulture	✓	✓	✓		Silkworm rearing techniques
20UZY6E4	Insect Pest Management	✓	✓	✓	✓	Control the insect pest attacks
20UZY6E5	Aquaculture	✓	✓	✓	✓	preparing, culturing and maintaining the aquarium and commercial important species
20UZY6E6	Wildlife Conservation	✓	✓	✓	✓	Wildlife management and conservation techniques
20UZY614	Major Practical – III Developmental Biology, Animal Physiology & Endocrinology, Biostatistics & Biophysics, Bioinformatics & Biochemistry & MLT	✓		✓		Hands on training on haematology and nephrology
20UZY 615	Major Practical - IV (Ecology, Evolution, Biotechnology, Microbiology, Sericulture and Aquaculture)	✓		✓		Study the environmental quality, microbiology, rearing of fishes and silkworms
20UZY6S3	Vermiculture	✓	✓	✓		Natural biofertilizer production, maintenance and marketing



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20UZY 6S4	Biopharmaceuticals	✓	✓	✓	✓	Understand the biological systems and metabolism of drugs, drug production and quality
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BoS Chairman

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