

**B.Sc. ZOOLOGY**

**CHOICE BASED CREDIT SYSTEM –**

**LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK (CBCS - LOCF)**

(Applicable to the candidates admitted from the academic year 2022-23 onwards)

(Naan Mudhalvan scheme has been implemented from 2nd to 4th semester  
for the 2023-2024 Batch)

Sem.	Part	Course	Title of the Course	Ins. Hrs	Credit	Exam Hours	Marks		Total
							Int.	Ext.	
I	I	Language Course – I Tamil \$ / Other Languages + #		6	3	3	25	75	100
	II	English Course - I		6	3	3	25	75	100
	III	Core Course – I (CC)	Invertebrata	5	5	3	25	75	100
		Core Practical – I (CP)	Invertebrata	4	4	3	40	60	100
		First Allied Course – I (AC)		4	4	3	25	75	100
		First Allied Practical (AP)		3	-	-	-	-	-
	IV	Value Education		2	2	3	25	75	100
<b>TOTAL</b>				<b>30</b>	<b>21</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>600</b>
II	I	Language Course - II Tamil \$ / Other Languages + #		6	3	3	25	75	100
	II	English Course - II		4	3	3	25	75	100
	III	Core Course – II (CC)	Chordata	5	5	3	25	75	100
		Core Practical – II (CP)	Chordata	4	4	3	40	60	100
		First Allied Practical (AP)		3	2	3	40	60	100
		First Allied Course – II (AC)		4	4	3	25	75	100
		Add on Course – I ##	Professional English – I	6*	4	3	25	75	100
	IV	Environmental Studies		2	2	3	25	75	100
	VI	Naan Mudhalvan Scheme (NMS) @@	Language Proficiency for Employability - Overview of English Language Communication	2	2	3	25	75	100
<b>TOTAL</b>				<b>30</b>	<b>29</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>900</b>

III	I	Language Course – III Tamil \$ / Other Languages + #		6	3	3	25	75	100
	II	English Course - III		6	3	3	25	75	100
	III	Core Course – III (CC)	Cell and Molecular Biology	5	5	3	25	75	100
		Core Practical - III (CP)	Cell and Molecular Biology	4	4	3	40	60	100
		Second Allied Course – I (AC)		4	4	3	25	75	100
		Second Allied Practical (AP)		3	-	-	-	-	-
		Add on Course – II ##	Professional English - II	6*	4	3	25	75	100
	IV	Non-Major Elective I @ - Those who choose Tamil in Part I can choose a non-major elective course offered by other departments. Those who do not choose Tamil in Part I must choose either a) Basic Tamil if Tamil language was not studied in school level <b>or</b> b) Special Tamil if Tamil language was studied upto 10 <sup>th</sup> & 12 <sup>th</sup> std.	Public Health and Hygiene	2	2	3	25	75	100
	VI	Naan Mudhalvan Scheme (NMS) @@	Digital Skills for Employability – Microsoft Digital Skills	-	2	3	25	75	100
	<b>TOTAL</b>			<b>30</b>	<b>27</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>800</b>
IV	I	Language Course –IV Tamil \$ / Other Languages + #		6	3	3	25	75	100
	II	English Course – IV		6	3	3	25	75	100
	III	Core Course - IV (CC)	Microbiology	5	5	3	25	75	100
		Core Practical - IV (CP)	Microbiology	4	4	3	40	60	100
		Second Allied Practical (AP)		3	2	3	40	60	100
		Second Allied Course – II (AC)		4	4	3	25	75	100
	IV	Non-Major Elective II @ - Those who choose Tamil in Part I can choose a non-major elective course offered by other departments. Those who do not choose Tamil in Part I must choose either a) Basic Tamil if Tamil language was not studied in school level <b>or</b> b) Special Tamil if Tamil language was studied upto 10 <sup>th</sup> & 12 <sup>th</sup> std.	Economic Zoology	2	2	3	25	75	100
	VI	Naan Mudhalvan Scheme (NMS) @@	Healthcare & Data Management	-	2	3	25	75	100
	<b>TOTAL</b>			<b>30</b>	<b>25</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>800</b>

V	III	Core Course -V (CC)	Developmental Biology	5	5	3	25	75	100
		Core Course – VI (CC)	Genetics and Evolution	5	5	3	25	75	100
		Core Course – VII (CC)	Immunology	5	5	3	25	75	100
		Core Practical -V (CP)	Developmental Biology, Genetics and Evolution & Immunology	4	4	3	40	60	100
		Major Based Elective – I (Any one)	1. Aquatic Biology 2. Biodiversity and Conservation	5	4	3	25	75	100
	IV	Skill Based Elective I	Aquarium fish keeping	4	2	3	25	75	100
		Soft Skills Development		2	2	3	25	75	100
	TOTAL			30	27	-	-	-	700
VI	III	Core Course - VIII (CC)	Animal Physiology	6	5	3	25	75	100
		Core Course - IX (CC)	Biotechnology	6	5	3	25	75	100
		Core Practical – VI (CP)	Animal Physiology and Biotechnology	4	4	3	40	60	100
		Major Based Elective – II (Any one)	1. Environmental Biology 2. Applied Entomology	5	4	3	25	75	100
		Project*		4	3	-	20	80	100
	IV	Skill Based Elective II	Medical Diagnostics	4	2	3	25	75	100
	V	Gender Studies		1	1	3	25	75	100
		Extension Activities **		-	1	-	-	-	-
	TOTAL			30	25	-	-	-	700
GRAND TOTAL			180	154	-	-	-	4500	

### List of Allied Courses

**First Allied Course**

**Second Allied Course**

Botany

Chemistry

- \$ For those who studied Tamil upto 10<sup>th</sup> +2 (Regular Stream).
- + Syllabus for other Languages should be on par with Tamil at degree level.
- # Those who studied Tamil upto 10<sup>th</sup> +2 but opt for other languages in degree level under Part- I should study special Tamil in Part – IV.
- ## The Professional English – Four Streams Course is offered in the 2<sup>nd</sup> and 3<sup>rd</sup> Semester (only for 2022-2023 Batch) in all UG Courses. It will be taught apart from the Existing hours of teaching / additional hours of teaching (1 hour /day) as a 4 credit paper as an add on course on par with Major Paper and completion of the paper is must to continue his / her studies further. (As per G.O. No. 76, Higher Education (K2) Department dated: 18.07.2020).
- \* The Extra 6 hrs / cycle as per the G.O. 76/2020 will be utilized for the Add on Professional English Course.
- @ NCC Course is one of the Choices in Non-Major Elective Course. Only the NCC cadets are eligible to choose this course. However, NCC Course is not a Compulsory Course for the NCC Cadets.
- \*\* Extension Activities shall be outside instruction hours.
- @@ Naan Mudhalvan Scheme.

#### SUMMARY OF CURRICULUM STRUCTURE OF UG PROGRAMMES

Sl. No.	Part	Types of the Courses	No. of Courses	No. of Credits	Marks
1.	I	Language Courses	4	12	400
2.	II	English Courses	4	12	400
3.	III	Core Courses	9	45	900
4.		Core Practical	6	24	600
5.		Allied Courses I & II	4	16	400
6.		Allied Practical	2	4	200
7.		Major Based Elective Courses	2	8	200
8.		Add on Courses	2	8	200
9.		Project	1	3	100
10.	IV	Non-Major Elective Courses (Practical)	2	4	200
11.		Skill Based Elective Courses	2	4	200
12.		Soft Skills Development	1	2	100
13.		Value Education	1	2	100
14.		Environmental Studies	1	2	100
15.	V	Gender Studies	1	1	100
16.		Extension Activities	1	1	--
17.	VI	Naan Mudhalvan Scheme	3	6	300
	<b>Total</b>		<b>46</b>	<b>154</b>	<b>4500</b>