

NEHRU MEMORIAL COLLEGE (AUTONOMOUS),

(Nationally Accredited with 'A' grade by NAAC)

PUTHANAMPATTI – 621 007

MINUTES OF THE MEETING - PG BOARD OF STUDIES IN ZOOLOGY

The meeting of the Board of Studies for M.Sc., programme in Zoology (Post Graduate) was held in the PG and Research Department of Zoology of our college on 20-09-2018, the Thursday at 10.00a.m. The following members attended the meeting.

1. **Dr. N. RAMESH** CHAIRMAN
Assistant Professor and Head (SF)
PG and Research Department of Zoology
Nehru Memorial College (Autonomous)
Puthanampatti – 621 007
Trichy District
2. **Dr. V. RAMASUBRAMANIAN** SUBJECT EXPERT FROM
Associate Professor OUT SIDE THE PARENT
Department of Zoology UNIVERSITY
Division of Aquatic Biotechnology
3. **Dr. P. SURESH** SUBJECT EXPERT FROM
Associate Professor OUT SIDE THE PARENT
Department of Zoology UNIVERSITY
Thiagarajar College of Arts & Science
4. **Dr. K. EMMANUVEL RAJAN** (UNIVERSITY
Professor and Head REPRESENTATIVE)
Department of Animal Science
5. **Dr. S.KANNAN** SUBJECT EXPERT
Professor & Head,
Department of Zoology,
Periyar University,
Salem-636 007
6. **Dr. ARULSAM Y JEBANESAN** SUBJECT EXPERT
Professor and Head
Department of Zoology (DDE),
Annamalai University,
Annamalai Nagar,
Chidambaram – 608 002.

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| <p>7. Mrs. JOSPINE SELVARAJ
 Managing Director
 VIBIS Honey Bee Farm
 No. 67, Alagar Koil Main Road
 LKT Nagar, Kadachanendhal
 Madurai – 625 107</p> | <p>MEMBER (INDUSTRIALIST)</p> |
| <p>8. Dr. M.P. SANTHI
 HOD of Zoology,
 Nehru Memorial College (Autonomous)
 Puthanampatti-621007.</p> | <p>MEMBER (UG BOARD OF
 STUDIES CHAIRMAN)</p> |
| <p>9. Dr. P. NEELANARAYANAN
 Associate Professor of Zoology,
 Nehru Memorial College (Autonomous)
 Puthanampatti-621007.</p> | <p>MEMBER</p> |
| <p>10. Dr. K. SARAVANAN
 Assistant Professor of Zoology,
 Nehru Memorial College (Autonomous)
 Puthanampatti-621007.</p> | <p>MEMBER</p> |
| <p>11. Dr. V. RAMESH
 Assistant Professor of Zoology,
 Nehru Memorial College (Autonomous)
 Puthanampatti-621007.</p> | <p>MEMBER</p> |
| <p>12. Dr. A. BOOPATHY RAJA
 Assistant Professor of Zoology,
 Nehru Memorial College (Autonomous)
 Puthanampatti-621007.</p> | <p>MEMBER</p> |
| <p>13. Dr. R. SUDHA
 Assistant Professor of Zoology,
 Nehru Memorial College (Autonomous)
 Puthanampatti-621007.</p> | <p>MEMBER</p> |
| <p>14. Dr. C. RENUKA
 Assistant Professor of Zoology,
 Nehru Memorial College (Autonomous)
 Puthanampatti-621007.</p> | <p>MEMBER</p> |
| <p>15. Dr. G. REVATHI
 Assistant Professor of Zoology,
 Nehru Memorial College (Autonomous)
 Puthanampatti-621007.</p> | <p>MEMBER</p> |
| <p>16. Ms. P. SIVABAKIYAM
 Assistant Professor of Zoology,
 Nehru Memorial College (Autonomous)
 Puthanampatti-621007.</p> | <p>MEMBER</p> |
| <p>17. Dr. S. ELAVARASI
 Assistant Professor of Zoology
 (SERB-National Post Doctoral Fellow),
 Holy Cross College (Autonomous),
 Tiruchirappalli – 620 002.</p> | <p>MEMBER (ALUMNI)</p> |

Dr. N. Ramesh HOD (SF) of Zoology Chairperson for the PG - Board of studies (M.Sc., Zoology) welcomed all the members. He also informed that Dr. K. Emmanuvel Rajan, Professor and Head, Department of Animal Science, Bharathidasan University, Tiruchirappalli (University Representative) was not able to attend the meeting due to his pre-assigned work. The Chairman further informed that the copy of the syllabus presented in the meeting will be submitted to him for his perusal and approval. The members also accepted the same.

The course structure and syllabi for the courses to be taught during the semesters I, II, III & IV under CBCS pattern for M.Sc., programme in Zoology (offered from 2019 – 2020 onwards) were presented for a detailed discussion.

Resolution

It is resolved the course structure and syllabi was revised for the courses to be taught during the I, II, III & IV semesters for the M.Sc., Zoology students of 2019 – 2020 batch onwards. The committee suggested the following vital points to level up the course contents.

1. The recent text books and recent Reference books should be updated for all courses.
2. The title of the Core Course paper I Taxonomy and Animal Diversity is changed into Invertebrata and Chordata accordingly the syllabus content is also modified.
3. The Core Course II Molecular Biology is changed into Cell and Molecular Biology by modifying the course contents.

In it the first Unit should be altered according to the committee recommendation.

4. The Core Course III Comparative Physiology paper is changed into Animal Physiology and necessary recommendations must be included in the contents of syllabus. The paper Animal Physiology shifted from I semester to II semester.
5. The Core Course IV Biophysics and Biochemistry paper is renamed as Biochemistry.
6. The Core Course VII paper Molecular Genetics is renamed as Genetics and shifted to first semester.
7. The Core Course VI Immunology and Immunotechniques paper nomenclature is changed to Immunology.
8. In the third semester the Core Course XI Ecology and Evolution will be treated as Evolution alone and in IV semester the subject title Eco toxicology is changed as Ecology and Ecotoxicology.

9. As per the MHRD regulations of higher education department the online Swayam courses are mandatory for master degree programmes. Accordingly the committee recommends to implement the Swayam courses after providing necessary infrastructure facilities to the concerned department (computer, internet and course coordinator facilities).
10. In the fourth semester the CEC paper III Biostatistics is changed into Nanobiotechnology. The CEC paper IV Bioinformatics is changed into Cancer and Stemcell Biology.
11. In the fourth semester the project work paper CC-XV the mark system has slightly changed as 40 marks for internal, 40 marks for external and 20 marks for *Viva Voce* examination.
12. As per the recommendation the content of each paper will be updated before presenting to the Academic Council.

The revised course structure and the syllabi is up to the standard, hence unanimously approved the syllabi by all the members. The revised course structure and syllabi are enclosed as annexure.

SIGNATURE:

S.No	NAME		SIGNATURE
1	Dr. N. RAMESH	CHAIRMAN	 20/9/18
2	Dr. V. RAMASUBRAMANIAN	SUBJECT EXPERT	 20/9/18
3	Dr. P. SURESH	SUBJECT EXPERT	
4	Dr. K. EMMANUVEL RAJAN	UNIVERSITY REPRESENTATIVE	
5	Dr. S.KANNAN	SUBJECT EXPERT	
6	Dr. ARULSAM Y JEBANESAN	SUBJECT EXPERT	 20/9/18

7	Dr. JOSPINE SELVARAJ	MEMBER (INDUSTRIALIST)	S. Josephine.
8	Dr. M.P. SANTHI	MEMBER (UG Board of studies Chairman)	M.P. Santhi
9	Dr. P. NEELANARAYANAN	MEMBER	P. Neelanarayanan
10	Dr. K. SARAVANAN	MEMBER	K. Saravanan
11	Dr. V. RAMESH	MEMBER	V. Ramesh
12	Dr. A. BOOPATHY RAJA	MEMBER	A. Boopathy Raja
13	Dr. R. SUDHA	MEMBER	R. Sudha
14	Dr. C. RENUKA	MEMBER	C. Renuka
15	Dr. G. REVATHI	MEMBER	G. Revathi
16	MS. P. SIVABAKIYAM	MEMBER	P. Sivabakiyam
17	Dr. S. ELAVARASI	MEMBER (Alumni)	S. Elavarasi

K. Emmanuvel Rajan, PhD
Professor



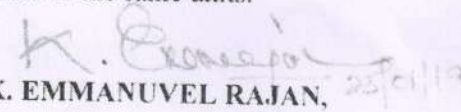
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Certificate

This is to certify that the Board of Studies meeting was held on 20.09.2018 at Department of Zoology, Nehru Memorial College (Autonomous) for M.Sc., Zoology program to be implemented from the Academic year 2019-2020. Due to other assignment with the university, I did not attend the meeting. However, based on the academic interest I am giving following suggestions to incorporate in the courses of M.Sc., Zoology program.

1. Choice based credit system should provide choice in core courses
2. Based on TNSCHE regulation there should be ten core course with classical zoology
3. There should be a correlation between teaching/ contact hours and number of credits. Core course should have more number of credits than elective or Non-major elective.
4. References should be updated; especially for some of the course content references are not provided. Please check the reference and update.
5. All the abbreviation should be spelled-out
6. Elective should be mentioned as Elective course not Core elective course
7. In few courses the unit title not matching with the content of the same units.


Dr. K. EMMANUVEL RAJAN,
Member,
PG Board of Studies
(University nominee)