

6. Dr. Jomon K.V

Asst. Professor Zoology
S.B College, Changanassery.

Jomon

7. Dr. Joe Prasad Mathew

Asst. Professor Zoology
S.B. College, Changanassery

Joe Prasad

8. Dr. Martin. J. Baber

Asst. Professor Zoology
S.B. College, Changanassery.

Martin

Boys Meeting started with the Chairman Dr. Jose D. Kaippahil welcoming the members of the committee. He briefed the committee members about overall structure regulations and highlighted the innovations incorporated during the restructuring of the syllabus. The introduction of a course in Wildlife Biology was emphasized during the remarks.

THE FOLLOWING RESOLUTIONS WERE MADE AND RATIFIED DURING THE MEETING UNANIMOUSLY

1. SEMESTER - I - The course title of Biodiversity & Biosystematics be changed to FUNDAMENTALS OF BIODIVERSITY.

Dr. Sanal Kumar's suggestion to include a brief introduction of BIODIVERSITY INDICES were ratified.

2. Collection and Preservation techniques to
(MODULE

be taught in a wider perspective without
restricting the studies to a few taxa
like Plankton, insect, fish & birds.

SEMESTER - II: Beneficial insects: Honeybee, lac insect, Silk insect
and studies on Pests of fruits and vegetables (Brief mention)
was suggested and ratified.

3. SEMESTER - III

Type studies in each Phylum (wherever mentioned) to

be restricted to Two instead of Three proposed
early.

4. In the PRACTICALS of the same course, Mouthparts
studies on Honeybee instead of cockroach
was ratified.

5. SEMESTER - IV

MODULE:

Traditional and recent trends to be incorporated in
the studies of common culturable fishes. Fresh water food
fishes of Kerala (Brief mention), and Prawn lobster
Fisheries instead of larval forms of crustaceans.

6. The reference text for the studies were suggested by
Jom. Jacob P.

7. Detailed Type Studies of Frog was omitted as per
the unanimous suggestion of the members.

SEM:

8. The Type studies on Rabbit was substituted by Type study on Man, to enable the UG students a better understanding of Human Anatomy & Physiology.

10. The following Topics were added (MODULE:
Frogs and Toads of Kerala (Brief Mention)
Migration in Birds
Birds of Kerala (Brief Mention)
Mammals of Kerala (Brief Mention)

11. Class: Mammalia was allotted 20 hours.

12. The Practicals of the course was suggested to be designed with emphasis on Human aspects, so the following Practicals were the evolution made.

1. Human Viscera
2. Human Digestive System
3. Respiratory System
4. Human Excretory System
5. Human Brain.

(The studies on Human Anatomy using Virtual Labs were satisfied.)

6. Osteology: of Human Vertebrae: Typical, Atlas, Axis, lumbar

7. Histology: Human Skin, Cartilage, Bone. to be included

SEM: 5.

COURSE:

MODULE:

B. The suggestion of Dr. Sanal Kumar to include aspects of Ageing was ratified.

14. Practical: Epithelial tissue: Squamous, Cuboidal, Columnar section studies.
Neuron.

15. COURSE: PERSPECTIVE IN ECOLOGY

MODULE: Ground Pollution / Pesticide Pollution, soil and land Pollution aspects.

PRACTICAL

16. Plankton comb of Marine and Freshwater to be incorporated in the Practicals.

COURSE: Biochemistry & Physiology.

Neurophysiology: Stress Physiology was added as a special topic to be studied in detail with emphasis on stress factors and stress adaptation.

SEM: 6.

Only subtle changes were recommended and all the suggestions were ratified.

The BOB meeting concluded with the committee members once again reaffirming the resolutions and the need for a greater importance on ~~the~~ applied aspects of the learned concepts.

The meeting concluded with the Chairman, Dr. Jose D. Kajjo thanking the members of the committee.

~~Dr. Jose D. Kajjo~~
Dr. Jose D. Kajjo

BOE (PG) ZOOLOGY, ST. BERTHMAN'S COLLEGE.

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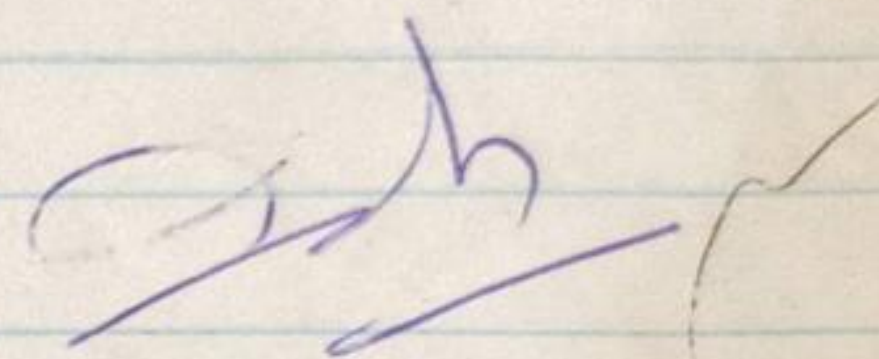
06.07.2015

MINUTES OF THE MEETING OF BOARD OF STUDIES IN
ZOOLOGY (PG) HELD ON 06.07.2015 AT 10:30 AM
IN THE DEPARTMENT OF ZOOLOGY, ST. BERTHMAN'S
COLLEGE, CHANGANASSERY.

MEMBERS PRESENT.

CHAIRMAN

1. DR. JOSE D. KAIPPAKIL
ASSOCIATE PROFESSOR, HEAD
DEPARTMENT OF ZOOLOGY



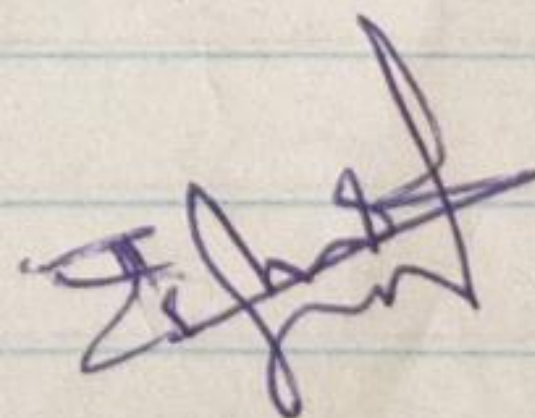
2. DR. AMBIKADEVI, SCIENTIST
REGIONAL RESEARCH STATION, KAU
KUNARAKOM

Ambika Devi

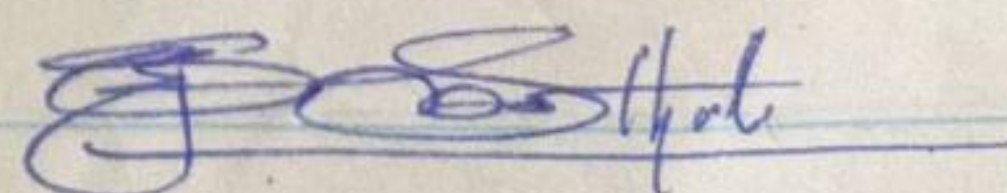
3. DR. PRADEEP, SCIENTIST
RGC B TRIVANDRUM



4. DR. M. G. PANALKUMAR
ASSOCIATE PROFESSOR
N. S. S. COLLEGE, PANDALAM



5. DR. SANTHOSH, SCIENTIST
INDIAN INSTITUTE OF SPICES RESEARCH
CALICUT



6. DR. JOHN T. KOCHERIL
ASSOCIATE PROFESSOR
ZOOLOGY, SB COLLEGE

John T.

7. DR. JOMAN K.V
ASST. PROFESSOR, ZOOLOGY
SB COLLEGE, CHANGANASSERY

John K.V.

8. DR. JOE PLASAD MATHEW
ASST. PROFESSOR, ZOOLOGY
SB COLLEGE CHANGANASSERY

Joe Mathew
6/4/15

9. DR. MONICHAN K.K
ASST. PROFESSOR, ZOOLOGY
SB COLLEGE, CHANGANASSERY.

Monichan

10. DR. MARTIN J. BABU
ASST. PROFESSOR, ZOOLOGY, SB COLLEGE.

Martin J.

Chairman BOS, (PG) Dr. Jose D. Kaippathy
welcomed the members and briefed the members of
(BOS) about the general structure of the syllabus and
the highlights of the proposed syllabus in M.Sc. Zoology.

THE FOLLOWING RESOLUTIONS WERE MADE AND RATIFIED
DURING THE MEETING: —

SEMESTER 1 - Course title changes and new
courses were suggested and the changed were
ratified.

To sync with the course structure, the course 'Genetics and Biotechnology' was included in the First Semester, and the course Evolutionary Biology & Biosystematics was shifted to the Second Semester. The committee members were unanimous in incorporating these changes, as this change could bring the important grounding in understanding the fundamentals of genetics and provide a framework for the subsequent understanding of the later courses in the subsequent Semesters.

A notable suggestion which was unanimously satisfied by the members of the board was the clubbing of 3 courses viz. Physiology, Reproductive Biology & Neurobiology into a single course titled 'Systems Biology'. The introduction of Systems Biology was an innovative step in the proposed M.Sc. Zoology Programme.

Semester - 2.

The need of the addition of ^{the word} 'Advanced' in the ^{Developmental} Biology course title was recommended and satisfied. 'Advanced Developmental Biology' encompasses the latest developments in the field of developmental biology. The course in Behavioural Biology was recommended and satisfied. This course was solely allotted ninety hours, emphasising the importance of whole organism studies. The course 'Evolutionary Biology & Animal Systematics' was to be introduced in this semester with subtle changes. As per the recommendations the semester will include 4 courses with titles: 1. Advanced Developmental Biology 2. Cell Biology & Molecular Biology 3. Behavioural Biology 4. Proteomics & Genomics.

1. Evolutionary Biology & Biosystematics

Semester - 2.

The highlight of this semester was the introduction of a new course 'Proteomics & Genomics'. The committee members suggested that as this course be innovative and keeping up with the changing scenario of the field. Further deliberations were suggested to frame the structure of ^{this} _{course}.

In addition, the proposed 'Ecology and Biodiversity' was suggested to be modified and to incorporate a module of Wildlife biology concepts. To fulfill the satisfactions his semester will include course with titles 1. Ecology & Biodiversity 2. Proteomics & Genomics 3. Parasitology & Immunology.

The second significant change was the introduction of a new course titled 'Parasitology and Immunology'.

Semester 3 & 4

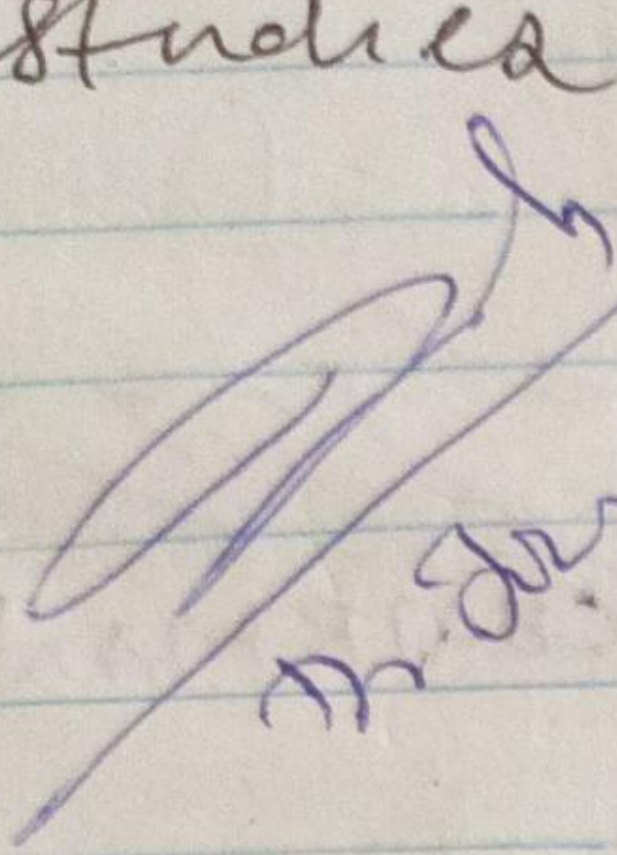
The courses in the semester were redesigned as

1. Morphology and Taxonomy
2. Anatomy & Physiology
3. Applied Entomology.

Subtle changes were incorporated in each course.

The committee members were unanimous in recommending that practical courses and Project works should complement the overall design of the proposed M.Sc. Zoology programme which aims to equip the student with a reductionistic and holistic approach, which could be very essential for student in understanding biology as it should be and learnt in the right perspective. ②

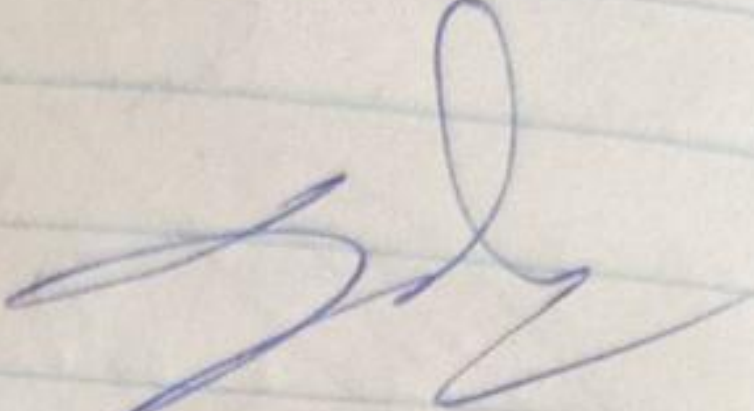
The meeting concluded with Dr. Jee Prasad
Mathew Member, BOS extending heartfelt thanks
to all the members of the Year Board of
Studies.


Dr. Jee Prasad Mathew

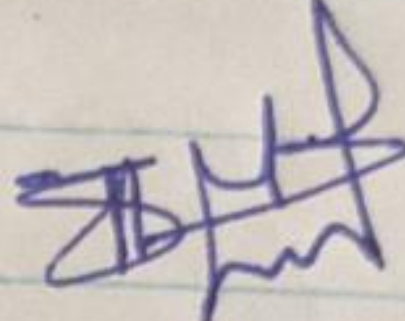
MINUTES OF THE MEETING OF THE BOARD OF STUDIES
IN ZOOLOGY (UG) HELD ON 13-05-2016 AT 3 PM
IN THE DEPARTMENT OF ZOOLOGY, ST. BERCHMAN'S
COLLEGE, CHANGANACHERY.

Members present :-

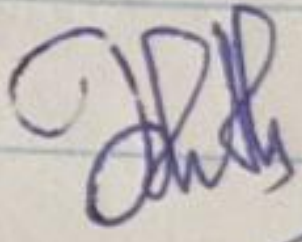
1. DR. JOSE D. KAIPPALLIL
Associate Professor & Head
Department of Zoology
St. Berchmans College, Changanacherry


CHAIRMAN

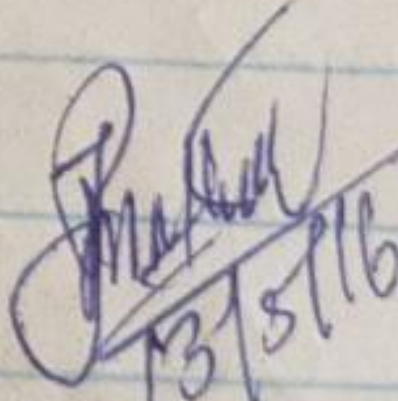
2. DR. M.G. SANJALKUMAR
Associate Professor, Zoology
N.S.S College, Pandanan



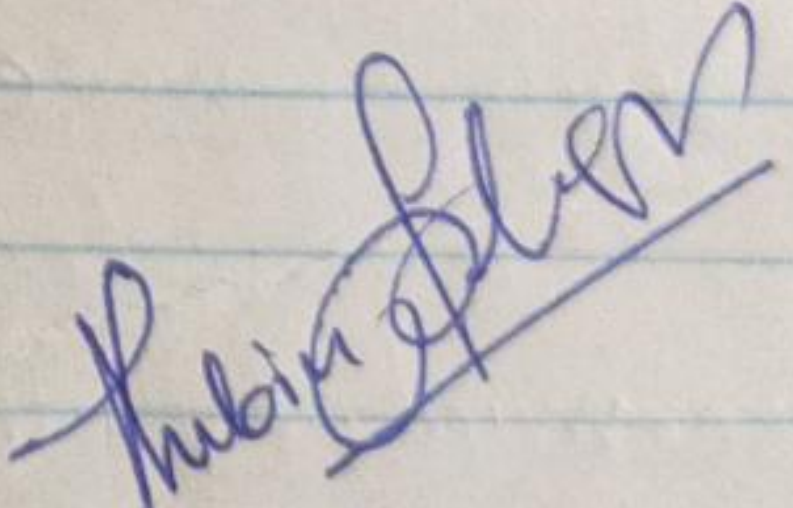
3. DR. JOHN T KOCHERIL
Associate Professor, Zoology
S.B College, Changanacherry


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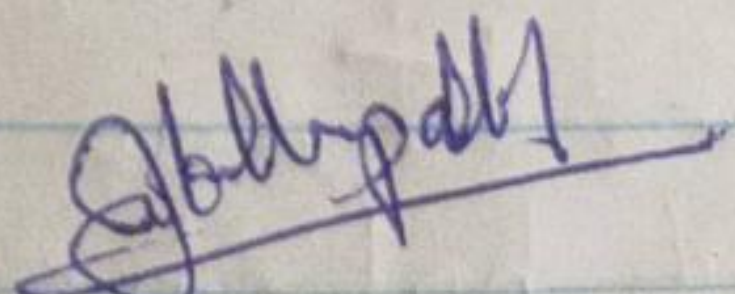
4. DR. JOE PRASAD MATHEW
Assistant Professor, Zoology
S.B College, Changanacherry


13/5/16

5. DR. RUBIN PHILIP
Assistant Professor, Zoology
S.B College, Changanacherry



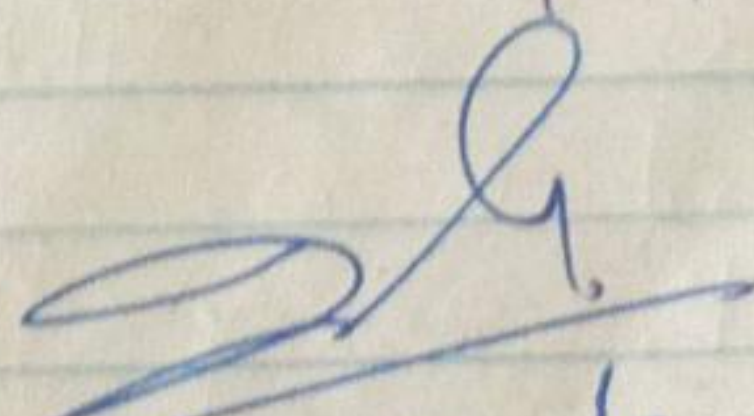
Dr. Soman KV
Asst Professor in Zoology
SB College



FOLLOWING RESOLUTIONS WERE MADE IN THE MEETING

1. The curriculum and syllabi for the Add-on course 'Ornamental Fishes and Aquarium Management' offered by Department of Zoology for other graduate programmes has approved.
2. Evaluation scheme for the project has accepted as follows:
 - External : 75 Marks
 - Internal : 25 Marks.
 - a) Components of internal evaluation.
 - i) punctuality - 5 marks
 - ii) ^{Relevance} novelty of the topic - 5 marks
 - iii) Review of literature - 5 marks
 - iv) Methodology (power point presentation) - 5 marks
 - v) Pre-submission report and ppt - 5 marks
 - b) Components of external evaluation
 - i) viva - 25 marks
 - ii) Relevance of study - 5 marks
 - iii) Objective - 5 marks.
 - iv) Review of literature - 10 marks
 - v) Methodology - 5 marks
 - vi) Results & discussion - 10 marks
 - vii) Bibliography - 5 marks
 - viii) Presentation - 10 marks

The meeting came to an end by 4.30 pm.


 Dr. J. S. K. Karpal
 CHAIRMAN - BOARD OF STUDIES

BOARD OF STUDIES (BOS) (UG), ZOOLOGY

22.11.2016

MINUTES OF THE MEETING OF THE BOARD OF STUDIES IN ZOOLOGY (UG) HELD ON 22.11.2016 AT 11 AM IN THE DEPARTMENT OF ZOOLOGY, ST. BERCHEMANS' COLLEGE CHANGANASSERY

1. Members present.

1. DR. JOSE D. KAIPALLIL
Associate Professor & Head
Department of Zoology
St. Berchmans College, Changanassery.

CHAIRMAN

2. John Jacob
Assistant Manager
Matsyafed, Kottayam.

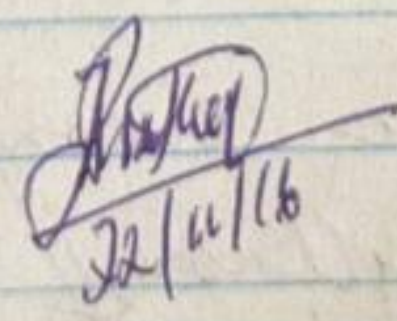
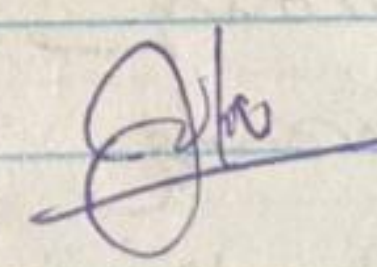
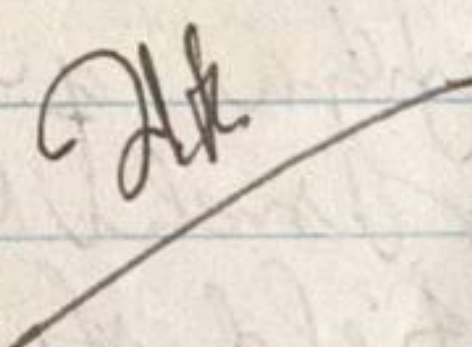
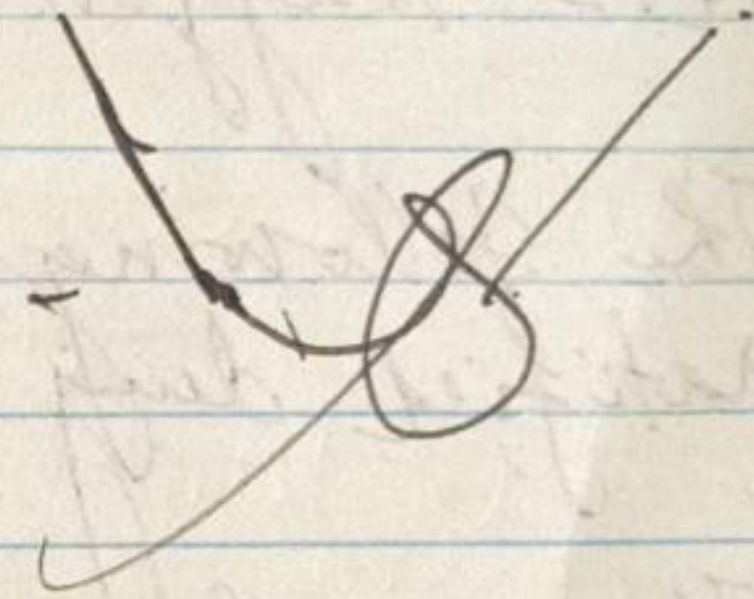
3. Dr. John T. Kocheril
Associate Prof, Zoology
S.B. College Changanassery.

4. Dr. Jomon K.V
Assistant Professor Zoology
S.B. College, Changanassery.

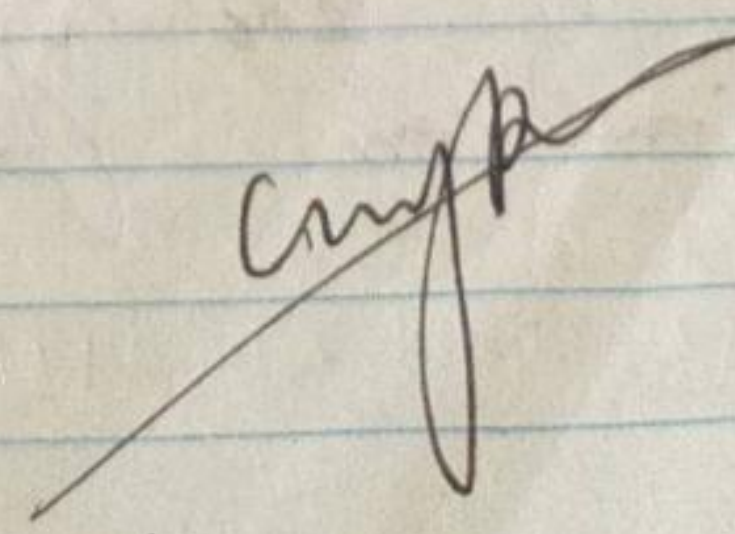
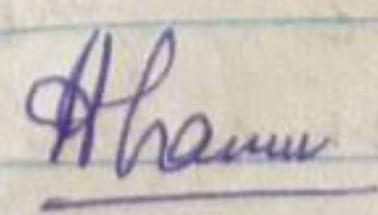
5. Dr. Joe Prabod Mathew
Assistant Professor Zoology
S.B. College, Changanassery.

6. Dr. Manichan K.K
Asst. Professor Zoology
S.B. College Changanassery

7. Dr. Martin J. Dada
Asst. Prof, Zoology
S.B. College, Changanassery.



22/11/16



Mr. Rubin Philip
 Assistant Professor, Zoology
 S.B. College, Chozhassery

Philip

Chairman (Bos. & Zoology) Dr. Joz. D. Kaipalli welcomed the BOS members and explained the agenda of the meeting. The syllabus for the Ornamental Fisheries & Aquarium Management - the add on course offered by the Department was placed before the members for their suggestions.

The following resolutions were made and ratified during the meeting.

1. The suggestion put forward by Mr. John Jacob that the design of the course should be made in a way such that the thrust should be more on field studies, visits and hands on training sessions to impart enthusiasm and interest towards the course. The members were unanimous in ratifying the same.
2. Chayan was incorporated in the theory and the practical syllabus of the course.
 Topics like the identification of male and female ornamental fishes were to be added in the practical sessions.
3. Five hours of teaching was allotted for the theory session on Breeding of Ornamental fishes.

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4. Because of practical difficulties in learning the practical session on common diseases of Aquarium fishes were incorporated into the theory sessions.

5. Aquascaping topic was also to be added onto the theory part of the course. Their duration theory examination has to be conducted with 50 marks in total.

The BOD meeting concluded by 1 PM by the word of thanks from the Chairman, Dr. Jon D. Rajalli to all the members of BOD.

BOARD OF STUDIES (BOS) in ~~33~~ ZOOLOGY

(CONCLUDING SESSION)


22.05.18

MINUTES OF THE MEETING OF THE BOARD OF STUDIES IN ZOOLOGY HELD ON 22.05.2018 AT 11:AM IN THE DEPARTMENT OF ZOOLOGY ST. BERTHMAN'S COLLEGE, CHANGANASSERY.

1. Members present: —

Dr. Joe Prasad Mathew
Asst. Prof. Head
Department of Zoology
St. Berthman's College
Changanassery.

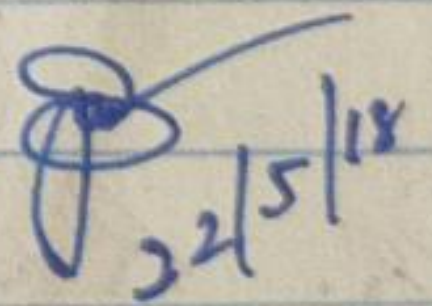
CHAIRMAN


22/5/18

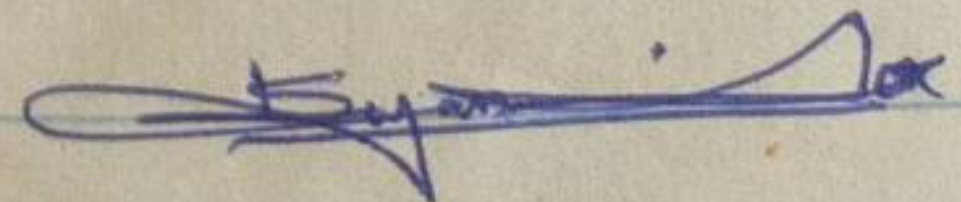
2. Dr. Pradeep Kumar
Scientist, IBCB
Trivandrum



3. Dr. Senthosh ^J ~~K~~ Eapen
Indian Institute of Spices Research
Calicut


22/5/18

4. Dr. Sajan Jose K.
Formerly Associate Prof
St. Joseph's College
Moolanattom



5. Dr. ~~John~~ K. V. V.
Asst. Prof. Zoology
S.B. College, Chandy

John

6. Dr. Menichan J. K.
Asst Prof Zoology
S.B. college

Menichan

7. Dr. John . T. Kocheril
Asst Prof Zoology
S.B. college

John

8. Mr. Philip Litto Thomas
Asst. Prof Zoology
S.B college

~~Philip~~

9. Dr. Martin. J. Bomba
Asst. Prof, Zoology
S.B college

Martin

10. Dr. Rubin Philip
Asst Prof, Zoology
S.B college

Rubin

The meeting began with a silent prayer. After which the newly elected Chairman of the BOGS Dr. Joe Ponnad Mathew welcomed the gathering. He formally credited the Board of Studies members for their whole hearted cooperation and timely helps over the period of the tenure.

The following resolutions were made during the meeting.

The suggestion to reduce the content of MSc. Biochemical course of PG Zoology was unanimously satisfied. Topics could in the Undergraduate level are to be avoided or given as a pre requisites to the students.

The meeting highlighted the needs of 'Kanshal yojana' Programme by the Government to be popularised among the students, as Dr. Jaykesh J. Eapen the Board member suggested. The programme provides ample opportunities for students to gain hands on skills in different domains of life skill education.

For a hands on learning experience in DNA sequencing a course module in the Genomics course, the Board members mooted a crisp lecture day with the Expert Scientist from Rajiv Gandhi Centre of Biotechnology, Trirandur.

The options of Mendely reference as an extra credit choice for the post graduate students was unanimously supported. Suggestions

To merge it with the Bioinformatics course was mooted. However the Board members put the decision on hold.

Dr. Poadeptimms suggestion to change the title of the course from Parasitology to Discardology was seriously discussed, however decision was put pending.

The meeting also unanimously satisfied the measures taken to promote student participation in National Seminars and encouragement for oral presentations from their part.

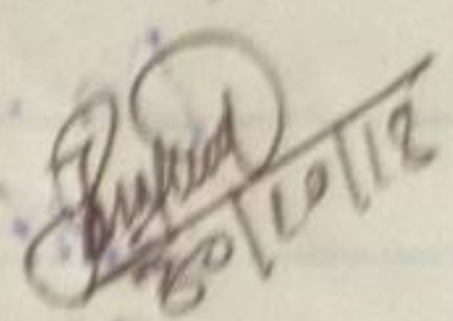
The meeting discussed the options of purchasing sophisticated equipments under different heads of the Funding from Government agencies.

The meeting concluded with the vote of Thanks by the Secretary Dr. Martin. J. Babu

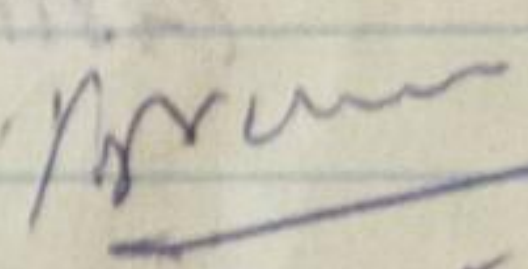
BOARD OF STUDIES (BOS) IN
ZOOLOGY - UNDERGRADUATE (UG) 30.10.18

Minutes of the meeting of the Board of
Studies in Zoology Periyar 30.10.2018
at 11:30 am in the Department of Zoology
St. Bernards College, Changanassery.

Members present : —————

1. Dr. Joe Prasad Mathew
Asst Prof & Head
Department of Zoology
SB college, Changanassery. Chairman

30/10/18

2. Dr. Nagendra Prabhu
Associate Professor
Department of Zoology
SB college, Alappuzha. JPP Hab 14
30/10/18

3. Dr. Bobby Jose
Associate Professor
Department of Zoology
Devagiri College
Kodimkode. 

4. Dr. Patrick David
Scientist
Periyar Foundation - Project Tiger
Periyar. Patrick David

Dr. Jyothi Babu
Scientist
CWC, Kochi

Jyothi Babu

Dr. John F. Kocheril
Associate Professor
EB College, Chng

John F. Kocheril

Dr. Tomon K.V
Asst. Prof
EB College, Chng

Tomon K.V

Dr. Menichan K.K
Asst Prof, EB College

Menichan K.K

Dr. Philip Lito Thomas
Asst Prof, EB College

Philip Lito Thomas

Dr. Martin J. Babu
Asst. Prof, EB College

Martin J. Babu

Dr. Rubin Philip
Asst. Prof, EB College.

Rubin Philip

Dr. Joe Prasad Mathew, Chairman (BOS) and Head of the Department, chaired the meeting and welcomed all the members to the BOS meeting. The members of the newly constituted were formally introduced. He briefed the members about the lay and lecturing tasks involved in the process of syllabic revision.

ITEM No: 1.

Verify the credits allotted for each course - practicals and theories:

The BOS considered the suggestions of Dr. Nagaraja Prabhu, BOS member to verify the credit allotments for practical and theory courses and ambiguity in the same were found in comparison to the other universities. The (BOS) approved the suggestion and resolved to study the matter at the earliest.

ITEM No: 2.

classification system to be followed in the Undergraduate Zoology studies: -

The Board decided to update the classification system followed in the Undergraduate Zoology syllabus to incorporate the latest revisions and additions if any.

ITEM No: 3.

Incorporate common ^{students} examples from the Animal world to enable a better Understanding.

Dr. Patrick suggested that common examples from the animal world should be included in the syllabus so that the students get a better connect with the examples to be studied. As per the suggestion in the 6th semester BOS approved Porcupine from the Rodentia order was to be substituted by Rattus/Bandicoot. BOS ratified the suggestion unanimously.

ITEM No: 4.

As per the suggestion Dr. Nayendra Prasad BOG member the an introductory session in (Practical session) in Basic Laboratory Practices and Basic Lab protocols was to be introduced in the UG Practical course.

BOG approved the suggestion unanimously.

ITEM No: 5

All references for the respective course to be updated with the recent text books and other reference materials. BOS ratified the suggestion.

ITEM No: 6

As per the suggestion of the BOG members Molecular taxonomy and related aspects is to be incorporated in the respective course of BOG approved the recommendation.

ITEM No: 7.

The BOS approved the recommendation to add the Research documentation and Dissertation from the semester V to semester I.

ITEM No: 8.

A title change in course Cell biology was mooted by the BOS. 'Ultrastructure of Cytoplasm (Mod. 3, Sem) to be changed.

ITEM No: 9.

BOS ratified the recommendation to include statistical software training in the practical course. BOS also approved the recommendation to buy the highly recommended reference book 'Statistics for terrified biologist' for the students.

ITEM No: 9.

The concept of Hardy-Weinberg Law presently included in the Evolutionary biology & zoogeograph course to be added to the Genetics - Practicals & theory courses.

ITEM No: 10.

Medical significance ^{aspects} of animals to be included in each phylum studies.

ITEM No: 11.

As per Dr. Boby Jon - BOB member suggestion each unit of the syllabus has to be specified clearly if it includes any wide broad topic. The example of Biome was cited by specifying the Biomes to be studied mentioned clearly in the syllabus. BOB approved the suggestion and confirmed that it will look into the syllabus to rectify the same.

ITEM No: 12.

BOB ratified the decision to incorporate studies on the rare blood group types to be included in the syllabus.

The BOB meeting concluded with a formal vote of thanks from the Chairman Dr. Joe Paray Mathew.

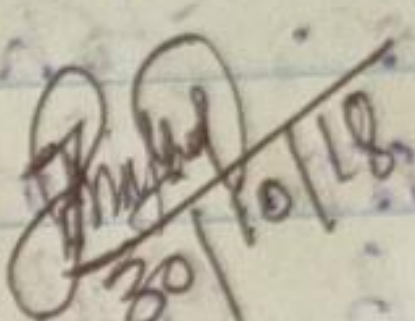
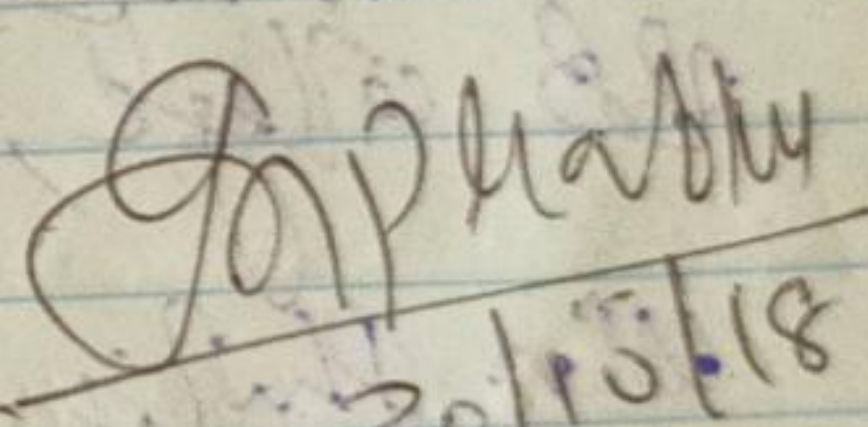
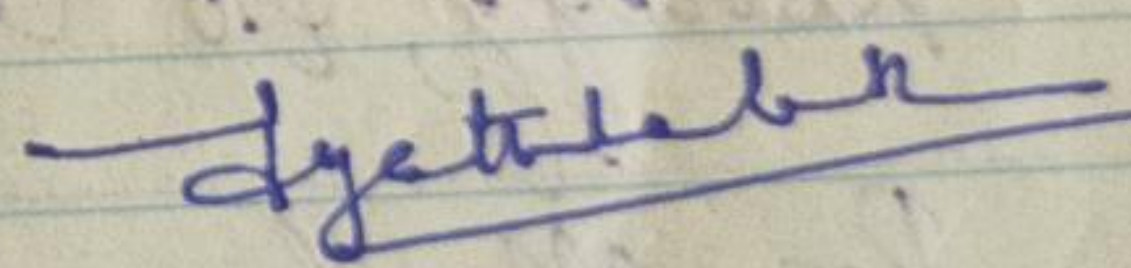
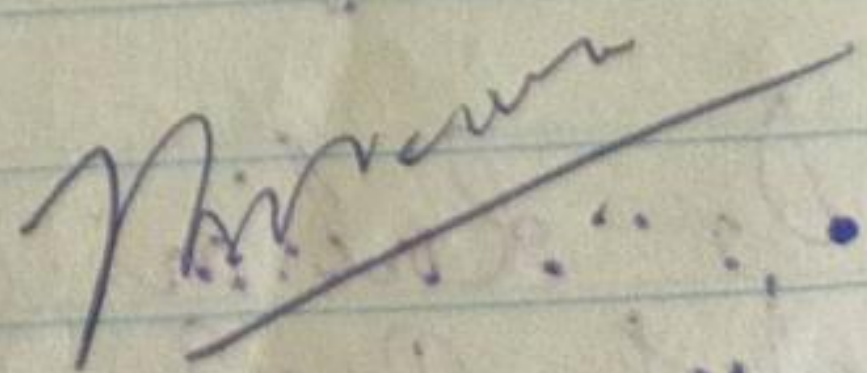
BOARD OF STUDIES (BOS⁴⁵) IN

ZOOLOGY - POST GRADUATE (PG)

30.10.2018

Minutes of the meeting of the Board of Studies in Zoology (PG) held on 30.10.2018 2:00 pm in the Department of Zoology, St. Bernards College Changanassery.

Members present : —

1. Dr. Subasood Mathew
Asst Prof. & Head
Dept. of Zoology
S.B College, Changanassery. Chairman

30/10/18
2. Dr. Nayandaa Prabhu
Associate Prof.
Department of Zoology
S.D College, Adappuzha. 
30/10/18
3. Dr. Jyothibabu
Scientist
NIO, Kochi 
4. Dr. Bobby Jose
Associate Prof.
Department of Zoology
Devagiri College
Kozhikode. 

5. Dr. Patrick David
Scientist
Periyar Foundation - Project Tiger
Periyar

Patents dir

6. Dr. Jomon K. V
Asst Prof
SB College, Choy

Skallanpally

7. Dr. John T. Kocheril
Asst. Prof
SB College, Choy

Choy

8. Dr. Monichan K. K
Asst. Prof
SB College,

Tham

9. Mr. Philip Lito Thomas
Asst. Prof
Zoology, SB College

Thpt

10. Dr. Martin. J. Soubu
Asst Prof. Zoology
SB College, Choy

Choy

11. Dr. Lubin Philip
Asst. Prof Zoology
SB College

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BOARD OF STUDIES (BOS) IN

47

ZOOLOGY - UNDERGRADUATE (UG)

Minutes of the meeting of the Board of Studies in Zoology (UG) held on 30.09.19 3:00pm in the Department of Zoology, St. Bede's College.

Members Present:

1. Dr. Joe Prasad Mathew CHAIRMAN
Asst. Prof & Head
Dept of Zoology
SB College
2. Dr. Tomon K.V
Asst Prof, SB College, Choy
3. Dr. John T. Kocheril
Asso. Prof, S.B. College, Choy.
4. Dr. Monichan K.K Mon
Asst. Prof, SB College Choy
5. Dr. Philip Lito Thomas Phil
Asst Prof SB College
6. Dr. Martin T. Babu Martin
Asst. Prof, S.B. College, Choy
7. Dr. Rubin Philip Rubin
Asst. Prof, SB College, Choy.

Members Absent: — DA. Nagendra Prabhu, Dr. Jyothi Babu,
Dr. Bobby Jose, Dr. Patrick David.

Agenda : — Amendments to the syllabus of
BSc. Industrial Microbiology & Zoology
program. Course : Genetics, Biotechnology &
Bioinformatics

The following resolution was made during the
meeting unanimously.

Changes in the contents of BBZ0611: Genetics,
Biotechnology & Bioinformatics course for
BSc. Industrial Microbiology & Zoology (Sem VI)
of (4 hrs/week; 3 credits): —

Biotechnology portions of the course 18 hours already
taught in the BSc. Industrial Microbiology &
Zoology course is omitted from

Biotechnology portions is omitted from BBZ0611

Genetics, Biotechnology Bioinformatics, and the
course is modified to 4 hours/week : 3 credit

With a course code of BBZ0615 - Genetics &
Bioinformatics for Semester VI BSc. Ind.
Microbiology & Zoology programme.

DR. JOE PRASAD MATHEW

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DR. JOHN T. KOCHERIA

DR. JAMON K.V

[Signature]

DR. MONIEHAN K K

[Signature]

DR. PHILIP LITTO THOMAS

DR. MARTIN T. BABU

PR. RUBIN PHILIP

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