

BOS (UG) MICROBIOLOGY, ST. BERCHMANS COLLEGE

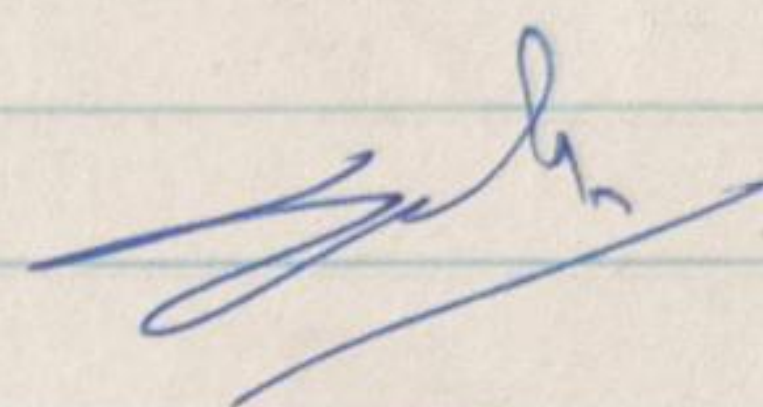
MINUTES OF THE MEETING OF THE BOARD OF STUDIES IN MICROBIOLOGY (UG) HELD ON 13.01.2015 AT 11:00 A.M. IN THE DEPARTMENT OF ZOOLOGY, ST. BERCHMANS COLLEGE, CHANGANACHERRY

MEMBERS PRESENT

1. DR. JOSE D KAIPPALLIL

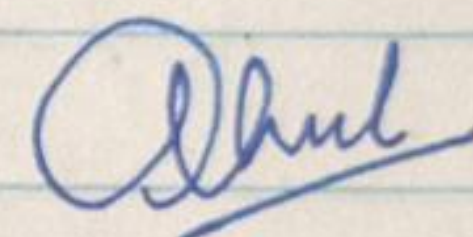
ASSOCIATE PROFESSOR & HEAD
DEPARTMENT OF ZOOLOGY
ST. BERCHMANS COLLEGE
CHANGANACHERRY

CHAIRMAN



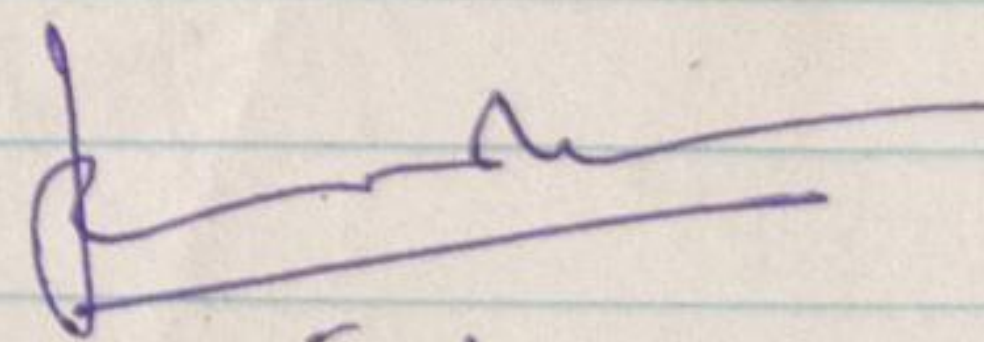
2. DR. JISHA MS

ASSOCIATE PROFESSOR
SCHOOL OF BIOSCIENCES
MG UNIVERSITY
KOTTAYAM



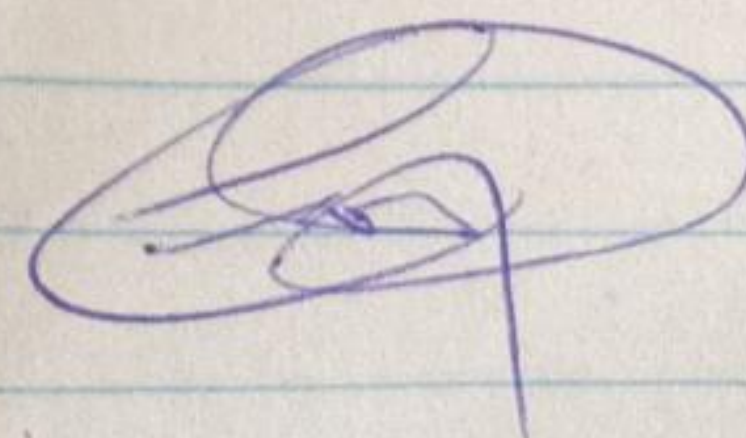
3. DR. RADHAKRISHNAN EK

ASST. PROFESSOR
SCHOOL OF BIOSCIENCES
MG UNIVERSITY
KOTTAYAM



4. DR. GIRILAL, M.

ADJUNCT FACULTY
INTEGRATED PLANT SCIENCE
SCHOOL OF BIOSCIENCE
MG UNIVERSITY, KOTTAYAM

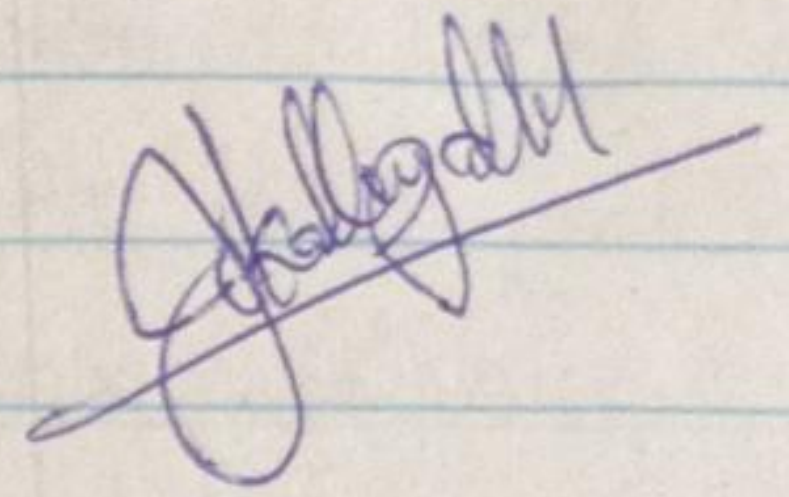


5. DR. JOMON K.V.

ASST. PROFESSOR

DEPT. OF ZOOLOGY

ST. BERCHMANS COLLEGE, CHANGANACHERRY



6. DR. MONICHAN K.K.

ASST. PROFESSOR

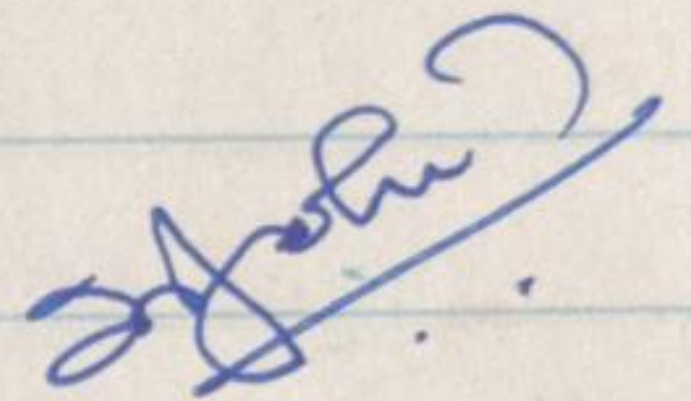
DEPT. OF ZOOLOGY

ST. BERCHMANS COLLEGE, CHANGANACHERRY

7. JEENA M JOHN

DEPT. OF MICROBIOLOGY

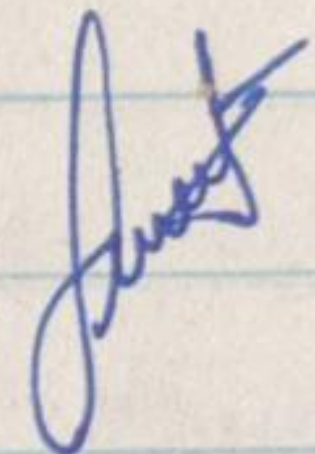
ST. BERCHMANS COLLEGE, CHANGANACHERRY



8 SWEETY K ENNACHERIL

DEPT. OF MICROBIOLOGY

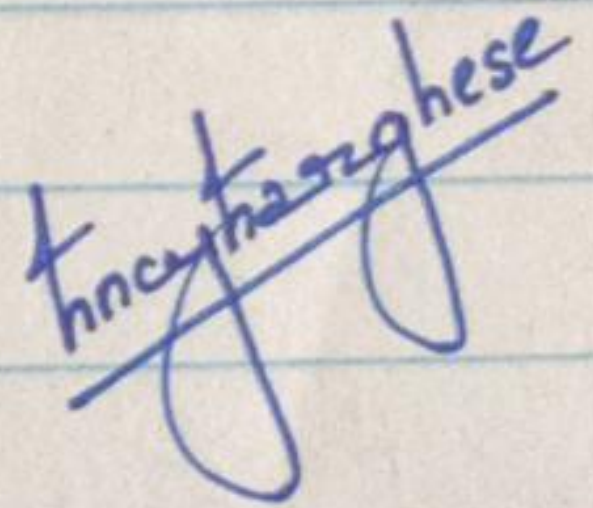
ST. BERCHMANS COLLEGE, CHANGANACHERRY



9 VINCY MARY VARGHESE

DEPT. OF ZOOLOGY

ST. BERCHMANS COLLEGE, CHANGANACHERRY



10 JULIE NADAYIL

DEPT. OF MICROBIOLOGY

ST. BERCHMANS COLLEGE, CHANGANACHERRY



BOS meeting started with the chairman Dr. Jose D. Kaippallil, welcoming the members of the committee. He briefed the committee members about the overall structure, regulations & highlighted the innovations incorporated during the restructuring of the syllabus.

THE FOLLOWING RESOLUTIONS WERE MADE & RATIFIED DURING THE MEETING UNANIMOUSLY

1. SEMESTER I

PAPER I - FUNDAMENTALS OF MICROBIOLOGY

Dr. Jomon KV & Dr. Monichan KK suggested to introduce title headings for each module.

Dr. Jisha MS instructed to change module 3 as module 5 & to change the heading of module 5 as Instrumentation.

Dr. Jisha MS & Dr. Radhakrishnan EK suggested to change structure & mode of action (Chloramphenicol & Penicillin) to mode of action in module 3.

Drug resistance was included in module 3 by Dr. Jisha MS.

Dr. Girisal introduced microdilution methods in module 3.

Module 4

Title Culture media & preparation was changed to culture media by Dr. Jisha MS & Dr. Radhakrishnan EK.

Culture collection techniques was included in culture preservation techniques

A split was made in the topic aerobic & anaerobic culture methods & was suggested to introduce it as separate subtopics as aerobic culture methods & anaerobic culture methods in the subtopic plating techniques & isolation of pure colonies.

Module 5 (corrections made by Dr Radhakrishnan EK)

Filtration apparatus was deleted

Instruments completely deleted from module 5

The title heading of module 5 was changed to Microscopy by Dr. Jisha MS & Dr Radhakrishnan.

Dr. Jomon KV suggested to introduce new citation texts in the references.

PAPER I - FUNDAMENTALS OF MICROBIOLOGY (PRACTICALS)

Practical No. 3 - The title cleaning & sterilization of glasswares was changed to Sterilization of glasswares.

pH meter was deleted from instrumentations by Dr. Radhakrishnan. Micrometer & haemocytometer was also deleted.

Antibiotic sensitivity test was included by Dr. Radhakrishnan.

Dr Radhakrishnan insisted to include latest editions in references.

PAPER II - MICROBIAL DIVERSITY

Module I of this paper has been shifted to Paper I as Module II. Comparison of prokaryotes & eukaryotes was deleted.

Module II of paper I (Principles of classification) was replaced to paper II as module I.

Module V was changed to module II & Archaeobacteria in module I was included in module II.

Module III was restructured & generalized as viruses & viroids & structure & replication of viruses were included by Dr. Jisha MS & Dr. Radhakrishnan EK.

Module IV was titled as fungi. Ultra structure of fungi was deleted & distinguishing characteristics of fungi was included.

Economic importance of fungi was shifted to the last of the module.

Module V was titled Algae

2. SEMESTER II

PAPER I - MICROBIAL PHYSIOLOGY

Module I was titled Microbial nutrition by Dr. Girish. Nutritional requirements was placed before nutritional types by Dr. Jisha MS. The topic nutritional types was changed to nutritional classification by Dr. Radhakrishnan EK. The order of contents was restructured in module II by Dr. Jisha MS & Dr. Radhakrishnan EK. Module II was titled as bacterial growth by Dr. Jisha MS. The heading counting of bacteria was renamed as enumeration methods. The topic viable & non viable counts were deleted. Module III contents were restructured. Module IV was titled microbial metabolism by Dr. Jisha MS. Breakdown of carbohydrates & respiratory pathway deleted. Contents of fermentation deleted. The contents of module V was restructured. Dr. Radhakrishnan suggested to include new references.

PAPER I - MICROBIAL PHYSIOLOGY (Practical)

Micrometer & haemocytometer deleted in the practicals of Fundamentals of Microbiology was included here.

PAPER II - IMMUNOLOGY

Antigenic determinants in module II deleted by Dr. Radhakrishnan. Dr. Radhakrishnan was assigned to restructure this paper by Dr. Jisha.

3. SEMESTER III

PAPER I - GENETICS & MICROBIAL BIOTECHNOLOGY

Enzymology of replication was deleted by Dr. Radhakrishnan from module I. A change was made in module III - i.e. recombination methods in bacteria. Molecular mechanisms of mutations was deleted from module II. Enzymes used in rDNA was shifted from module IV to module V. Introduction of the vector into a suitable host was deleted from module V. Production of recombinant products was deleted from module VI by Dr. Jisha.

This paper will be rearranged by Dr. Radhakrishnan.

PAPER I - GENETICS & MICROBIAL BIOTECHNOLOGY (Practical)

Bacterial plasmid was changed to Vector map by Dr. Radhakrishnan. Agarose Gel Electrophoresis was included as the third practical. Isolation of plasmid DNA included as the second practical. Fourth practical was changed to bacterial transformation. Fingerprinting technique was deleted.

The meeting was suspended for lunch break at 1:37 P.M. The meeting was restarted at 2:15 PM.

4. SEMESTER IV

PAPER II - BASICS OF INDUSTRIAL MICROBIOLOGY

Module 2 title was modified as Screening of Industrially Important Microorganisms.

General introduction, discovery of microbial world, discovery of anaerobic life, experiments of Pasteur, physiological significance of fermentation deleted from module I.

Screening & strain improvement shifted from module II to module I. Module II was restructured. ~~Structure of a typical batch fermentation~~ was shifted from module III to module II. Fermentation Media shifted from module III to module II. Module I was changed to module IV.

PAPER II - BASICS OF INDUSTRIAL MICROBIOLOGY (PRACTICALS)

Production of enzymes (amylase & protease) included as the second practical

PAPER I - MEDICAL MICROBIOLOGY

Fungal diseases - Brief account on mycotic poisoning ~~should be~~ ~~modified~~ from module 6. Diseases caused by different pathogens were deleted from module 3.

Module 3 was changed to module 2. Module 4 changed to module 3.

Module 2 changed to module 4.

PAPER III - FERMENTATION TECHNOLOGY

Module 2 was split as module 2 & 3.
Module 3 became module 4
Module 4 & 5 was combined as module 5.

PAPER III - FERMENTATION TECHNOLOGY (PRACTICAL)

Immobilization technique using cells by alginate beads was deleted. Cultivation of edible mushrooms was shifted to Food Microbiology Practicals.

5. SEMESTER V

PAPER I - FOOD MICROBIOLOGY

Module 3

Food produced by microbes was changed to microbial sole in production of.....

PAPER II - DAIRY MICROBIOLOGY (OPEN COURSE)

Pasteurization deleted from module I. Membrane processing storage, transportation & distribution of milk was also deleted.

6. SEMESTER VI

PAPER I - AGRICULTURAL MICROBIOLOGY & BIOFERTILIZERS

Paper Title was modified as Agricultural Microbiology.
Module I was restructured by Dr. Jisha. Biochemistry & physiology of nitrogen fixation; *nif* genes were included in module II. Module III modified as microbial diseases of plants. It was suggested to classify diseases into bacterial & fungal.
Module V was restructured.

PAPER I - AGRICULTURAL MICROBIOLOGY & BIOFERTILIZERS (PRACTICAL)

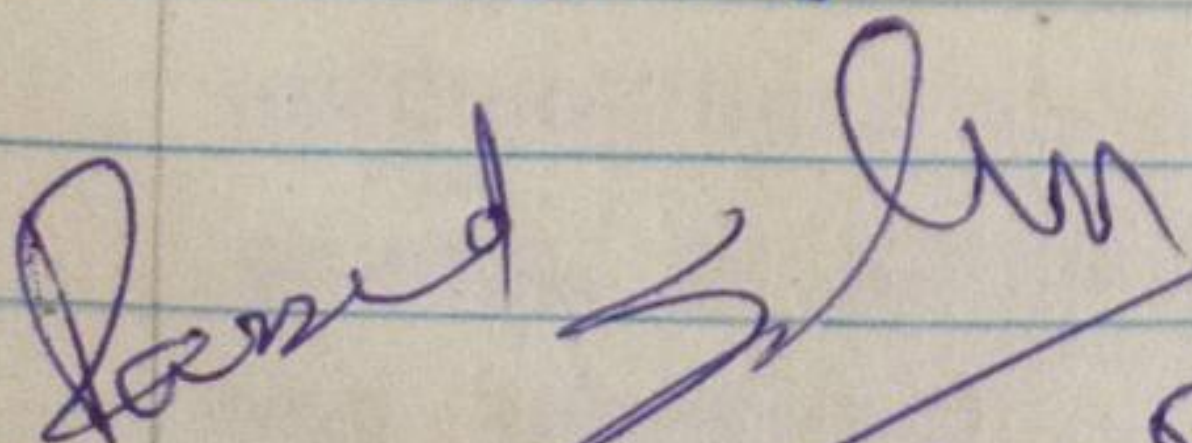
Title modified as that of theory paper.

The second practical was deleted & the third one was made as second. Morphological observation of rhizobium from root nodules was included as the third practical. The fifth one was modified ^{with} ~~as~~ calculation of RS ratio included with isolation of microorganisms from rhizosphere. The eighth practical was modified as study of symptoms of various plant diseases. Scandal spike, Tikka disease of groundnut was deleted & bunchy top disease of banana, Potato scab, phytophthora root rot of pepper were included. TMV also deleted.

PAPER II - MICROBIAL WASTE MANAGEMENT

Module 5 & 6 combined.

The committee has recommended for the conduction of practical exams in the respective semesters. The committee also insisted to send students for OJT to reputed institutes as proposed by the faculty members. The meeting was concluded with the above resolutions at 4:15 PM.


 Dr. J. O. Karwal
 Chairman

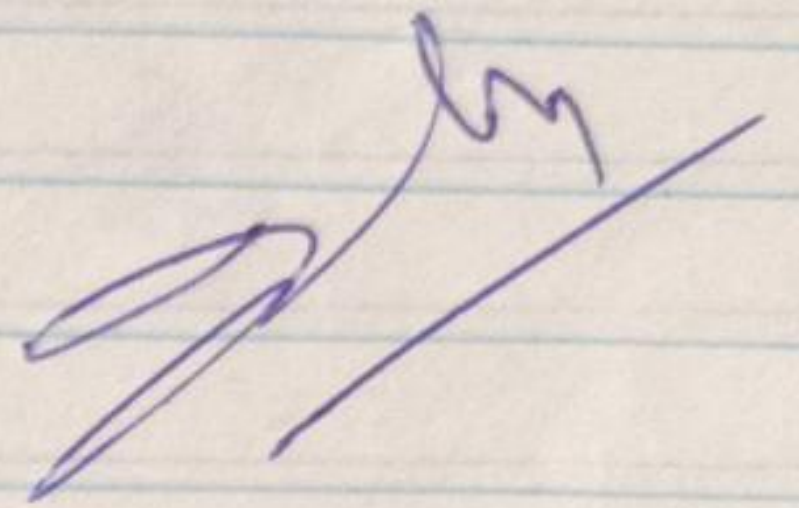
21

BOS (PG) MICROBIOLOGY, ST. BERCHMANS COLLEGE

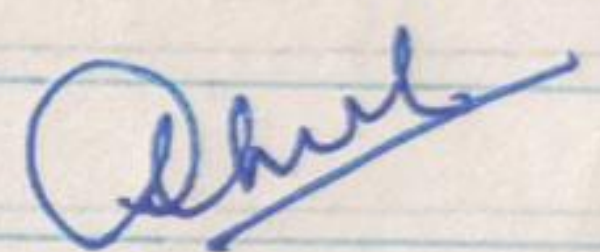
MINUTES OF THE MEETING OF THE BOARD OF STUDIES IN
MICROBIOLOGY (PG) HELD ON 09.04.2015 AT 11:30 A.M. IN THE
DEPT. OF ZOOLOGY, ST. BERCHMANS COLLEGE, CHANGANACHERRY

MEMBERS PRESENT

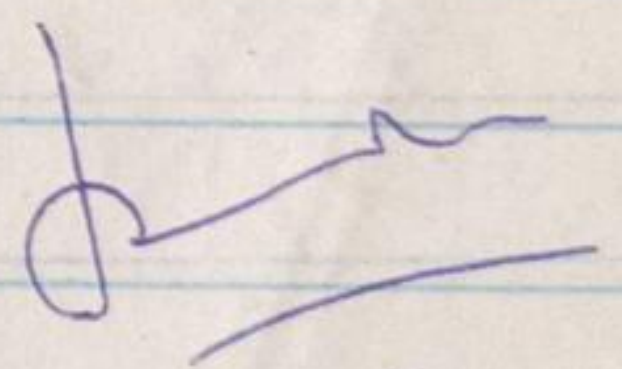
1. DR. JOSE D. KAIPPALLIL
ASSOCIATE PROFESSOR & HEAD
DEPT. OF ZOOLOGY
ST. BERCHMANS COLLEGE
CHANGANACHERRY



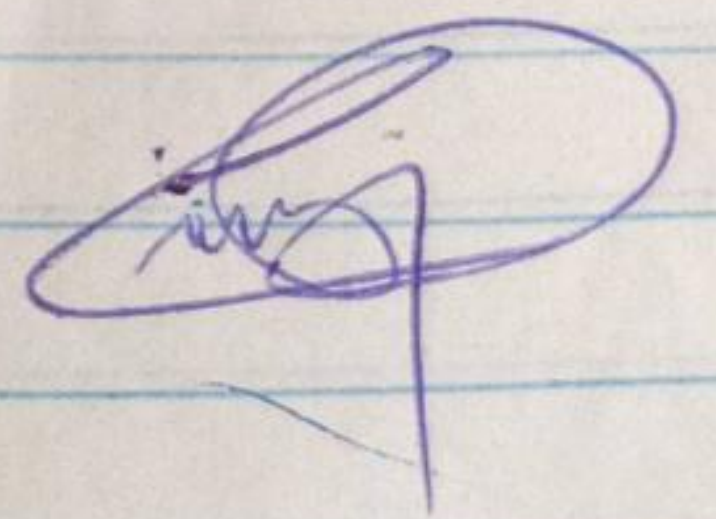
2. DR. JISHA MS
ASSOCIATE PROFESSOR
SCHOOL OF BIOSCIENCES
MG UNIVERSITY
KOTTAYAM



3. DR. RADHAKRISHNAN EK
ASST. PROFESSOR
SCHOOL OF BIOSCIENCES
MG UNIVERSITY
KOTTAYAM



4. DR. GIRILAL, M.
ADJUNCT FACULTY
INTEGRATED PLANT SCIENCE
SCHOOL OF BIOSCIENCES
MG UNIVERSITY
KOTTAYAM



5. DR. JOMON, K.V.
ASST. PROFESSOR
DEPT. OF ZOOLOGY
SB COLLEGE, CHANGANACHERRY

J. Jomon

6. JEENA M JOHN
DEPT. OF MICROBIOLOGY
SB COLLEGE, CHANGANACHERRY

J. Jeena M John

7. SWEETY K ENNACHERIL
DEPT. OF MICROBIOLOGY
SB COLLEGE, CHANGANACHERRY

S. Sweety K Ennacheril

8. JIJI JACOB
DEPT. OF MICROBIOLOGY
SB COLLEGE, CHANGANACHERRY

J. Jiji Jacob

9. VINCY MARY VARGHESE
DEPT. OF ZOOLOGY
SB COLLEGE, CHANGANACHERRY

V. Vincy Mary Varghese

10. ANJU SUSAN JOY
DEPT. OF ZOOLOGY
SB COLLEGE, CHANGANACHERRY

A. Anju Susan Joy

11. JULIE NADAYIL
DEPT. OF MICROBIOLOGY
SB COLLEGE, CHANGANACHERRY

J. Julie Nadayil

BOS meeting started with the co-ordinator Dr. Jomon, K.V. welcoming the members of the committee. He briefed the committed members about the overall structure, regulations & highlighted the innovations incorporated during the restructuring of the syllabus.

THE FOLLOWING RESOLUTIONS WERE MADE & RATIFIED DURING THE MEETING UNANIMOUSLY

SEMESTER I - Schemes

Dr. Jisha MS suggested to introduce microbiology paper in Semester I. The Biophysics paper of Semester I was shifted to Semester II. The credits of Systemic Bacteriology was made 4 & that of viva voce as 2. Dairy microbiology was introduced as an elective paper in Semester 3 instead of Marine microbiology. Environmental science was introduced as a new elective in Semester 3. Bioprocess technology was introduced as a new elective in Semester 4.

Semester I

Biochemistry - Functional groups & reaction mechanisms were deleted from Unit 1. Structure, classification, properties & reactions of amino acids & proteins were included in Unit 4. Protein sequencing was included; Ramachandran plot & p53 & its role in cancer was deleted from Unit 4. Structure of purines & pyrimidines & rRNA were included in Unit 5. Vitamins were removed & shifted to Physiology paper.

General Microbiology

- Other latex topic was deleted from Unit 3.
- DNA repair deleted from Unit 5.

Cell Biology & Genetics

- Genomes deleted from Unit 1.
- Dr. Radhakrishnan insisted to restructure the entire paper.

Physiology & Biostatistics

- Revision required.

Semester II

Immunology

- No suggestions. Paper restructured by Dr. Radhakrishnan.

Molecular biology

- DNA linking number deleted from Unit 1
- his & gal operons deleted from Unit 2
- Eukaryotic gene regulation included.
- Unit 3 was reduced.

- Blotting techniques & AGE, PAGE deleted & introduced into Biophysics paper.

- Revise the paper on the basis of hour allotment.

- History of rRNA technology & Cohen & Boyer patents deleted from Unit 4
- TA cloning deleted from Unit 4

Biophysics

- Photosystems deleted from Unit 1 & Blotting techniques included in Unit 4.

Semester III

Food Microbiology & Quality Assurance

- Food additives, canning & heat treatments deleted from Unit 1. Fermented milk & milk products included in Unit 3.
- Hurdle effect included in Unit 5.

Industrial Microbiology

- Combine unit 4 & 5 & to introduce dairy microbiology as a unit.

- Unit 1 was reduced & combined with unit 2. Unit 3 was split & the first part was included in Unit 2. Biowaste & biosensors included in Unit 5.

Environmental & Agricultural devices

- The committee suggested to include any 3 diseases in phytopathology in Unit 3. Cultural practices were avoided in Unit 4.

Nanobiotechnology

- Paper will be restructured by the committee.

Systematic Bacteriology

- Unit 1 & 2 to be deleted & the rest of the contents are to be rearranged.

- Slow viral & prion disease deleted from Unit 4.

Virology, Mycology & Protozoology

- Unit ^{& 3} 1 deleted

- Features & classifications of protozoans deleted from Unit 5

- Molds & association with other organisms deleted from Unit 4

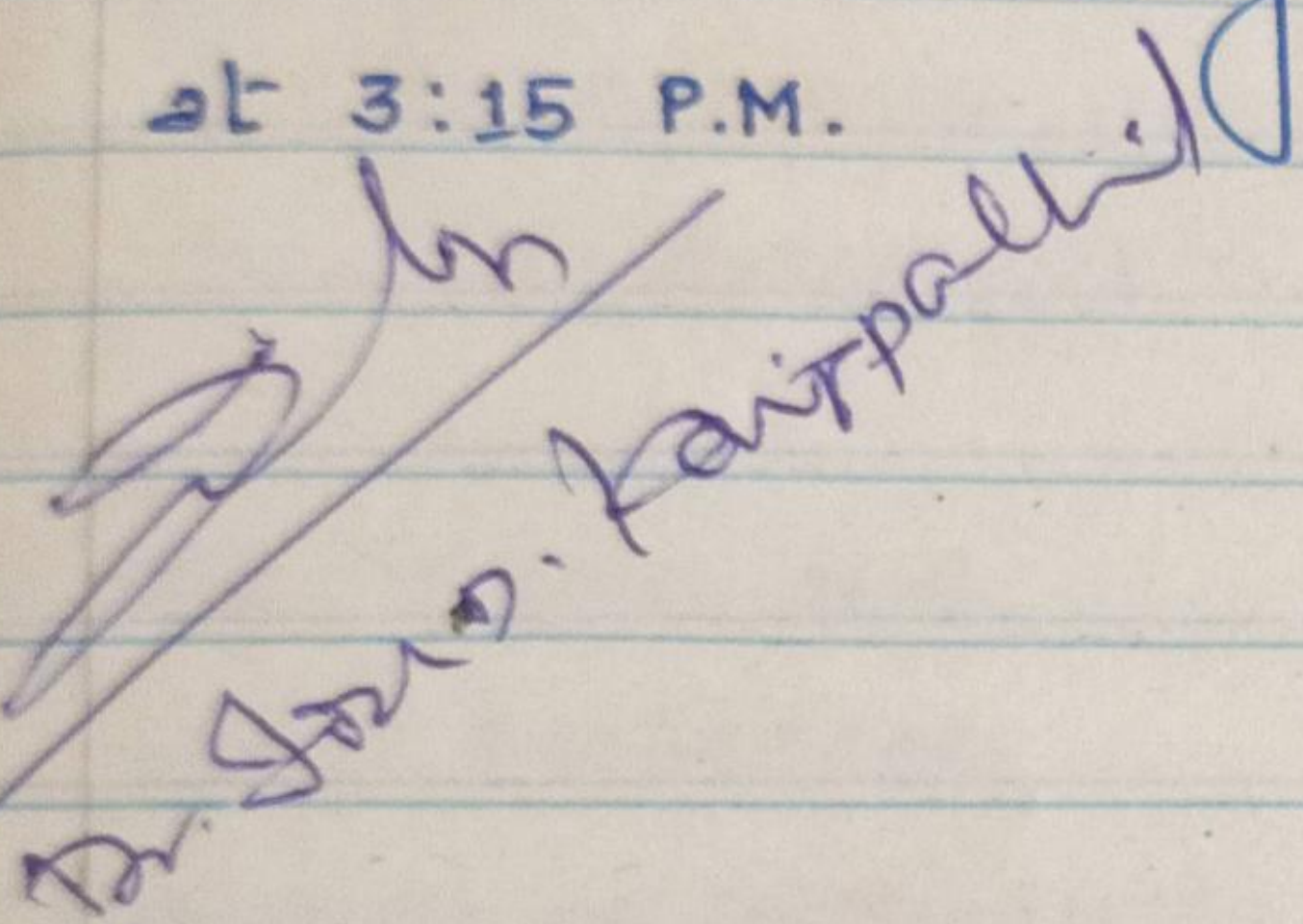
- Paper should be elaborated.

Clinical Microbiology

- Unit 1 to be included in the above paper.

- Practicals - Immobilization techniques included in Food & Industrial Microbiology.
- Winogradsky column included.

The meeting was concluded with the above resolutions at 3:15 P.M.

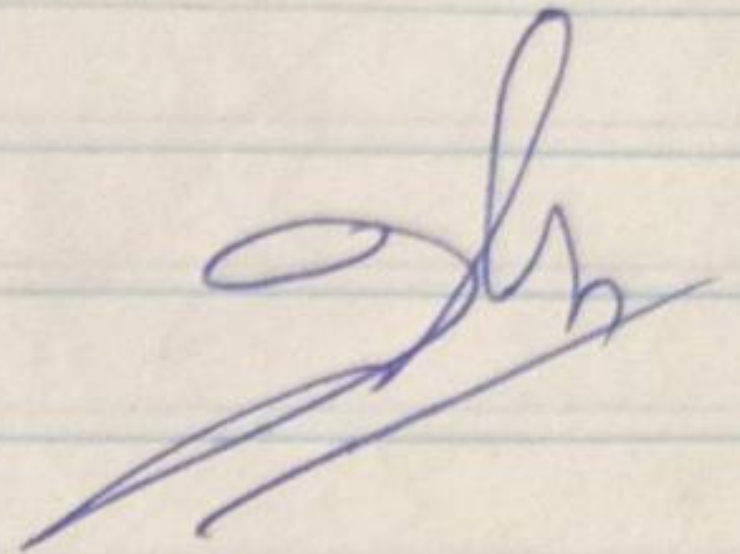

Dr. S. S. Kairappalli

33

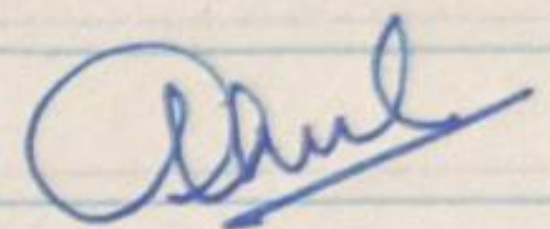
BOS (PG) MICROBIOLOGY, ST. BERCHMANS COLLEGE

MINUTES OF THE MEETING OF THE BOARD OF STUDIES IN
MICROBIOLOGY (PG) HELD ON 10.05.2016 AT 11:30 A.M. IN THE
DEPT. OF ZOOLOGY, ST. BERCHMANS COLLEGE, CHANGANACHERRY
MEMBERS PRESENT

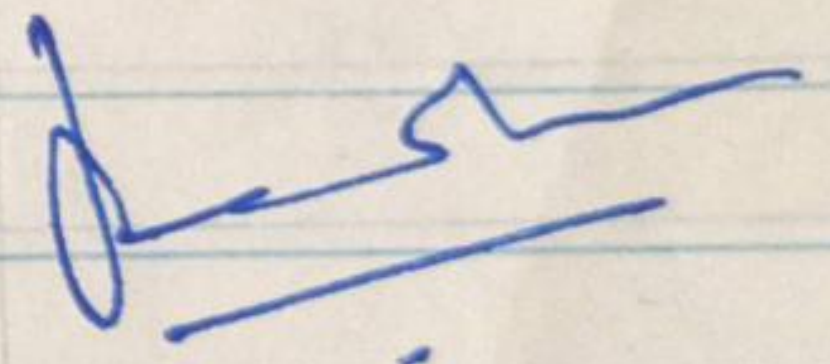
1. DR. JOSE D KAIPPALLIL
ASSO. PROFESSOR & HEAD
DEPT. OF ZOOLOGY
ST. BERCHMANS COLLEGE
CHANGANACHERRY



2. DR. JISHA M.S.
ASSO. PROFESSOR
SCHOOL OF BIOSCIENCES
MG UNIVERSITY
KOTTAYAM



3. DR. RADHAKRISHNAN EK
ASST. PROFESSOR
SCHOOL OF BIOSCIENCES
MG UNIVERSITY
KOTTAYAM



4. DR. JOMON K.V.
ASST. PROFESSOR
DEPT. OF ZOOLOGY
SB COLLEGE

5. JEENA M JOHN
DEPT. OF MICROBIOLOGY
SB COLLEGE

Jeena M John

6. SWEETY K ENNACHERIL
DEPT. OF MICROBIOLOGY
SB COLLEGE

Sweety K Ennacheril

7. JIJI JACOB
DEPT. OF MICROBIOLOGY
SB COLLEGE

Jiji Jacob

8. DR. VINCY MARY VARGHESE
DEPT. OF ZOOLOGY
SB COLLEGE

Vincy Mary Varghese

9. JULIE NADAYIL
DEPT. OF MICROBIOLOGY
SB COLLEGE

Julie Nadayil

Chairman

BOS meeting started with the chairman Dr. Jose D. Kaipallil welcoming the members of the committee.

THE FOLLOWING RESOLUTIONS WERE MADE & RATIFIED DURING THE MEETING UNANIMOUSLY

I Question pattern has been revised

- Two mark questions are made all compulsory without any choice & to be answered in two or three sentences.
- Short essay type questions to be answered in 2 pages.

The committee suggested to provide a regulation to question paper setters regarding:

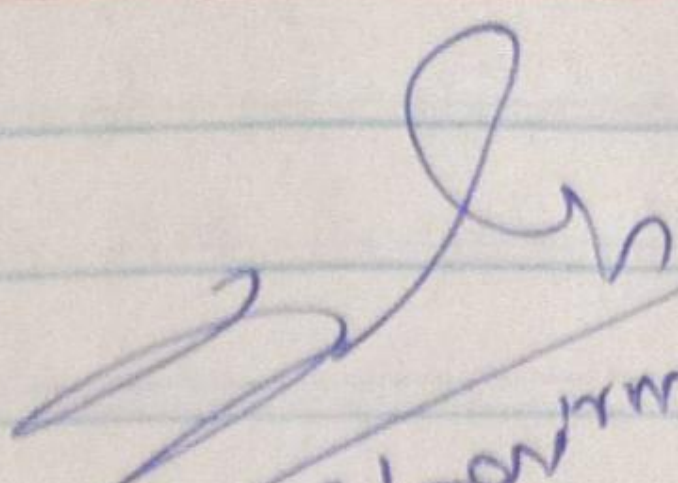
- 2 mark questions — Two questions from each unit
- 5 mark questions — minimum one question from each unit & optional questions from unit 1 & 2
- Long essay questions — questions from Unit 2 - 5

II The committee suggested 50:50 Mark system

III Project Evaluation (Revised)

The project instructions to be included in the syllabus & to be provided to the concerned authority.
Project internal (Revised).

IV Course viva (revised)

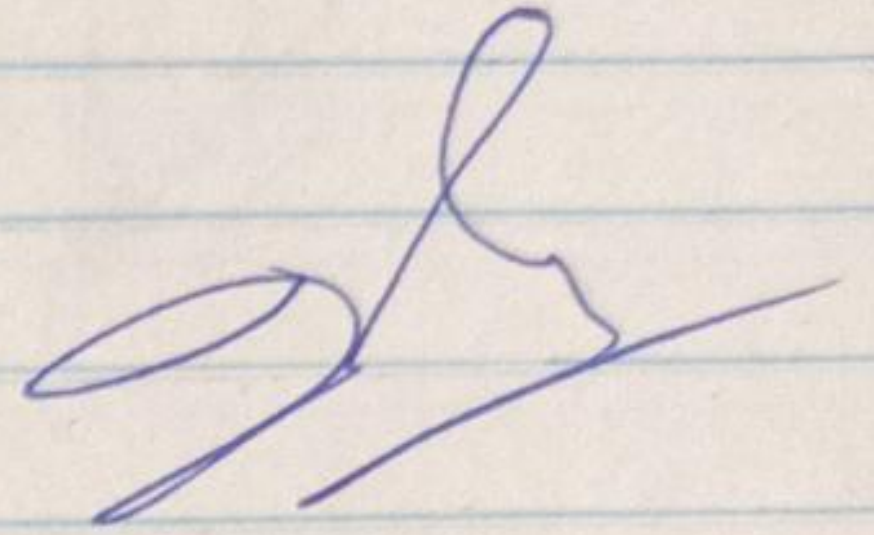

Chairman

BOS (UG) MICROBIOLOGY, ST. BERCHMANS COLLEGE

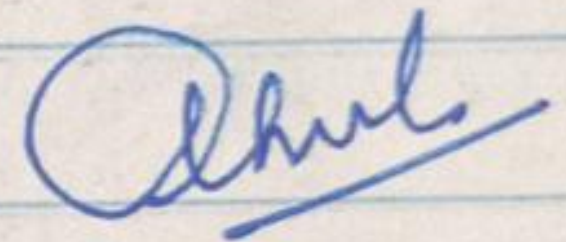
Minutes of the meeting of the board of studies in microbiology (UG) held on 10.05.2016 at 12:30 AM in the Dept. of Zoology, St. Berchmans College, Changanacherry.

Members Present

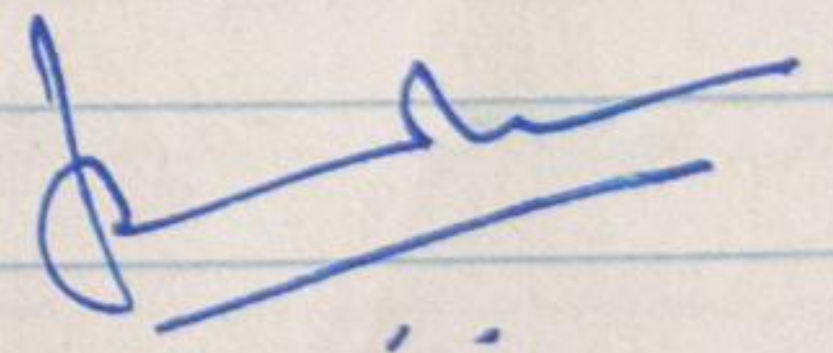
1. Dr. Jose. D. Kauppallil
Asso. Professor & HOD
Dept. of Zoology
SB College
Changanacherry



2. Dr. Jisha M.S.
Asso. Professor
School of Biosciences
MG University
Kottayam



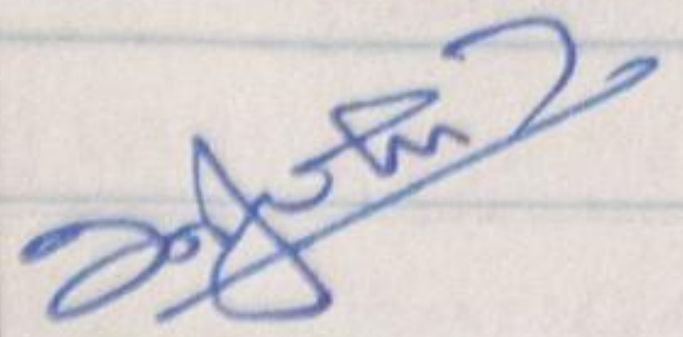
3. Dr. Rathaksushnan E.K.
Ass. Professor
School of Biosciences
MG University
Kottayam



4. Dr. Monchan K.K
Asst. Professor
Dept. of Zoology
SB College

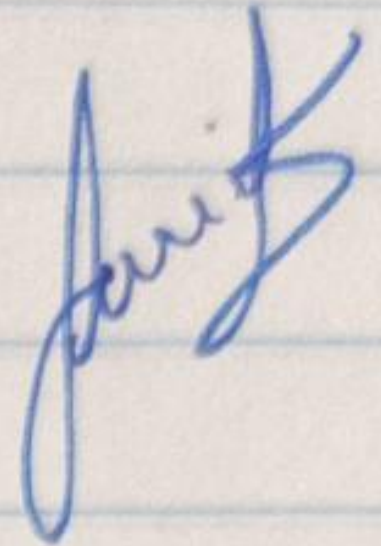
Jeena M John

Dept. of Microbiology
SB College



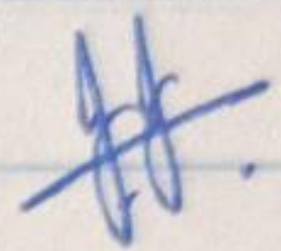
Sneety K Ennacheeril

Dept. of Microbiology
SB College



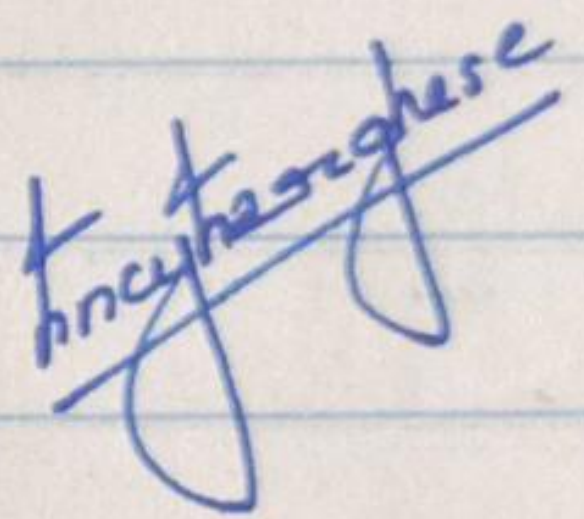
Jiji Jacob

Dept of Microbiology
SB College



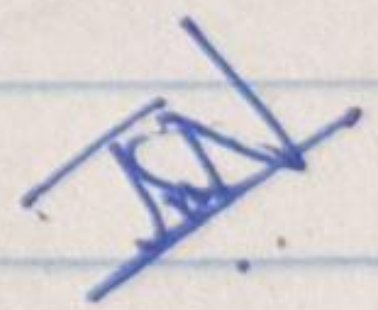
Dr. Vincy Masuy Varghese

Dept. of Zoology
SB College



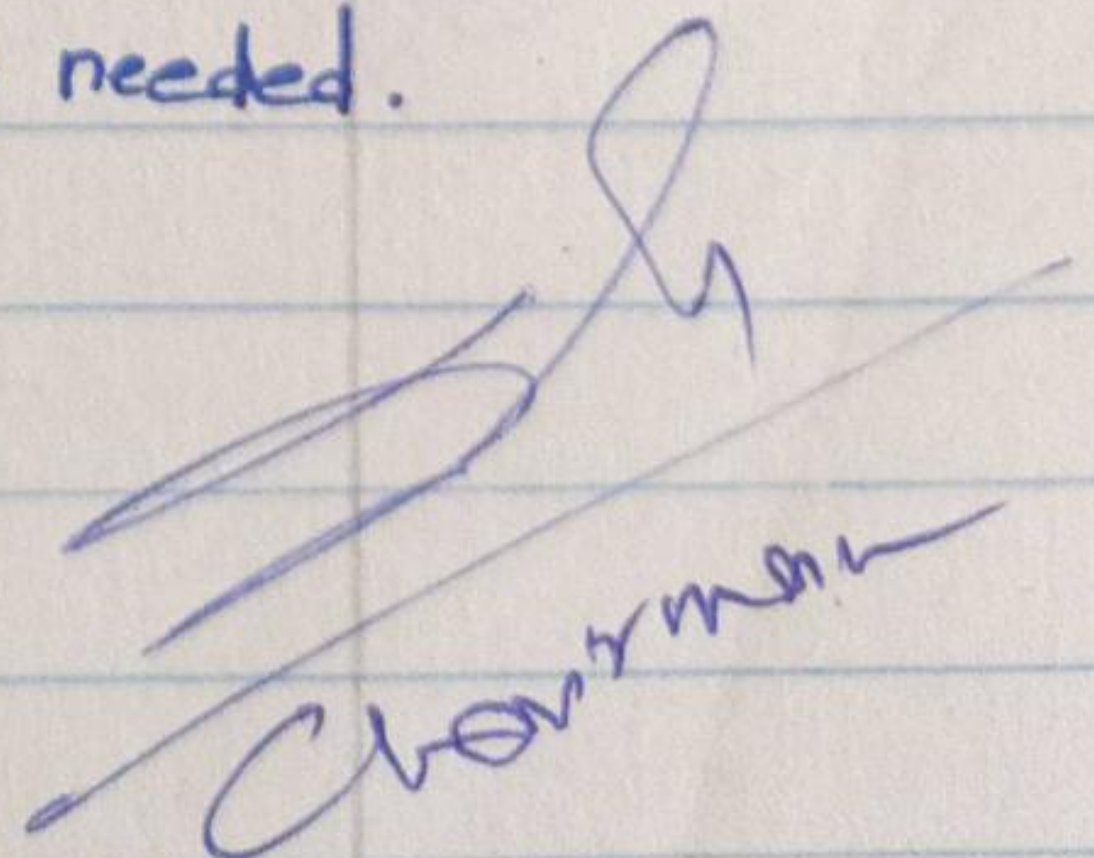
Julie Nardayil

Dept. of Microbiology
SB College



Syllabus verified & no modification needed.

Approved as such.



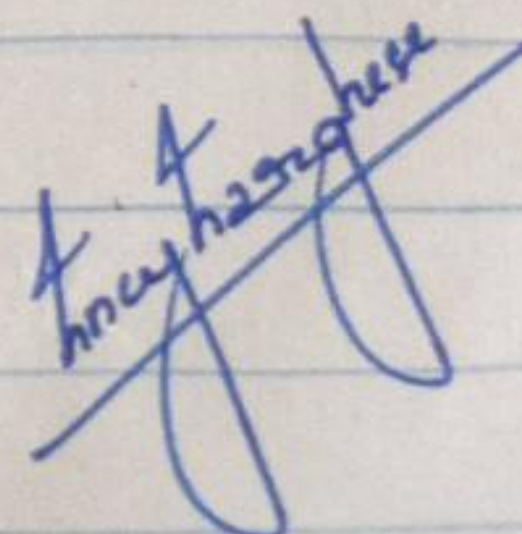
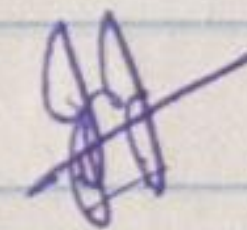
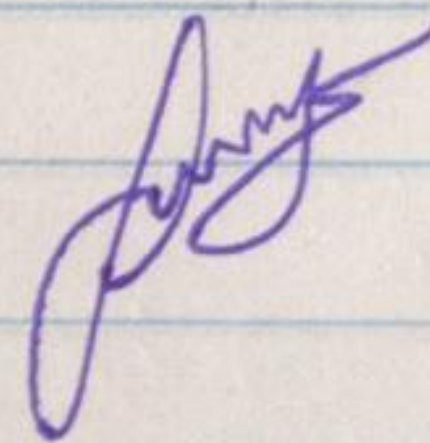
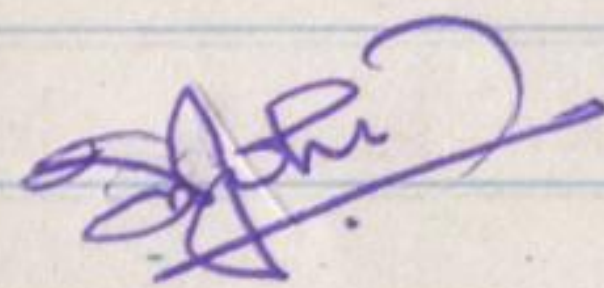
Chairman

BOS [PG] MICROBIOLOGY, ST. BERCHMANS COLLEGE

MINUTES OF THE MEETING OF THE BOARD OF STUDIES IN
MICROBIOLOGY (PG) HELD ON 16.11.16 AT 11:30 A.M. IN THE
DEPT. OF ZOOLOGY, ST. BERCHMANS COLLEGE, CHANGANACHERRY

MEMBERS PRESENT

- 1) DR. JOSE D. KAIPPALLIL
ASSO. PROFESSOR & HOD
DEPT. OF ZOOLOGY
ST. BERCHMANS COLLEGE
CHANGANACHERRY
- 2) DR. JOMON K.V.
ASST. PROFESSOR
DEPT. OF ZOOLOGY
SB COLLEGE
- 3) MRS. JEENA M JOHN
DEPT. OF MICROBIOLOGY
SB COLLEGE
- 4) MRS. SWEETY K ENNACHERIL
DEPT. OF MICROBIOLOGY
SB COLLEGE
- 5) MRS. JIJI JACOB
DEPT. OF MICROBIOLOGY
SB COLLEGE
- 6) DR. VINCY MARY VARGHESE
DEPT. OF ZOOLOGY
SB COLLEGE



7) AKSHARA RATHEESH BABU
DEPT. OF MICROBIOLOGY
SB COLLEGE

Ambar

AGENDA

To evaluate the existing syllabus

The Board of Studies meeting commenced with welcoming the committee members by the Chairman Dr. Jose D. Kaippallil, HOD, Dept. of Zoology, SB College. He briefed the committee members about the overall structure & regulations.

The BOS decided to continue the existing syllabus without any revision.

The meeting was concluded with the above decision by 12:30 P.M.

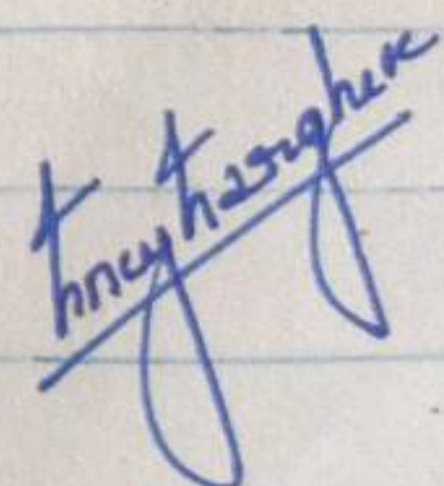
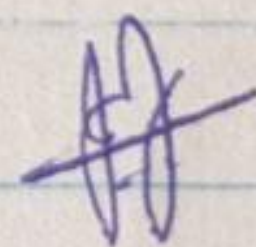
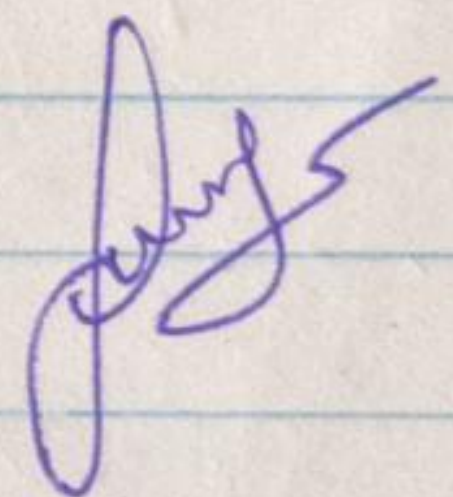
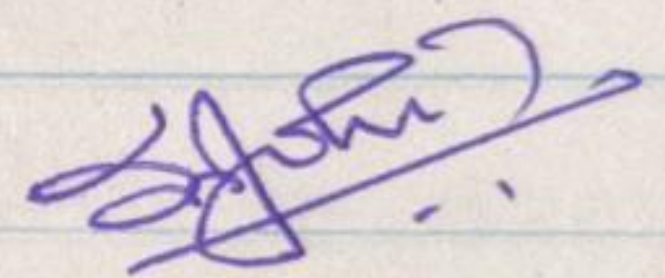
49

BOS [UG] MICROBIOLOGY, ST. BERCHMANS COLLEGE

MINUTES OF THE MEETING OF THE BOARD OF STUDIES IN
MICROBIOLOGY (UG) HELD ON 16.11.16 AT 12:30 P.M. IN THE
DEPT. OF ZOOLOGY, ST. BERCHMANS COLLEGE, CHANGANACHERRY

MEMBERS PRESENT

- 1) DR. JOSE D. KAIPPALLIL
ASSO. PROFESSOR & HOD
DEPT. OF ZOOLOGY
SB COLLEGE
- 2) DR. MONICHAN K.K.
ASST. PROFESSOR
DEPT. OF ZOOLOGY
SB. COLLEGE
- 3) MRS. JEENA M JOHN
DEPT. OF MICROBIOLOGY
SB COLLEGE
- 4) MRS. SWEETY K ENNACHERIL
DEPT. OF MICROBIOLOGY
SB COLLEGE
- 5) MRS. JIJI JACOB
DEPT. OF MICROBIOLOGY
SB COLLEGE
- 6) DR. VINCY MARY VARGHESE
DEPT. OF ZOOLOGY
SB COLLEGE



7) MRS. AKSHARA RATHEESH BABU
DEPT. OF MICROBIOLOGY
SB COLLEGE

Akshara

AGENDA

To evaluate the existing syllabus

The BOS meeting started with welcoming the members of the committee by Dr. Jose D. Kappalil. The chairman briefed the committee members about the overall structure & regulations.

The BOS decided to continue the existing syllabus without any revision.

The meeting was concluded with the above decision by 1:30 P.M.

ST. BERCHMANS COLLEGE
CHANGANACHERRY
(AUTONOMOUS)

MEETING OF THE BOARD OF STUDIES (PG)

DATE : 11.5.17.

TIME : 11:00 A.M.

VENUE : SEMINAR HALL, DEPT. OF ZOOLOGY

AGENDA

To evaluate the existing syllabus

The BOS meeting started with welcoming the committee members by the chairman Dr. Jose D. Kaippallil. He briefed the committee members about the overall structure & regulations. The BOS planned to revise the existing syllabus in the next BOS.

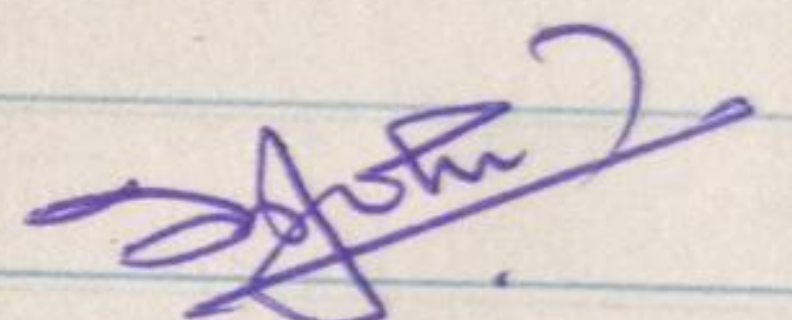
The meeting was concluded with the above decision by 12:30 P.M.

MEMBERS PRESENT

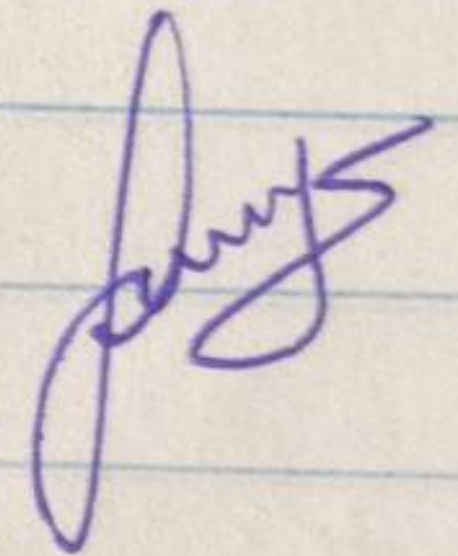
1) Dr. Jose D. Kaippallil
Asso. Professor & HoD
Dept. of Zoology
SB College

2) Dr. Jomon K.V.
Ass. Professor
Dept. of Zoology
SB College

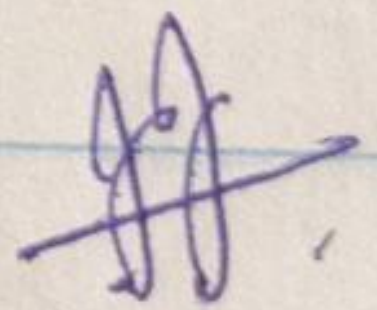
3) Mrs. Jeena M John
Dept. of Microbiology



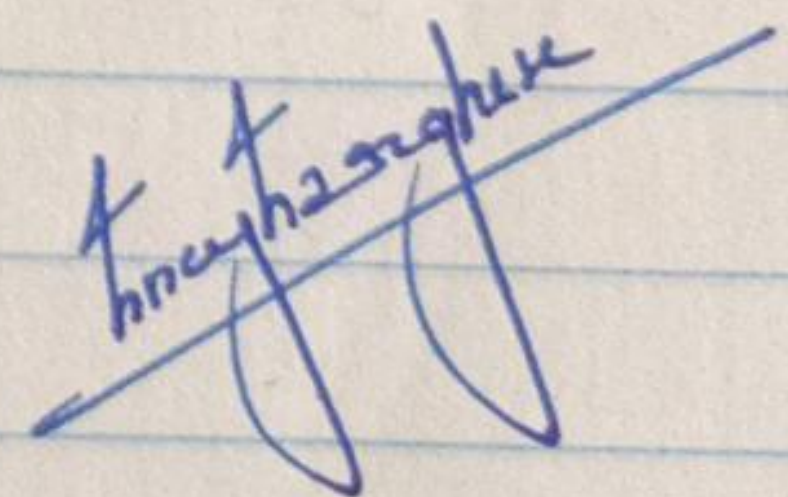
4) Mrs. Sweety K Ennachenai
Dept. of Microbiology



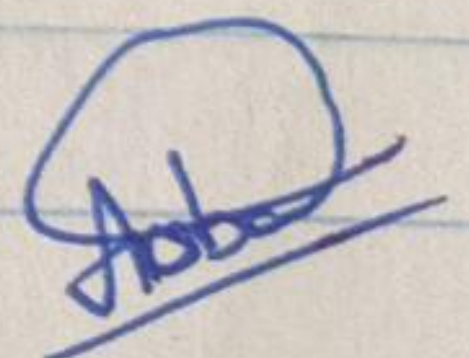
5) Mrs. Jiji Jacob
Dept. of Microbiology



6) Dr. Vincy Mary Varghese
Dept. of Microbiology



7) Mrs. Akshara Ratheesh Babu
Dept. of Microbiology



57

BOS [UG] MICROBIOLOGY, ST. BERCHMANS COLLEGE

MINUTES OF THE MEETING OF THE BOARD OF STUDIES IN MICROBIOLOGY (UG) HELD ON 11.5.2017 AT 11:30 A.M. IN THE DEPT. OF ZOOLOGY, ST. BERCHMANS COLLEGE, CHANGANACHERRY

MEMBERS PRESENT

1. DR. JOSE D. KAIPPALLIL
ASSO. PROFESSOR & HOD
DEPT. OF ZOOLOGY
ST. BERCHMANS COLLEGE
CHANGANACHERRY

2. DR. MONICHAN K. K.
ASS. PROFESSOR
DEPT. OF ZOOLOGY
ST. BERCHMANS COLLEGE

3. MRS. JEENA M JOHN
DEPT. OF MICROBIOLOGY

4. MRS. SWEETY K ENNACHERIL
DEPT. OF MICROBIOLOGY

5. MRS. JIJI JACOB
DEPT. OF MICROBIOLOGY

6. DR. VINCY MARY VARGHESE
DEPT. OF MICROBIOLOGY

7. MRS. AKSHARA RATHEESH BABU
DEPT. OF MICROBIOLOGY

John

Sweety

Jiji

Vincy

Akshara

AGENDA

To evaluate the existing syllabus.

The BOS meeting started with welcoming the members of the committee by the chairman Dr. Jose D. Kaippallil. He briefed the committee members about the overall structure & regulations. The BOS planned to revise the existing syllabus in the next board of studies.

The meeting was concluded with the above decision by 1:30 P.M.

BOS (UG) MICROBIOLOGY

Minutes of the meeting of the Board of Studies in Microbiology (UG) held on 21-12-17 at 11:30 AM in the Dept. of Zoology, St. Berchman's College, Changanacherry.

Agenda.

To evaluate the existing syllabus.

The BOS meeting started with welcoming the committee members by the chairman Dr. Jose D. Kaippallil. He briefed the committee members about the overall structure & regulations. The BOS planned to revise the existing syllabus in the next board of studies.

The meeting was concluded with the above decision by 1:30 pm.

Members Present.

1. Dr. Jose D. Kaippallil (Chairman)
Asso. Professor & H.O.D
Dept. of Zoology
S.B. College
Changanacherry
2. Dr. Monichen K.K.
Ass. Professor
Dept. of Zoology
S.B. College
Changanacherry

3. Ms. Teena M. John
Asst. Professor
Dept. of Microbiology & Biochemistry
S.B. College, Chry.

Teena

4. Ms. Sweety K. Ennacheril
Asst. Professor
Dept. of Microbiology & Biochemistry
S.B. College, Chry.

Sweety

5. Ms. Siji Jacob
Asst. Professor,
Dept. of Microbiology & Biochemistry
S.B. College, Chry.

Siji

6. Dr. Viney Mary Varghese
Dept. of Microbiology & Biochemistry

Viney Varghese

7. Ms. Akshara Ratheesh Babu
Dept. of Microbiology & Biochemistry.

Akshara

BOS (PG) MICROBIOLOGY

Minutes of the meeting of the Board of Studies in Microbiology (PG) held on 21-12-17 at 11:30 am in the Dept. of Zoology, S.B. College, Changanacherry.

Agenda

To evaluate the existing syllabus.

The BOS meeting started with welcoming the committee members by the chairman Dr. Jose D Kaippallil. He briefed the committee members about the overall structure & regulations. The BOS planned to revise the existing syllabus in the next board of studies.

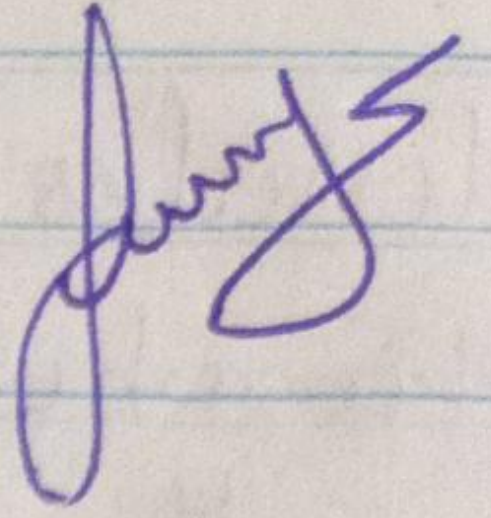
The meeting was concluded with the above decision by 1:30 pm.

Members Present:

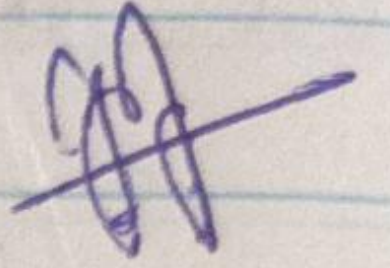
1. Dr. Jose D. Kaippallil (Chairman)
Asso. Professor & H.O.D.
S.B. College, Chry.
2. Dr. Jomon K. V.
Assistant Professor
Dept. of Zoology
3. Ms. Geena M. John
Asst. Professor
Dept. of Microbiology

(Signature)

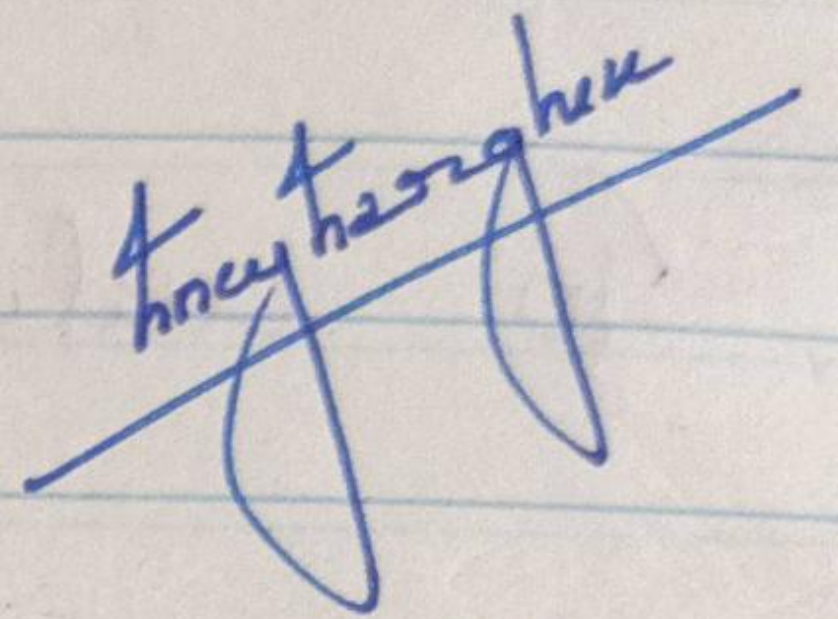
4. Ms. Sweeny K. Ennaicheil
Asst. Professor
Dept. of Microbiology



5. Ms. Siji Jacob
Dept. of Microbiology



6. Dr. Vinay Mary Vaghese
Dept. of Microbiology



7. Ms. Akshara Ratheesh Babu
Dept. of Microbiology



BOS (PG) MICROBIOLOGY

Minutes of the meeting of the Board of Studies in Microbiology (PG) held on 2.05.2018 at 10:30 am in the Dept. of Zoology, S.B. College, Changanacherry.

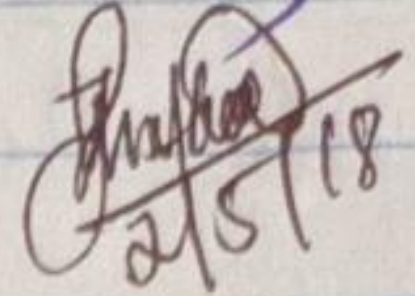
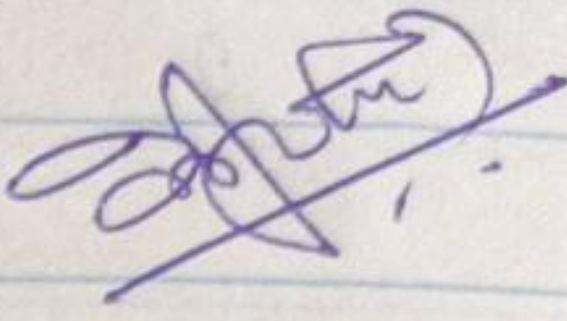
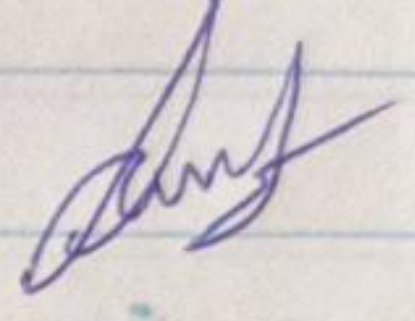

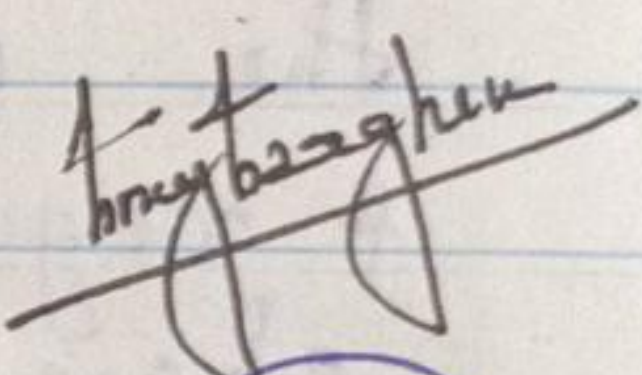
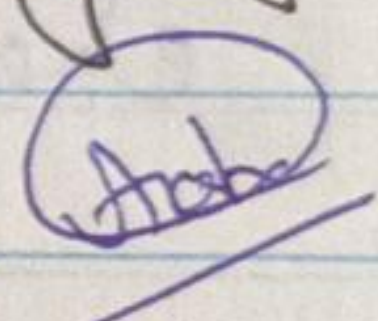
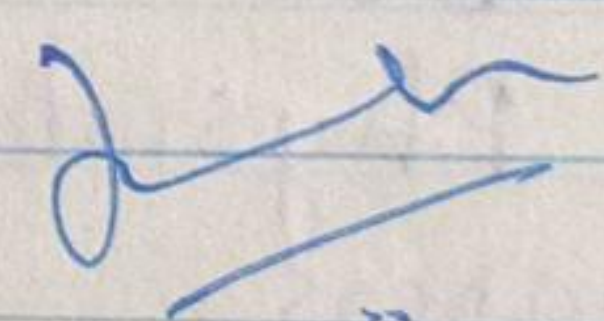
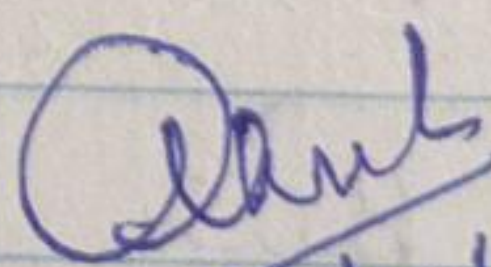
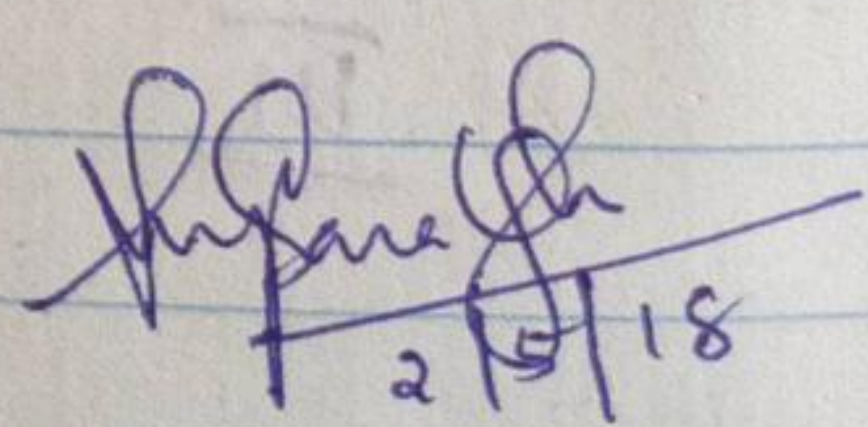
Agenda

1. Evaluation of existing syllabus
2. Discussion & planning on syllabus revision for 2019 Admissions onwards.

The BOS meeting started ~~with~~ at 10:30 am with welcoming the committee members by the chairman Dr. Soeprasad Mathew. He briefed the committee members about the overall structure & regulations. The BOS suggested the following changes in the existing syllabus (U.G. & P.G.)

1. BOS suggested complete revision of I Sem Physiology & Biostatistics & Cell biology & Genetics papers.
2. BOS suggested ~~to~~ to remove the basics aspects included in the syllabus.
3. BOS suggested to include an industrial training in the III semester with 1 credit (100 marks) and report should be submitted during the IV semester practical examinations.

Members Present

1. Dr. Soeprasad Matheo (Chairman)
Dept. of Zoology

2/5/18
2. Dr. Somen K. V.
Dept. of Zoology
3. Ms. Teena M John
Dept. of Microbiology & Biochemistry

4. Ms. Sweety K. Ennacheeril

5. Ms. Siji Jacob

6. Ms. Viney Mary Varghese

Viney Mary Varghese
7. Ms. Akshara Ratheesh Babu

8. Dr. Radhakrishnan E. K.
Dept. of Microbiology
School of Bioscience
M. G. University

9. Dr. Gisha M. S.
Dept. of Microbiology
School of Bioscience
M. G. University

2/5/18
10. Dr. Liney Sara Varghese
Dept. of Botany
B. K. College
Amalagira

2/5/18

BOS (UG) MICROBIOLOGY.

Minutes of the meeting of the Board of Studies in Microbiology (UG) held on 2-5-2018 at 10:30 am in the Dept of Microbiology, S.B. College Changanacherry.

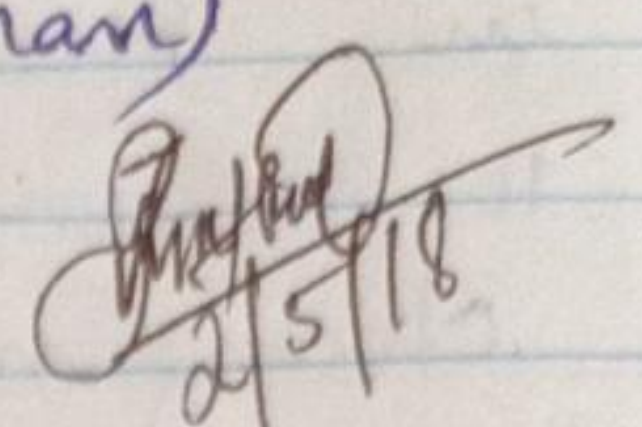
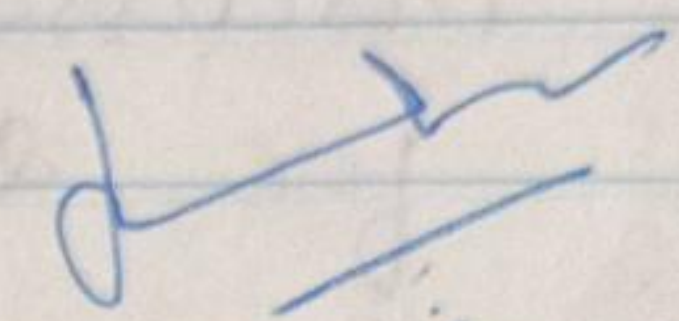
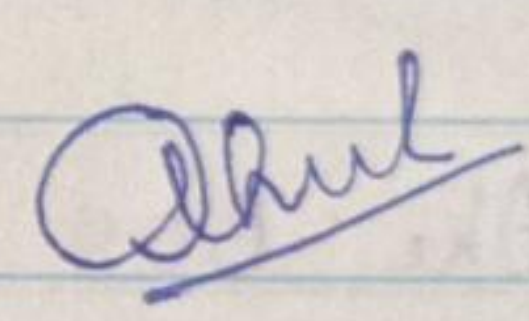
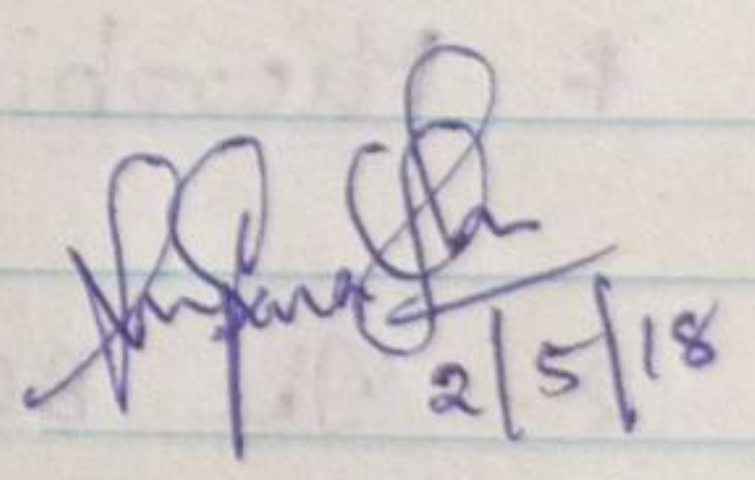
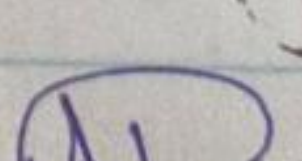
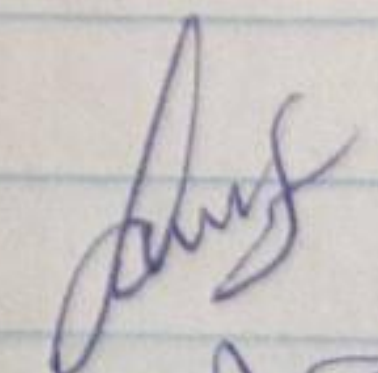
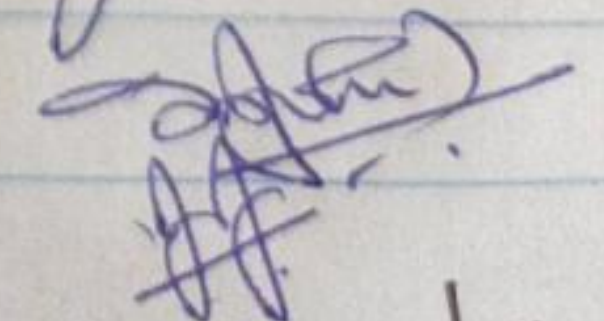
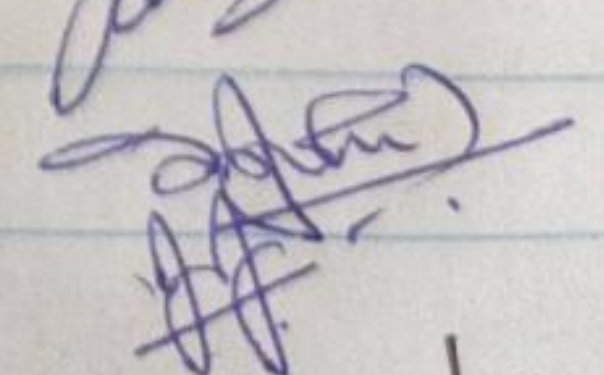
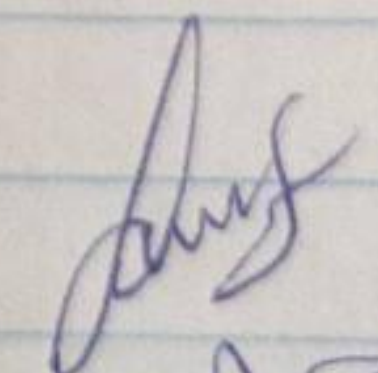
Agenda.

1. Evaluation of existing syllabus.
2. Discussion & planning on syllabus revision for 2019 Admissions onwards.

The BOS meeting started with welcoming the committee members by the chairman Dr. Jeprasad Mathew. The BOS suggested the following changes in the existing syllabus.

1. The BOS suggested to reduce the contents in the papers - Immunology (II sem), Molecular Biology & Microbial Biotechnology (III sem), & Microbial waste management (VI sem).
2. The BOS suggested to add experiments in the papers Food Microbiology, Industrial Microbiology, Agricultural & Waste Management practicals.

Members Present

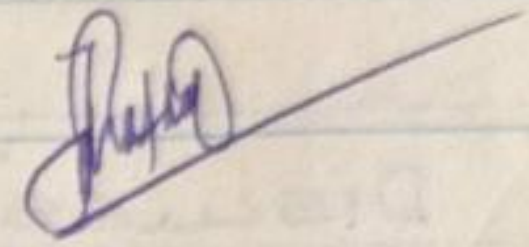
1. Dr. Saeprasad Mathew (chairman)
Dept. of Zoology.

2/5/18
2. Dr. Moniehan K.K.
Dept. of Zoology.
3. ~~Dr. Saeprasad Mathew~~
3. Dr. Radhakrishnan E.K.
Asst. Professor
Dept. of Microbiology
School of Bioscience
M.G. University

4. ~~Dr. Saeprasad Mathew~~
4. Dr. Tisha M.S.
Asst. Professor
School of Bioscience
M.G. University

5. Dr. Lincy Sara Vaeghese
Asst. Professor
Dept. of Botany
B.K. College
Amalagiri

2/5/18
6. Sweety K. Ennacheril
7. Seena M. John
8. Tijo Jacob
9. Lincy Mary Vaeghese
10. Julie Nadayil
11. Akshara Ratheesh Babu.






63
BOS (UG) MICROBIOLOGY, ST. BERCHMANS COLLEGE

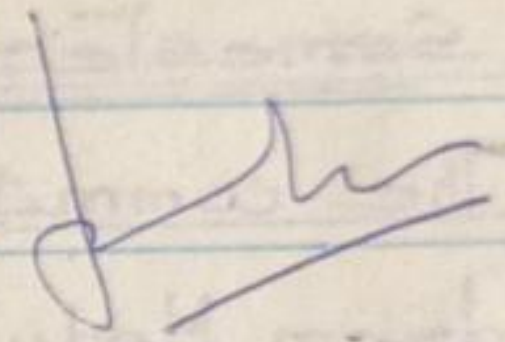
Minutes of the meeting of the BOS in microbiology (UG) held on 02.11.2018 at 11:30 A.M. in the dept. of Microbiology & Biochemistry, St. Berchmans College, Changanacherry.

Members Present

1. Dr. Joe Prasad Mathew (chairman)
Ass. Professor & HOD
Dept. of Zoology
SB College



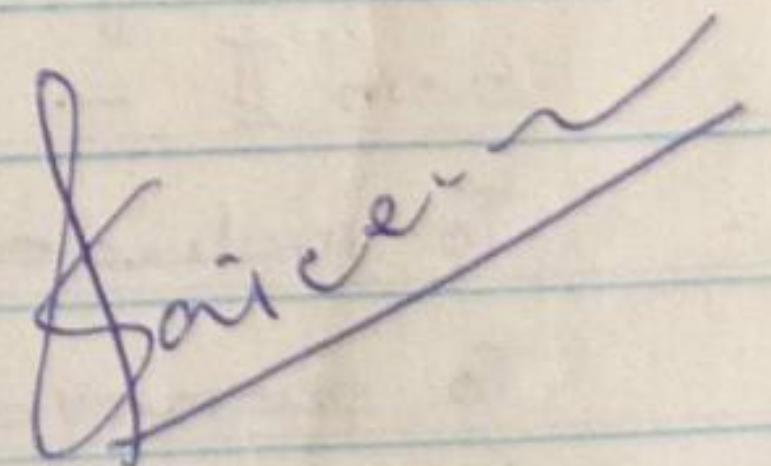
2. Dr. Radhakrishnan E.K.
Associate Professor
School of Biosciences
MGU
Kottayam



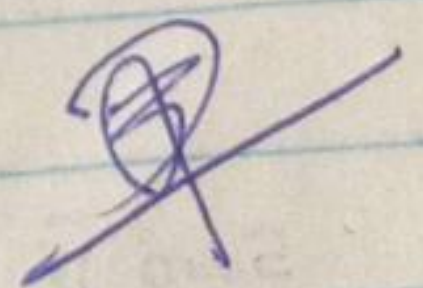
3. Dr. Vijayan K.T.V.
Assistant Professor
Dept. of Microbiology
Govt. College for Women
Vazhuthacaud



4. Dr. Sajeevan T.P.
Assistant Professor
National Centre for Aquatic Animal Health
Fine Arts Avenue
CUSAT - Cochin



5. Sneha P. John
Microbiologist
Belvedere's Church Medical College



6. Sweety K. Ennachezul (HOD)
7. Jeena M. John
8. Jiji Jacob
9. Dr. Vinay Mary Varghese
10. Anju Susan Joy
11. Akshara Rethesh Babu

[Signature]

[Signature]

[Signature]

AGENDA

Discussion on Syllabus Revision (2019 onwards)

1. The committee suggested to remove subtitles for modules.

Semester I - Fundamentals of Microbiology

The committee suggested to remove scope of microbiology from Module 1; to include staining topic from Module 4 to Module 2; to change Module 5 as Module 2; to include fungal culture media in Module 4; to include prokaryotes & eukaryotes in cell structure section & add antiseptics in Module 3.

Microbial diversity

To include two-kingdom & five-kingdom classification in Module I

Practicals

To include candle jar method & glycerol stock. To include major question as a combination in 2 practicals (exam point of view)

Sem II - Microbial Physiology

To include growth factors in module I; hour adjustment & module change

To remove spore formation

Nitrogen metabolism shifted to Aquaculture paper.

Immunology - Major additions included in various modules & in practicals

Sem III - Microbial Genetics - Additions suggested (even in practicals)

- Medical Microbiology - Reorientation of syllabus.

Sem IV - Fermentation Technology - Additions suggested.

Sem V - Food Microbiology - Additions suggested.

Sem VI - Aquacultural Microbiology - Additions suggested

Practicals of Microbial Waste Management to be included in other practicals

71

BOS (PG) MICROBIOLOGY, ST. BERCHMANS COLLEGE

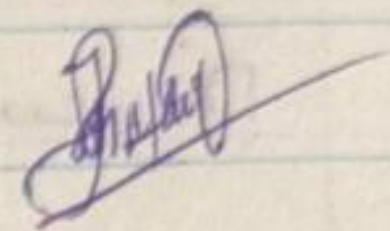
Minutes of the meeting of the BOS in microbiology (PG) held on 02.11.2018 at 1 in the dept. of Microbiology & Biochemistry, St. Berchmans College, Changanassery

Members Present

1. Dr. Joe Prasad Mathew (Chairman)

Ass. Professor & HOD

Dept. of Zoology
SB College



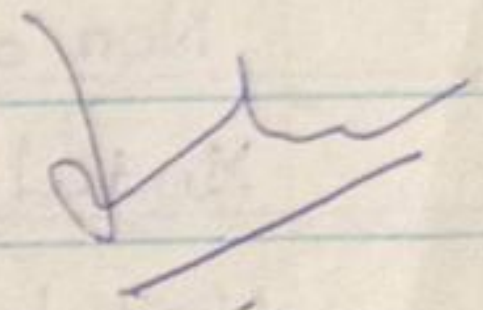
2. Dr. Radhakrishnan E.K.

Associate Professor

School of Bioscience

MG University

Kottayam



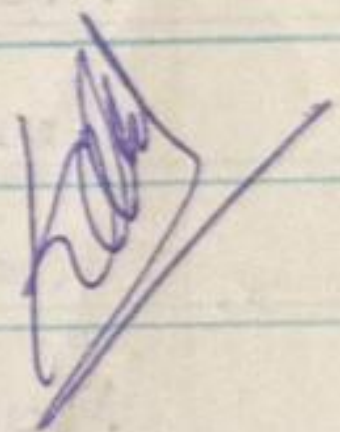
3. Dr. Vyayan K.T.V.

Assistant Professor

Dept. of Microbiology

Govt. College for Women

Vazhuthacud



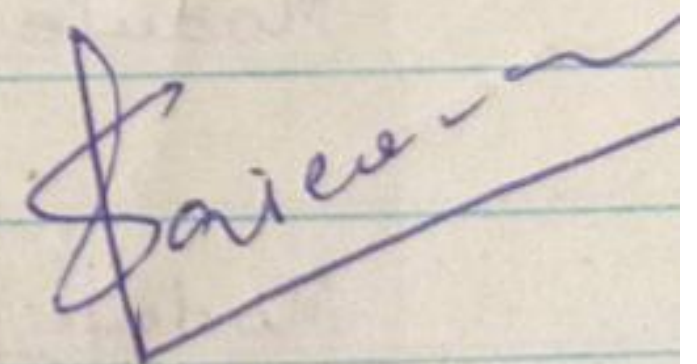
4. Dr. Sanjeevan T.P.

Assistant Professor

National Centre for Aquatic Animal Health

Fine Arts Avenue

CUSAT - Cochin

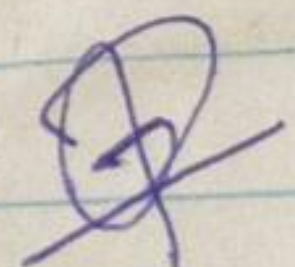


5. Sneha P. Joseph

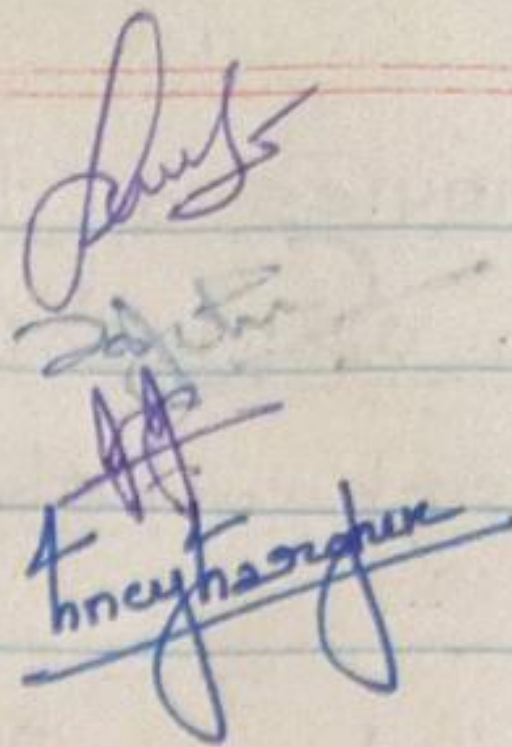
Microbiologist

Believer's Church Medical College

Thuvuvalla



6. Sweety K. Ennacheeril (HOD)
7. Jeena M. John
8. Jiji Jacob
9. Dr. Vincy Mary Varghese
10. Anju Susan Joy
11. Akshaya Rethesh Babu


 Anju

AGENDA

Discussion on Syllabus Revision (2019 onwards)

General Microbiology

- Non culturable population & metagenomics to be included
- Module 2 - Detection of viral growth in culture to be included
- Module 3 - Synchronous culture to be added; quorum sensing also to be added.

Physiology & Biostatistics

Module 5 - ANOVA to be included.

Plant physiology to be deleted.

Immunology

Rearrangement of topics

Module 3 - Clonal deletions to be included.

Enzymology & Metabolism

Module 2 - Synthesis of bacterial LPS to be deleted
- Fermentation to be deleted.

Module 4 - Feedback inhibition to be added.

- Multienzyme system to be deleted

- Co-valently modulated enzymes to be deleted.

Environment & Agroculture - characteristics of sewage to be mentioned

Marine Microbiology - transgenic marine organisms to be deleted

- Invertebrate associated ^{micro-}organisms to be included

BOS (UG) MICROBIOLOGY, ST. BERCHMANS COLLEGE

Minutes of the board of studies meeting in Microbiology (UG) held on 09.05.2019 at 11:30am in the department of microbiology and Biochemistry, St. Berchmans College, Changanacherry

AGENDA

Approval of the revised syllabus from 2019 admission onwards

The BOS meeting started with welcoming the committee members by the chairman, Dr. Joe Prasad Mathew.

The BOS members approved the revised syllabus (2019) onwards.

The meeting concluded with the above decision by 12:30pm.

Members Present

1. Dr. Joe Prasad Mathew (Chairman)
Ass. Professor & HOD
Dept. of Zoology
SB College
2. Suseethy K. Ennacheril (HOD)
3. Jeena M. John
4. Jiji Jacob
5. Dr. Vinay Mary Varghese
6. Anju Susan Joy
7. Akshara Rethesh Babu
8. Julie Nadayil

[Handwritten signatures and initials]

BOS (PG) Microbiology, ST. BERCHMANS COLLEGE

Minutes of the board of studies meeting in Microbiology (PG) held on 09.05.2019 at 11:30am in the department of Microbiology and Biochemistry, St. Berchman's College Changanacherry

AGENDA

Approval of the revised syllabus from 2019 admission onwards.

The BOS meeting started with welcoming the committee members by the chairman, Dr. Joe Prasad Mathew.

The BOS members approved the revised syllabus (2019) onwards.

The meeting concluded with the above decision by 12:30 pm.

Members Present

1. Dr. Joe Prasad Mathew (Chairman)
Ass. Professor & HOD
Dept. of Zoology
SB College.
2. Suseetha K. Ennacheril (HOD)
3. Jeena M. John
4. Jiji Jacob
5. Dr. Vincy Mary Varghese
6. Anju Susan Jay
7. Akshara Rethesh Babu
8. Julie Nadayil

[Handwritten signatures]

BOS (PU) Microbiology, ST. BERCHMANS COLLEGE

Minutes of the board of studies meeting in Microbiology (PU) held on 09.05.2019 at 11:30am in the department of Microbiology and Biochemistry, St. Berchman's College Changanacherry

AGENDA

Approval of the revised syllabus from 2019 admission onwards.

The BOS meeting started with welcoming the committee members by the chairman, Dr. Joe Prasad Mathew.

The BOS members approved the revised syllabus (2019) onwards.

The meeting concluded with the above decision by 12:30 pm.

Members Present

1. Dr. Joe Prasad Mathew (Chairman)

Ass. Professor & HOD

Dept. of Zoology

SB College

2. Suseetha K. Ennacheril (HOD)

3. Jeena M. John

4. Jiji Jacob

5. Dr. Vincy Mary Varghese

6. Anju Susan Joy

7. Akshara Rethresh Babu

8. Julie Nadayil

[Handwritten signatures]

BOS (UG) MICROBIOLOGY, ST. BERCHMANS COLLEGE

Minutes of the board of studies meeting in Microbiology (UG) held on 14.11.2019 at 11:30am in the department of microbiology and Biochemistry, St. Berchmans College, Changanacherry.

AGENDA

- Evaluation of the revised syllabus (2019 admission onwards)

- The BOS meeting started with welcoming the committee members by the chairman, Dr. Joe Prasad Mathew.

The BOS members decided to continue with the revised syllabus.

The meeting was concluded with the above decision by 12:30pm.

Members Present

1. Dr. Joe Prasad Mathew (Chairman)

Ass. Professor & HOD

Dept. of Zoology
SB College

2. Sreetya K. Ennacheril (HOD)

3. Jeena M. John

4. Jiji Jacob

5. Dr. Vincy Mary Varghese

6. Anju Susan Joy

7. Akshara Rethresh Babu

8. Julie Nadayil

[Handwritten signatures]
Sreetya K. Ennacheril
Vincy Mary Varghese

BOS (PG) MICROBIOLOGY, ST. BERCHMANS COLLEGE

Minutes of the board of studies meeting in Microbiology (PG) held on 14.11.2019 at 11:30am in the department of microbiology and Biochemistry, St. Berchman's College, Changanacherry.

AGENDA

Evaluation of the revised syllabus (2019 admission onwards)

The BOS meeting started with welcoming the committee members by the chairman Dr. Joe Prasad Mathew.

The BOS members decided to continue with the revised syllabus.

The meeting concluded with the above decision by 12:30pm.

Members Present

1. Dr. Joe Prasad Mathew (chairman)

Ass. Professor & HOD

Dept. of Zoology
SB College

2. Sreejy. K. Ennacheril (HOD)

3. Jeena. M. John

4. Jiji Jacob

5. Dr. Vincy Mary Varghese

6. Anju Susan Joy

7. Akshara Rethesh Babu

8. Julie Nadayil

