



VIRUDHUNAGAR HINDU NADARS' SENTHIKUMARA NADAR COLLEGE

(An Autonomous & Co - Educational Institution)

VIRUDHUNAGAR - 626001

Estd : 1947

Re-accredited with 'A' Grade by NAAC

e-mail : support@vhnsnc.edu.in, vnrsundar@yahoo.com

principal@vhnsnc.edu.in

Education □ Discipline □ Culture

web : www.vhnsnc.edu.in

☎ STD : 04562 □ Off : 280154 □ Per : 281153 □ Res : 295880 □ Fax : 04562 - 281338 □ Tel : "COLLEGE"

**Dr. P. SUNDARA PANDIAN, M.Com., M.A.,
M.B.A., M.Phil., PGDPMIR., PGDCA., DLLAI., Ph.D.,**

Principal

03.01.2013

To

The Head and Chairman (Board of Studies),
Department of Botany,
V.H.N.S.N. College,
Virudhunagar.

Dear Sir,

The Board of Studies meeting of B.Sc. and M.Sc. Botany of Virudhunagar Hindu Nadars' Senthikumara Nadar College (Autonomous), Virudhunagar will be held on Friday the 18th January, 2013, at 02.00 p.m. in the Department of Botany.

Agenda:

1. To discuss and approve the detailed Draft Syllabus for the II year U.G. and P.G courses.
2. To discuss and approve the question pattern for skill based subjects.
3. To prepare Panel of Examiners for each paper.
4. Other matters with the permission of the Chair Person.

Kindly inform this to all your staff members and make necessary arrangements for convening the meeting.

Encl: Copy of the Draft Syllabus

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03/01/13
PRINCIPAL

Minutes of UG and PG Board of Studies meeting
held on 18.01.2013

- A University nominee : Dr. S. Chandrasekaran
Asst. Prof. Dept. of Plant Sciences,
School of Biological Sciences, M.K.U.
Madurai.
- b) Subject experts
1. Dr. K.M. Rajasekaran
Madura College, Madurai
 2. Dr. B. Karunaiselvi
V.V.V. College for Women
- c) Alumni
1. Mr. G. Varatharaju, M.Sc., M.Phil.
Asst. Prof. in Biotechnology,
Govt. College of Technology, Coimbatore.
- (d) Corporate / Industrial sector : Thiru. S.P.G.R. Madhavan.
- (e) Members Present :
1. Dr. A. Rajendran, M.Sc., M.Phil., Ph.D.,
Asst. Prof & HOD Botany, Vansri College, VNR
 2. Dr. K. Rajarathnam, M.Sc., Ph.D.
Asst. Prof. Dept. of Botany, Vansri College, VNR
 3. Tmk. B. Salacia Fernando M.Sc., M.Phil., B.Ed.,
Asst. Prof in Botany.
 4. Dr. P. Mahalingam, M.Sc., Ph.D.,
Asst. Prof in Botany.
 5. Tmk. Bagyalakshmi, M.Sc., M.Phil.
Asst. Prof. in Botany.
 6. Thiru. G. Premkumar
Asst. Prof in Botany.
 7. Dr. S. Muthusankaran
Asst. Prof in Botany
 8. Miss. A. Meenatchi, M.Sc., M.Phil.,
Lecturer in Botany
 9. Dr. N. Nirmal Kumar.
Lecturer in Botany.

Resolutions:

The UG and PG Board of Studies meeting is held on 18/01/2013 and recommended the following changes.

* It has been resolved to approve the paper titles and also incorporate the suggested minor changes/corrections in the syllabus for II - UG Botany.

* It has been resolved to approve the paper titles and also incorporate the suggested minor changes/corrections in the syllabus for II - PG Botany.

* It has been resolved to approve the ^{revised} question pattern for skill based subjects.

* It has been resolved to prepare Panel of Examiners for each paper.

Members Present

1) S.P.G.R. MATHAVAN.

S. Pradhan

2) B. K. U. RAJASEKARAN

B. K. U. Rajasekaran

3) G. V. Venkataraju

G. V. Venkataraju

4) B. Karunai Selvi.

B. Karunai Selvi

5) A. Rajendran.

A. Rajendran

6) K. RAJARATHNAM

K. Rajarathnam

7) P. MEHALINGAM

P. Mehalingam

8) G. PREM KUMAR

G. Prem Kumar

9) S. MUTHURAMKUMAR

S. Muthuramkumar

10) N. NIRMALKUMAR

N. Nirmalkumar

Members Present

- 11 B. SALOCIA FERNANDO
- 12 Mrs. BAGYALAKSHMI
- 13 A. MEENATCHI.

- B. Salocia Fernando.
- Bagyalakshmi
- A. Meenatchi.



Estd : 1947

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Dr. P. SUNDARA PANDIAN, M.Com., M.B.A.,
M.A., M.Phil., PGDPMIR., PGDCA., DLLAI., Ph.D.,
Principal

02.12.2013

To

The Head and Chairman (Board of Studies),
Department of Botany,
V.H.N.S.N. College (Autonomous),
Virudhunagar.

Dear Sir,

The Board of Studies Meeting of Botany of Virudhunagar Hindu Nadars' Senthikumara Nadar College (Autonomous), Virudhunagar will be held on Saturday the 07th December, 2013, at 11.00 a.m. in the Department of Botany.

Agenda:

1. To discuss and approve the Draft Syllabus for the III year U.G. course.
2. To prepare panel of Examiners for each paper.
3. Other matters with the permission of the Chair Person.

Kindly inform this to all your staff members and make necessary arrangements for convening the meeting.

AB
4/12/2013

Encl: Copy of the Draft Syllabus


PRINCIPAL

18

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Minutes of UG Board of Studies meeting held on 7/12/2013

A. University nominee : Dr. S. Chandrasekaran,
Asst Prof. Dept of Plant Sciences,
School of Biological Sciences, MKU, Madurai.

B. Subject experts

1. Dr. K. M. Rajasekaran
Madura College, Madurai
2. Dr. B. Karunaiselvi
V.V.V. college for women

C) Alumni : 1. Mr. G. Varatharaju, M.Sc, M.Phil
Asst. Prof in Biotechnology,
Govt. College of Technology, Coimbatore.

d) Corporate / Industrial sector : Thiru. S. P. G. R. Madhavan

e) Members present :

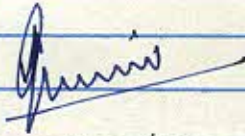
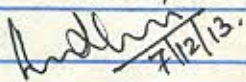
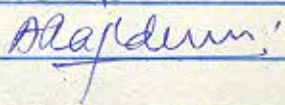
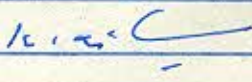
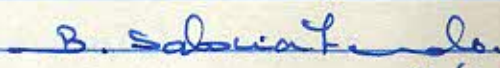

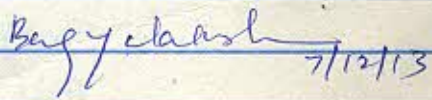


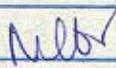

1. Dr. A. Rajendran, M.Sc, M.Phil, Ph.D
Associate prof & HOD - Botany, VHNSV college, VNR
2. Dr. K. Rajarathnam, M.Sc, Ph.D
Associate Prof, Dept of Botany, VHNSV college, VNR
3. Tmt. B. Saloua Fernando M.Sc, M.Phil, B.Ed
Asst professor in Botany.
4. Dr. P. Mehalingam, M.Sc, Ph.D
Asst. Prof in Botany
5. Tmt. B. Bagyalakshmi, M.Sc, M.Phil, Ph.D
Asst. Professor in Botany
6. Thiru G. Prem Kumar M.Sc, M.Phil
Asst Professor in Botany
7. Dr. S. Muthuramkumar M.Sc Ph.D
Asst. Prof in Botany
8. Dr. N. Nirmal Kumar M.Sc, Ph.D
Asst. Prof in Botany
9. Miss. A. Meenatchi, M.Sc, M.Phil
Asst. Professor in Botany.

Resolutions

The UG Board of Studies meeting is held on 7/12/2013 and recommended the following changes. It has been resolved to approve the paper titles and also incorporate the suggested minor changes/corrections in the syllabus for III B.Sc Botany.

It has been resolved to prepare Panel of Examiners for each paper.

MEMBERS PRESENT.

- | | |
|-------------------------|--|
| 1. Dr. M. Rajasekaran |  |
| 2. Dr. B. Karunaiselvi |  7/12/13. |
| 3. Dr. A. Rajendran |  |
| 4. Dr. K. Rajarathinam |  |
| 5. B. Salocia Fernando |  B. Salocia Fernando.
7/12/13 |
| 6. Dr. P. Mehalingam |  P. Mehalingam
7/12/2013 |
| 7. Dr. Bagyalakshmi |  Bagyalakshmi
7/12/13 |
| 8. G. Prem Kumar |  |
| 9. Dr. S. Muthuramkumar |  S. Muthuramkumar. |
| 10. Dr. N. NIRMAL KUMAR |  N. N. |
| 11. A. Meenatchi |  A. Meenatchi. |

V.H.N.SENTHIKUMARA NADAR COLLEGE (AUTONOMOUS)

Virudhunagar

DEPARTMENT OF BOTANY

UG & PG Botany – External Examiners

Dr. D.Kannan, Assistant Professor, Department of Botany, Thiagarajar College, Madurai – 625 009.	Dr.K.Rajendran Assistant Professor, Department of Botany, Thiagarajar College, Madurai-625 009
Dr. C. Sankara Narayanan Associate Professor and Head S.N College, Perungudi, Madurai.	Dr.M.Ramamoorthy Assistant Professor Department of Botany G.Venkataswamy Naidu College Kovilpatti
Dr.R.P.Krishnan Associate Professor Department of Botany Madura College, Madurai-625009	Dr.S.Karuppasamy Assistant Professor, Department of Botany, Madura College, Madurai-625009
Dr. K.M. Rajasekaran Associate Professor and Head Department of Botany, Madura College, Madurai.	Dr.C.Pothiraj, Assistant Professor, Department of Botany, Alagappa Government Arts and Science College, Karaikudi

Dr.A.John De Britto, Associate Professor, Department of Botany, St.Xavier's College (Autonomous) Palayamkottai-627 002	Dr.E.G.Wesley Jebasingh Devairakam, Assistant Professor, Department of Botany Government Arts and Science College, Namakkal
Dr.M.Louis Jesu Dass, Associate Professor and Head Department of Botany, St.Xavier's College (Autonomous) Palayamkottai-627 002	Dr. V. Shanmugaiah Assistant Professor School of Biological Sciences Madurai Kamaraj University, Madurai.
Dr.P.Selvarathi Associate Professor and Head Department of Botany SFR College for women Sivakasi	Dr.M.Santhi Associate Professor Department of Botany SFR College for women Sivakasi
Dr. B. Karunai Selvi Assistant Professor VVV College, Virudhunagar.	Dr.K.Parani Associate Professor Department of Botany SFR College for women Sivakasi
Dr T J S Rajakumar Associate Professor Department of Botany St.John's College Palayamkottai	Dr. D.Amish Abraham Associate Professor Department of Botany St.John's College Palayamkottai



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Dr. P. SUNDARA PANDIAN, M.Com., M.B.A.,
M.A., M.Phil., PGDPMIR., PGDCA., DLLAI., Ph.D.,
Principal

20.03.2015

To

The Head and Chairman (Board of Studies),
Department of Botany,
V.H.N.S.N. College (Autonomous),
Virudhunagar.

Dear Sir,


The Board of Studies Meeting of B.Sc. Botany & M.Sc. Botany of Virudhunagar Hindu Nadars' Senthikumara Nadar College (Autonomous), Virudhunagar will be held on Saturday the 28th March, 2015, at 10.00 a.m. in the Department of Botany.

Agenda:

1. To discuss and approve the title of the papers for the entire courses of B.Sc. Botany & M.Sc. Botany.
2. To discuss and approve the Draft Syllabi for the 1 year.
3. To prepare the panel of Examiners for each paper.
4. Other matters with the permission of the Chair Person.









We would be much pleased if you could make it convenient to join us for lunch at 1.00 p.m.

Encl: Copy of the Draft Syllabi


23/3/2015


PRINCIPAL

Information to Staff members

KR  GP  AM 
BS  SM  MS 
BL  NN 

MINUTES OF BSC&M.Sc Board of Studies meeting held on 28/3/2015

University nominee : Dr. M. Jeyakumar,
Associate professor of Botany,
Pasumpon Muthuramalinga Thevar College, Usilampath.

Subject experts : 1. Dr. K. M. Rajasekaran, Associate professor of Botany,
Madura College, Madurai.

2. Dr. M. Santhi, Associate professor of Botany
S.F.R. college, Sivakasi.

c) Alumnus:

1. Dr. D. Kannan

Associate professor, Dept of Botany
Thiagarajar College, Madurai.

d) Industrialist : Mr. K. Kishore Kumar.

e) Members present.

1. Dr. A. Rajendran M.Sc, M.Phil, Ph.D

Associate Professor & Head, Botany, VITNSN college, Vnr

2. Dr. K. Rajarathinam M.Sc, Ph.D

Associate prof, Dept of Botany

3. Tmt. B. Salacia fernando, M.Sc, M.Phil, Ph.D

Assistant Professor in Botany

4. Tmt. Bagyalakshmi, M.Sc, M.Phil, Ph.D

Assistant Professor in Botany

5. Dr. G. Premkumar, M.Sc, M.Phil, Ph.D

Assistant Professor in Botany

6. Dr. S. Muthuramkumar M.Sc, Ph.D

Assistant professor in Botany

7. Dr. N. NIRMAL KUMAR M.Sc, Ph.D

Asst. Prof in Botany

8. A. Meenatchi, M.Sc, M.Phil

Asst. Prof in Botany

9. Dr. M. Suresh M.Sc, Ph.D

Asst. Prof in Botany

Resolutions:

The Board of Studies meeting is held on 28/3/2015. and recommended the following changes.

* It has been resolved to approve the title of the course papers of B.Sc & M.Sc Botany and also incorporate the suggested Minor changes/corrections in the syllabus.

* It has been resolved to prepare Panel of Examiners for each papers.

MEMBERS PRESENT

- | | |
|--------------------------|---------------------------|
| 1. Dr. M. Jeyakumar | M. Jeyakumar 28/3/15 |
| 2. Dr. K. M. Rajasekaran | K. M. Rajasekaran 28/3/15 |
| 3. Dr. D. Kannan | D. Kannan 28/3/15 |
| 4. Dr. A. Rajendran | A. Rajendran |
| 5. Dr. K. Rajarathinam | K. Rajarathinam |
| 6. B. SALOCIA Fernando | B. Salocia Fernando |
| 7. Dr. Bagyalakshmi | Bagyalakshmi |
| 8. Dr. G. Premkumar | G. Premkumar |
| 9. Dr. S. Muthuramkumal | S. Muthuramkumal |
| 10. Dr. N. NIRMAL KUMAR | N. Nirmal Kumar |
| 11. A. Meenatchi | A. Meenatchi |
| 12. Dr. M. Suresh | M. Suresh |

V.H.N.SENTHIKUMARA NADAR COLLEGE (AUTONOMOUS)

**Virudhunagar
DEPARTMENT OF BOTANY**

UG & PG Botany – External Examiners

Dr. D.Kannan, Associate Professor, Department of Botany, Thiagarajar College, Madurai – 625 009.	Dr.K.Rajendran Assistant Professor, Department of Botany, Thiagarajar College, Madurai-625 009
Dr. K. Jegadessan Assistant Professor, Department of Botany, Thiagarajar College, Madurai – 625 009	Dr.M.Ramamoorthy Assistant Professor Department of Botany G.Venkataswamy Naidu College Kovilpatti
Dr.R.P.Krishnan Associate Professor Department of Botany Madura College, Madurai-625009	Dr.S.Karuppasamy Assistant Professor, Department of Botany, Madura College, Madurai-625009
Dr. K.M. Rajasekaran Associate Professor and Head Department of Botany, Madura College, Madurai.	Dr.C.Pothiraj, Assistant Professor, Department of Botany, Alagappa Government Arts and Science College, Karaikudi

<p>Dr.V.Irudhyaraj, Associate Professor, Department of Botany, St.Xavier's College (Autonomous) Palayamkottai-627 002</p>	<p>Dr.E.G.Wesley Jebasingh Devairakam, Assistant Professor, Department of Botany Government Arts and Science College, Namakkal</p>
<p>Dr.Viji Assistant Professor Department of Botany, Thiyagarajar college (Autonomous) Madurai.</p>	<p>Dr. V. Shanmugaiah Assistant Professor School of Biological Sciences Madurai Kamaraj University, Madurai.</p>
<p>Dr.P.Selvarathi Associate Professor and Head Department of Botany SFR College for women Sivakasi</p>	<p>Dr.M.Santhi Associate Professor Department of Botany SFR College for women Sivakasi</p>
<p>Dr. B. Karunai Selvi Assistant Professor VVV College, Virudhunagar.</p>	<p>Dr.K.Parani Associate Professor Department of Botany SFR College for women Sivakasi</p>
<p>Dr T J S Rajakumar Associate Professor Department of Botany St.John's College Palayamkottai</p>	<p>Dr. D.Amish Abraham Associate Professor Department of Botany St.John's College Palayamkottai</p>



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Dr. P. SUNDARA PANDIAN, M.Com., M.A., M.B.A.,
M.Sc., M.A., M.Phil., PGDPM&IR., PGDCA., DLLAL., Ph.D.,
Principal

08.02.2016

To

The Head and Chairman (Board of Studies),
Department of Botany,
V.H.N.S.N. College (Autonomous),
Virudhunagar.

Dear Sir,

The Board of Studies Meeting of B.Sc. Botany & M.Sc. Botany of Virudhunagar Hindu Nadars' Senthikumara Nadar College (Autonomous), Virudhunagar will be held on Saturday the 20th February, 2016, at 10.00 a.m. in the Department of Botany.

Agenda:

1. To discuss and approve the Draft Syllabi for the II year of B.Sc. & M.Sc. Botany.
2. To prepare the panel of Examiners for each paper.
3. Other matters with the permission of the Chair Person.

We would be much pleased if you could make it convenient to join us for lunch at 1.00 p.m.


PRINCIPAL

Encl: Copy of the Draft Syllabi

Staff Circular

BR
10/2/2016

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MINUTES OF B.Sc & M.Sc BOARD OF STUDIES MEETING HELD ON 20/2/2016

University Nominee : Dr. M. Jeyakumar
Associate Professor of Botany,
Pasumpon Muthuramalinga Thevar College, Usilampatti

Subject experts: 1. Dr. K. M. Rajasekaran, Associate Professor of Botany,
Madura college, Madurai

2. Dr. M. Santhi, Associate Professor of Botany
S.F.R. college, Sivakasi

Alumnus : Dr. D. Kannan
Associate Professor, Dept of Botany
Thiagarajar college, Madurai

Industrialist : Mr. K. Kishore Kumar

Members present

1. Dr. A. Rajendran M.Sc, M.Phil, Ph.D
Associate Professor & Head Department of Botany

2. Dr. K. Rajarathinam M.Sc, Ph.D
Associate Prof, Dept of Botany

3. Tmt. B. Saïocia Fernando M.Sc, M.Phil
Assistant Professor in Botany

4. Dr. Bagyalakshmi M.Sc, M.Phil, Ph.D
Assistant professor in Botany

5. Dr. P. Mehalingam M.Sc Ph.D
Assistant Professor in Botany

6. Dr. S. Muthuramkumar M.Sc Ph.D
Assistant Professor in Botany

7. Dr. G. Premkumar M.Sc, Ph.D
Assistant Professor in Botany

8. Dr. N. Nirmal Kumar M.Sc Ph.D
Assistant professor in Botany

9. A. Meenatchi M.Sc. M.Phil
Asst. Prof in Botany




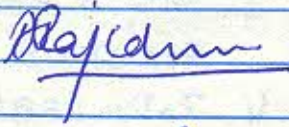
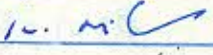
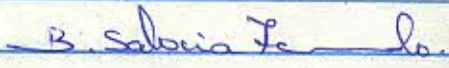
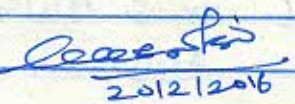
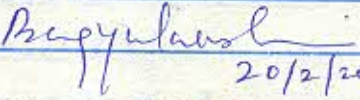

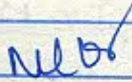
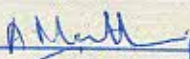

10. Dr. M. Suresh M.Sc Ph.D
Assistant Professor in Botany

Resolutions:

The Board of studies meeting is held on 20/2/2016 and recommended the following changes in
II B.Sc Core III. Fungi, Lichen and Plant Pathology (Unit III, Unit V-Ethology)
Core IV. Pteridophytes and Gymnosperms. (Textbook include)
M.Sc. Core II - Unit IV (Year include) ^{Mims}, Core 12 (Unit II - Deleta vector), Core 13 (Unit III, ETP)
Elective I (Unit III - change species), Core 16, Unit III (Delete 'Effect'), Core 18 Unit IV (Delete 'Recurrent').
* It has been resolved to approve the title of the course papers of B.Sc and M.Sc Botany and also incorporate the suggested minor changes/corrections in the syllabus.

* It has been resolved to prepare Panel of examiners for each papers.

MEMBERS PRESENT:

1. Dr. M. Jayakumar : 
2. Dr. K.M. RAJASEKARAN : 
3. Dr. D. KANNAN : 
4. Dr. A. RAJENDRAN : 
5. Dr. K. RAJARATHINAM : 
6. A. SALOCIA FERNANDO : 
7. DR P. MEHALINGAM : 
20/2/2016
8. Dr. BAGYALAKSHMI : 
20/2/2016
9. Dr. G. PREM KUMAR : 
10. Dr. S. MUTHURAM KUMAR : S. Muthuram Kumar.
11. DR. N. NIRMAL KUMAR : 
12. A. MEENATCHI : 
13. Dr. M. SURESH : 



VIRUDHUNAGAR HINDU NADARS' SENTHIKUMARA NADAR COLLEGE

(An Autonomous Institution, Affiliated to Madurai Kamaraj University)

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Virudhunagar - 626 001.

NOTICE

27.02.2017

The Heads of the Departments are informed that the Board of Studies Meeting of their respective UG course will be held on the afternoon of 07.03.2017 to finalise the syllabus for III year UG.

Please find enclosed the list of the members of the Board.

Department of Botany

S.No.	Name and Official Address	Category
1.	Dr. M. Jeyakumar, Associate Professor of Botany, Pasumpon Muthuramalinga Thevar College, Usilampatti - 625 532.	University Nominee 9865518467
2.	Dr. M. Shanthi Associate Professor, Department of Botany, SFR College for Women (Autonomous), Sivakasi.	Subject Expert
3.	Dr. V. Mariappan Head and Assistant Professor, Department of Botany, Raja Duraisingam Government arts college, Sivagangai - 630561.	Subject Expert
4.	Dr. V. Ramesh Assistant Professor, Department of Botany, Vivekanada College, Madurai.	Alumnus
5.	Mr. K. Kishore Kumar, Uma Spirulina and Herbal Products, 1/54-5 Periyavallikulam, Virudhunagar.	Industrial Representative

AB
27/2/2017


PRINCIPAL

MINUTES OF B.SC BOTANY BOARD OF STUDIES MEETING HELD ON 7/3/2017

- University Nominee: Dr. M. Jeyakumar
Associate Professor of Botany
Pasumpun muthramalinga Thevar college, Usilampatti.
- Subject expert: 1. Dr. M. shanthi, Associate Professor of Botany
SFR college, Sivakasi
2. Dr. V. Mariappan, Head & Associate Professor
Dept of Botany, R D Govt Arts college, Sivagangai
- Alumnus: Dr. V. Ramesh, Assistant Professor, Dept of Botany
Vivekananda college, Madurai.
- Industrialist: Mr. K. Kishore Kumar, Vrudhnamagan

MEMBERS PRESENT:

1. Dr. A. Rajendran M.Sc, M.Phil, Ph.D
Associate Professor & Head, Dept of Botany
2. Dr. K. Rajarathinam M.Sc, Ph.D
Associate Prof, Dept of Botany
3. Tmt. B. Salocia Fernando, M.Sc, M.Phil
Assistant Professor in Botany
4. Dr. P. Mehalingam M.Sc, Ph.D
Assistant Professor in Botany
5. Dr. Bagyalakshmi M.Sc, M.Phil, Ph.D
Assistant Professor in Botany
6. Dr. S. Muthuramkumar M.Sc, Ph.D
Assistant Professor in Botany
7. Dr. N. Nirmalkumar M.Sc, Ph.D
Assistant Professor in Botany
8. Mr. V. Siva M.Sc Ph.D
Assistant Professor in Botany

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Resolutions:

The Board of studies meeting is held on 7/3/2017 and recommended

the following changes.

Core V - Biochemistry, Unit I - Addition (Basic Principles of Thermodynamics) Deletion - Water
Unit II \rightarrow Delete \rightarrow Optical, Addition - and its properties, Unit IV - addition (Inhibitors)

Core VI - Genetics & Plant Breeding

Unit II - delete - mode of action, Unit IV - with reference to Arabidopsis
Hahama, Unit V \rightarrow Mutagens,

Practicals \rightarrow Delete (To study probability)

Addition (Emasculation techniques)

Core VII (Taxonomy of Angiosperms)

Unit I is Phyllotaxy (Sagittate, ovate, cordate, linear, lanceolate, oblong)
(Addition) entire, wavy, serrate, racemose (Raceme, Panicle, Spike, catkin,
corymb, Umbel, spadix, head), (Bisexual, Unisexual, Polygamous Monoecious
dioecious) fruit (simple & aggregate) legume, follicle, silique, capsule,
dry indehiscent (caryopsis, achene, cypsel, nut, samara), fleshy
fruit (Drupe, pome, Berry, pepo, Hesperidium), Aggregate (etaxia of
drupe, etaxia of drupe, berries).

Unit III \rightarrow delete (Fabaceae), Addition (Caesalpinaceae)

NME - Plant Utility and exploitation

Unit I - Addition of Blackgram instead of Bengal gram

Unit IV - Addition of Common periwinkle and Amra instead of
Catharanthus roseus and Aloe vera.

Unit V \rightarrow Extraction and Preparation of Aloe gel are included.

CORE VIII - PLANT PHYSIOLOGY

Unit I - Inclusion of Mechanism of stomatal movement
Deletion of exudation

Unit II - deletion of C_3 and C_4 cycle and addition of
 C_2 cycle, Unit III full stop - removed.

Textbooks: Subash chandra dubra was included. In Practical
syllabus: Addition of Principle and Result; Hormones.

CORE IX - Biotechnology and Bioinformatics

Unit I \rightarrow Addition of Alkaline phosphatase, Polynucleotide kinase,
Terminal deoxynucleotidyl transferase, DNA polymerase RT,
PCR (Related). Unit II - Deletion (Integration of the DNA into the
plasmid and phage vector, GM plant, cloning of Insulin gene,
Addition (Insertion of antibiotic resistance marker gene, Inactivation
of Lac Z gene, selection of recombinant phages Colony Hybridization
Unit III is change into Unit II, Unit II as Unit IV, Practical (PCR delete)

Unit V - Addition of Pasteurization of milk, Deletion of quality of milk.

Biodiversity and Conservation (Skill IV)

Unit V → Delete (study) In Activity → A Field trip to Western Ghats to study the Biodiversity are included.

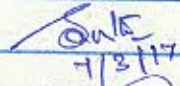


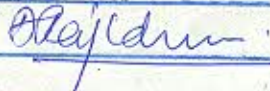


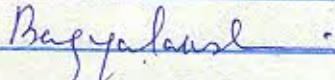
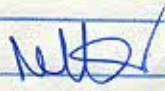

Note - Mushroom Cultivation

Unit I (Deletion of the word Taxonomy), Unit III converted into Unit II, Unit II as Unit V, Unit IV as Unit III, Unit V as Unit IV

Addition of Nita bahl 2009, Handbook on Mushrooms. Oxford, New Delhi.

It has been resolved to approve the title of the course papers of III B.Sc Botany and also incorporate the suggested minor changes/corrections in the syllabus.

MEMBERS PRESENT

- | | |
|-------------------------|---|
| 1. DR. M. SHANTHI |  |
| 2. DR. V. MARIAPPAN |  |
| 3. DR. V. RAMESH |  |
| 4. DR. A. RAJENDRAN |  |
| 5. DR. K. RAJARATHINAM |  |
| 6. B. SALOCIA FERNANDO | B. Salocia Fernando |
| 7. DR. P. MEHALINGAM |  |
| 8. DR. BAGYALAKSHMI |  |
| 9. DR. S. MUTHURAMKUMAR | S. Muthuramkumar |
| 10. DR. N. NIRMAL KUMAR |  |
| 11. V. SIVA. |  |

M.Phil

MINUTES OF M.Phil Board OF Studies Meeting in Botany
held on 20/3/2015.

University Nominee: Dr. M. Jayakumar,
Associate Professor of Botany,
Pasumpon Muthuramalinga Thevar College,
Usilampatti - 5

Subject experts : 1) Dr. K. M. RAJASEKARAN
MADURA COLLEGE, MADURAI.

2. Dr. M. Santhi,
S.F.R. college, Sivakasi.

Alumnus: : Dr. D. Kannan
Associate Prof, Dept of Botany
Thiagarajar College, Madurai.

Industrialist: Mr. K. Kishore Kumar

Members Present:

1) Dr. A. Rajendran M.Sc, M.Phil, Ph.D
Associate Professor & HoD, Botany.

2. Dr. K. Rajarathinam M.Sc, Ph.D
Associate Professor, Dept of Botany

3) Dr. Bagyalakshmi M.Sc, B.E.D, Ph.D
Asst. Prof in Botany

4. Dr. G. Premkumar M.Sc, M.Phil, Ph.D
Asst. Prof in Botany

5. Dr. S. Muthuramkumar M.Sc, Ph.D
Asst. Prof in Botany

6. DR. N. NIRMAL KUMAR M.Sc, Ph.D
Asst. Prof in Botany

7. Dr. M. Suresh M.Sc Ph.D
Asst. Prof in Botany

Resolved to approve the paper title for M.Phil Botany as core I - Research methodology and core-II Plant biotechnology for I semester.

Resolve to approve the syllabus for the above papers for I semester

Resolve to continue Paper III - In-depth study in Published literatures.

Resolve to prepare Panel of Examiners for each papers.

MEMBERS PRESENT:

1. Dr. M. Jeyakumar

M. Jeyakumar 28/3/15

2. Dr. K. M. Rajasekaran

K. M. Rajasekaran 28/3/15

3. Dr. D. Kannan

D. Kannan 28/3/15

4. Dr. A. Rajendran

A. Rajendran

5. Dr. K. Rajarathnam

K. Rajarathnam

6. Dr. Bagyalakshmi

Bagyalakshmi

7. Dr. G. Premkumar

G. Premkumar

8. Dr. S. Muthuramkumar

S. Muthuramkumar

9. Dr. N. NIRMAL KUMAR

N. N. K. Kumar

10. Dr. M. SURESH.

M. Suresh

11. A. MEENATCHI.

A. Meenatchi

12. B. SALOCIA FERNANDO

B. Salocia Fernando

Minutes of the M.Sc., Botany Board Meeting Held on 17/02/2018

- University Nominee : Dr. D. Ganesh
 Asst. Prof. & Head 6452-2682825
 Dept., of Plant Biotechnology 9486284825
 Madurai Kamaraj University
 Madurai.
- Subject Expert : Dr. M. Shanthi
 Asst. Prof. Dept., of Botany 8754320389
 SFR College for Women
 Sivakasi
- Dr. V. Mariappan
 Head & Assistant Professor, 9787912640
 Dept., of Botany,
 Raja Duraisingham Govt., Arts College
 Sivagangai - 630561
- Alumnus : Dr. V. Ramesh 9842629205
 Asst. Professor
 Dept., of Botany
 Vivekananda College.
- Industrialist : Mr. K. Kishore Kumar
 Uma Spirulina & Herbal Products
 1/5th-5 Periyavallikulam
 Vondhonnagar

1. Dr. A. Rajendran
 Assoc. Prof & HOD of Botany
2. Dr. K. Rajaratnam
 Assoc. Prof. in Botany
3. Tmt. B. Salovia Fernando
 Assoc. Prof. in Botany
4. Dr. P. Mehalingam Asst. Prof. in Botany
5. Dr. Bagyalakshmi Asst. Prof. in Botany
6. Dr. S. Muthu Ram Kumar Asst. Prof. in Botany
7. Dr. G. Paem Kumar Asst. Prof. in Botany
8. Dr. N. Nirmal Kumar Asst. Prof. in Botany
9. Dr. G. Mahendaa Perumal

The Present Curriculam of I Msc., Botany was reviewed and based on which it was found necessary to introduce a few changes in Semester I and II.

The course profile along with the syllabi of the modified Subjects were Presented.

In Semester I, *) the core Gymnosperms & Taxonomy of Angiosperms is changed to Taxonomy of Angiosperms (Applicable to 2018 June batch onwards).

*) Instrumentation and Biotechniques is shifted to II year, instead the Pteridophytes & Gymnosperms (Applicable to 2018 June batch) is added.

*) Changes have been Carried out in Cell biology and Internal Morphology.

*) LAB-I - Gymnosperms and Taxonomy of Angiosperms is changed to Taxonomy of Angiosperms, Pteridophytes and Gymnosperms. The maximum marks will be 100 (Scaled down to 60 Marks) Applicable to 2018 June batch onwards)

*) Changes have been Carried out in Pharmacology (elective 1) *) Lab II - includes Pteridophytes & Gymnosperms added as a New Paper. (Max. marks 100, Scale down to 60)

In Semester II

*) Algae, Lichen, Bryophytes & Pteridophytes is changed to Algae, Lichens & Bryophytes (Applicable to 2018 June batch onwards).

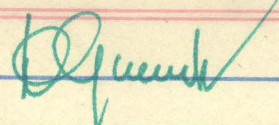
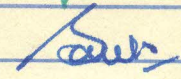


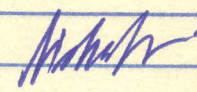
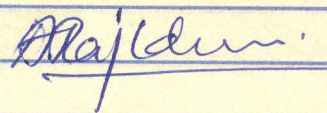
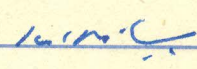
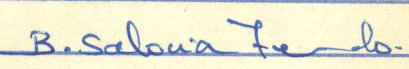
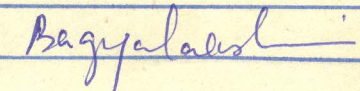
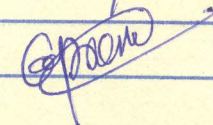
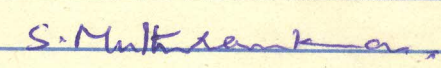
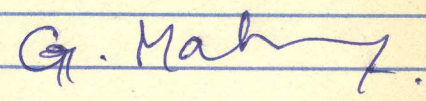
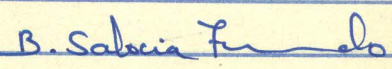
*) Lab III - Algae, Lichen, Bryophytes and Pteridophytes is changed to Algae, Lichen & Bryophytes (Max. marks will be 100, Scale down to 60, applicable to 2018 June batch)

*) Changes have been Carried out in the Genetics & Molecular Biology.

*) Changes have been Carried out in Environmental Biology.

*) In NME - Changes have been Carried out in Mushroom Cultivation.

MEMBERS PRESENT :-

1. DR. D. Ganesh 
2. DR. M. Shanthi 
3. DR. V. Mariappan 
4. Dr. V. Ramesh 
5. Ms. K. Kishore Kumar 
6. Dr. A. Rajendran 
7. Dr. K. Rajaratnam 
8. Mrs. B. Salocia Fernando 
9. Dr. Bagyalakshmi 
10. Dr. G. Prem Kumar 
11. Dr. S. Muthusaran Kumar 
12. Dr. G. Mahendra Perumal 
13. B. Salocia Fernando 

BOARD OF STUDIES MEETING OF B.Sc and M.Sc BOTANY HELD ON 23.02.2019

MINUTES OF THE MEETING

The Board of Studies Meeting of B.Sc and M.Sc Botany was held at 11.00 am in the Department of Botany. After having a detailed discussion, the Board resolved the following

II. B.Sc Botany

Core subject: Fungi, Lichens and Plant pathology

Resolved to include the following topics - contributions of Edwin John Butler & C. V. Subramaniyan, Vesicular arbuscular mycorrhiza (VAM) in Agriculture in Unit I and Sheath blight disease of paddy in the Unit V. Fungi in soil fertility, fungi as bio-control agent (Unit I), Structure and reproduction of *Parmelia* (Unit III) and Blast disease of rice are deleted (Unit V). Subtitles are given for the Units. 20% change was made in the above subject.

Core subject: Pteridophytes and Gymnosperms

Lycopodium is Shifted from Unit II to Unit I. *Gleichenia* is included in Unit II, Affinities of Gymnosperms with Pteridophytes and Angiosperms is included in Unit IV, Contribution of Biral Sahni and *Lepidodendron* in Unit V. 20% change was made in the above subject.

III B.Sc Botany (2019 - 2020 onwards)

Sem	Part	Subject
V	Core V	Biochemistry
	Core VI	Genetics and Plant Breeding
	Core VII	Taxonomy of Angiosperms
	Core Practical V	LAB: Biochemistry, Genetics and Plant Breeding & Taxonomy of Angiosperms
	Allied (b) - III	Cell Biology, Developmental Biology, Physiology, Immunology and Evolution
	Allied (b) - Practical III	LAB: Zoology
	Skill based subject V - General Studies	Employability Skills
	NME I	Plant utility & Exploitation
	Self Learning Courses:	Food science and Nutrition

VI	Core VIII	Plant Physiology
	Core IX	Biotechnology and Bioinformatics
	Core X	Microbiology
	Core Practical VI	LAB: Plant physiology, Biotechnology and Bioinformatics & Microbiology
	Allied (b) - IV	Commercial Zoology (Vermiculture, Apiculture, Aquaculture and Poultry Science and Dairy Farming)
	Allied (b) - Practical IV	LAB: Cell biology, Developmental biology, Physiology, Immunology and evolution & Commercial Zoology
	Skill based subject VI	Organic Farming (Revised)
	NME II	Mushroom Cultivation

Value added course

Resolved to introduce two value added courses:

1. Bio- resource for Human welfare
2. Mushroom production technology

For B.Sc and M.Sc Botany Students 30 hours

I M.Sc Botany

Semester I

Core subject: Gymnosperms and Taxonomy of Angiosperms

Resolved to introduce Gymnosperms and Taxonomy of Angiosperms as Core subject in the First semester replacing the existing subject Taxonomy of Angiosperms. 100% of change was made in the above subject.

Core subject: Cell biology and internal morphology

Resolved to included ATP Pumps $Na^+/K^+/Ca^+$ 2T pumps, uniport, symport, antiporter systems (Unit I) and Cytoskeleton- microtubules, microfilaments and intermediate filaments (Unit II). 10% of change was made in the above subject.

Core subject: Entrepreneur Botany

Resolved to introduce new subject Entrepreneur Botany replacing the existing subject of Pteridophytes and Gymnosperms. 100% of change was made in the above subject

Core subject: Pharmacognosy

Resolved to include classification of crude drugs in Unit I. 5% change was made in the above subject.

Semester II

Core subject: Algae, Lichens, Bryophytes and Pteridophytes

Resolved to introduce Algae, Lichens, Bryophytes and Pteridophytes as Core subject replacing the existing subject. 100% of change was made in the above subject.

Core subject: Genetics and Molecular Biology

Resolved to include topic is chloroplast and mitochondrial gene inheritance in Unit I. Transposable elements an overview is included (Unit IV). 20% of change was made in the above subject.

Core subject: Environmental Biology

Resolved to include the following topics - Remote sensing and GIS (Unit IV). Unit III and Unit IV interchanged. Subtitles are given for the Units. 5% of change was made in the above subject.

NME: Herbal Botany

Resolved to introduce new subject Herbal Botany - Non major elective subject replacing the existing subject Mushroom cultivation. 100% of change was made in the above subject

II M.Sc Botany

Semester III

Core subject: Microbiology, Fungi and Plant pathology

Resolved to include contribution of Edward Jenner & Alexander Fleming and bacteriological characteristics in Unit I. Contribution of Heinrich, Anton De Bary, Miles Joseph Berkeley and Edwin John Butler are included in Unit III. Viroids & Virions are deleted in Unit IV. Biochemical changes, blast disease of Rice and Yellow mosaic of Bhendi is included and Tomato spotted wilt Root Knot of meloidogyne is deleted (Unit V). Subtitles are given for the Units. 20% of change was made in the above subject.

Core subject: Biotechnology

Resolved to include the media and organ culture in embryo, anther and ovary culture in Unit IV. Nanoparticles synthesis from plants and properties, Advanced made with plant nanobionics-bomb detection, growing plants, augmented photosynthesis are included in Unit V. Oil eating superbugs is deleted (Unit V) . 20% of change was made in the above subject.

Core subject: Biochemistry

Resolved to Unit I and Unit II are interchanged. ETP chain and ATP synthesis is deleted (Unit III). 10% of change was made in the above subject.

Elective: Biodiversity and conservation

Resolved to include the Brief account on Biodiversity packages – Biodiversity, Pro past Estimates (Unit II) and wild life protection Act 1972 and PPVFR act 2001 (Unit V). 10% of change was made in the above subject.

Semester IV

Core subject: Plant physiology

Resolved to include the mechanism of stomatal movement (Unit II), Theories – starch, glycolate, K⁺ ions in detail (Unit II). Fermentation types is deleted (Unit IV). 10% of change was made in the above subject.

Core subject: Bioinformatics and Biostatistics

Resolved to delete the following topics such as Dynamic Programming- Smith Waterman/Needle man Wunsch algorithm (Unit II) and Maxam Gilbert method is deleted in Unit III. 10% of change was made in the above subject.

Core subject: Developmental botany



100% of change was made in the above subject.

Project

Resolved to include Project in the final semester and the ratio between the internal and external shall be 50:50. The external evaluation shall be done by conducting viva voce individually to all the candidates by the external examiner.

Panel of Examiners

Resolved to approve the panel of examiners prepared by the members of Board of studies

S.No.	Name and Official Address	Category	Signature
1.	Dr. D. Ganesh Associate Professor and Head Department of Plant Biotechnology School of Biotechnology Madurai Kamaraj University Madurai-625 021	University Nominee	
2.	Dr. V. Ramesh Assitant Professor and Department of Botany Vivekanda College, Madurai	Alumnus	
3.	Mr. K. Kishore Kumar Uma Spirulina and Herbal Products 1/54-5 Periyavallikulam Virudhunagar	Industrial Represtative	Absent

Staff members

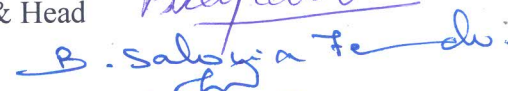
Dr. A. Rajendran

Associate Professor & Head



Mrs. B. Salocia Fernando

Associate Professor



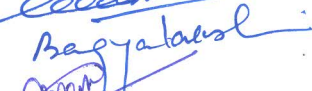
Dr. P. Mehalingam

Assistant Professor



Dr. Bagyalakshmi

Assistant Professor



Dr. G. Prem Kumar

Assistant Professor



Dr. S. Muthuramkumar

Assistant Professor



Dr. N. Nirmalkumar

Assistant Professor



Dr. G. Mahendrapuram

Assistant Professor



Dr. P. Periyakarupiah

Assistant Professor



BOARD OF STUDIES MEETING OF B.Sc BOTANY WAS HELD ON 29.02.2020

MINUTES OF THE MEETING

The Board of Studies Meeting of B.Sc Botany was held today at 10.30 a.m. in the Department of Botany. After having a detailed discussion, the Board resolved the following:

1. Resolved to revise the syllabus of the courses for III B.Sc Botany as follows:

Semester V

Subject/ Core/ Elective/SBE/ NME/ SLS	Title of the Existing course	Title of the Course after Revision	Focus on Employability/Entre preneurship/Skill Development	Revised/New/ No Change/ Interchanged. If revised % of change
Core V	Biochemistry	Biochemistry and Biotechniques	Skill Development	5 %
Core VI	Genetics and Plant Breeding	Genetics and Plant Breeding	Skill Development	10 %
Core VII	Taxonomy of Angioperms	Taxonomy of Angioperms	Skill Development	25 %
Core Practical V	Lab: Biochemitry, Genetics and Plant Breeding & Taxonomy of Angiosperms	Lab: Biochemitry and Biotechniques, Genetics and Plant Breeding & Taxonomy of Angiosperms	Skill Development	15 %
Allied (b) –III		Cell Biology, Developmental Biology, Physiology, Immunology and Evolution		
Allied (b) – Practical III		Lab:Cell Biology, Developmental Biology, Physiology, Immunology and Evolution & Commercial Zoology		
Skill V – General Studies	Employability Skills	Employability Skills	Employability	No change
NME I	Plant Utility and Exploitation	Plant Resources and Utilization	Employability, Entrepreneurship	10 %

Semester VI

Subject/ Core/ Elective/ SBE/ NME/ SLS	Title of the Existing course	Title of the Course after Revision	Focus on Employability/Entre- preneurship/Skill Development	Revised/New/ No Change/ Interchanged. If revised % of change
Core VIII	Plant Physiology	Plant Physiology	Skill Development	5 %
Core IX	Microbiology	Microbiology and Biotechnology	Employability, Skill Development	New Paper
Core X	Biotechnology	Organic Farming	Employability, Entrepreneurship, Skill Development	New Paper
Core Practical VI	Lab: Plant Physiology, Microbiology & Biotechnology	Lab: Plant Physiology, Microbiology & Biotechnology and Organic Farming	Employability, Entrepreneurship, Skill Development	New Paper
Allied (b) -IV		Commercial Zoology (Vermiculture, Apiculture, Aquaculture and Poultry Science and Dairy Farming)		
Allied (b) – Practical IV		Lab:Cell Biology, Developmental Biology, Physiology, Immunology and Evolution & Commercial Zoology		
Skill VI – General Studies	Biodiversity and Conservation	Project work	Employability, Entrepreneurship, Skill Development	New Paper
NME II	Mushroom Cultivation	Mushroom Cultivation	Employability, Entrepreneurship	2%

The detailed syllabus passed in the Board of Studies Meeting is given in Annexure – I.

2. Resolved to include **Project** in the final semester and the maximum marks shall be 100. There shall be both internal and external valuation in the ratio of **50:50**
3. Resolved to approve the panel of Examiners suggested by the members of the Board as given in Annexure – II.
4. (Any other resolutions passed in the meeting)
Detailed discussion, the Board resolved - Annexure – III

Members Present

S.No	Name and Official Address	Category	Signature
1.	Dr. R. Aruna Assistant Professor Department of Botany Thiagarajar College (Autonomous) Madurai	University Nominee	Aruna. P 29/02/2020
2.	Dr. K. Jegatheesan Assistant Professor Department of Botany Thiagarajar College(Autonomous) Madurai	Subject Expert	K. Jegatheesan 29/2/20
3.	Dr. R. Ramasubbu Associate Professor Department of Botany Gandhigram Rural Institute -Deemed University, Gandhigram	Subject Expert	R. Ramasubbu
4.	Dr. V. Ramesh Assistant Professor and Head Department of Botany Vivekananda College (Autonomous) Thiruvudagam, Madurai	Alumnus	V. Ramesh
5.	Mr. K. Kishore Kumar, Uma Spirulina and Herbal Products, Virudhunagar.	Industrial Representative	K. Kishore Kumar

Faculty Members

S.No	Name and Designation	Signature
1.	Mrs.B.Salocia Fernando, Associate Professor & Head	B. Salocia Fernando 29/2/2020
2.	Dr. P. Mehalingam, Assistant Professor	P. Mehalingam 29/2/2020
3.	Dr.Bagyalakshmi, Assistant Professor	Bagyalakshmi 29/2/2020
4.	Dr.G. Prem Kumar, Assistant Professor	G. Prem Kumar 29/2/2020
5.	Dr. S. Muthuramkumar, Assistant Professor	S. Muthuramkumar 29/02/2020
6.	Dr. N. Nirmal Kumar, Assistant Professor	N. Nirmal Kumar
7.	Dr. G. MahendraPerumal, Assistant Professor	G. MahendraPerumal 29/2/2020
8.	Dr. P. Periya Karupiah, Assistant Professor	P. Periya Karupiah
9.	Dr.M.Suresh, Assistant Professor	M. Suresh

3. Resolved to approve the Panel of Examiners suggested by the members of the Board

Annexure - II

UG & PG BOTANY EXTERNAL EXAMINERS

Dr.D. Kannan Assistant Professor Department of Botany Thiyagaraja College(Autonomous) Madurai.	Dr.S. Karuppasamy Assistant Professor Department of Botany Madura College(Autonomous) Madurai.
Dr.B.Karunaiselvi Assistant Professor Department of Botany V.V.Vanniaperumal College(Autonomous) Virudhunagar.	Dr.V.Mariappan Head and Assistant Professor Department of Botany Raja Duraisingam Government Arts College Sivagangai.
Dr.K. Jegatheesan Assistant Professor Department of Botany Thiyagaraja College(Autonomous) Madurai.	Dr.D . Stephen Assistant Professor Department of Botany The American College Madurai.
Dr.M. Viji Assistant Professor Department of Botany Thiyagaraja College(Autonomous) Madurai.	Dr.N.Tensingh Baliah Assistant Professor Department of Botany ANJAC College(Autonomous) Sivakasi.
Dr.E.G.Wesely Assistant Professor Department of Botany Aringar Anna Government Arts College Namakkal.	Dr.A.Saravanagandhi, Assistant Professor and Head Department of Botany Rani Anna Government Arts College Tirunelveli.
Dr.R. Ramasubbu Associate Professor Department of Botany Gandhigram Rural Institute – Deemed University Gandhigram.	Dr.V.Ramesh, Assistant Professor Department of Botany Vivekananda College, Tiruvedakam West, Madurai.
Dr.M.Johnson Assistant Professor Department of Botany St.Xavier,s College(Autonomous) Palayamkottai.	Dr.M.Jeya Jothi Assistant Professor Department of Botany Loyola College(Autonomous) Chennai.
Dr.T. Ponrathy Assistant Professor and Head Department of Botany Kamaraj College (Autonomous) Thoothukudi.	

Annexure- III

The Board of Studies Meeting of B.Sc Botany was held at 10.30 am in the Department of Botany. After having a detailed discussion, the Board resolved the following:

Resolved to revise the syllabus of III B.Sc Botany as follows:

Core V - Biochemistry and Bio-techniques

As per the suggestion of Board of studies committee, it was resolved to change the course outcomes and also the following corrections were carried out.

Unit- I: ATP- energy currency was deleted;

Unit-II: Structure and functions of glucose and sucrose were incorporated

Unit-III, IV& V: Resolved to incorporate minor changes suggested by the committee.

Percentage of Changes made is 5 %

Core VI - Genetics and Plant Breeding

As per the suggestion of Board of studies committee, it was resolved to change the course outcomes, resolved to change the Institutional visit and also the following corrections were carried out.

Unit-I: A brief account of Mendel's Law of heredity is changed as Mendel's Law of Inheritance. Dominant and recessive epistasis were added; and Comb types in fowls was deleted.

Unit-II: Determination of sex in plants is changed as Types of sex determination.

Unit-III: Types of DNA was added. Mechanism of biosynthesis of protein was deleted. Prokaryotic Transcription and Translation was included.

Unit-IV: Resolved to incorporate minor changes suggested by the committee.

Unit-V: No change.

Institutional visit to Sugar breeding institute and IFGTB, Coimbatore was suggested.

Percentage of Changes made is 10 %

Core VII - Taxonomy of Angiosperms

Resolved to keep the Unit-II as Unit-I.

Unit I - Resolved to have a brief study of APG. BSI and Herbarium techniques are included.

Unit II - Resolved to include venation, placentation and types of fruits and leaf margin is deleted. Sex distribution and symmetry are deleted.

Unit III - Malvaceae is placed before Caesalpiaceae.

Unit V - Amaranthaceae and Cyperaceae were deleted and Nyctaginaceae and Poaceae are included. Plant systematics by Simpson is included in reference books.

Percentage of Changes made is 25 %

LAB-V: Biochemistry and Biotechniques, Genetics and Plant Breeding & Taxonomy of Angiosperms

As per the suggestion of Board of studies committee, it was resolved to change the course outcomes and also the following corrections were carried out.

Biochemistry and Biotechniques - Resolved to include Estimation of amino acids and Protein, Qualitative tests for Carbohydrates, Protein, Amino acid and Lipids.

Genetics and Plant Breeding - Resolved to incorporate the minor changes suggested by the committee.

Taxonomy of Angiosperms- Resolved to prepare of Herbarium for 15 plants.

Percentage of Changes is 10 %

NME I - Plant utility & Exploitation

Resolved to change the title of the paper as **Plant Resources and Utilization**.

Unit I - additional information added as Cereals - Paddy, Wheat. In Pulses - Horse gram is deleted, In fruits Apple, Pine apple, Pomegranate and Grapes are deleted, Banana is added.

Unit II - Haematoxylin is deleted. Nuts of Cashew and Almond are added.

Percentage of Changes is 10 %

Core VIII - Plant Physiology

Unit IV - Resolved to incorporate Cryptochrome.

Percentage of Changes is 5 %.

Core IX - Microbiology and Biotechnology

New paper

Core X - Organic Farming

New paper

NME II – Mushroom Cultivation

Resolved to remove Physiological Diseases from Unit - IV

PROJECT

Resolved to carry out project by the final year students in the sixth semester under the guidance of respective guides. The Project work or Field Study is to be undertaken under the guidance of a Teacher of the Department. Projects will be carried out in groups (with maximum of 5 students per group). For projects internal marks (max 50) will be awarded by the respective guide and external marks (max 50) will be awarded by the external examiner during summative practical examination.



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BOARD OF STUDIES MEETING OF B.Sc Botany HELD ON 28.04.2021

MINUTES OF THE MEETING

The Board of Studies Meeting of B.Sc Botany was held today at 11.00a.m. in the Department of Botany. After having a detailed discussion, the Board resolved the following:

LIST OF BOARD OF STUDIES MEMBERS:

S.No.	Name and Official Address	Category
1.	B. Salocia Fernando Associate Professor and Head Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Chairperson
2.	Dr. R. Aruna Assistant Professor, Department of Botany, Thiagarajar College, # 139-140, Kamarajar Salai, Madurai - 625009 Email: arsbot@gmail.com Mobile: 8807252842	University Nominee
3.	Dr. K. Jegatheesan Assistant Professor Department of Botany Thiagarajar College # 139-140, Kamarajar Salai, Madurai - 625009 Email: jegatheesank@gmail.com Mobile: 9443867924	Subject Expert
4.	Dr. R. Ramasubbu Associate Professor Department of Botany Gandhigram Rural Institute (Deemed University) Gandhigram Email: racprabha@yahoo.com Mobile: 9488591719	Subject Expert
5.	Dr. V. Ramesh Assistant Professor in Botany Vivekananda College Thiruvedagam, Madurai. Email: ramesh.vnr09@gmail.com Mobile: 9842629245	Alumnus



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6.	Mr. K. Kishore Kumar, Uma Spirulina and Herbal Products, 1/54-5 Periyavallikulam, Virudhunagar. Email : kishorevnr@yahoo.com Mobile: 9842017477	Industrial Representative
7.	Dr. P. Mehalingam Assistant Professor	Member
8.	Dr. Bagyalakshmi Assistant Professor	Member
9.	Dr. G. Premkumar Assistant Professor	Member
10.	Dr. S. Muthuramkumar Assistant Professor	Member
11.	Dr. N. Nirmal Kumar Assistant Professor	Member
12.	Dr. G. MahendraPerumal Assistant Professor	Member
13.	Dr. P. Periyakaruppiah Assistant Professor	Member
14.	Dr. M. Suresh Assistant Professor	Member



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1. Resolved to or revise/modify the syllabus of the courses for **B.Sc Botany** as follows from June 2021 onwards:

Semester : I

Semester :

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on Employability / Entrepreneurship / Skill Development	Revised / New / No Change / Interchanged If revised % of change
Core I	Cell Biology and Plant Anatomy	Algae and Bryophytes	Skill Development	Interchanged from II semester to I Semester

Semester : II



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Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on Employability / Entrepreneurship / Skill Development	Revised / New / No Change / Interchanged If revised % of change
Core II	Algae and Bryophytes	Herbal Technology	Employability Entrepreneurship Skill Development	New
SBE 4	Medicinal Botany	Techniques in Cell Biology	Employability Skill Development	New

The detailed syllabus passed in the Board of Studies Meeting is given in Annexure – I.

2. A new skill development course titled 'Techniques in Cell Biology' has been introduced in the second semester for the B.Sc Botany programme from June 2021 onwards. In order to impart the skill component and develop critical abilities among students, we innovatively designed the course curriculum as fully practical which gives more emphasis to hands on training to the students about instruments and techniques associated with Cell Biology. The formative (internal) practical assessment mark for this course is 25 and summative (external) practical assessment mark is 75. The mode of valuation is completely by the Internal Examiner only. This skill based course 'Techniques in Cell Biology' is placed before the Board of Studies meeting held on 28-04-2021 through Google meet and approved in BOS.



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Members Present:

Name	Category	Signature
B. Salocia Fernando	Chairman	
Dr. R. Aruna	University Nominee	
Dr. K. Jegatheesan	Subject Expert	
Dr. R. Ramasubbu	Subject Expert	
Dr. V. Ramesh	Alumnus	
Mr. K. Kishore Kumar	Corporate Sector	
Dr. P. Mehalingam	Member	
Dr. Bagyalakshmi	Member	
Dr. G. Premkumar	Member	
Dr. S. Muthuramkumar	Member	
Dr. N. Nirmal Kumar	Member	
Dr. G. MahendraPerumal	Member	
Dr. P. Periyakaruppiyah	Member	
Dr. M. Suresh	Member	

**BOARD OF STUDIES MEETING OF BOTANY HELD ON 19.03.2022****MINUTES OF THE MEETING**

The Board of Studies Meeting of **B.Sc BOTANY** was held today at A.Murugan Memorial Hall in the Department of **BOTANY**. After having a detailed discussion, the Board resolved the following:

1. Resolved to revise the syllabus of the courses for I year **B.Sc BOTANY** and **M.Sc BOTANY** as follows:

Semester I

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on Employability / Entrepreneurship / Skill Development	Revised / New / No Change / Interchanged If revised % of change
Core- I	Algae and Bryophytes	Algae and Bryophytes	Skill development	Revised 10%
Core- LAB I:	Algae and Bryophytes	Algae and Bryophytes	Skill development	Revised 10%
SBE 1	LAB : Horticulture	LAB : Horticulture	Employability, Entrepreneurship and Skill Development	Revised 100%
SBE 2:	Embryology of Angiosperms	Embryology of Angiosperms	Skill development	Revised 10%

Semester II

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on Employability / Entrepreneurship / Skill Development	Revised / New / No Change / Interchanged If revised % of change
Core II	Herbal Technology	Herbal Technology	Employability, Entrepreneurship and Skill Development	Revised 10%
Core - LAB	Herbal Technology	Herbal Technology	Employability, Entrepreneurship	Revised 5%



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II:			and Skill Development	
SBE III:	Plant Ecology and Phytogeography	Plant Ecology and Phytogeography	Skill development	Revised 10%
SBE IV:	LAB: Techniques in Cell Biology	LAB: Techniques in Cell Biology	Employability and Skill Development	Revised 10%

Resolved to revise the syllabus of the courses for I year **M.Sc BOTANY** as follows:

Semester I

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on Employability / Entrepreneurship / Skill Development	Revised / New / No Change / Interchanged If revised % of change
Core I	Gymnosperms and Taxonomy of Angiosperms	Gymnosperms and Taxonomy of Angiosperms	Skill Development	Revised - 20%
Core II	Cell Biology and Internal Morphology	Cell Biology and Internal Morphology	Skill Development	Revised - 20%
Core III	Entrepreneur Botany	Entrepreneur Botany	Employability, Entrepreneurship and Skill Development	Revised - 50%
Core IV	LAB I: Gymnosperms and Taxonomy of Angiosperms	LAB I: Gymnosperms and Taxonomy of Angiosperms	Skill Development	Revised - 10%
Core V	LAB II : Cell Biology and Internal Morphology & Entrepreneur Botany	LAB II : Cell Biology and Internal Morphology & Entrepreneur Botany	Employability, Entrepreneurship and Skill Development	Revised - 30%
Elective I	Pharmacognosy	Pharmacognosy	Employability	Revised - 20%

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Semester II

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on Employability / Entrepreneurship / Skill Development	Revised / New / No Change / Interchanged If revised % of change
Core VI	Algae, Lichens, Bryophytes and Pteridophytes	Algae, Lichens, Bryophytes and Pteridophytes	Skill Development	Revised - 20%
Core VII	Genetics and Molecular Biology	Genetics and Molecular Biology	Employability and Skill Development	Revised - 10%
Core VIII	Environmental Biology	Environmental Biology	Employability and Skill Development	Revised - 10%
Core IX	LAB III: Algae, Lichens, Bryophytes and Pteridophytes	LAB III: Algae, Lichens, Bryophytes and Pteridophytes	Skill Development	Revised - 10%
Core X	LAB IV :Genetics, Molecular Biology and Environmental Biology	LAB IV :Genetics, Molecular Biology and Environmental Biology	Employability and Skill Development	Revised - 20%
NME	Herbal Botany	Herbal Botany	Employability	Revised – 20%



2. Resolved to approve the panel of Examiners suggested by the members of the Board as given in Annexure – II.

Annexure – II

PANEL OF EXAMINERS FOR PG COURSE

Sl.No	Name and Address of the Examiner
1.	Dr. N. Senthilkumar Associate Professor and Head, Centre for Research and P.G. Studies in Botany Ayya Nadar Janaki Ammal College (Autonomous) Srivilliputtur Road, Sivakasi - 626 124 Email: senthilkumarin@yahoo.co.in Mobile: 9443854694
2.	Dr. V. Mariappan, Assistant Professor and Head Department of Botany RD Government Arts College Manamadurai Road, Sivagangai Tamil Nadu - 630 561 Mail: dappan@rocketmail.com Mobile: 8681997418
3.	Dr. K.JEGATHEESAN Assistant Professor Department of Botany Thiagarajar College, Madurai Mobile:9443867924

PANEL OF EXAMINER FOR UG COURSE

1.	Dr.C.Pothiraj Assistant Professor in Botany Government Arts college, Melur Email: pothirajchinnathambi71@gmail.com Mobile: 6379760936
2.	Dr.V.Ramesh Assistant Professor and Head Department of Botany Vivekanda college, Thiruvudagam, Madurai Email: ramesh.vnr09@gmail.com Mobile: 9842629245
3.	Mrs.A.P.Gowsalya Devi Assistant Professor Department of Botany SFR College For Women Sivakasi - 626123 E-Mail: gowsalyadevi-bot@sfrcollege.edu.in Mobile: 9443119605



3. Resolutions passed in the meeting

The entire skeleton for B.Sc Botany and M.Sc Botany were discussed in the meeting and got approved.

SEMESTER III

S. No.	Part	Course Code	Course Title	Hours	Credit	Marks			Focus on Employability/ Entrepreneurship/ Skill Development	Revised/ New/ No Change/ Interchanged. (If revised % of change)
						I	E	Total		
1	Part 1	U3PT3/ U1PH3	Tamil / Hindi	6	3	25	75	100		
2	Part 2	U3PE3	English	6	3	25	75	100		
3	Core V	U3BYC 3	Fungi, Lichens and Plant pathology	4	4	25	75	100	Skill Development	
4	Core VI- LAB - III	U3BYC 3P	LAB: Fungi, Lichens and Plant Pathology	2	1	40	60	100	Skill Development	
5	Allied		General Chemistry	4	4	25	75	100		
6	Allied Lab	—	LAB: Chemistry	2	-					
7	Allied		General Zoology	4	4	25	75	100		
8	Allied Lab	—	LAB: Zoology	2	-					
	Total			30	19					

SEMESTER IV

S.No.	Part	Course Code	Course Title	Hours	Credit	Marks			Focus on Employability/ Entrepreneurship/ Skill Development	Revised/ New/ No Change/ Interchanged. (If revised % of change)
						I	E	Total		
1	Part I	U2PT4/ U1PH4	Tamil /Hindi	6	3	25	75	100		
2	Part II	U3PE4	English	6	3	25	75	100		
3	Core - VII	U2BYC 4	Pteridophytes and Gymnosperms	4	4	25	75	100	Skill Development	
6	Core- VIII - Lab - IV	U2BYC 4P	LAB: Pteridophytes and Gymnosperms	2	1	40	60	100	Employability, Entrepreneurship and Skill Development	
7	Allied		General Chemistry	4	4	25	75	100		



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8	Allied Lab	—	LAB: Chemistry	2	2	40	60	100		
	Allied		General Zoology	4	4	25	75	100		
	Allied Lab	—	LAB: Zoology	2	2					
	Total			30	23					

SEMESTER V

S. No.	Part	Course Code	Course Title	Hours	Credit	Marks			Focus on Employability/ Entrepreneurship/ Skill Development	Revised/ New/ No Change/ Interchanged. (If revised % of change)
						I	E	Total		
1	Core IX	U3BYC51	Biochemistry and Biotechniques	5	5	25	75	100	Employability, Entrepreneurship and Skill Development	
2	Core X	U3BYC52	Genetics and Plant Breeding	4	5	25	75	100	Skill Development	
	Core XI	U3BYC53	Taxonomy of Angiosperms	5	4	25	75	100	Skill Development	
3	Core XII - Lab V	U3BYC5P	Lab: Biochemistry and Biotechniques, Genetics and Plant Breeding & Taxonomy of Angiosperms	6	4	40	60	100	Employability, Entrepreneurship and Skill Development	
4	Allied (b) - III	U3ZYA5X3	Anc-Zoology	4	4	40	60	100		
5	Allied (b) - Practical III	—	LAB: I Zoology	2	-					
6	SBE V - General Studies	U1PS51	Employability Skills	2	2	25	75	100		
7	NME I	U3BYN51	Plant Resources and Utilization	2	2	25	75	100	Employability and Skill Development	
	Total			30	26					



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SEMESTER VI

S.No.	Part	Course Code	Course Title	Hours	Credit	Marks			Focus on Employability/ Entrepreneurship/ Skill Development	Revised/ New/ No Change/ Interchanged. (If revised % of change)
						I	E	Total		
1	Core XIII	U3BYC61	Plant Physiology	5	5	25	75	100	Skill Development	
2	Core XIV	U3BYC62	Microbiology and Biotechnology	5	5	25	75	100	Employability and Skill Development	
	Core XV	U3BYC63	Organic Farming	4	4	25	75	100	Employability, Entrepreneurship and Skill Development	
3	Core Practical XVI Lab-VI	U3BYC6P	Lab: Plant Physiology, Microbiology and Biotechnology and Organic Farming	6	4	40	60	100	Employability, Entrepreneurship and Skill Development	
5	Allied (b) -IV	U3ZYA6X4	Commercial Zoology	4	4	40	60	100		
6	Allied (b) - Practical IV	U3ZYA6PX	LAB: Zoology	2	2	40	60	100		
7	SBE- VI	U1BY6PR	Project work	2	2	50	50	100	Employability, Entrepreneurship and Skill Development	
8	NME II	U3BYN61	Mushroom Cultivation	2	2	25	75	100	Employability, Entrepreneurship	
	Total			30	28					

SUMMARY

S.No.	Semester	No. of Courses	Hours	Credit	Marks		
					I	E	Total
1	I	9	30	24	215	585	800
2	II	9	30	23	255	645	900
3	III	8	30	19	255	645	
4	IV	8	30	23			
5	V	8	30	24			
6	VI	8	30	27			
7	Total	50	180	140			

Total Credits for UG – 140 / PG – 90



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SEMESTER III

S.No	Part	Course Title	Hours	Credit	Marks			Focus on Employability/ Entrepreneurship/ Skill Development	Revised/ New/ No Change/ Interchanged. (If revised % of change)
					I	E	Total		
1	Core XI	Microbiology, Fungi and Plant Pathology	6	4	40	60	100	Skill Development	
2	Core XII	Biotechnology	5	4	40	60	100	Employability and Skill Development	
3	Core XIII	Biochemistry	6	4	40	60	100	Employability and Skill Development	
4	Core XIV	Lab - V: Microbiology, Fungi and Plant Pathology and Biotechnology	4	3	40	60	100	Employability and Skill Development	
5	Core XV	Lab - VI: Biochemistry	4	3	40	60	100	Employability and Skill Development	
6	Elective II	Biodiversity & Conservation	5	5	40	60	100	Employability	
Total			30	23	240	360	600		
SLC - Forestry			-	5	-	100	100		



SEMESTER IV

S.No	Course code	Part	Course Title	Hours	Credit	Marks			Focus on Employability/ Entrepreneurship/ Skill Development	Revised/ New/ No Change/ Interchanged. (If revised % of change)
						I	E	Total		
1		Core XVI	Plant Physiology	5	4	40	60	100	Skill Development	
2		Core XVII	Bioinformatics and Biostatistics	5	4	40	60	100	Employability and Skill Development	
3		Core XVIII	Developmental Botany	5	4	40	60	100	Skill Development	
4		Core XIX	Lab – VII: Plant Physiology	4	3	40	60	100	Skill Development	
5		Core XX	LAB -VII: Bioinformatics and Biostatistics & Developmental Botany	5	3	40	60	100	Employability and Skill Development	
6		Elective III/ Project	Project work	6	5	50	50	100	Employability, Entrepreneurship and Skill Development	
Total				30	23	250	350	600		

SUMMARY

S.No.	Semester	No. of Courses	Hours	Credit	Marks		
					I	E	Total
1	I	6	30	22	240	360	600
2	II	6	30	22	240	360	600
3	III	6	30	23	240	360	600
4	IV	6	30	23	250	350	600
	Total		120	90	970	1430	2400



VIRUDHUNAGAR HINDU NADARS' SENTHIKUMARA NADAR COLLEGE


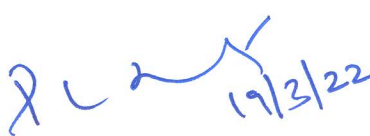


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It is resolved to change the skill based paper “Horticulture” in the First semester of B.Sc. Botany as practical paper and is to be evaluated totally by internal examiners. The Internal examination will be for 40 marks and external examination for 60 marks.

Members Present:

Name	Category	Signature
B. Salocia Fernando Associate Professor and Head Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Chairman	
Dr. S. Chandrasekaran Chairperson, Department of Plant Morphology and Algology & Plant Sciences, School of Biological Sciences, Madurai Kamaraj University, Madurai-625 021 Email: csekarana.biological@mkuniversity.org Mobile: 94420 59666	University Nominee	-
Dr. P.Kannan Assistant Professor in Botany The Madura College, Madurai-625 011 Email: pkannan2005@gmail.com Mobile: 94445 35687	Subject Expert	 19/3/22
Dr. A. Saravana Ganthi Head and Assistant Professor Rani Anna Government College for women Gandhi Nagar, Tirunelveli- 627 008 Email: saragan@rediffmail.com Mobile: 94429 08041	Subject Expert	 19/3/22
Dr.M. Kalusalingam Assistant Professor PG and Research Department of Botany, Arignar Anna Govt Arts College Sanyasikaradu Post, Namakkal 637002 Email: mkalusan@gmail.com Mobile: 95664 67857	Alumnus	 19/3/22

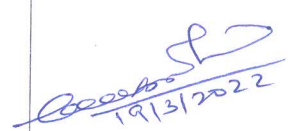


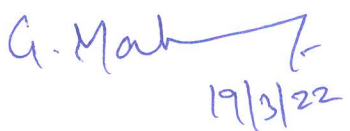


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(An Autonomous Institution Affiliated to Madurai Kamaraj University)

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Virudhunagar – 626 001.

P. Shanmugapriyan BSc DMW Country Drugs Merchant 376A/9 Ayyappan Koil St, Madurai road, Theni – 625 531 Mobile: 88255 25694	Corporate Sector	
Dr.P. Mehalingam Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 19/3/2022
Dr. Bagyalakshmi Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	
Dr.G.Premkumar Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 19/3/22
Dr.S.Muthuramkumar Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 19/03/2022
Dr.N.Nirmalkumar Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 19/3/2022
Dr.G.Mahendra Perumal Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 19/3/22
Dr.P.Periyakarupiah Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 19/3/2022
Dr.M.Suresh Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 19/03/2022

**BOARD OF STUDIES MEETING OF BOTANY HELD ON 19.03.2022****MINUTES OF THE MEETING**

The Board of Studies Meeting of **B.Sc BOTANY** was held today at A.Murugan Memorial Hall in the Department of **BOTANY**. After having a detailed discussion, the Board resolved the following:

1. Resolved to revise the syllabus of the courses for I year **B.Sc BOTANY** and **M.Sc BOTANY** as follows:

Semester I

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on Employability / Entrepreneurship / Skill Development	Revised / New / No Change / Interchanged If revised % of change
Core- I	Algae and Bryophytes	Algae and Bryophytes	Skill development	Revised 10%
Core- LAB I:	Algae and Bryophytes	Algae and Bryophytes	Skill development	Revised 10%
SBE 1	LAB : Horticulture	LAB : Horticulture	Employability, Entrepreneurship and Skill Development	Revised 100%
SBE 2:	Embryology of Angiosperms	Embryology of Angiosperms	Skill development	Revised 10%

Semester II

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on Employability / Entrepreneurship / Skill Development	Revised / New / No Change / Interchanged If revised % of change
Core II	Herbal Technology	Herbal Technology	Employability, Entrepreneurship and Skill Development	Revised 10%
Core - LAB	Herbal Technology	Herbal Technology	Employability, Entrepreneurship	Revised 5%



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II:			and Skill Development	
SBE III:	Plant Ecology and Phytogeography	Plant Ecology and Phytogeography	Skill development	Revised 10%
SBE IV:	LAB: Techniques in Cell Biology	LAB: Techniques in Cell Biology	Employability and Skill Development	Revised 10%

Resolved to revise the syllabus of the courses for I year **M.Sc BOTANY** as follows:

Semester I

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on Employability / Entrepreneurship / Skill Development	Revised / New / No Change / Interchanged If revised % of change
Core I	Gymnosperms and Taxonomy of Angiosperms	Gymnosperms and Taxonomy of Angiosperms	Skill Development	Revised - 20%
Core II	Cell Biology and Internal Morphology	Cell Biology and Internal Morphology	Skill Development	Revised - 20%
Core III	Entrepreneur Botany	Entrepreneur Botany	Employability, Entrepreneurship and Skill Development	Revised - 50%
Core IV	LAB I: Gymnosperms and Taxonomy of Angiosperms	LAB I: Gymnosperms and Taxonomy of Angiosperms	Skill Development	Revised - 10%
Core V	LAB II : Cell Biology and Internal Morphology & Entrepreneur Botany	LAB II : Cell Biology and Internal Morphology & Entrepreneur Botany	Employability, Entrepreneurship and Skill Development	Revised - 30%
Elective I	Pharmacognosy	Pharmacognosy	Employability	Revised - 20%

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Semester II

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on Employability / Entrepreneurship / Skill Development	Revised / New / No Change / Interchanged If revised % of change
Core VI	Algae, Lichens, Bryophytes and Pteridophytes	Algae, Lichens, Bryophytes and Pteridophytes	Skill Development	Revised - 20%
Core VII	Genetics and Molecular Biology	Genetics and Molecular Biology	Employability and Skill Development	Revised - 10%
Core VIII	Environmental Biology	Environmental Biology	Employability and Skill Development	Revised - 10%
Core IX	LAB III: Algae, Lichens, Bryophytes and Pteridophytes	LAB III: Algae, Lichens, Bryophytes and Pteridophytes	Skill Development	Revised - 10%
Core X	LAB IV :Genetics, Molecular Biology and Environmental Biology	LAB IV :Genetics, Molecular Biology and Environmental Biology	Employability and Skill Development	Revised - 20%
NME	Herbal Botany	Herbal Botany	Employability	Revised – 20%



2. Resolved to approve the panel of Examiners suggested by the members of the Board as given in Annexure – II.

Annexure – II

PANEL OF EXAMINERS FOR PG COURSE

Sl.No	Name and Address of the Examiner
1.	Dr. N. Senthilkumar Associate Professor and Head, Centre for Research and P.G. Studies in Botany Ayya Nadar Janaki Ammal College (Autonomous) Srivilliputtur Road, Sivakasi - 626 124 Email: senthilkumarin@yahoo.co.in Mobile: 9443854694
2.	Dr. V. Mariappan, Assistant Professor and Head Department of Botany RD Government Arts College Manamadurai Road, Sivagangai Tamil Nadu - 630 561 Mail: dappan@rocketmail.com Mobile: 8681997418
3.	Dr. K.JEGATHEESAN Assistant Professor Department of Botany Thiagarajar College, Madurai Mobile:9443867924

PANEL OF EXAMINER FOR UG COURSE

1.	Dr.C.Pothiraj Assistant Professor in Botany Government Arts college, Melur Email: pothirajchinnathambi71@gmail.com Mobile: 6379760936
2.	Dr.V.Ramesh Assistant Professor and Head Department of Botany Vivekanda college, Thiruvudagam, Madurai Email: ramesh.vnr09@gmail.com Mobile: 9842629245
3.	Mrs.A.P.Gowsalya Devi Assistant Professor Department of Botany SFR College For Women Sivakasi - 626123 E-Mail: gowsalyadevi-bot@sfrcollege.edu.in Mobile: 9443119605



3. Resolutions passed in the meeting

The entire skeleton for B.Sc Botany and M.Sc Botany were discussed in the meeting and got approved.

SEMESTER III

S. No.	Part	Course Code	Course Title	Hours	Credit	Marks			Focus on Employability/ Entrepreneurship/ Skill Development	Revised/ New/ No Change/ Interchanged. (If revised % of change)
						I	E	Total		
1	Part 1	U3PT3/ U1PH3	Tamil / Hindi	6	3	2 5	7 5	100		
2	Part 2	U3PE3	English	6	3	2 5	7 5	100		
3	Core V	U3BYC 3	Fungi, Lichens and Plant pathology	4	4	2 5	7 5	100	Skill Development	
4	Core VI- LAB - III	U3BYC 3P	LAB: Fungi, Lichens and Plant Pathology	2	1	4 0	6 0	100	Skill Development	
5	Allied		General Chemistry	4	4	2 5	7 5	100		
6	Allied Lab	—	LAB: Chemistry	2	-					
7	Allied		General Zoology	4	4	2 5	7 5	100		
8	Allied Lab	—	LAB: Zoology	2	-					
	Total			30	19					

SEMESTER IV

S.No.	Part	Course Code	Course Title	Hours	Credit	Marks			Focus on Employability/ Entrepreneurship/ Skill Development	Revised/ New/ No Change/ Interchanged. (If revised % of change)
						I	E	Total		
1	Part I	U2PT4/ U1PH4	Tamil /Hindi	6	3	2 5	7 5	100		
2	Part II	U3PE4	English	6	3	2 5	7 5	100		
3	Core - VII	U2BYC 4	Pteridophytes and Gymnosperms	4	4	2 5	7 5	100	Skill Development	
6	Core- VIII - Lab - IV	U2BYC 4P	LAB: Pteridophytes and Gymnosperms	2	1	4 0	6 0	100	Employability, Entrepreneurship and Skill Development	
7	Allied		General Chemistry	4	4	2 5	7 5	100		



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8	Allied Lab	—	LAB: Chemistry	2	2	4	6	0	0	100		
	Allied		General Zoology	4	4	2	7	5	5	100		
	Allied Lab	—	LAB: Zoology	2	2							
	Total			30	23							

SEMESTER V

S. No.	Part	Course Code	Course Title	Hours	Credit	Marks			Focus on Employability/ Entrepreneurship/ Skill Development	Revised/ New/ No Change/ Interchanged. (If revised % of change)
						I	E	Total		
1	Core IX	U3BYC51	Biochemistry and Biotechniques	5	5	25	75	100	Employability, Entrepreneurship and Skill Development	
2	Core X	U3BYC52	Genetics and Plant Breeding	4	5	25	75	100	Skill Development	
	Core XI	U3BYC53	Taxonomy of Angiosperms	5	4	25	75	100	Skill Development	
3	Core XII - Lab V	U3BYC5P	Lab: Biochemistry and Biotechniques, Genetics and Plant Breeding & Taxonomy of Angiosperms	6	4	40	60	100	Employability, Entrepreneurship and Skill Development	
4	Allied (b) - III	U3ZYA5X3	Anc-Zoology	4	4	40	60	100		
5	Allied (b) - Practical III	—	LAB: I Zoology	2	-					
6	SBE V - General Studies	U1PS51	Employability Skills	2	2	25	75	100		
7	NME I	U3BYN51	Plant Resources and Utilization	2	2	25	75	100	Employability and Skill Development	
	Total			30	26					



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SEMESTER VI

S.No.	Part	Course Code	Course Title	Hours	Credit	Marks			Focus on Employability/ Entrepreneurship/ Skill Development	Revised/ New/ No Change/ Interchanged. (If revised % of change)
						I	E	Total		
1	Core XIII	U3BYC61	Plant Physiology	5	5	25	75	100	Skill Development	
2	Core XIV	U3BYC62	Microbiology and Biotechnology	5	5	25	75	100	Employability and Skill Development	
	Core XV	U3BYC63	Organic Farming	4	4	25	75	100	Employability, Entrepreneurship and Skill Development	
3	Core Practical XVI Lab-VI	U3BYC6P	Lab: Plant Physiology, Microbiology and Biotechnology and Organic Farming	6	4	40	60	100	Employability, Entrepreneurship and Skill Development	
5	Allied (b) -IV	U3ZYA6X4	Commercial Zoology	4	4	40	60	100		
6	Allied (b) - Practical IV	U3ZYA6PX	LAB: Zoology	2	2	40	60	100		
7	SBE- VI	U1BY6PR	Project work	2	2	50	50	100	Employability, Entrepreneurship and Skill Development	
8	NME II	U3BYN61	Mushroom Cultivation	2	2	25	75	100	Employability, Entrepreneurship	
	Total			30	28					

SUMMARY

S.No.	Semester	No. of Courses	Hours	Credit	Marks		
					I	E	Total
1	I	9	30	24	215	585	800
2	II	9	30	23	255	645	900
3	III	8	30	19	255	645	
4	IV	8	30	23			
5	V	8	30	24			
6	VI	8	30	27			
7	Total	50	180	140			

Total Credits for UG – 140 / PG – 90



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SEMESTER III

S.No	Part	Course Title	Hours	Credit	Marks			Focus on Employability/ Entrepreneurship/ Skill Development	Revised/ New/ No Change/ Interchanged. (If revised % of change)
					I	E	Total		
1	Core XI	Microbiology, Fungi and Plant Pathology	6	4	40	60	100	Skill Development	
2	Core XII	Biotechnology	5	4	40	60	100	Employability and Skill Development	
3	Core XIII	Biochemistry	6	4	40	60	100	Employability and Skill Development	
4	Core XIV	Lab - V: Microbiology, Fungi and Plant Pathology and Biotechnology	4	3	40	60	100	Employability and Skill Development	
5	Core XV	Lab - VI: Biochemistry	4	3	40	60	100	Employability and Skill Development	
6	Elective II	Biodiversity & Conservation	5	5	40	60	100	Employability	
Total			30	23	240	360	600		
SLC - Forestry			-	5	-	100	100		



SEMESTER IV

S.No	Course code	Part	Course Title	Hours	Credit	Marks			Focus on Employability/ Entrepreneurship/ Skill Development	Revised/ New/ No Change/ Interchanged. (If revised % of change)
						I	E	Total		
1		Core XVI	Plant Physiology	5	4	40	60	100	Skill Development	
2		Core XVII	Bioinformatics and Biostatistics	5	4	40	60	100	Employability and Skill Development	
3		Core XVIII	Developmental Botany	5	4	40	60	100	Skill Development	
4		Core XIX	Lab – VII: Plant Physiology	4	3	40	60	100	Skill Development	
5		Core XX	LAB -VII: Bioinformatics and Biostatistics & Developmental Botany	5	3	40	60	100	Employability and Skill Development	
6		Elective III/ Project	Project work	6	5	50	50	100	Employability, Entrepreneurship and Skill Development	
Total				30	23	250	350	600		

SUMMARY

S.No.	Semester	No. of Courses	Hours	Credit	Marks		
					I	E	Total
1	I	6	30	22	240	360	600
2	II	6	30	22	240	360	600
3	III	6	30	23	240	360	600
4	IV	6	30	23	250	350	600
	Total		120	90	970	1430	2400



VIRUDHUNAGAR HINDU NADARS' SENTHIKUMARA NADAR COLLEGE


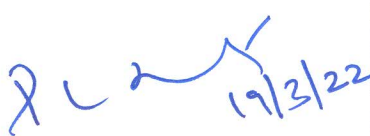


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It is resolved to change the skill based paper “Horticulture” in the First semester of B.Sc. Botany as practical paper and is to be evaluated totally by internal examiners. The Internal examination will be for 40 marks and external examination for 60 marks.

Members Present:

Name	Category	Signature
B. Salocia Fernando Associate Professor and Head Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Chairman	
Dr. S. Chandrasekaran Chairperson, Department of Plant Morphology and Algology & Plant Sciences, School of Biological Sciences, Madurai Kamaraj University, Madurai-625 021 Email: csekarana.biological@mkuniversity.org Mobile: 94420 59666	University Nominee	-
Dr. P.Kannan Assistant Professor in Botany The Madura College, Madurai-625 011 Email: pkannan2005@gmail.com Mobile: 94445 35687	Subject Expert	 19/3/22
Dr. A. Saravana Ganthi Head and Assistant Professor Rani Anna Government College for women Gandhi Nagar, Tirunelveli- 627 008 Email: saragan@rediffmail.com Mobile: 94429 08041	Subject Expert	 19/3/22
Dr.M. Kalusalingam Assistant Professor PG and Research Department of Botany, Arignar Anna Govt Arts College Sanyasikaradu Post, Namakkal 637002 Email: mkalusan@gmail.com Mobile: 95664 67857	Alumnus	 19/3/22

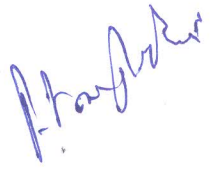
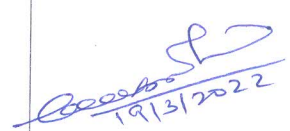

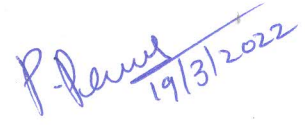


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Dr.M.Suresh Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 19/03/2022



BOARD OF STUDIES MEETING OF BOTANY HELD ON (08.10.2022)

MINUTES OF THE MEETING

The Board of Studies Meeting of **B.Sc BOTANY** was held today at **10.00 am.** in the Department of **BOTANY**. After having a detailed discussion, the Board resolved the following:

1. Resolved to revise the syllabus of the courses for II year **B.Sc BOTANY** as follows:

Semester III

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on			Revised / New / No Change / Interchanged If revised % of change	Course Contribution
			Employability	Entrepreneurship	Skill Development		Local/ National/ Global Level
Core - III	Fungi, Lichens and Plant pathology	Fungi, Lichens and Plant pathology	Yes	-	Yes	Revised 20 %	National
Core Practical-III	LAB: Fungi, Lichens and Plant Pathology	LAB: Fungi, Lichens and Plant Pathology	Yes	Yes	Yes	Revised 25%	National

Semester IV

Subject Allied/ Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on			Revised / New / No Change / Interchanged If revised % of change	Course Contribution
			Employability	Entrepreneurship	Skill Development		Local/ National/ Global Level
Core - IV	Pteridophytes and Gymnosperms	Pteridophytes, Gymnosperms and Paleobotany	Yes	Yes	Yes	Revised 7%	National
Core Practical-IV	LAB: Pteridophytes and Gymnosperms	LAB: Pteridophytes, Gymnosperms and Paleobotany	Yes	Yes	Yes	Revised 20%	National

The detailed syllabus passed in the Board of Studies Meeting is given in Annexure – I.



2. Resolved to approve the draft syllabi for II year **B.Sc BOTANY** with the following changes:

Course	Unit No.	Changes
Fungi, Lichens and Plant pathology	I	VAM fungi is removed and <i>Albugo</i> is shifted from II Unit to I Unit.
	II	New species <i>Aspergillus</i> is introduced.
	III	Homoimerous and heteromerous thalli is added with types of thalli. Cephalodia is added with somatic structure.
	V	Sheath blight disease of paddy is replaced with Wilt of Cotton.
LAB:Fungi, Lichens and Plant pathology	-	New species <i>Aspergillus</i> is introduced for the observation of slide. Observation of <i>Isdia</i> , <i>Soredia</i> and <i>Cephalodia</i> Wilt of Cotton is introduced.
Pteridophytes, Gymnosperms and Paleobotany	II	New species <i>Adiantum</i> is introduced. <i>Gleichenia</i> is removed.
	III	Contents of the <i>Pinus</i> is given detailed as Morphological and anatomical structure of needle, stem and root of <i>Pinus</i>
	IV	Contents of the <i>Gnetum</i> is given detailed as Morphological and anatomical structure of Leaf, wood and root of <i>Gnetum</i> .
LAB: Pteridophytes, Gymnosperms and Paleobotany	-	Sectioning of Reproductive structures is introduced (Cones, Sporophyll with sori) New species <i>Adiantum</i> is introduced. <i>Gleichenia</i> is removed Fossil - <i>Lyginopteris</i> is removed

3. Resolved to approve the panel of Examiners suggested by the members of the Board as given in Annexure – II.



The Board of Studies Meeting of **M.Sc BOTANY** was held today at **10.00 am.** in the Department of **BOTANY**. After having a detailed discussion, the Board resolved the following:

1. Resolved to revise the syllabus of the courses for II year **M.Sc BOTANY** as follows:

Semester III

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on			Revised / New / No Change / Interchanged If revised % of change	Course Contribution
			Employability	Entrepreneurship	Skill Development		Local/ National/ Global Level
Core XI	Microbiology, Fungi and Plant Pathology	Microbiology, Fungi and Plant Pathology	Yes	-	Yes	Revised 20%	National
Core XII	Biotechnology	Biotechnology	Yes	Yes	Yes	Revised 15%	National
Core XIII	Biochemistry	Biochemistry	Yes	Yes	Yes	Revised 10%	Global
Core XIV	Lab - V: Microbiology, Fungi and Plant Pathology and Biotechnology	Lab - V: Microbiology, Fungi and Plant Pathology and Biotechnology	Yes	Yes	Yes	Revised 10%	Global
Core XV	Lab - VI: Biochemistry	Lab - VI: Biochemistry	Yes	Yes	Yes	Revised 10%	Global
Elective II	Biodiversity & Conservation	Biodiversity & Conservation	Yes	-	Yes	Revised 12%	Global

Semester IV

Subject Allied/ Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on			Revised / New / No Change / Interchanged If revised % of change	Course Contribution
			Employability	Entrepreneurship	Skill Development		Local/ National/ Global Level
Core XVI	Plant Physiology	Plant Physiology	Yes	Yes	Yes	Revised 10%	Global
Core XVII	Bioinformatics and Biostatistics	Bioinformatics and Biostatistics	Yes	Yes	Yes	Revised 20%	Global



Core XVIII	Developmental Botany	Developmental Botany	Yes	Yes	Yes	Revised 75%	Global
Core XIX	Lab – VII: Plant Physiology	Lab – VII: Plant Physiology	Yes	Yes	Yes	Revised 5%	Global
Core XX	LAB -VII: Bioinformatics and Biostatistics & Developmental Botany	LAB -VII: Bioinformatics and Biostatistics & Developmental Botany	Yes	Yes	Yes	Revised 50 %	Global
Elective III/ Project	Project work	Project work	Yes	Yes	Yes	-	Global

The detailed syllabus passed in the Board of Studies Meeting is given in Annexure – I.

VALUE ADDED COURSE - NURSERY MANAGEMENT

SYLLABUS

Hours : 30

1. Choice of site for Nursery
 2. Design of Nursery
 3. Gardening Tools
 4. Soil mixture preparation for nursery
 5. Filling of grow bags and seed trays
 6. Collection of seeds, seed storage and pre-treatment of seeds
 7. Sowing of seeds
 8. Seedling production
 9. Vegetative propagation – Cuttage, Graftage and Layerage
 10. Watering the Nursery plants
 11. Hardening of seedlings
 12. Pricking out seedlings
 13. Maintenance of Records of Nursery activities and expenses
 14. Transport and Marketing of saplings.
2. Resolved to approve the draft syllabi for II year **M.Sc BOTANY** with the following changes:



Course	Unit No.	Changes
Microbiology, Fungi and Plant Pathology	I	Titles of all Units are removed Robert Koch's Postulates is removed. Topic cell wall chemistry is placed after ultra structure of bacterial cell.
	III	New topics - Lichens types and importance, Mycorrhiza- types and importance are introduced.
	IV	Structure and physical properties of Plant viruses and Virus - vector relationship are introduced.
	V	Wilt disease of Cotton is introduced.
Biotechnology	I	Shuttle vector and cassette vector are introduced
	IV	Types of media, Protoplast culture is introduced. GURT is removed.
	V	Nano particle synthesis from plants is replaced with phytomediated synthesis of silver nano particles
Biochemistry		Titles for all units were removed Unit III is shifted to Unit I position and Unit I to Unit II and Unit II to Unit III.
	I	Metabolism of carbohydrates: Chemical reactions and derivatives of monosaccharide is deleted Structure and Properties of Carbohydrates is introduced.
	II	Title Chemistry of enzymes is change to Enzymes.
	V	Nucleic Acid metabolism is incorporated
Lab: Biochemistry		Two new experiments are added – 1. Preparation of molal, molar, normal and percentage solutions and their dilutions 2. Estimation of total phenolics.
Biodiversity Conservation &	II	Types of diversity indices are given in detail. Brief account on Biodiversity packages – Biodiversity Pro, past Estimates is removed
	III	Ethnobiology, biodiversity and traditional knowledge is introduced.
	V	Contribution of NBA is introduced.



Plant physiology	III	Three types NADP-ME, NAD-ME & PCK types is removed.
	IV	Respiration, Biochemical control of respiration and Factors affecting are introduced
	V	Flowering hormones and Inhibitors is added
LAB: Plant physiology	--	Effect of Leaf age on the soluble protein content is added
Developmental Botany	I	Completely new
	II	The topic Microsporogenesis is shifted from I unit Ovules types and structure is deleted
	III	Post – fertilization, Syngamy and Triple fusion is added
	IV	New topic Embryogenesis is introduced. Storage protein, Dyanamic of fruit growth and biochemistry and molecular biology of fruit maturation are deleted,
	V	New topic Morphogenesis is introduced. Development of leaf, flower, Fruit wall and seed coat and Role of sucrose in tissue differentiation are deleted
Bioinformatics and Biostatistics	I	structure of protein is removed
Lab: Bioinformatics and Biostatistics & Developmental Botany		Cn3D molecular visualization is removed 11 New experiments are introduced 7 Experiments are deleted

3. Resolved to approve the panel of Examiners suggested by the members of the Board as given in Annexure – II.

PANEL OF EXAMINERS FOR PG COURSE

Sl.No	Name and Address of the Examiner
1.	Dr. N. Senthilkumar Associate Professor and Head, Centre for Research and P.G. Studies in Botany Ayya Nadar Janaki Ammal College (Autonomous) Srivilliputtur Road, Sivakasi - 626 124 Email: senthilkumarin@yahoo.co.in Mobile: 9443854694



2.	Dr. V. Mariappan, Assistant Professor and Head Department of Botany RD Government Arts College Manamadurai Road Sivagangai Tamil Nadu - 630 561 Mail: dappan@rocketmail.com Mobile: 8681997418
3.	Dr. P.Kannan Assistant Professor in Botany The Madura College, Madurai-625 011 Email:pkannan2005@gmail.com Mobile: 94445 35687

PANEL OF EXAMINER FOR UG COURSE

1.	Dr.C.Pothiraj Assistant Professor in Botany Government Arts college, Melur Email: pothirajchinnathambi71@gmail.com Mobile: 6379760936
2.	Dr.V.Ramesh Assistant Professor and Head Department of Botany Vivekanda college Thiruvudagam, Madurai Email: ramesh.vnr09@gmail.com Mobile: 9842629245
3.	Mrs.A.P.Gowsalya Devi Assistant Professor Department of Botany SFR College For Women Sivakasi - 626123 E-Mail gowsalyadevi-bot@sfrcollege.edu.in Mobile: 9443119605



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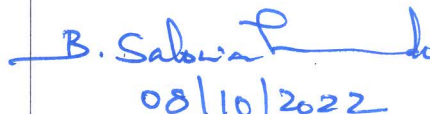
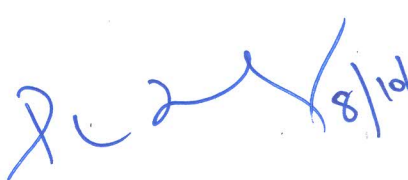


4. With the concurrence of the Board of studies meeting, it is resolved to carry out the following amendment/ clarification in the resolution of the previous board of studies held on 19.03.2022.

It is clarified that the Skill based paper "Horticulture" is 100 % internal valuation only.

It is resolved to introduce Certificate course on "Nursery Management" from the academic year 2022-2023 for the benefit of UG and PG students of all disciplines.

Members Present:

Name	Category	Signature
Mrs. B. Salocia Fernando Associate Professor and Head Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Chairman	 08/10/2022
Dr. S. Chandrasekaran Professor and Chairperson, Department of Plant Morphology and Algology & Plant Sciences, School of Biological Sciences, Madurai Kamaraj University, Madurai-625 021 Email: csekaran.biological@mkuniversity.org Mobile: 94420 59666	University Nominee	-
Dr. P.Kannan Assistant Professor in Botany The Madura College, Madurai-625 011 Email: pkannan2005@gmail.com Mobile: 94445 35687	Subject Expert	 8/10/2022



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<p>Dr. A. Saravana Ganthi Head and Assistant Professor Rani Anna Government College for women Gandhi Nagar, Tirunelveli- 627 008 Email: saranagan@rediffmail.com Mobile: 94429-08041</p>	Subject Expert	—
<p>Dr.M. Kalusalingam Assistant Professor PG and Research Department of Botany, Arignar Anna Govt Arts College Sanyasikaradu Post, Namakkal 637002 Email: mkalusan@gmail.com Mobile: 95664 67857</p>	Alumnus	—
<p>P. Shanmugapriyan BSc DMW Country Drugs Merchant 376A/9 Ayyappan Koil St, Madurai road, Theni – 625 531 Email: shanmugapriyanp@gmail.com Mobile: 88255 25694</p>	Corporate Sector	—
<p>Dr.P. Mehalingam Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.</p>	Member	 8/10/2022
<p>Dr. Bagyalakshmi Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.</p>	Member	 8/10/22



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Dr.G.Premkumar Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 8/10/22
Dr.S.Muthuramkumar Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 08/10/2022
Dr.N.Nirmalkumar Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 8/10/22
Dr.G.Mahendra Perumal Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 8/10/22
Dr.P.Periyakarupiah Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 8/10/2022
Dr.M.Suresh Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	 08/10/2022



BOARD OF STUDIES MEETING OF BOTANY HELD ON (07.06.2023)

MINUTES OF THE MEETING

The Board of Studies Meeting of **B.Sc BOTANY** was held today at **10.30 am.** in the Department of **BOTANY**. After having a detailed discussion, the Board resolved the following:

- Resolved to adopt TANSCHÉ syllabus of the courses for I year **B.Sc BOTANY** as follows:

Semester I

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on			Revised / New / No Change / Interchanged If revised % of change	Course Contribution Local/ National/ Global Level
			Employability	Entrepreneurship	Skill Development		
Core I	Part - III - Core – Plant Diversity I – Algae	-	✓	✓	✓	New	Global
Core II	Plant Diversity I Algae - Practical-I	-	✓	✓	✓	New	Global
Skill Enhancement Courses SEC1 Part - IV - NME-I	Organic Farming	-	✓	✓	✓	New	Global
Foundation Course FC	Basics of Botany	-	✓	✓	✓	New	Global
Ability Enhancement Compulsory Course AECC	Soft Skill 1	-	✓	✓	✓	New	Global



Semester II

Subject Allied/ Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on			Revised / New / No Change / Interchanged If revised % of change	Course Contribution Local/ National/ Global Level
			Employability	Entrepreneurship	Skill Development		
Core III	Plant Diversity II – Fungi, Bacteria, Viruses, Plant Pathology and Lichens	-	✓	✓	✓	New	Global
Core IV	Plant Diversity II - Fungi, Bacteria, Viruses, pathology and Lichens – Practical II	-	✓	✓	✓	New	Global
Skill Enhancement Courses SEC 2 Part - IV - NME-II	Mushroom Cultivation	-	✓	✓	✓	New	Global
Skill Enhancement Courses SEC 3	Botanical Garden and Landscaping	-	✓	✓	✓	New	Global
Ability Enhancement Compulsory Course AECC	Soft Skill 2		✓	✓	✓	New	Global

The detailed syllabus passed in the Board of Studies Meeting is given in Annexure – I.

2. Resolved to approve the draft syllabi for **B.Sc Botany** without any changes:

Course	Unit No.	Changes
-	-	-

3. (Any other resolutions passed in the meeting) : Nil



BOARD OF STUDIES MEETING OF BOTANY HELD ON (07.06.2023)

MINUTES OF THE MEETING

The Board of Studies Meeting of **M.Sc BOTANY** was held today at **10.30 am.** in the Department of **BOTANY**. After having a detailed discussion, the Board resolved the following:

1. Resolved to adopt TANSCHÉ syllabus of the courses for I year **M.Sc BOTANY**
 - a) Resolved to revise the syllabus of Agriculture and Food Microbiology (SE1)

Semester I

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on			Revised / New / No Change / Interchanged If revised % of change	Course Contribution Local/ National/ Global Level
			Employability	Entrepreneurship	Skill Development		
Core I	Plant Diversity - I: Algae, Fungi, Lichens and Bryophytes	-	✓	✓	✓	New	Global
Core II	Plant Diversity - II: Pteridophytes, Gymnosperms and Paleobotany	-	✓	✓	✓	New	Global
Core III	Laboratory course: Plant Diversity - I: Algae, Fungi, Lichens and Bryophytes & Pteridophytes, Gymnosperms and Paleobotany	-	✓	✓	✓	New	Global
Elective EG1	Conservation of Natural Resources and Policies	-	✓	✓	✓	New	Global
Elective ED1	Ethnobotany, Naturopathy and Traditional Healthcare	-	✓	✓	✓	New	Global
Skill Enhancement (SE1)	Nursery and Gardening	-	✓	✓	✓	New	Global
Additional Skill Supportive Courses	Part IV Life Coping Skills	-	✓	✓	✓	New	Global



Semester II

Subject Allied/ Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revisio n	Focus on			Revised / New / No Change / Interchanged If revised % of change	Course Contribution Local/ National/ Global Level
			Employability	Entrepreneurship	Skill Development		
Core IV	Taxonomy of Angiosperms and Economic Botany	-	✓	✓	✓	New	Global
Core V	Plant Anatomy and Embryology of Angiosperms	-	✓	✓	✓	New	Global
Core VI	Ecology, Phytogeography, Conservation Biology and Intellectual Property Rights	-	✓	✓	✓	New	Global
Core VI	Laboratory course-II: Covering Core Papers IV, V and VI	-	✓	✓	✓	New	Global
Elective EG1	Research Methodology, Computer Applications & Bioinformatics	-	✓	✓	✓	New	Global
Elective ED1	Biostatistics	-	✓	✓	✓	New	Global
Skill Enhancement (SE1)	Agriculture and Food Microbiology	-	✓	✓	✓	20%	Global
Additional Skill Supportive Courses	Part IV Spoken English	-	✓	✓	✓	New	Global

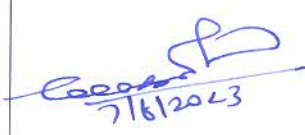
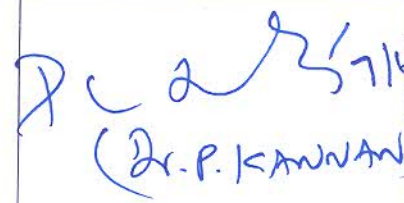
The detailed syllabus passed in the Board of Studies Meeting is given in Annexure – I.

2. Resolved to approve the draft syllabi for **M.Sc Botany** with the following changes:

Course	Unit No.	Changes
SE1 Agriculture and Food Microbiology	V	Completely changed

3. (Any other resolutions passed in the meeting) : Nil

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Name	Category	Signature
Dr.P. Mehalingam Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Chairman	 7/6/2023
Dr. S. Chandrasekaran Chairperson, Department of Plant Morphology and Algology & Plant Sciences, School of Biological Sciences, Madurai Kamaraj University, Madurai-625 021 Email: csekaran.biological@mkuniversity. org Mobile: 94420 59666	University Nominee	—
Dr. P.Kannan Assistant Professor in Botany The Madura College, Madurai-625 011 Email: pkannan2005@gmail.com Mobile: 94445 35687	Subject Expert	 7/6/23 (Dr. P. KANNAN)
Dr. A. Saravana Ganthi Head and Assistant Professor Rani Anna Government College for women Gandhi Nagar, Tirunelveli- 627 008 Email: saran gan@rediffmail.com Mobile: 94429 08041	Subject Expert	—

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Dr.M. Kalusalingam Assistant Professor PG and Research Department of Botany, Arignar Anna Govt Arts College Sanyasikaradu Post, Namakkal 637002 Email: mkalusan@gmail.com Mobile: 95664 67857	Alumnus	
P. Shanmugapriyan BSc DMW Country Drugs Merchant 376A/9 Ayyappan Koil St, Madurai road, Theni – 625 531 Mobile: 88255 25694	Corporate Sector	—
Mrs. B. Salocia Fernando Associate Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	
Dr. Bagyalakshmi Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	
Dr.G.Premkumar Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	
Dr.S.Muthuramkumar Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	







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Dr.N.Nirmalkumar Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	
Dr.G.Mahendra Perumal Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	
Dr.P.Periyakarupiah Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	
Dr.M.Suresh Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	



**BOARD OF STUDIES MEETING OF NAME OF THE PROGRAMME HELD ON 30.10.2023
MINUTES OF THE MEETING**

The Board of Studies Meeting of **B.Sc BOTANY** was held today at **10.30 am.** in the Department of **BOTANY** After having a detailed discussion, the Board resolved the following:

- Resolved to revise the syllabus of the courses for I year II Semester **B.Sc. BOTANY** as follows:

Semester II

Subject Allied/ Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on			Revised / New / No Change / Interchanged If revised % of change	Course Contribution Local/ National/ Global Level
			Employability	Entrepreneurship	Skill Development		
Core III	Herbal Technology	Herbal Technology	Yes	Yes	Yes	Revised 20%	Global
Core IV-	LAB: Herbal Technology	LAB: Herbal Technology	Yes	Yes	Yes	Revised 20%	Global
SBE	LAB: Techniques in Cell Biology	LAB: Techniques in Cell Biology	Yes	Yes	Yes	Revised 20%	Global
NME	Mushroom Cultivation	Mushroom Cultivation	Yes	Yes	Yes	Revised 20%	Global

The detailed syllabus passed in the Board of Studies Meeting is given in Annexure – I.

- Resolved to approve the draft syllabi for **B.Sc. BOTANY** with the following changes:

Course	Unit No.	Changes
Herbal Technology	V	Boerhaavia diffusa, Catharanthus roseus and Ocimum sanctum
LAB: Herbal Technology	--	Boerhaavia diffusa, Catharanthus roseus and Ocimum sanctum
LAB: Techniques in Cell Biology	---	Double Staining
NME-Mushroom Cultivation	New	New

- (Any other resolutions passed in the meeting)

LAB: Techniques in Cell Biology is internal and external practical.



BOARD OF STUDIES MEETING OF BOTANY HELD ON (30.10.2023)

MINUTES OF THE MEETING

The Board of Studies Meeting of M.Sc. BOTANY was held today at **10.30 am.** in the Department of BOTANY. After having a detailed discussion, the Board resolved the following:

1. Resolved to revise the syllabus of the courses for I year M.Sc. BOTANY as follows:

Semester II

Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Focus on			Revised / New / No Change / Interchanged If revised % of change	Course Contribution
			Employability	Entrepreneurship	Skill Development		Local/ National/ Global Level
Core V	Taxonomy of Angiosperms and Economic Botany	Taxonomy of Angiosperms and Economic Botany	Yes	Yes	Yes	New	Global
Core VI	Cell Biology, Genetics And Molecular Biology	Cell Biology, Genetics And Molecular Biology	Yes	Yes	Yes	New	Global
Core VII	Entrepreneur Botany	Entrepreneur Botany	Yes	Yes	Yes	Revised - 50%	Global
Core VIII	LAB :Taxonomy of Angiosperms	LAB :Taxonomy of Angiosperms	Yes	Yes	Yes	Revised - 10%	Global



	and Economic Botany	and Economic Botany					
Core IX	Lab: Cell Biology, Genetics & Molecular Biology and Entrepreneur Botany	Lab: Cell Biology, Genetics & Molecular Biology and Entrepreneur Botany	Yes	Yes	Yes	Revised - 30%	Global
NME	Herbal Botany	Herbal Botany	Yes	Yes	Yes	Revised - 20%	Global

The detailed syllabus passed in the Board of Studies Meeting is given in Annexure – I.

2. Resolved to approve the draft syllabi for **M.Sc. BOTANY** with the following changes:

Course	Unit No.	Changes
Taxonomy of Angiosperms and Economic Botany	I-V	New
Cell Biology, Genetics And Molecular Biology	I-V	New
Entrepreneur Botany	I	Remove-Landscaping - formal and informal miegakure garden design, Establishment of Kitchen garden
LAB :Taxonomy of Angiosperms and Economic Botany	I-V	New
Lab: Cell Biology, Genetics & Molecular Biology and Entrepreneur Botany	I-V	New
NME-Herbal Botany	I-V	New

3. (Any other resolutions passed in the meeting)



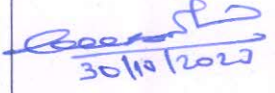
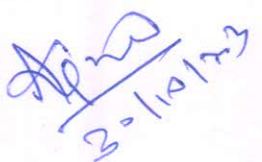

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Virudhunagar – 626 001.



Members Present:

Name	Category	Signature
Dr.P. Mehalingam Associate Professor and Head Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Chairman	 30/10/2023
Dr. S. Chandrasekaran Chairperson, Department of Plant Morphology and Algology & Plant Sciences, School of Biological Sciences, Madurai Kamaraj University, Madurai-625 021 Email:csekaran.biological@mkuniversity.org Mobile: 94420 59666	University Nominee	
Dr. P.Kannan Assistant Professor in Botany The Madura College, Madurai-625 011 Email: pkannan2005@gmail.com Mobile: 94445 35687	Subject Expert	
Dr. A. Saravana Ganthi Head and Associate Professor Department of Botany Rani Anna Government College for women Gandhi Nagar, Tirunelveli- 627 008 Email: saran gan@rediffmail.com Mobile: 94429 08041	Subject Expert	 30/10/23
Dr.M. Kalusalingam Assistant Professor PG and Research Department of Botany, Arignar Anna Govt Arts College Sanyasikaradu Post, Namakkal 637002 Email: mkalusan@gmail.com Mobile: 95664 67857	Alumnus	 30/10/23



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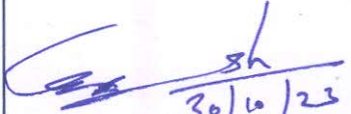


P. Shanmugapriyan BSc DMW Country Drugs Merchant 376A/9 Ayyappan Koil St, Madurai road, Theni – 625 531 Email: Mobile: 88255 25694	Corporate Sector	
Mrs. B. Salocia Fernando Associate Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	<i>B. Salocia Fernando</i> 30/10/2023
Dr. Bagyalakshmi Associate Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	<i>Bagyalakshmi</i> 30/10/23
Dr.G.Premkumar Associate Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	<i>G. Premkumar</i> 30/10/23
Dr.S.Muthuramkumar Associate Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	<i>S. Muthuramkumar</i>
Dr.N.Nirmalkumar Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	<i>N. Nirmalkumar</i> 30/10/23
Dr.G.Mahendra Perumal Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	<i>G. Mahendra Perumal</i> 30/10/23
Dr.P.Periyakarupiah Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.	Member	<i>P. Periyakarupiah</i> 30/10/2023



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<p>Dr.M.Suresh Assistant Professor Department of Botany VHNSN College (Autonomous) Virudhunagar - 626 001.</p>	<p>Member</p>	<p> 30/10/23</p>
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