

**MINUTES OF THE BOARD OF STUDIES MEETING**  
**Department Name - TAMIL**

The Board of Studies Meeting of the Department of Tamil was conducted on 16.02.2019 (date) at 10.30 (time) in the department of Tamil

**No. of Members Present**

External Members : 3

Internal Members : 10 + 1

The Chairperson Dr.A.Amala Arul Arasi (name of the HOD) welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

1. Dr.M.Kannan
2. Mr.S. Christhu Raja
3. Dr.R. Siva Sankari

**Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

**Agenda Item No.1 (state briefly the discussion and recommendation)**

**II & III U.G. Syllabi**

1. பாடத்திட்டக் குழுவினரிடம் கலந்தாய்வு செய்து, மூன்றாம், நான்காம் பருவங்களுக்குரிய பாடத்திட்டங்கள் சிற்சில திருத்தங்களுடன் முழுமனதாக ஏற்றுக்கொள்ளப்பட்டன.

2. துறைசாரா விருப்பப்பாடம்- அறிமுகத்தமிழ் (BTN) சிறப்புத்தமிழ் (ATN) எவ்வித மாற்றமின்றி ஏற்கனவே உள்ள பாடத்திட்டங்கள் ஏற்றுக்கொள்ளப்பட்டன.

மூன்றாம் பருவம் - காப்பிய இலக்கியம்

நீக்கப்பட்டவை - அன்னைமீனாட்சி அந்தாதி

நந்திக்கலம்பகம் - நந்தி மன்னனின் வீரச்சிறப்பு

திருக்குற்றாலக்குறவஞ்சி - 2,3

வாடாமல்லி -சு.சமுத்திரம்

பரிந்துரைக்கப்பட்டவை - சீவகசிந்தாமணி பாடல் - 454

சீறாப்புராணம் பாடல் 27, 29, 33

முக்கூடற்பள்ளு - நகர்வளம் 19-வது பாடல்

நந்திக்கலம்பகம் - வெற்றிமுரசு சிறப்பு

திருக்குற்றாலக்குறவஞ்சி - 9

பூர்வீக பூமி – சூர்யகாந்தன்  
நான்காம் பருவம் சங்க இலக்கியம்

நீக்கப்பட்டவை - நற்றிணை -பாடல் எண் - 214

நெடுநல்வாடை -80 வரிகள்  
பாவகைகளின் விளக்கம்

பரிந்துரைக்கப்பட்டது - நற்றிணை - பாடல் எண் -12

**Agenda Item No.2,3,4,5 are not applicable for Tamil Board of studies  
I & II P.G. Syllabi**

**Agenda Item No.3**

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

**Agenda Item No.4**

Mandatory MOOC course for P.G. (one paper every year) Not applicable

**Agenda Item No.5**

Certificate Course & Career Oriented Course. Not applicable

**Recommendations**

Agenda Item No.1 (state recommendations briefly- Give Annexure –I (for detail))

**Resolution**

1. பாடத்திட்டக் குழுவினரிடம் கலந்தாய்வு செய்து, மூன்றாம், நான்காம் பருவங்களுக்குரிய பாடத்திட்டங்கள் சிற்சில திருத்தங்களுடன் முழுமனதாக ஏற்றுக்கொள்ளப்பட்டன.
2. துறைசாரா விருப்பப்பாடம்- அறிமுகத்தமிழ் (BTN) சிறப்புத்தமிழ் (ATN) எவ்வித மாற்றமின்றி ஏற்கனவே உள்ள பாடத்திட்டங்கள் ஏற்றுக்கொள்ளப்பட்டன.

The Board placed the following suggestions: (state the general observation /  
appreciation made by the Board).

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Dr. A.Amala Arul Arasi .

(List the Members of the Board of Studies and signature)

புதிய பாடத்திட்டம்

16.02.2019 அன்று 10.30 மணிக்கு, தூய மரியன்னை கல்லூரி (தன்னாட்சி) தூத்துக்குடி  
பாடத்திட்டம் பகுதி-1க்கான தமிழ்ப்பாடத்திட்டம் தமிழ்த்துறையில் நடைபெற்றது. அதில் கீழ்க்காணும்  
உறுப்பினர்கள் கலந்துகொண்டனர்.

பாடத்திட்டக்குழுத்தலைவர்

முனைவர் அ.அமல அருள் அரளி

Dr. A. Arul Arul  
16/2/2019

தமிழ்த்துறைத் தலைவர்

தூய மரியன்னை கல்லூரி(தன்னாட்சி)

தூத்துக்குடி

பல்கலைக்கழகப் பிரதிநிதி

முனைவர் மா.சிவபாக்கியம்

For தலைவர் 16/02/19

இணைப்பேராசிரியர்

தமிழ்த்துறை

காமராஜ் கல்லூரி,

தூத்துக்குடி

உறுப்பினர்கள்

முனைவர் ச.கந்தன்

16/02/19

உதவிப்பேராசிரியர்,

தமிழ்த்துறை

தூய சவேரியார் கல்லூரி (தன்னாட்சி)

பாளையங்கோட்டை

முன்னாள் மாணவி

பி. ஜார்ஜ் ராணி 16/2/19

முன்னாள் இராஜாஜி ராணி

தலைவர், இணைப்பேராசிரியர், தமிழ்த்துறை

கோவில்தம்பாளன் ஆதித்தனார் மகளிர்கல்லூரி, திருச்செந்தூர்

தூய மரியன்னை கல்லூரி (தன்னாட்சி)

முன்னாள் ஜோ.மாக்கிட்டா

செ.மாக்கிட்டா 16/2/19

உதவிப்பேராசிரியர், தமிழ்த்துறை

முன்னாள் சண்முக வடிவு (எ) சாந்தி

சு. சண்முகவடிவு (எ) சாந்தி 16/2/19

உதவிப்பேராசிரியர், தமிழ்த்துறை

முன்னாள் ச.அருள் ஜோஸ்யன்

சு. அருள் ஜோஸ்யன் 16/2/19

உதவிப்பேராசிரியர், தமிழ்த்துறை

முன்னாள் அ.ம.சோனல்

அ.ம.சோனல் 16/2/19

உதவிப்பேராசிரியர், தமிழ்த்துறை

செல்வி நவரத்தினம்

செ. நவரத்தினம் 16/2/19

உதவிப்பேராசிரியர், தமிழ்த்துறை

கயந்திப்பியிவு

முன்னாள் அருட்சகோதரி மி.க.எழிலரசி

மி.க.எழிலரசி 16/2/19

உதவிப்பேராசிரியர், தமிழ்த்துறை

முன்னாள் பிலதா

பி.லதா 16/2/19

உதவிப்பேராசிரியர், தமிழ்த்துறை

திருமதி பி.செல்வமேரி

பி.செல்வமேரி 16/2/19

உதவிப்பேராசிரியர், தமிழ்த்துறை

திருமதி சே. ஜே.ம.செல்வி

சே. ஜே.ம.செல்வி 16/2/19

உதவிப்பேராசிரியர், தமிழ்த்துறை

மாணவி செல்வி எஸ்வேதா - இரண்டாமாண்டு கணிதம்.

சு. எஸ்வேதா 16/2/19



## **MINUTES OF THE BOARD OF STUDIES MEETING**

### **Department of French**

The Board of Studies Meeting of the Department of French was conducted on 16.2.2019 at 10.30a.m. in the department of French.

#### **No. of Members Present**

External Members : 4

Internal Members : 2

The Chairperson Dr.S.Thenmozhi welcomed the Board of Studies Members. The following members expressed their inability to attend the meeting:

1. Dr.SudhaRenganathan
2. Dr.Jayaraj Daniel

#### **Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

#### **Agenda Item No.1**

U.G. syllabi for II year French students was the focus of attention. The literary extracts were slightly modified since the number of extracts was more. It was unanimously decided to limit the number of extracts to ten. 'Le Cure de Cucugnan' of Guy de Maupassant was included instead of 'L'Avalee des Avalees'. 'La barbebleue' of Charles Perrault was removed. 'Calligrammes' de Guillaume Apollinaire were included as per the recommendations of the student representative.

**Agenda Items No. 2,3, 4, and 5** are not applicable for French Board of Studies.

#### **Resolution**

It was resolved that the course Advanced French Course and French Language through Literature through III and IV semesters are new courses introduced in II U.G.

It was observed that 60% of revision has been made.

The Board placed the following suggestions:

The choice of literary texts helps to imbibe human, ethical values and also imparts knowledge about environmental concern. The knowledge of the literary extracts also promotes creativity of the learner. Gradual progression from 'Advanced French Course' to 'French Language through Literature' prepares the learner to be globally competent, French being one of the widely known international languages.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by the Chairperson of the Board.

|                               |                          |                                  |
|-------------------------------|--------------------------|----------------------------------|
| Dr.S.Thenmozhi                | (Chairperson)            | - S. Thenmozhi                   |
| Dr.S.A.VengadaSouprayaNayakar | (Subject Expert)         | - S. A. Vengada Soupraya Nayakar |
| Dr.Adeline G. Albert          | (Subject Expert)         | - Adeline G. Albert              |
| Dr.Abarna Roy                 | (Subject Expert)         | - Abarna Roy                     |
| Mrs.AnbuHannah Dora           | (Alumna)                 | - P. T. Anbu                     |
| Ms.S.Pratiksha                | (Student Representative) | - S. Pratiksha                   |

## **MINUTES OF THE BOARD OF STUDIES MEETING THE PG & RESEARCH DEPARTMENT OF ENGLISH**

The Board of Studies Meeting of the Department of English was conducted on 16.02.2019 at 10 a.m. in the department.

### **No. of Members Present**

External Members : 6

Internal Members : 22

The Chairperson Dr. A. Judy Pinheiro, Head of the Department & Associate Professor welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

1. Dr. L. Jacqueline Leo, Associate Professor
2. Ms. Hermina, Assistant Professor
3. Ms. Suriya, Assistant Professor

### **Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

#### **Agenda Item No. 1 - II & III U.G. Syllabi**

The Board Members made a thorough analysis of the Course contents. Some courses were approved and passed. For other courses the Board recommended certain common changes.

#### **Agenda Item No.2 I & II P.G. Syllabi**

The Board discussed and recommended to make changes in the content and title of the courses. It strongly disagreed to have common core paper.

#### **Agenda Item No.3 Change in Evaluation Pattern – Test mark converted to 15 and to include assignment (5 marks) as a component of Ability Enhancement Programme**

Agenda No. 3 was discussed and approved unanimously.

#### **Agenda Item No.4 Mandatory MOOC Course for PG (one paper every year)**

About Mandatory MOOC course for P.G. the Board insisted to enquire whether the matter has already been passed in the Syndicate. If so, it recommended it.

#### **Agenda Item No.5 Certificate Course & Career Oriented Course. –**

Agenda No. 5 was discussed and approved unanimously.



## **Recommendations**

### **Agenda Item No.1**

#### **SEMESTER - III**

##### **Core V – 18UENC31 – Age of Tennyson**

It was recommended that internal change of units and additions should be made.

##### **Allied V – 18UENA31 – History of English Literature – I**

Recommended to add a chapter titled “English Literature before Chaucer” in Unit – I

##### **Allied VI – 18UENA32 – Myth in Literature**

The discussion focussed on reworking the paper. Internal change of units and removal and additions were recommended.

##### **Core SB – 18UENS31 – Employability Skills**

The discussion focussed on reworking the paper. Internal change of units and additions were recommended.

##### **NME – 18UENN31 – Functional English – I**

The Board discussed on the overall framework of the paper prescribed to the NME students and enquired whether the paper would be beneficial to enhance their LSRW skills.

##### **Self Study Paper - Fairy Tale Literature - 18UENSS1**

The course was approved by the Board members without any queries.

#### **SEMESTER - IV**

##### **Core VI – 18UENC41 – 20<sup>th</sup> Century British Literature**

Internal change of units and additions were recommended.

##### **Allied VII – 18UENA41 – History of English Literature – II**

The Board members approved the course without any queries.

##### **Allied VII – 18UENA42 – Media Writing**

Internal change of units, new title for the units and additions were recommended.

##### **Core SB – 18UENS41 – English for Competitive Examinations**

- i) The Board recommended diluting the difficulty level for the students during assessment.
- ii) It was recommended to change the title of the paper as **English for Proficiency**.
- iii) The Board suggested to shift the paper from semester IV to semester V or VI if possible.

##### **NME – 18 UENN41 - Functional English – II**



Internal change of units and additions were recommended.

**Self Study Paper – 18UESS41 - Appreciation of Films**

The Board members recommended few general topics to be included as introduction to Film Adaptations in Unit I.

**Semester – V**

**Core VII - Common Core – 18ULCC5 - Women Empowerment in India**

The Board recommended to change the title of the paper and also recommended to make few changes within the units.

**Core VIII - Essentials in Shakespearean Writings – 18UENC52**

The Board members recommended a new title for the paper and suggested to follow a particular pattern regarding the genres for the individual writers..

**Core XI – American Literature - Code: 18UENC53**

The discussion focussed on reworking the paper. Internal change of units and additions were recommended.

**Core Integral I - Literary Criticism - 18UEN151**

The Board discussed on the overall framework of the paper. Internal change of units and additions were recommended.

**Core Integral II- Phonetics: Theory and Practice – 18UENI52**

The Board members recommended change of units and additions.

**Self-Study Paper - Science Fiction – 18UESS51**

The discussion focussed on reworking the paper. Internal change of units and additions were recommended.

**SEMESTER VI**

**Core X Indian Writing in English 18UENC61**

Internal change of units and additions were recommended.

**Core - XI Women's Writing - 18UENC62**

The Board members approved the course without any queries.

**Core XII - New Literatures in English - 18UENC63**

Internal change of units and additions were recommended.

**Core Integral III - World Classics - 18UENI61**

The Board recommended to takeout **Practical Criticism** and replace it with **World Classics**.

## **Core Integral IV –Project & Viva Voce - Code: 18UEN162**

The Board recommended to change the project either as Field Study or to replace it with a new paper.

### **Agenda Item No. 2**

The curriculum was appreciated by the members of Board of Studies and few changes were recommended by them.

The discussion also focussed on reworking some courses in all the four semesters.

The board discussed the overall framework of the courses titled **British Literature-I to British Literature –IV**.

The members of the Board also discussed the introduction of new elective optional courses and interchange of some courses.

It was recommended by the members to change the title of the courses from British Literature I, II, III, IV to **British Poetry, British Prose, British Drama and British Fiction**.

The Board also suggested that the authors could be arranged according to chronological order.

It was suggested that the Text Books and Books for Reference to be listed separately.

The Board suggested Common Core in Post Graduation could be replaced with a Core paper.

Internal change of units and additions were made in few courses.

It was suggested by Board members to have a particular uniform pattern regarding the genres for all the courses.

### **Agenda Item No.5**

The Board accepted the syllabi for the Certificate and Career Oriented Courses.

### **Resolutions:**

#### **Agenda Item No. 1**

##### **UG - Semester - III**

It was resolved that an Allied paper titled '**Myth in Literature**' and a self study paper '**Fairy Tale Literature**' are introduced in semester III.

##### **UG - Semester - IV**

It was resolved that Core SB '**English for Competitive Examinations**' and a **Self Study Paper - Appreciation of Films** are introduced in Semester - IV

It was resolved that a new paper titled **English for Competitive Examinations** is given a new title **English for Proficiency**

##### **UG - Semester – V**

It was resolved that a common Core – **Women Empowerment in India (18ULCC5)** is introduced in Semester V.

It was resolved to have **American Literature** as Core instead of Core Elective.

It was resolved that a self study paper **Science Fiction** is introduced in Semester – V

#### **UG - Semester - VI**

It was resolved that the paper **Practical Criticism** in Semester VI is removed and a new paper **World Classics** is introduced.

It was resolved that the **Core Integral IV –Project & Viva Voce** is removed and replaced with a new paper **Diasporic Literature**

It was resolved that the paper **Feminism in India** is titled as **Women Empowerment in India**

It was resolved that the paper **Shakespeare** is titled as **Essentials in Shakespearean Writings**  
**Agenda Item No. 2**

1. It was resolved to change the title of the courses from British Literature I, II, III, IV to **British Poetry, British Prose, British Drama and British Fiction.**
2. It was resolved to change the title of the course **Computer Application** is changed to **Computer Literacy**
3. It was resolved to take out the course **Subaltern Studies (Common Core)** and replace it with a new Core Course titled **Religion and Literature (Code – 19PENC24)**
3. It was resolved to substitute Elective VI **Transformational Generative Grammar** by Elective V **Travel Literature (19PENE32A)** and Elective VI **Phonology by Detective Fiction (19PENE31B)**
4. It was resolved to have only eight hours for Project.

#### **Percentage of Revision:**

#### **UG**

##### **It was observed that in Semester III**

- 80% of revision has been made in Core V – (18UENC31) – Age of Tennyson
- 5% of revision has been made in Allied – V History of English Literature – I (18UENA31)
- 100% of revision has been made in Core SB – (18UENS31) Employability Skills
- 70% of revision has been made in NME – (18UENN31) – Functional English – I

##### **It was observed that in Semester IV**

- 80% of revision has been made in Core VI (18UENC41) 20<sup>th</sup> Century British Literature
- 45% of revision has been made in Allied VII (18UENA42) Media Writing
- 80% of revision has been made in NME – (18UENN41) Functional English - II

##### **It was observed that in Semester V**

- 65% of revision has been made in Core VIII (18UENC52) - Essentials in Shakespearean Writings



75% of revision has been made in Core XI – American Literature - (18UENC53)  
75% of revision has been made in Core Integral I - Literary Criticism (18UENI51)

**It was observed that in Semester VI**

55% of revision has been made in Indian Writing in English (18UENC61)  
35% of revision has been made in New Literatures in English – (18UENC63)

**PG Average Percentage of Revision for UG Papers: 63.75%**

**It was observed that in Semester I**

40% of revision has been made in (19PENC13) Indian Writing in English  
100% of revision has been made in (19PENC14) American Literature  
100% of revision has been made in (19PENE11A) Computer Literacy  
100% of revision has been made in (19PENE11B) English Literature for Career Advancement  
30% of revision has been made in (19PENE12A) Eco Literature  
100% of revision has been made in (19PENE12B) Journalism and Mass Communication

**It was observed that in Semester II**

20% of revision has been made in (19PENC21) British Drama  
20% of revision has been made in (19PENC22) Critical Theory – I  
20% of revision has been made in (19PENC23) Women's Writing  
100% of revision has been made in (19PENC24) Religion and Literature  
50% of revision has been made in (19PENE21A) Psychology and Literature  
100% of revision has been made in (19PENE21B) Communication Skills  
20% of revision has been made in (19PENE22A) English Language Teaching  
100% of revision has been made in (19PENE22B) Comparative Literature

**It was observed that in Semester III**

100% of revision has been made in British Literature IV (19PENC31)  
40% of revision has been made in Critical Theory II (19PENC32)  
100% of revision has been made in Study of the English Language (19PENC33)  
100% of revision has been made in Research Methodology (19PENC34)  
60% of revision has been made in Translation Theory and Practice (19PENE31A)  
100% of revision has been made in Travel Literature (19PENE32A)  
100% of revision has been made in Detective Fiction (19PENE31B)

**Average Percentage of Revision for PG Papers: 73%**



The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Ms. D. Jose Mary, Associate Professor of English.

### Members of BoS:

Dr. Ragu Antony  
Associate Professor of English  
V.O.C. College, Thoothukudi

*Ragu Antony*  
*Pradeep Singh*

Dr. Xavier Pradeep Singh  
Assistant Professor of English  
St. Joseph's College (Autonomous), Tiruchirapalli

Dr. Fernando Delishia  
Associate Professor of English  
Fatima College (Autonomous), Madurai

*Fernando Delishia*

Rev. Fr. Godwin Rufus  
Assistant Professor of English  
St. Joseph's College, Tiruchirapalli

*Godwin Rufus*

Mr. Meenakshi Sundaram  
Proprietor- Infotech, Thoothukudi

Dr. S. Vijaya Rani  
Associate Professor of English  
Lady Doak College (Autonomous) Madurai

*S. Vijaya Rani*  
*16/2*

### Members of the Department of English

Dr. A. Judy Pinheiro, Head of the Department & Associate Professor

*Judy Pinheiro*  
*Jose Mary*

D. Jose Mary, Associate Professor

A. Judith Sheela Damayanthi, Associate Professor

*A. Judith Sheela Damayanthi*

Dr. L. Jacqueline Leo, Associate Professor

*Mr. L.*

Ms. T. Mary Manonmani, Associate Professor

*T. Mary Manonmani*

Dr. B. Serena Margaret, Associate Professor

*B. Serena Margaret*

Dr. Josephine Alangara Betsy, Assistant Professor

*Betsy*

Dr. S. Sudha Rani, Assistant Professor

*S. Sudha Rani*

Ms. G. Sharon Roque Corera, Assistant Professor

Ms. M. Mangalaeswari, Assistant Professor

Ms. N. Sumathi, Assistant Professor

Ms. K. Karthika Rohini, Assistant Professor

Dr. F. Mary Priya, Assistant Professor

Ms. X. Amala Steffi, Assistant Professor

Ms. V. Muthu Kalaivani, Assistant Professor

Ms. G. Kanaga Durga, Assistant Professor

*[Handwritten signatures and initials corresponding to the list of Assistant Professors]*

**Members of the Department of English (SSC)**

Ms. Maria Sahaya Sharmila, Assistant Professor

Ms. M. Reeda Albin Mary, Assistant Professor

Dr. D. Shanmuga Jothi, Assistant Professor

Ms. M.G. Thiburtius, Assistant Professor

Sr. F. Mary Joyce Baby, Assistant Professor

Ms. M. Hermina, Assistant Professor

Ms. S. Suriya, Assistant Professor

Ms. I. Snow Reena, Assistant Professor

Ms. B. Sahaya Sheeba, Assistant Professor

A. Bercina Fernando - Student Representative

II M.A. English

K. Rathisha - Student Representative

III B.A. English

*[Handwritten signatures and initials corresponding to the list of Assistant Professors and Student Representatives]*

### **It was observed that in Semester IV**

80% of revision has been made in Shakespeare (19PENC41)

100% of revision has been made in New Literatures in English (19PENC43)

100% of revision has been made in World Literature in Translation (19PENC44)

The Board placed the following suggestions: The Board recommended to have a uniform pattern regarding the genres for all the courses. (Poetry, Prose, Drama, Fiction, Short Story) The curriculum, Programme outcome, Programme specific outcome, Course outcome and the course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Ms. D. Jose Mary, Associate Professor of English.

### **Members of BoS:**

Dr. Ragu Antony

Associate Professor of English  
V.O.C. College, Thoothukudi

Dr. Xavier Pradeep Singh  
Assistant Professor of English  
St. Joseph's College (Autonomous), Tiruchirapalli

Dr. Fernando Delishia  
Associate Professor of English  
Fatima College (Autonomous), Madurai

Rev. Fr. Godwin Rufus  
Assistant Professor of English  
Arulanandar College, Karumathur

Mr. Meenakshi Sundaram  
Proprietor- Infotech, Thoothukudi

Dr. S. Vijaya Rani  
Associate Professor of English  
Lady Doak College (Autonomous) Madurai

### **Members of the Department of English**

Dr. A. Judy Pinheiro, Head of the Department & Associate Professor

D. Jose Mary, Associate Professor

*gosemary*

A. Judith Sheela Damayanthi, Associate Professor

*A. Judith Sheela*

Dr. L. Jacqueline Leo, Associate Professor

*L. Jacqueline*

Ms. T. Mary Manonmani, Associate Professor

*T. Mary Manonmani*

Dr. B. Serena Margaret, Associate Professor

*B. Serena Margaret*

Dr. Josephine Alangara Betsy, Assistant Professor

*Betsy*

Dr. S. Sudha Rani, Assistant Professor

*S. Sudha Rani*

Ms. G. Sharon Roque Corera, Assistant Professor

*G. Sharon Roque Corera*

Ms. M. Mangalaeswari, Assistant Professor

*M. Mangalaeswari*

Ms. N. Sumathi, Assistant Professor

*N. Sumathi*

Ms. K. Karthika Rohini, Assistant Professor

*K. Karthika Rohini*

Dr. F. Mary Priya, Assistant Professor

*F. Mary Priya*

Ms. X. Amala Steffi, Assistant Professor

*X. Amala Steffi*

Ms. V. Muthu Kalaivani, Assistant Professor

Ms. G. Kanaga Durga, Assistant Professor (Management)

#### Members of the Department of English (SSC)

Ms. Maria Sahaya Sharmila, Assistant Professor

*Maria Sahaya Sharmila*

Ms. M. Reeda Albin Mary, Assistant Professor

Dr. D. Shanmuga Jothi, Assistant Professor

Ms. M.G. Thiburtius, Assistant Professor

Sr. F. Mary Joyce Baby, Assistant Professor

Ms. M. Hermina, Assistant Professor

Ms. S. Suriya, Assistant Professor

Ms. I. Snow Reena, Assistant Professor

Ms. B. Sahaya Sheeba, Assistant Professor

A. Bercina Fernando - Student Representative, II M.A. English

K. Rathisha - Student Representative  
III B.A. English

*K. Rathisha*



**MINUTES OF THE BOARD OF STUDIES MEETING**  
**Department of History**

The Board of Studies Meeting of the Department of History was conducted on 16.02.2019 at 10.30 a.m. in the department.

**No. of Members Present**

External Members : 5

Internal Members : 10

The Chairperson Dr. M. Mary Hepsi Bai Head and Associate Professor of History welcomed and introduced the Board of Studies Members.

**Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

**Agenda Item No.1 II**

**UG**

- In Semester III Indus Valley Civilisation paper was introduced as Allied paper and Archives and Museums was introduced as Skill Based Paper.
- In Semester IV Socio – Religious Reform Movements in India was introduced as Allied paper.

No.of Courses - 23

Course Revised - 6

**II UG & III UG**

| <b>Semester Type</b>         | <b>Course Title</b>                       | <b>Course Code</b> | <b>Percentage of Revision</b> |
|------------------------------|---|--------------------|-------------------------------|
| <b>Semester III</b>          | Indus Valley Civilization                 | 18UHIC31           | 100%                          |
|                              | Archives and Museums                      | 18UHis31           | 100%                          |
|                              | Freedom Movement in India                 | 18Uhin31           | 100%                          |
| <b>Semester IV</b>           | Socio Religious Reform Movements in India | 18UHIA42           | 100%                          |
|                              | Constitution of India                     | 18Uhin41           | 100%                          |
|                              | Women Empowerment in India                | 18ULCC51           | 100%                          |
| Total Revision of Percentage |   |                    | 26%                           |

## **Agenda Item No.2**

### **I PG**

- In Semester I Liberal Movements was introduced as Elective II.
- In Semester II Ancient World Civilisations (Excluding India) was introduced as Core VI.
- In Semester II Archives Keeping was introduced as Elective IV.
- In Semester III Women Studies was introduced as Elective V.
- In Semester III Indian History for Competitive Examinations was changed from Semester II to III as Elective VI.
- In Semester III Introduction to Indian Art was introduced as Elective VI
- In Semester IV Subaltern Studies was introduced as Common Core.
- In Semester IV Indian Art was introduced as Core XIII

**No. of Courses – 12**

**Corse Revised -6**

### **I PG – 2019 -2020**

| <b>Semester Type</b>                | <b>Course Title</b>                          | <b>Course Code</b> | <b>Percentage of revision</b> |
|-------------------------------------|--|--------------------|-------------------------------|
| <b>Semester I</b>                   | History of China from A.D 1840 to 1931       | 19PHIC14           | 30%                           |
|                                     | Women in Politics and Governance             | 19PHIE11           | 100%                          |
|                                     | Liberal Movements                            | 19PHIE12           | 100%                          |
| <b>Semester II</b>                  | Ancient World Civilization (Excluding India) | 19PHIC22           | 100%                          |
|                                     | Historical Tourism - Theory and Practice     | 19PHIE21           | 100%                          |
|                                     | Archives Keeping                             | 19PHIE22           | 100%                          |
| <b>Total Percentage of Revision</b> |  |                    | <b>44%</b>                    |

## **Agenda Item No.3**

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

- Internal Evaluation test mark can be increased.

## **Agenda Item No.4**

Mandatory MOOC course for P.G. (one paper every year)

It is mandatory for students to complete two (Self study) MOOC Courses (One course each year) during the period of her study.

This approach is the most favourable step for the progress of the students and their career.

#### **Agenda Item No.5**

Certificate Course & Career Oriented Course.

- Certificate course for the I UG students should be “Learning English through History” because students from Tamil medium will be benefited and their language skill will enrich their subject knowledge as well as spoken skill.
- Career oriented course for II and III UG students’ soft skills and Tally respectively is helpful for the students employability.

#### **Recommendations**

**Refer Annexure I**

#### **Resolution**

- It was resolved that Allied VI Indus Valley Civilisation and Skill Based Archives and Museums is introduced in Semester III and Allied VIII SocioReligious Reform Movements in India is introduced in Semester IV.
- The Common Core Feminism in India and Project is introduced in semester V and Semester VI respectively with various changes.
- Elective II Liberal Movements and Elective IV Archives Keeping is introduced in Semester I and II respectively with slight changes.
- Elective V Women Studies is introduced in Semester III with changes.
- The Common Core Subaltern Studies is introduced in Semester IV with some changes.
- It was resolved that self study compulsory paper Indian History for Competitive Examinations in Semester II was shifted to Semester III as Elective VI.
- It was observed that 70 percentage of revision has been made

It was observed that research activity is undertaken in UG as group project and in PG as individual project.


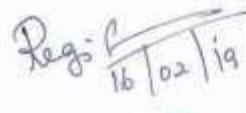

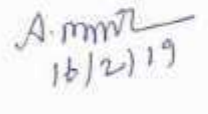

The Board placed the following suggestions:

- The syllabus is upto date
- New papers introduced are standard and good
- Common Core paper should be arranged in chronological order and coherent within historical background.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Ms. Malini Apsala .

**List of the Members of Board of Studies**  
**External Members**


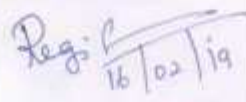

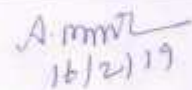

| S. No | Name and designation  | Signature   |
|-------|---|---|
| 1.    | <b>Dr. Soundara Rajan</b><br>Head & Associate Professor<br>V.O.C. College<br>Thoothukudi<br>9443657053                  | <br>16/02/19  |
| 2.    | <b>Dr. Regi</b><br>Head and Associate Professor<br>Holy Cross College<br>Nagercoil<br>9442481991                        | <br>16/02/19  |
| 3.    | <b>Dr. S. Bagavathy Perumal</b><br>Associate Professor of History<br>S.T Hindu College,<br>Nagercoil<br>9443993769      | <br>16.2.2019 |
| 4.    | <b>Dr. Mohini</b><br>Associate Professor<br>Department of History<br>VHSN College<br>Virudunagar – 626001<br>9488001807 | <br>16/2/19 |
| 5.    | <b>Dr. Jemi Merlin Rani,</b><br>Assistant Professor of History<br>Sadakathullah Appa College<br>Tirunelveli             | <br>16/2/19 |



**Internal Members**

| S.No. | Name of the Faculty        | Signature              |
|-------|----------------------------|------------------------|
| 1.    | Dr. M. Mary Hepsi Bai      | M. Mary Hepsi Bai      |
| 2.    | Ms. A. Malini Apsala       | A. Malini Apsala       |
| 3.    | Dr. S. Theresammal         | S. Theresammal         |
| 4.    | Dr. F. Maria Jenifer Thaya | F. Maria Jenifer Thaya |
| 5.    | Ms. S. M. Rojapoo          | S. M. Rojapoo          |
| 6.    | Dr. J. Jane D' Almeida     | J. Jane D' Almeida     |
| 7.    | Dr. S. M. Vimala           | S. M. Vimala           |
| 8.    | Ms. Keerthana Santhosh     | Keerthana Santhosh     |
| 9.    | Ms. S. Sheela (Mgmt)       | S. Sheela              |
| 10.   | Dr. T. Jayanthi            | T. Jayanthi            |

**List of the Members of Board of Studies**  
**External Members**

| S. No | Name and designation  | Signature   |
|-------|---|---|
| 1.    | <b>Dr. Soundara Rajan</b><br>Head & Associate Professor<br>V.O.C. College<br>Thoothukudi<br>9443657053                  | <br>16/2/19   |
| 2.    | <b>Dr. Regi</b><br>Head and Associate Professor<br>Holy Cross College<br>Nagercoil<br>9442481991                        | <br>16/02/19  |
| 3.    | <b>Dr. S. Bagavathy Perumal</b><br>Associate Professor of History<br>S.T Hindu College,<br>Nagercoil<br>9443993769      | <br>16-2-2019 |
| 4.    | <b>Dr. Mohini</b><br>Associate Professor<br>Department of History<br>VHSN College<br>Virudunagar - 626001<br>9488001807 | <br>16/2/19   |
| 5.    | <b>Dr. Jemi Merlin Rani,</b><br>Assistant Professor of History<br>Sadakathullah Appa College<br>Tirunelveli             | <br>16/2/19 |

**ST.MARY'S COLLEGE (AUOTONOMOUS), THOOTHUKUDI**

**DEPARTMENT OF ECONOMICS**

**MINUTES OF THE BOARD OF STUDIES MEETING**

The Board of Studies Meeting of the Department of Economics was conducted on 23.2.2011 at 10.30 a.m. in the department of Economics.

5 external members, Dr. Suganda Ramamoorthy, Associate Professor of Economics, Lady Doak College (Autonomous) Thallakulam, Madurai, Dr. Arputhamani, Associate Professor of Economics, Sarah Tucker College, Palayamkottai, Dr. Jeya Sheela, Assistant Professor of Economics, Rani Anna Government College for women, Tirunelveli, Dr. K.B. Raja Stalin (Industrialist), Managing Director, Pridiv Agencies, Pudukottai, Thoothukudi and our Alumna Dr. Prabavathy, Associate Professor of Economics, Kamaraj College, Thoothukudi and 7 Internal members were present for the meeting.

The Chairperson Mrs. X. Esther Vimala welcomed and introduced the Board of Studies Members.

The following members expressed their inability to attend the meeting

**1. University Nominee**

Dr. Amalanathan,  
Associate Professor of Economics,  
St. Xavier's College (Autonomous)  
Palayamkottai

**2. Internal member**

Dr. D.Amutha,  
Associate Professor of Economics  
St. Mary's College,  
Thoothukudi

The chairperson presented the agenda one by one and invited the members for discussion.

**Agenda Item No. 1**

In the first agenda the course structure and syllabus for II and III UG were presented. The Board members thoroughly went through the Course structure as well as the Content of all the courses offered in III, IV, V, and VI Semesters in detail and offered their valuable suggestions.

**Agenda Item No. 2**

The Course Structure and syllabus for I and II P.G were presented and discussed.

**Agenda Item No. 3**

Change in evaluation pattern was informed by the Chairperson as Test mark to be converted to 15 and to allot 5 marks for assignment which has to be included as a component of Ability Enhancement Programme.



#### Agenda Item No. 4

It was informed to the board members that two self-study MOOC (Massive Open Online Course) (one course each year) are mandatory for the PG Students during the period of their study. A list of UGC approved MOOC Courses was presented in the Board as follows:

#### Agenda Item No. 5

The Department has presented the syllabi for 'Employability Skills for Economics Graduates' as Certificate Course for the Second Year Students & 'Front Office Management in Shipping Companies' as Career Oriented Course for the III Year Students and the same were accepted by the board members

#### Recommendations

✓ Regarding the syllabi discussion certain topics were suggested to be included and some topics were asked to be removed from some units.

The Board recommended latest and standard text books and reference books for some courses and to take care of the order of sequence.

✓ The Board recommended that the distribution of hours for some courses should be allotted by considering the content of those units

#### Resolutions

The Board members analysed the existing syllabus for B.A and M.A Economics and after lots of discussions and deliberations the following resolutions were adopted.

- It was resolved that the Course Structures for both UG and PG were approved by the members.
- It was resolved that the title "Economics of statistics - I and II" should be named as "Statistics Methods or Statistics I and II" and therefore corrections were carried forward and the course was named as Statistics I & II.
- It was resolved that the unit (Matrix) should be shifted from semester III to semester IV and the topic "Sets" was suggested to be included in Semester III. Some portions were minimized in Statistics and Mathematical Methods as per the number of hours available.
- It was resolved that Allied papers should be aligned and related with subject core papers and they should support the core papers.
- It was resolved that the change in evaluation pattern as Test mark to be converted to 15 and to allot 5 marks for assignment which has to be included as a component of Ability Enhancement Programme was accepted by the board members
- It was resolved that the Course Outcomes and PSO's were discussed for all the courses of both UG and PG and necessary modifications were made.



- It was resolved to offer a certificate course on 'Employability skills for Economics Graduates' for II BA Students and 'Front Office Management in Shipping Companies' for IH BA Students respectively
- It was resolved that for P.G. Public Finance and International Economics should be included in the course structure and syllabus for the same was framed. Welfare Economics was removed from the course structure.
- It was resolved that corrections in some units of the courses Statistics for Economists, Mathematics For Economists, Computer Application in Economic Analysis, Research Methodology were carried out in the PG Syllabus
- It was resolved that unless and otherwise the original software for Tally and SPSS Packages are used that topics should not be included in the syllabi of Computer Application for Economic Analysis and Research Methodology.
- It was resolved to offer the following UGC sponsored MOOC Courses for Economics to the PG Students
  - Basic Econometrics,
  - Time Series Econometrics,
  - Forecasting and Time Series Analysis;
  - Experimental Methods for Economics
  - Business Economics;
  - Criminology Economics;
  - Tourism management
  - ECO-Tourism Management;
  - Agricultural Farming
- It was resolved to introduce the following new courses for UG& PG

| Year of Revision | B.A. Economics | Course Title/Code                                | Percentage of Revision | Overall Percentage of Revision |
|------------------|----------------|--|------------------------|--------------------------------|
| 2018             | I Semester     | Allied-Principles of Commerce -18UECA11          |                        |                                |
|                  |                | Allied-Economics of Advertising-18UECA12         | 100                    |                                |
|                  |                | Allied-Labour Economics (History) – 18UHIA12     | 100                    |                                |
|                  | II Semester    | Allied-Principles of Marketing- 18UECA21         | 100                    |                                |
|                  |                | Allied- Population Economics(History)-18UHIA21   | 100                    |                                |
|                  |                | Allied-Women Entrepreneurship (History)-18UHIA22 | 100                    |                                |

|      |              |   |     |        |
|------|--------------|---|-----|--------|
| 2019 | III Semester | Core-Tamil Nadu Economy -18UECC31                                       | 100 | 54.28% |
|      |              | Core SB-Entrepreneurial Development-18UECS31                            | 100 |        |
|      | IV Semester  | Core SB-Women and Economic Development-18UECS41                         | 100 |        |
|      |              | NME-Tourism and Economic Development-II18UECN41                         | 100 |        |
|      | V Semester   | Common Core- Human Resource Management-18UECC51                         | 100 |        |
|      |              | Core Integral I-Rural Economics- 18UECI51                               | 100 |        |
|      |              | Core Integral II-Tourism Economics-18UECI52                             | 100 |        |
|      |              | Self-Study/Online Course-Economics of Insurance (Compulsory) - 18UECSS1 | 100 |        |
|      | VI Semester  | Core-Labour Economics- 18UECC63   | 100 |        |
|      |              | Core Integral IV – Energy Economics – 18UECI62                          | 100 |        |

| Year of Revision | M.A. Economics | Course Title/Code  | Percentage of Revision               | Overall Percentage of Revision |
|------------------|----------------|--|--------------------------------------|--------------------------------|
| 2019             | I Semester     | Core III – Statistics for Economists - 19 PECC 13<br>Core IV – Economics of Infrastructure - 19 PECC 14<br>Elective I – Environmental Economics – 19 PECE11<br>Elective II - Energy Economics ( OR)<br>Gender Economics - 19 PEC | 100%<br>100%<br>100%<br>100%<br>100% | 53%                            |
|                  | II Semester    | Core VII- Fiscal Economics - 19PECC23<br>Core VIII – Mathematics For Economists- 19PECC24<br>Elective III – Economics of Tourism - 19PECE21<br>Elective IV – Health Economics ( Or) International Economics - 19PECE22           | 100%<br>100%<br>100%<br>100%<br>100% |                                |
|                  | III Semester   | Core- XI – Social Economics 19PECC33<br>Core XII - Research Methodology - 19PECC34<br>Elective V - Marketing Management (OR) Computer Application in Economic Analysis -19PECE31   | 100%<br>100%<br>100%<br>100%         |                                |
|                  | IV Semester    | Core - XIII– Indian Economic History and Thought – 19 PECC 41<br>Core- XIV – Demography – 19PECC 42<br>Core-XV - Financial Institutions & Markets -19PECC43  | 100%<br>100%<br>100%                 |                                |

- It was resolved that the following courses are interchanged for both UG & PG Economics

| B.A.Economics | Course Title/Code   | Percentage of Revision |
|---------------|---|------------------------|
| III Semester  | Allied –Statistics I – 18UECA31 ( I Semester to III Semester) | 45%                    |
|               | Allied – Mathematical Methods I – 18UECA32 ( Content Change)  | 20%                    |
| IV Semester   | Core – Monetary Economics –18UECC41 ( V Sem to IV Sem)        | 10%                    |
|               | Allied –Statistics II – 18UECA41                              | 70%                    |
|               | Allied – Mathematical Methods II – 18UECA42                   | 15%                    |
| V Semester    | Core – Macro Economics I- 18UECC52                            | 5%                     |
|               | Core – Fiscal Economics – 18UECC53                            | 5%                     |
| VI Semester   | Core – Macro Economics II – 18UECC61                          | 0%                     |
|               | Core – Development Economics – 18UECC62                       | 5%                     |
|               | Core Integral-International Economics–18UECI61                | 5%                     |

| M A Economics | Course Title/Code                              | Percentage of Revision |
|---------------|--|------------------------|
| II Semester   | Elective - Modern Banking -19PECE 21           | –                      |
| III Semester  | Core – XII - Research Methodology - 19PECC34   |                        |
|               | Elective – VI – Logistics Management- 19PECE32 |                        |
| IV Semester   | Core - XVI – Monetary Economics - 19PECC44     | –                      |

It was observed that 54.28 percentage of revision has been made in UG Syllabus and 53 percentage of revision has been made in PG Syllabus which was highly appreciated by the Board

It was observed that research activity is undertaken in UG as group project and in PG as individual project. The Guidelines for both UG and PG Projects were discussed and approved by the Board

The Board placed the following suggestions and Appreciation

- The Board members recorded their appreciation for the POs, PSOs for both UG and PG programmes and also the vision mission statements and course outcomes for each and every courses
- The Board members recorded their appreciation for the revision of course structure with 54 percent



The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Dr. Muthu Maha Laxmi

#### External Members

Sugan R  
23/2/19

J. Aputhamani  
23/2/19

J. Jayash  
23/2/19

R. Prabhavathy  
23/2/19.

JG.B. RAJA STALIN

Dr. Rajan  
22/2

#### Internal Members

X Eshtha Vmulla  
23/2/2019

D. S.  
23/02/2019

Dr. Muthu Maha Laxmi  
23/2/19

N. Nagalakshmi  
23/2/2019

Dr. Sudha  
23/2/19

Dr. S. S. Sankar  
23/2/19

P. Anuradha



## **MINUTES OF THE BOARD OF STUDIES MEETING MATHEMATICS**

The Board of Studies Meeting of the Department of Mathematics was conducted on 23.02.2019 at 10 a.m in the Guest House of St.Mary's College (Autonomous),Thoothukudi

### **No. of Members Present**

External Members : 4

Internal Members : 15

The Chairperson Dr.A.Punitha Tharani welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

1. Mrs.A. Sheela Roselin  
Assistant Professor  
Department of Mathematics  
Fatima College (Autonomous)  
Madurai.
2. J. Ancy  
Software Engineer  
Larsen & Toubro Infotech  
DLF IT Park, SEZ Campus,  
1/124 Shivaji Gardens, Marapakkam,  
Chennai - 600 089.

### **Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

#### **Agenda Item No.1**

II & III U.G. Syllabi

#### **Agenda Item No.2**

I & II P.G. Syllabi

#### **Agenda Item No.3**

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

#### **Agenda Item No.4**

Mandatory MOOC course for P.G. (one paper every year)

#### **Agenda Item No.5**

Certificate Course & Career Oriented Course.

### **Recommendations**

#### **Agenda Item No.1**

##### **UG**

- Analyse and Creative points of Cognitive Level should be minimised in UG level.
- It is suggested to change Text Book as Book for Study.
- For Statistics, Unit V can be removed and the remaining contents can be evenly distributed as five units.
- Allied IV course title Discrete Mathematics to be changed as Lattice Theory and Boolean Algebra and the contents and book for study were suggested to be changed.
- It is suggested to change the Text Book and contents for Lattice Theory and Boolean Algebra.
- It is suggested to remove Unit I and add Ordinary Differential Equations in the Common Core paper – Computer Oriented Numerical Methods in Semester V.
- It is suggested to interchange Core X Modern Analysis to Core IX Operations research and vice versa.
- Core VIII course title Abstract Algebra to be changed as Modern Algebra.
- Self study paper Foundation of Mathematics in Semester III is found to be difficult.

#### **Agenda Item No.2**

- Number of Books for Reference may be uniform for all the courses.
- Publication, edition and year must be specified for all study and reference books.
- Core I course title Algebra I to be changed as Groups and Rings.
- Core II course title Real Analysis - I to be changed as Real Analysis.
- Core VI course title Algebra II to be changed as Linear Algebra.
- Core VII course title Real Analysis - II to be changed as Mathematical Analysis.
- Core VIII course title Mechanics to be changed as Classical Mechanics.
- Core X course title Fuzzy Sets to be changed as Fuzzy Algebra.

#### **Agenda Item No.3**

- The Change in evaluation pattern was approved by the Board Members.

#### **Agenda Item No.4**

- Introduction of MOOC course as self study paper was accepted by the Board Members.

#### **Agenda Item No.5**

Certificate Course & Career Oriented Course.

- Tally and DTP courses were discussed by the Board members.

#### **Resolution**

##### **New Courses introduced**

###### **➤ UG:**

It was resolved that

- New Allied courses Linear Programming in Semester III and Discrete Mathematics in Semester IV have been introduced.
- New Core course Real Analysis has been introduced in Semester IV.
- New Core Integral courses Statistical Inference in Semester VI and Mechanics in Semester VI have been introduced.
- For Core Skill Based Course, Math type using LaTeX has been included instead of Office Automation for SBE in IV Semester.
- Common Core has been introduced in semester V for Mathematics and Computer Science students.
- Core Integral V Coding Theory has been introduced and given as optional for Project in VI semester.
- For NME, new courses Mathematics for Competitive Examinations I in semester III and Mathematics for Competitive Examinations II in semester IV have been introduced.
- The board members approved the contents of the Allied Mathematics papers for Physics Major for Semester III and Semester IV.

#### **1. Papers interchanged**

###### **➤ UG:**

It was resolved that

- Graph Theory has been shifted to VI semester from V semester.
- Operations Research has been shifted to V semester from VI semester.
- Statistics II to be shifted to Semester III and renamed as Statistics I and Statistics I to be shifted to Semester IV and renamed as Statistics II.

➤ **PG:**

- Research methodology has been introduced in the III semester.
- Common Core is replaced by Calculus of Variations and Integral Equations
- Compulsory one MOOC Course per year has been introduced.

2. Percentage of revision that has been made

➤ **UG:**

| Semester | Name of the Paper  |   | Total percentage of addition (%) | Total percentage of Deletion (%) |
|----------|--|---|----------------------------------|----------------------------------|
|          | 2019   | 2015  |                                  |                                  |
| III      | Core V:<br>Sequences and Series, Trigonometry                | Core V:<br>Sequences and Series                         |                                  |                                  |
|          | Allied III :Statistics I                                     | Allied II :Statistics I                                 |                                  | 40                               |
|          | Allied IV: Linear Programming                                | -   | 100                              |                                  |
|          | Core Skill Based - Numerical Aptitude and Arithmetic Ability | Skill Based - Mathematics for Competitive Exam / MATLAB | 100                              |                                  |
|          | NME : Mathematics  | NME :Numerical Aptitude                                 | 100                              |                                  |



|    |  |                            |     |    |
|----|--|----------------------------|-----|----|
|    | for Competitive Examinations I                               | and Arithmetic Ability     |     |    |
| IV | Core VI: Real Analysis                                       | --                         | 100 | -- |
|    | Allied V: Statistics II                                      | Allied II :Statistics II   |     | 40 |
|    | Allied VI: Lattice Theory and Boolean Algebra                | --                         | 100 | -- |
|    | Core Skill Based: Math Type using LaTeX                      | --                         | 100 | -- |
|    | NME : Mathematics for Competitive Examinations II            | NME : Statistics           | 100 |    |
|    | Self Study Course : Industrial Mathematics                   |                            |     |    |
| V  | Common Core : Core VII – Computer Oriented Numerical Methods | --                         | 100 | -- |
|    | Core VIII – Modern Algebra                                   | Core VI – Abstract Algebra | ←   |    |

|    |  |  |     |    |
|----|--|--|-----|----|
|    | Core IX – Operations Research                        | Core Elective II - Operations Research     | 40  | 40 |
|    | Core X – Modern Analysis                             |  |     | 20 |
|    | Core Integral I – Vector Calculus and Fourier Series | Core XII :Vector Calculus and Trigonometry | 20  | 40 |
|    | Core Integral II – Statistical Inference             | --   | 100 | -- |
|    | Self Study: Astronomy                                | Self Study: Astronomy                      |     |    |
| VI | Core XI - Complex Analysis                           | Core IX - Complex Analysis                 |     |    |
|    | Core XII- Linear Algebra                             | Core VII- Linear Algebra                   |     |    |
|    | Core Integral III – Mechanics                        | --   | 100 | -- |
|    | Core Integral IV – Graph Theory                      | Core Integral X – Graph Theory             |     | 15 |
|    | Core Integral V – Coding Theory/ Project             | --   | 100 | -- |

**Department of Mathematics**  
**Details of Syllabus Revision**  
**2019 - 2020**

| <b>Semester</b> | <b>Component</b>   | <b>Course Code</b> | <b>Course</b>                                 | <b>Revision in Percentage</b> |
|-----------------|--|--------------------|---|-------------------------------|
| <b>III</b>      | Core V   | 18UMAC31           | Sequences and Series,<br>Trigonometry         | 20                            |
|                 | Allied III   | 18UMMA31           | Statistics I                                  | 40                            |
|                 | Allied IV  | 18UMMA32           | Linear Programming                            | 100                           |
|                 | Allied I (Physics)                                       | 18UMAA31           | Allied Mathematics I                          | 10                            |
|                 | Allied II (Physics)                                      | 18UMAA32           | Allied Mathematics II                         | 10                            |
|                 | Core Skill Based   | 18UMAS31           | Numerical Aptitude and<br>Arithmetic Ability  | 100                           |
|                 | NME I  | 18UMAN31           | Mathematics for<br>Competitive Examinations I | 100                           |
|                 | Self-Study /<br>On-line Course/<br>Internship (Optional) | 18UMASS1           | Foundation of Mathematics                     | -                             |
| <b>IV</b>       | Core VI  | 18UMAC41           | Real Analysis                                 | 100                           |
|                 | Allied V   | 18UMMA41           | Statistics II                                 | 40                            |
|                 | Allied VI  | 18UMMA42           | Discrete Mathematics                          | 100                           |
|                 | Allied III (Physics)                                     | 18UMAA41           | Allied Mathematics III                        | 10                            |
|                 | Allied IV (Physics)                                      | 18UMAA42           | Allied Mathematics IV                         | 10                            |
|                 | Core Skill Based   | 18UMAS41           | Math Type using LaTeX                         | 100                           |
|                 | NME II   | 18UMAN41           | Mathematics for                               | 100                           |

|           |  |          |  |      |
|-----------|--|----------|--|------|
|           |  |          | Competitive Examinations II            |      |
|           | Self Study /<br>On-line Course/<br>Internship (Optional) | 18UMASS2 | Industrial Mathematics                 | 20   |
| <b>V</b>  | Core VII<br>(Common Core)                                | 18UCCC51 | Computer Oriented<br>Numerical Methods | 100  |
|           | Core VIII  | 18UMAC52 | Modern Algebra                         | -    |
|           | Core IX  | 18UMAC53 | Modern Analysis                        | 20   |
|           | Core X   | 18UMAC54 | Operations Research                    | 40   |
|           | Core Integral I  | 18UMAI51 | Vector Calculus and<br>Fourier Series  | 20   |
|           | Core Integral II   | 18UMAI52 | Statistical Inference                  | 100  |
|           | Self Study or<br>On-line Course<br>(Compulsory)          | 18UMASS3 | Astronomy                              | -    |
| <b>VI</b> | Core XI  | 18UMAC61 | Complex Analysis                       | -    |
|           | Core XII   | 18UMAC62 | Linear Algebra                         | -    |
|           | Core XIII  | 18UMAC63 | Mechanics                              | 100  |
|           | Core Integral III  | 18UMAI61 | Graph Theory                           | 15   |
|           | Core Integral IV   | 18UMAI62 | Coding Theory                          | 100  |
|           | Average  |          |  | 48.4 |



➤ PG:

| Semester | Course Name  |   | Percentage of Revision |
|----------|--|---|------------------------|
|          | 2017   | 2019  |                        |
| I        | Core I - Algebra I   | Core I - Groups and Rings                               | 10                     |
|          | Core II - Real Analysis I                                  | Core II -Real Analysis                                  | 10                     |
|          | Core III- Ordinary Differential Equations                  | Core III -Ordinary differential Equations               | 10                     |
|          | Core IV - Mathematical Statistics                          | Core IV -Mathematical Statistics                        | 10                     |
|          | Elective I - Operations Research / Optimization Techniques | Core V - Operations Research                            | 10                     |
| II       | Core V -Algebra II   | Core VI -Linear Algebra                                 | 10                     |
|          | Core VI -Real Analysis II                                  | Core VII- Mathematical Analysis                         | 10                     |
|          | Core VII- Mechanics  | Core VIII - Classical Mechanics                         | 10                     |
|          | Core VIII -Partial Differential Equations                  | Core IX - Calculus of Variations and Integral Equations | 100                    |
|          | Elective II- Numerical Methods                             | Core X - Fuzzy Algebra                                  | 100                    |
|          | Self Study Course (Compulsory )-Discrete Mathematics       | Elective I -Combinatorics                               | 100                    |
|          |  | Self Study Course (Compulsory )Discrete Mathematics     | 100                    |
|          | Core IX - Transforms with MATLAB                           | Core XI - Topology                                      | 100                    |
|          | Core X -Topology   | Core XII - Graph Theory                                 | 100                    |

|     |  |   |     |
|-----|--|---|-----|
| III | Core XI - Measure Theory   | Core XIII - Measure Theory                            | 10  |
|     | Core XII - Graph Theory  | Core XIV - Partial Differential Equations             | 100 |
|     | Elective III<br>Combinatorics/ Calculus Of Variations and Integral Equations | Core XV- Research Methodology                         | 100 |
|     | Practical I - Transforms with MATLAB   | Elective II - Fluid Mechanics                         | 100 |
|     | Self Study Course (Optional) - History of Mathematics                        | Self Study Course (Optional) - History of Mathematics | 10  |
| IV  | Core XIII - Complex Analysis   | Core XVI - Complex Analysis                           | 10  |
|     | Core XIV - Functional Analysis   | Core XVII - Functional Analysis                       | 10  |
|     | Core XV - Number Theory  | Core XVIII - Number Theory                            | 10  |
|     | Elective IV - Differential Geometry/ Projective Geometry                     | Core XIX - Differential Geometry                      | 10  |
|     | Project - Dissertation   | Project   |     |

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The Board placed the following suggestions:

**UG:**

- The UG Mathematics curriculum has been heedfully prepared with calibre to meet the needs of the students reasonably and satisfactorily.
- The pertinent books for study and reference are specified and chosen scrupulously.
- The inclusion of common core under school system was found to be innovative.

- Vision, Mission and Course outcomes for each course have been discussed and accepted by the board members.

#### PG:

- The PG Mathematics curriculum is passable.
- The course outcome must be discrete to the level of PG curriculum.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Dr.G.Priscilla Pacifica.

| S.No. | Name and Address  | Signature  |
|-------|---|--|
| 1.    | Dr.A.Punitha Tharani<br>Chair Person<br>Head and Associate Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.                              |    |
| 2.    | Dr.N. Soundararaj <b>University Nominee</b><br>Associate Professor<br>Department of Mathematics<br>Sri.S.Ramasamy Naidu Memorial College<br>Sattur, Virudhunagar (DT) 626203. |  |
| 3.    | Dr.S.Somasundaram <b>Subject Expert</b><br>Professor<br>Department of Mathematics<br>Manonmaniam Sundaranar University<br>Tirunelveli - 627 012.                              |  |
| 4.    | Dr. A.Lourdusamy <b>Subject Expert</b><br>Associate Professor<br>Department of Mathematics<br>St. Xavier's College(Autonomous)<br>Palayamkottai.                              |  |
| 5.    | Dr.J.Xavier Adaikalaraj <b>Subject Expert</b><br>Associate Professor<br>Department of Mathematics,<br>Arul Anandar College (Autonomous)<br>Karumathur, Madurai – 625514.      |  |



|     |  |                         |
|-----|--|-------------------------|
| 6.  | Dr. V.L.Stella Arputha Mary<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi. | Dr. Stella Arputha Mary |
| 7.  | Sr. S.Kulandai Therese<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.      |                         |
| 8.  | Dr.J.Arul Jesti<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.             | Jesti                   |
| 9.  | Dr.G.Priscilla Pacifica<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.     | G. Priscilla Pacifica   |
| 10. | Dr. P.Anbarasi Rodrigo<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.      | P. Anbarasi Rodrigo     |
| 11. | Ms.C.Reena<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.                  | Reena                   |
| 12. | Ms.Kanaga<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.                   | M. Kanaga               |
| 13. | Ms.A.Robina Tony<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.            | A. Robina Tony          |



|     |  |                         |
|-----|--|-------------------------|
| 14. | Ms.A.Nilofer<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi               |                         |
| 15. | Ms.R. Maria Irudaya Aspin<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi. | <i>R. Aspin</i>         |
| 16. | Ms.H.Sujitha<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.              | <i>H. Sujitha</i>       |
| 17. | Ms.K.Rajendra Suba<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.        | <i>K. Rajendra Suba</i> |
| 18. | Ms.V.Uma Maheswari<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.        | <i>V. Umamaheswari</i>  |
| 19. | Ms.A.Ancy<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.                 | <i>Ancy. A.</i>         |
| 20. | Ms.A.Ferdina<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.              | <i>Aineel</i>           |
| 21. | P.Saradha (Student representative – UG)  | <i>P. Saradha</i>       |
| 22. | S.Esther Jesy (Student representative – PG)  | <i>S. Esther Jesy</i>   |

## **MINUTES OF THE BOARD OF STUDIES MEETING**

### **Department of Physics**

The Board of Studies Meeting of the Department of Physics was conducted on 16.02.2019 at 9.30 a.m in the department of physics.

#### **No. of Members Present**

External Members : 4

Internal Members : 13

The Chairperson Dr. Mrs. Euchrista Immaculate Sylvia welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

1. Dr. S. Shailajha (University Nominee),  
Assistant Professor,  
Manonmanium Sundaranar University,  
Tirunelveli.
2. Dr. J.Jebaraj Devadasan,  
Head & Associate Professor,  
Pope's College,  
Sawyerpuram.
3. Dr. Therese Pushpam,  
Associate Professor,  
Fatima College,  
Madurai.

#### **Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

#### **Agenda Item No.1**

##### **➤ UG**

- Inclusion of two practicals because of star college syllabus was approved in Practical I
- Units III, IV and V of the course Physics for Competitive Examinations are changed as Heat & Optics, Electricity & Electromagnetism and Electronics respectively
- Few topics in Common Core course was deleted in unit IV (Weiss theory, Ferrites and Dielectric loss).
- The topic Multiplexer is followed by Flipflops in unit III of the course Digital Electronics
- Few topics in Core Integral I (Renewable Energy Sources) was deleted in Unit III
- Two topics in Core XI (Nuclear and Particle Physics) was deleted in Unit II

#### **Agenda Item No.2**

##### **➤ PG**

- Ali Omer, Introduction to solids can be used as a reference book for condensed matter physics.

- In condensed matter physics, units I and II can be simplified and combined into a single unit and contents in chapter 7 (Energy Band) of Charles Kittel, Introduction to solid state physics can be included as unit II.
- In microprocessor and microcontroller, unit III has to be replaced by chapter VIII (counters and time delay) from Microprocessor Architecture, Programming and applications with the 8085 by Ramesh Gaonkar.

### **Agenda Item No.3**

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

The Change in evaluation pattern was approved by the Board Study Members.

### **Agenda Item No.4**

Mandatory MOOC course for P.G. (one paper every year)

Introduction of MOOC course as self study paper was accepted by the Board Study Members.

### **Agenda Item No.5**

Certificate Course & Career Oriented Course.

- Web design, Photoshop, Virtual laboratory, E-source, Hands on training in Electrical Appliances and Simulation related topics were discussed by the Board of Studies member.

## **Recommendations**

### **Agenda Item No.1**

- Practicals can be conducted in non semester only.
- Analyse and Creative points of Cognitive Level should be minimised in UG level.

### **Agenda Item No.2**

- Credits and marks should be given year wise for practicals in the course structure.
- Marks for field work can be allotted based on report writing and viva-voce.
- Since the number of hours for practicals has been increased, number of sub sections in individual experiments can be increased.
- Publication, edition and year must be specified for all study and reference books.
- C++ and microprocessor & microcontroller practicals must be specified separately.

### **Agenda Item No.5**

- Suggested to visit Government Polytechnic Institute, Thoothukudi and Geo Magnetic Research Centre, Krishnapuram to collect information for Certificate and Career Oriented Course.

## **Resolution**

### **1. New Courses introduced**

#### **➤ UG:**

It was resolved that

- For Core Skill Based Course, Instrumentation has been included instead of Office Automation for SBE in III Semester.
- Two Self Study courses are newly introduced in III and IV semester namely Electrical wiring and Appliances and Sensors respectively instead of Soft skills and Modern Photography.
- For NME, new Course names Applied Physics I has been introduced in III semester and Applied Physics II has been introduced in IV semester.
- Common Core has been introduced in V semester for Physics and Chemistry students.
- Additional Course is introduced in VI semester named Opto Electronics and Fibre Optics Communication which is shifted to VI semester from V semester.
- Core Integral III Microprocessor 8086 and Microcontroller has been introduced and given as optional for Project in VI semester.

#### **➤ PG:**

- Field work has been introduced in the II semester.
- Research methodology has been introduced in the III semester.
- Elective/field work/study tour has been introduced in the IV semester.
- Compulsory one MOOC Course per year has been introduced.

### **2. Papers interchanged**

#### **➤ UG:**

It was resolved that

- Course Thermal Physics has been interchanged from I semester to II Semester
- Electricity and Electromagnetism has been introduced to III semester.
- Electronics and Communication has shifted to IV semester from III semester, Programming in C++ course has been shifted to V semester from IV semester named as Computational Physics.
- For Core Skill Based, Physics for Competitive Examinations has been shifted to IV semester from V semester.

#### **➤ PG:**

- Nanoscience and Technology has been shifted from IV semester to II semester.
- IDE (Industrial Products) has been removed from II semester.
- Atomic and Molecular spectroscopy has been shifted from IV semester to III semester.
- Nuclear and particle physics has been shifted from semester III to semester IV.
- Project has been shifted from semester III to semester IV.



3. Percentage of revision has been made

➤ UG:

| Semester | Name of the Paper   |  | Total percentage of addition (%) |
|----------|---|--|----------------------------------|
|          | 2018  | 2015                                       |                                  |
| III      | Core V: Electricity and Electromagnetism                  | Core IV: Electricity and Electromagnetism  | --                               |
|          | Core Skill Based - Insatrummentation                      | ----                                       | 100                              |
|          | NME : Applied Physics I                                   | NME : Electronics                          | 64                               |
|          | Self Study: Electrical Wiring and Appliances              | Self Study: Soft Skills                    | 100                              |
| IV       | Core VI: Electronics and communication                    | Core V: Electronics and communication      | 100                              |
|          | Core Skill Based: Physics for competitive examination     | -----                                      | 100                              |
|          | NME : Applied Physics II                                  | NME : Applied Physics                      | 85                               |
|          | Self Study Course : Sensors                               | Self Study Course : Modern Photography     | 100                              |
| V        | Common Core : Core VII – Solid State and Material Science | ----                                       | 100                              |
|          | Core VIII – Digital Electronics                           | Core VII - Digital Electronics             | 20                               |
|          | Core IX – Computational Physics                           | Core VI - Programming in C++               | 30                               |
|          | Core Integral I – Renewable Energy Sources                | Core Elective I – Renewable Energy Sources | 12                               |
|          | Self Study: BioPhysics                                    | Self Study: BioPhysics                     | 10                               |
| VI       | Core X – Modern Physics                                   | Core IX – Modern Physics                   | 10                               |
|          | Core XI – Nuclear and Particle Physics                    | Core X – Nuclear and Particle Physics      | 56                               |
|          | Core XII – Opto Electronics and                           | Core Elective II - Opto Electronic         | 35                               |

|  |   |                                      |     |
|--|---|--------------------------------------|-----|
|  | Fibre Optic Communication                                   | and Fibre Optic Communication        |     |
|  | Core Integral II – Advanced Physics                         | Core Elective III – Advanced Physics | 20  |
|  | Core Integral III – Microprocessor 8086 and Microcontroller | ---                                  | 100 |

➤ **PG:**

| Semester | Course Name                              | Percentage of Revision |
|----------|--|------------------------|
| I        | Classical mechanics                      | 20                     |
|          | Mathematical Physics I                   | 10                     |
|          | Electronics and Experimental Methods     | 10                     |
|          | Crystal Growth and Thin Films            | 10                     |
| II       | Nanoscience and Technology               | 10                     |
|          | Mathematical Physics II                  | 30                     |
|          | Electromagnetic Theory                   | 10                     |
|          | Microprocessor and Microcontroller       | 30                     |
|          | Field Work                               | 100                    |
| III      | Quantum Mechanics I                      | 30                     |
|          | Atomic and Molecular Spectroscopy        | 10                     |
|          | Thermodynamics and Statistical mechanics | 5                      |
|          | Research Methodology                     | 100                    |
| IV       | Quantum Mechanics II                     | 30                     |
|          | Condensed Matter Physics                 | 30                     |
|          | Nuclear and Particle Physics             | 15                     |
|          | Field work/elective/study tour           | 100                    |

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The Board placed the following **suggestions**:

**UG:**

- The UG Physics syllabus was adequate and of standard. It has been prepared sincerely.
- The relevant books for study and reference is specified and chosen.
- The inclusion of common core under school system was found to be novel.

**PG:**

- The PG Physics curriculum is adequate.
- The course outcome must be specific to the level of PG curriculum.
- The inclusion of field work in the curriculum was observed to be a novel attempt.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Dr. Jessie Fernando.

| NAME OF THE MEMBERS   | SIGNATURE                      |
|---|--------------------------------|
| Dr.S.Euchrista Immaculate Sylvia,<br>Chair Person,<br>Head & Associate Professor<br>St.Mary's College (Autonomous),<br>Thoothukudi. | S. Euchrista Immaculate Sylvia |
| Dr.M.Nagarajan,<br>Associate Professor,<br>VOC College,<br>Thoothukudi.   | M. Nagarajan                   |
| Dr. A. Effie Cordelia,<br>Associate Professor,<br>Sarah Tucker College (Autonomous),<br>Tirunelveli - 7                             | A. Effie Cordelia              |
| Dr. Ada Vinolin,<br>Associate Professor,<br>Madurai Kamaraj University College,<br>Alagarkoil Road,<br>Madurai - 2.                 | Ada Vinolin                    |
| Mrs.N.Amsupooranam,<br>Senior Sub Divisional Engineer,<br>BSNL,<br>Tirunelveli.   | N. Amsupooranam                |
| Dr.A.S.J. Lucia Rose,<br>Associate Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.                                    | A. S. J. Lucia Rose            |
| Dr.Jessie Fernando,<br>Associate Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.                                      | Jessie Fernando                |
| Ms. A. Lucas Rexceline,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.                                  | A. Lucas Rexceline             |
| Mrs.M.Sheeba,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.  | M. Sheeba                      |
| Mrs.S.Irudaya Sahaya Lancy,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.                              | S. Irudaya Sahaya Lancy        |

|   |                           |
|---|---------------------------|
| Mrs. M.Jeyalakshmi,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.    | <i>M. Jeyalakshmi</i>     |
| Mrs. R.N. Subha,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.       | <i>R.N. Subha</i>         |
| Mrs.P.Padmavathi,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.      | <i>P. Padmavathi</i>      |
| Mrs. Y. Sasikala,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.      | <i>Y. Sasikala</i>        |
| Mrs. P. Dhanalakshmi,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.  | <i>Dhanalakshmi P.</i>    |
| Mrs.A.Nirmala Shirley,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi. | <i>A. Nirmala Shirley</i> |
| Mrs.L.Smila,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.           | <i>L. Smila</i>           |
| Ms.C. Konsha (Student representative – UG)  | <i>C. Konsha.</i>         |
| Ms. A. Reshmina Tony (Student representative – PG)  | <i>A. Reshmina Tony</i>   |



## **MINUTES OF THE BOARD OF STUDIES MEETING**

### **Department of Computer Science**

The Board of Studies Meeting of the Department of Computer Science was conducted on 16.02.2019 at 10.30 a.m. in the department of Computer Science.

#### **No. of Members Present**

External Members : 4

Internal Members : 10

The Chairperson Mrs.S.Gnanathangam welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

**1. Mr. A. Charles**

Associate Prof.in Computer Science

St.Joseph's college

Trichy-2

Phone No :944349405

**2. Mr . Beno Roland,**

Project Manager,

SATHYA Technology(I) Pvt.Ltd.

Palayamkottai.

Phone No. : 8220014985

#### **Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

.

#### **Agenda Item No.1**

II & III U.G. Syllabi

#### **Agenda Item No.2**

I & II P.G. Syllabi

#### **Agenda Item No.3**

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

#### **Agenda Item No.4**

Mandatory MOOC course for P.G. (one paper every year)

#### **Agenda Item No.5**

Certificate Course & Career Oriented Course.

#### **Recommendations**

Agenda Item No.1

##### **Semester III:**

- Skill based core-Microprocessors paper may include with practical component
- Instead of theory importance may be given to practical if structure permits(3+1)
- Non Major Elective fourth unit may be changed.

##### **Semester IV:**

- HTML lab-Renamed as web designing lab.
- Web designing Lab to include practical with DHTML, XML and Scripting exercises
- Non Major Elective (NME) syllabus may be revised.

##### **Semester V:**

- Operating System Unit V Linux theory on history and design philosophy may be dropped
- Linux Os practical commands file oriented, process oriented and shell programming may be included.

#### **Semester VI:**

- Mobile computing paper name to be changed as Android Programming.
- Text book may be changed with Android studio..

#### Agenda Item No.2

##### **Semester II**

- Data Mining course can be renamed as Data Mining and R Programming.
- Data Mining can have the first three units as they are. Unit IV must be replaced with Introduction to R programming. Unit V must be replaced with Applications of R programming.

##### **Books**

- Recently updated versions of books might be given for reference for all courses

#### **Resolution**

It was resolved that....

- HTML lab is replaced with Web Designing Lab in the fourth semester of the UG program

It was observed that 20 percentage of revision has been made for both UG and PG syllabi.

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The Board placed the following suggestions:

- Three CIAs may be conducted for 30 marks for a duration of 1 hour.
- One online course may be made mandatory for PG program.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Ms. J. Anila Maily.

**% Revision of syllabai**  
**Department of Computer Science**  
**2019 – 2020**

| Semester |   | Subject Code | Title Of The Paper                  | % of Revision | Average |
|----------|---|--------------|-------------------------------------|---------------|---------|
| Sem III  | Core III  | 18UCSC31     | JAVA Programming                    | 10            | 36%     |
|          | Core IV   | 18UCSC32     | Computer Architecture               | 10            |         |
|          | Core Practical III  | 18UCSCR3     | JAVA Programming Lab                | 25            |         |
|          | Allied III  | 18UCSA31     | Data Structures                     | Nil           |         |
|          | Allied Practical III                                      | 18UCSAR3     | Data Structures Lab                 | 20            |         |
|          | Skill Based Core(SBC)                                     | 18UCSS31     | Microprocessors                     | 20            |         |
|          | NME   | 18UCSN31     | Introduction to Computers           | 20            |         |
|          | Self Study Course/ On-line Course / Internship (Optional) | 18UCSSS1     | Web Designing with HTML             | 10            |         |
| Sem IV   | Core V  | 18UCSC41     | Python Programming                  | 100           |         |
|          | Core VI   | 18UCSC42     | RDBMS                               | 80            |         |
|          | Core Practical IV   | 18UCSCR4     | Python Programming Lab              | 100           |         |
|          | Allied IV   | 18UCSA41     | Resource Management Techniques      | 10            |         |
|          | Allied Practical IV                                       | 18UCSAR4     | Web designing Lab                   | 100           |         |
|          | Skill Based Core  | 18UCSS41     | Web Technology                      | 100           |         |
|          | NME   | 18UCSN41     | Introduction to Internet            | 10            |         |
|          | Self Study /On-line Course /Internship (Optional)         | 18UCSSS2     | Mathematical Reasoning              | 100           |         |
| Sem V    | Common core   | 18UCCC51     | Computer Oriented Numerical Methods | 100           |         |
|          | Core VII  | 18UCSC51     | Operating Systems                   | Nil           |         |
|          | Core VIII   | 18UCSC52     | Programming with PHP and MySQL      | Nil           |         |
|          | Core integral I   | 18UCSI51     | Data Mining                         | Nil           |         |
|          | Core Practical V  | 18UCSCR5     | PHP & MySQL Lab                     | 20            |         |
|          | Self study/ on-line course (compulsory)                   | 18UCSSS3     | ASP.NET                             | 20            |         |
| Sem VI   | Core IX   | 18UCSC61     | Android Programming                 | 20            |         |
|          | Core X  | 18UCSC62     | Software Engineering                | 30            |         |
|          | Core XI   | 18UCSC63     | Computer Networks                   | 20            |         |
|          | Core Integral II  | 18UCSI61     | Cloud Computing                     | 40            |         |
|          | Core practical VI   | 18UCSCR6     | Android Programming Lab             | Nil           |         |

**PG Computer Science**  
**Percentage of Revision-Semester I and II**

| Subject Code | Title of the Paper                            | % of Revision | Average |
|--------------|---|---------------|---------|
| 19PCSC11     | Design and analysis of algorithms             | Nil           | 67%     |
| 19PCSC12     | J2EE  | 100           |         |
| 19PCSC13     | Mathematical Foundations for computer science | 20            |         |
| 19PCSC14     | Advanced computer architecture                | Nil           |         |
| 19PCSC15     | Neural Networks                               | 100           |         |
| 19PCSCR1     | J2EE Lab                                      | 100           |         |
| 19PCSCR2     | Design and analysis of algorithm lab          | Nil           |         |
| 19PCSC21     | DDBMS   | 100           |         |
| 19PCSC22     | .Net framework                                | 100           |         |
| 19PCSC23     | Data Mining & R Programming                   | 20            |         |
| 19PCCC21     | Digital Image Processing                      | 100           |         |
| 19PCSC24     | Advanced Computer Networks                    | 100           |         |
| 19PCSCR3     | Data Mining Lab (R Lab)                       | 100           |         |



**University Nominee**

**Dr. V. Subha**

Assistant Professor

Department of Computer Science & Engineering

Manonmaniam Sundarnar University

Tirunelveli - 627012.

Mob.No. 9486480605

email.id : [subha\\_velappan@yahoo.co.in](mailto:subha_velappan@yahoo.co.in)

*[Signature]*  
16/2/19

**Subject Experts:**

**Dr. S. Sethuramalingam**

Associate Professor & Head

Department of Computer Science

Aditanar college of Arts and science

Virapandiapatnam

Tiruchendur-628216

Phone No.: 9488069407

*[Signature]*

**Dr. Mrs. P. Velymani,**

Assistant Professor of Computer Science

M.D.T Hindu college,

Tirunelveli-627010

Phone No:9489127283

*[Signature]*  
16/2/19

**Alumnae**

**Mrs. A. Dhana Praveena**

Asst.Professor in Dept of Comp.science

St.Xaviers College,Palayamkottai.

Phone No. : 9791833368

*[Signature]*  
16/2/19

**Internal members**

**Ms. S. Gnanathangam,**

Associate Professor and Head,

Department of Computer Science,

St. Mary's College(Autonomous),

Thoothukudi - 1.

*[Signature]*  
16/2/19

**Ms. J. Anila Maily,**

Associate Professor,

Department of Computer Science,

St. Mary's College(Autonomous),

Thoothukudi - 1.

*[Signature]*

**Ms. M. Jothimani,**

Associate Professor,

Department of Computer Science,

St. Mary's College(Autonomous),

Thoothukudi - 1.

*[Signature]*

**Ms. S. Andrews Felicita,**

Assistant Professor,

Department of Computer Science,

St. Mary's College(Autonomous),

Thoothukudi - 1.

*[Signature]*  
16/02/19

**Sr. A. Sahaya Mercy,**

Assistant Professor,

Department of Computer Science,

St. Mary's College(Autonomous),

Thoothukudi - 1.

*[Signature]*  
16/02/19

**Ms. F. Ludyma Fernando,**  
Assistant Professor,  
Department of Computer Science(SSC),  
St. Mary's College(Autonomous),  
Thoothukudi - 1.

*Ludyma Fernando* 7  
16/2/17

**Ms. S. Mary Selvi,**  
Assistant Professor,  
Department of Computer Science(SSC),  
St. Mary's College(Autonomous),  
Thoothukudi - 1.

*Mary Selvi*

**Ms. A. Rosal Marcina Fernando,**  
Assistant Professor,  
Department of Computer Science(SSC),  
St. Mary's College(Autonomous),  
Thoothukudi - 1.

*Rosal*

**Student Representative**

**Ms. P. SethuLakshmi**  
III. B.Sc. Computer Science,  
St. Mary's College(Autonomous),  
Thoothukudi.

*P. SethuLakshmi*

**Ms. K. Shynikayathri,**  
II.M.Sc. Computer Science,  
St. Mary's College(Autonomous),  
Thoothukudi.

*K. Shynikayathri*

# MINUTES OF THE BOARD OF STUDIES MEETING

## Department of Chemistry

The Board of Studies Meeting of the Department of Chemistry was conducted on 16<sup>th</sup> February 2019 at 10.30 a.m in the department of Chemistry

### No. of Members Present

External Members : 6

Internal Members : 12

| S.No | Name   | Designation         | Contact Address  | Signature                               |
|------|--|---------------------|--|---|
| 1.   | Dr.K.Swarnalatha<br>University Nominee       | Associate Professor | Department of Chemistry,<br>Manonmaniam<br>Sundaranar University,<br>Tirunelveli - 627012    | <i>Dr. K. Swarnalatha</i><br>16/02/2019 |
| 2.   | Dr. S. Joseph Selvaraj<br>Subject Expert     | Associate Professor | Department of Chemistry,<br>St. Joseph's College<br>(Autonomous),<br>Tiruchirapalli- 620002. | <i>S. Joseph Selvaraj</i>               |
| 3.   | Dr. R. Murugesan Subject<br>Expert           | Associate Professor | Department of Chemistry,<br>TDMNS College,<br>Kallikulam, Tirunelveli<br>district - 627 113. | <i>R. Murugesan</i>                     |
| 4.   | Dr. J. Sidharthan<br>Subject Expert          | Associate Professor | Department of Chemistry,<br>V.O.C College<br>Thoothukudi - 8                                 | <i>J. Sidharthan</i>                    |
| 5.   | Dr. Mrs. J. Rajula<br>Jasmine Usha<br>Alumna | Associate Professor | Department of Chemistry,<br>Sarah Tucker College<br>(Autonomous),<br>Tirunelveli -627007     | <i>J. Rajula Jasmine Usha</i>           |
| 6.   | Mr.D.Kishore Industrial<br>Expert            | Assistant Manager   | Urea Production<br>SPIC Thoothukudi  | <i>D. Kishore</i>                       |

### Faculty Members

*J. Martin Rathi*

Dr.Mrs.J.Martin Rathi(HOD)

*S. Linda Fernando*

Dr.Mrs.T.Linda Fernando

*S. Rani Jeyamary*

Mrs.S.Rani Jeyamary

*I.A. Sophia*

Dr.Mrs.Irudaya Antonat Sophia

*A. Lakshmi*

Dr. A.Lakshmi

*B. Divya*

Mrs.B.Divya

*A. Parveen Sulthana*

Dr.Mrs.A.Parveen Sulthana

*G. Amala Jothi Grace*

Dr. G.Amala Jothi Grace

*J. Antony Rajam*

Dr. Mrs.J.Antony Rajam

*C. Zozimus Divya Lobo*

Dr.Mrs.C.Zozimus Divya Lobo

*D. Carolin Jeniba Rachel*

Ms. D. Carolin Jeniba Rachel

*K. Saravana Devi*

Mrs. K.Saravana Devi

*N. Karthika*

N.Karthika

*J.C. Nancy Sylvia*

J.C.Nancy Sylvia

III B.Sc.Chemistry

II M.Sc.Chemistry



The Chairperson Dr.J.Martin Rathi welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

I. Dr. M. George Johnson (Subject Expert), Associate Professor & Head, Department of Chemistry, Loyola College (Autonomous), Nungambakkam, Chennai -600034.

### **Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

#### **Agenda Item No.1**

II & III U.G. Syllabi

#### **Semester III**

##### **Skill based Elective I: Agricultural Chemistry and Water Management**

- In Unit I- Soil reclamation can be included
- In Unit II- Mention one general classification for pesticides and include the environmental hazards, control measures and specified dosage.

#### **Semester IV**

##### **Skill based Elective II: Pharmaceutical Chemistry**

- In Unit-II- Importance of Indian medicinal plants should only be knowledge based and should not be taken as prescription

#### **NME-II**

- In Unit-V – The articles of day today life can be demonstrated in the class

#### **Semester V**

##### **Core VIII Organic Chemistry-V**

- In Unit-IV- Knoevenagel reaction, Aldol, Claisen, Perkin, Grignard, Mannich, Wittig, definition of blocking and activating groups, Robinson annulations sequence, Linear, Convergent scheme can be deleted.

##### **Core IX Physical Chemistry II**

- In Unit-III Matrix representation of symmetry operations can be deleted

#### **Core Integral**

Coordination and Bioinorganic Chemistry is renamed as Inorganic Chemistry and shifted to Semester VI

Core X Inorganic Chemistry II can be renamed as Essentials of Inorganic Chemistry and shifted to semester V as Core Integral I by making the following changes : Unit III and Unit IV - d- block elements I and II can be merged into one unit (Comparative study of V, Nb, Ta, extraction properties and uses of vanadium, Comparative study of Fe, Co, Ni.(similarities and dissimilarities) Preparation and uses of Ferric chloride, Potassium

ferro and ferricyanides - Extraction, properties and uses of Cobalt, Preparation and uses of sodium cobaltinitrite Comparative study of Zn, Cd, Hg. (similarities and dissimilarities) can be deleted

- Unit-V Inorganic materials can be included

### **In III year practicals**

- Physical Chemistry Experiments in Semester VI can be shifted to Semester V and gravimetry and inorganic preparations to Semester VI
- Determination of physical constants (melting point/boiling point) as course work in gravimetry and inorganic preparations can be included as regular practicals in organic analysis and organic preparations in Semester VI
- In Course work along with estimation of iron by spectrophotometer two more metals can be included

## **Semester VI**

### **Core XI Organic Chemistry IV**

- In Unit II Michael reaction and Haloform reaction can be deleted

### **Core Integral II Spectroscopy**

- In Unit -III Application of IR in coordination compounds can be deleted
- Problems can be specified in individual units and not structural elucidation comprising all spectroscopic techniques
- Unit-IV spin moment can be included
- Principle of  $^{31}\text{P}$ ,  $^{19}\text{F}$ ,  $^{15}\text{N}$  can be deleted
- Organic Spectroscopy by P.S.Kalsi and Essentials of Physical Chemistry by Puri & Sharma can be included as Reference Books

### **Core XII Physical Chemistry III**

Unit V- Chemical equilibrium can be retained

**Industrial visit can be incorporated in the curriculum**

### **Agenda Item No.2**

I & II P.G. Syllabi

## **Semester I**

### **Core I Inorganic Chemistry I**

- Unit I should be changed with chemical bondings and redox potentials & their applications
- Unit -V, Specify the coordination compounds for applications.



### **Core II Organic Chemistry I**

- In Unit IV free radical reactions should be included.
- In Unit V mechanisms of racemization through carbanion must be removed.

### **Core III Physical Chemistry I**

- In Unit I Planck's quantum theory, Compton Effect, photoelectric effect wave particle duality and uncertainty principle can be eliminated.
- Hydrogen atom must be included.
- Unit V title should be changed to rotational spectroscopy.

### **Elective – I De nova design in Chemistry**

- Unit V- Drugs for common diseases and Artificial sweetening agents added in drugs must be mentioned.

## **Semester - II**

### **Core V Inorganic Chemistry -II**

- Unit – I Eliminate Nephelauxetic effect and include Bjerrum method.
- Unit II' – Include spinels and inverse spinels and unusual oxidation states in consequences of crystal field splitting.

### **Core VI Organic Chemistry II**

- In Unit III, Replace cocaine with reserpine or lysergic acid.
- In Unit IV, Photochemical rearrangement should be removed.
- In Unit V, Include Scott rule and Specify the applications of IR spectroscopy.

### **Core practical II Organic Chemistry Practicals I**

- Mention the preparations as single stage.

### **Core practical III Physical Chemistry Practicals I**

- Remove benzene in distribution experiment

## **Semester – III**

### **Core VII Inorganic Chemistry – III**

- In Unit V, Include Zintl ions.

### **Core VIII Organic Chemistry III**

- In Unit III, C-C should be changed into C=C and Aldol condensation is replaced with Reformatsky reaction.
- In Unit V, Remove Magnetic Resonance Imaging (MRI)

### **Core X Research Methodology**

- In Unit II, Potentiometry should be shifted to Physical Chemistry II in Semester III.
- In Unit IV, HPLC-MS and Capillary electrophoresis should be removed.

## Semester – IV

### Core XI Inorganic Chemistry – IV

- In Unit V, NQR may be removed.

### Core XII Organic Chemistry IV

- In Unit III, Con and disrotatory and [1,j] shift of C-H and C-C bonds should be removed.
- In Unit IV, Pyridine and Ureids should be removed.

### Core XIII Physical Chemistry III

- Units II and III should be interchanged.
- In Unit IV, from  $C^{13}$  to .....MRI may be deleted.

### Core practical V      Organic Chemistry Practicals II

- Estimation of Phenol and Aniline in Course work may be included in the regular Quantitative analysis.

➤ Industrial visit and Internship programme may be mentioned in the syllabus.

### Agenda Item No.3

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

**Approved by the board**

### Agenda Item No.4

Mandatory MOOC course for P.G. (one paper every year)

### Suggestions

- One MOOC course is mandatory for PG students during the course.

### Agenda Item No.5

Certificate Course & Career Oriented Course

**Approved by the board members**

### Recommendations

Agenda Item No.1, 2, 5 (state recommendations briefly- Give Annexure –I (for detail))  
Given above

Suggestions by III B.Sc. Chemistry Student

1. In II year one more core can be included
2. Forensic science can be included as a unit in any one the course
3. Self study can be made compulsory in II year

**2018-2021 percentage of revision II and III year**

| <b>S.No</b>                           | <b>Course Code</b> | <b>Course name</b>                          | <b>% revision</b> |
|---------------------------------------|--------------------|---|-------------------|
| <b>Semester III</b>                   |                    |   |                   |
| 1                                     | 18UCHC31           | Physical Chemistry –I                       | 68                |
| 2                                     | 18UCHA31           | Chemistry for Biological Sciences - I       | 100               |
| 3                                     | 18UCHS31           | Agricultural Chemistry and Water Management | New course        |
| <b>Semester IV</b>                    |                    |   |                   |
| 4                                     | 18UCHC41           | Organic Chemistry-II                        | 54                |
| 5                                     | 18UCHA32           | Chemistry for Biological Sciences - II      | 80                |
| 6                                     | 18UCHS41           | Pharmaceutical Chemistry                    | 26                |
| <b>Semester V</b>                     |                    |   |                   |
| 7                                     | 18UPCC51           | Solid State and Material science            | New course        |
| 8                                     | 18UCHC52           | Organic Chemistry III                       | 70                |
| 9                                     | 18UCHC53           | Physical Chemistry II                       | 80                |
| 10                                    | 18UCHI51           | Essentials of Inorganic Chemistry           | 50                |
| <b>Semester VI</b>                    |                    |   |                   |
| 11                                    | 18UCHC61           | Inorganic Chemistry - II                    | 20                |
| 12                                    | 18UCHC62           | Organic Chemistry-IV                        | 44                |
| 13                                    | 18UCHC63           | Physical Chemistry III                      | 80                |
| 14                                    | 18UCHI61           | Spectroscopy                                | New course        |
| <b>Overall Percentage of revision</b> |                    |   | <b>69</b>         |

**PG Department of Chemistry (SSC)**

**Percentage of Revision in 2019-2021 Syllabus (I & II Semester)**

| <b>S. No.</b> | <b>Core /Elective/ others</b> | <b>Sub. Code</b> | <b>Subject Name</b>                   | <b>Percentage of Revision</b> |
|---------------|-------------------------------|------------------|---------------------------------------|-------------------------------|
| 1             | Core I                        | 19PCHC11         | Inorganic Chemistry - I               | 60                            |
| 2             | Core II                       | 19PCHC12         | Organic Chemistry - I                 | 25                            |
| 3             | Core III                      | 19PCHC13         | Physical Chemistry - I                | 60                            |
| 4             | Elective                      | 19PCHE11         | A. Denova Designs in Chemistry        | 100                           |
| 5             | Elective                      | 19PCHE11         | B. Chemical Instrumentation           | 100                           |
| 6             | Core IV                       | 19PCHC21         | Inorganic Chemistry - II              | 100                           |
| 7             | Core V                        | 19PCHC22         | Organic Chemistry – II                | 80                            |
| 8             | Core VI                       | 19PCHC23         | Physical Chemistry – II               | 100                           |
| 9             | Elective                      | 19PCHE21         | A. Energy and Environmental Chemistry | 100                           |
| 10            | Elective                      | 19PCHE21         | B. Industrial Chemistry               | 100                           |
| 11            | Core Practical I              | 19PCHCR1         | Inorganic Chemistry Practicals - I    | 10                            |
| 12            | Core Practical II             | 19PCHCR2         | Organic Chemistry Practicals – I      | 10                            |
| 13            | Core Practical III            | 19PCHCR3         | Physical Chemistry Practicals – I     | 10                            |
| 14            | MOOC                          | 19PCHM21         |                                       | 100                           |

**Overall Percentage of Revision = 68.2 %**

## Resolution

It was resolved that Spectroscopy, Informative Chemistry, Agricultural Chemistry and water Management in UG and *De nova* Deigns in Chemistry, Energy and Environmental Chemistry in PG are new courses imntroduced

It was resolved that Interchange of course - name of courses shifted is mentioned above

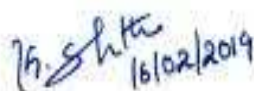
It was observed that 40% UG and 50% of revision has been made in PG

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

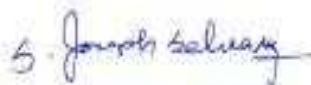
The Board placed the following suggestions: mentioned above.

The syllabus and course structure was acknowledged and approved by the Board.

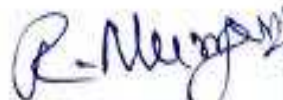
The meeting ended with the vote of thanks by Dr. J.Martin Rathi

  
16/02/2019

Dr.K.Swarnalatha  
University Nominee



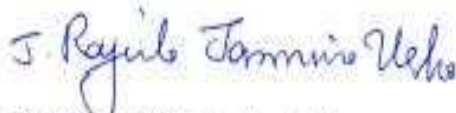
Dr. S. Joseph Selvaraj  
Subject Expert



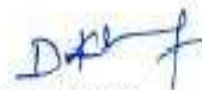
Dr. R. Murugesan  
Subject Expert



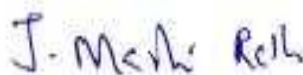
Dr. J. Sidharthan  
Subject Expert



Dr. Mrs. J. Rajula Jasmine Usha  
Alumna



Mr.D.Kishore  
Industrial Expert



Dr.Mrs.J.Martin Rathi



2018

## MINUTES OF THE BOARD OF STUDIES MEETING Department of Botany

The Board of Studies Meeting of the department of Botany was conducted on 16-02-2019 at 10.30 a.m. in the department of Botany

### No. of Members Present

#### External Experts

1. **Dr. Patrick Raja,**

Head of the Department of Botany,  
St. Xavier's College (Autonomous),  
Palayamkottai.

Mail Id: [patricraja60@gmail.com](mailto:patricraja60@gmail.com)

Mob. no. 9486680799

2. **Dr.T.Ramanathan,**

Assistant Professor (Senior Grade)  
Plant Biology & Biotechnology Lab  
CAS in Marine Biology, Annamalai University  
Parangipettai- 608 502  
Chithambaram.

Mail Id: [drtramanathan@mail.com](mailto:drtramanathan@mail.com), [drtrcasmb@gmail.com](mailto:drtrcasmb@gmail.com)

Mob. no. 9894175200

3. **Dr. Lohidas,**

Associate Professor,  
Department of Botany,  
Scott Christian College,  
Nagercoil.

Mail Id: [lohiscott@yahoo.co.in](mailto:lohiscott@yahoo.co.in)

Mob. no. 9443483496

4. **Dr. Saravana Ganthi**

Head,  
Department of Botany,  
Rani Anna Govt. Arts College for women,  
Abisekapatty,  
Tirunelveli.

Mail Id: [saran\\_gan@rediffmail.com](mailto:saran_gan@rediffmail.com)

Mob. no. 9442908041

#### Student nominee

I. A. Selvaananthi

II M.Sc. Botany

2. P. Libiga

III B.Sc. Botany

### **Industrialist**

**1. M. Gunasekaran,**  
Karthik Enterprises,  
9A/31, Arockiapura Shanmugapuram,  
Chottaian Thoppu,  
Thoothukudi.  
Mail Id: [migunasekaran@gmail.com](mailto:migunasekaran@gmail.com)  
Mob. No.: 9842132700, 9244434530

### **Internal Members**

1. Dr. M. Glory
2. Dr. Mary Josephine
3. Dr. Sr. Arockia Jenecius Alphonse
4. Dr. A. Jacintha Tamil Malar
5. Dr. G. Flora
6. Dr. S. Beulah Jerlin
7. Dr. E. Daffodil D Almeida
8. Dr. F. Dayana Lobo
9. Dr. B. Maria Sumathi
10. Ms. S. Pauline Jenifer
11. Ms. G. Anusiya

The Chairperson Dr. M. Glory welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

### **Alumna**

**Dr. V. Sornalakshmi,**  
Assistant Professor of Botany,  
V.O.Chidambaram College,  
Thoothukudi-6280008.  
Mail Id: [sorna.bot@voccollege.ac.in](mailto:sorna.bot@voccollege.ac.in)  
Mob. No.: 9843331957

### **Agenda Discussion**

### **Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

**Agenda Item No.1 (state briefly the discussion)**

II & III U.G. Syllabi

**Agenda Item No.2**

I & II P.G. Syllabi

### Agenda Item No.3

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

### Agenda Item No.4

Mandatory MOOC course for P.G. (one paper every year)

### Agenda Item No.5

Certificate Course & Career Oriented Course.

### Recommendations

Agenda Item No.1 (state recommendations briefly- Give Annexure –I (for detail))

- Core V Pteridophytes, Gymnosperms and Paleobotany in unit III types of gametophytes has to be removed and unit V fossilization process and different types of fossils to be included
- Allied I instead of Angiosperm taxonomy and medicinal botany, Plant Diversity I (Algae to Gymnosperm)
- Allied II Anatomy and embryology should be replaced with Plant Taxonomy and Physiology
- Semester wise Allied practical is recommended
- SBE Horticulture and Plant breeding Objectives Scope and different discipline of Horticulture should be included in Unit I. In Unit II plant propagules types has to be introduced and in Unit IV the method of breedings is replaced with Pedigree method
- NME Plant Resource Utilization in Unit I introduction of bioresources, classification of resources and definition of plant resources has to be introduced.
- Self study (optional) Organic farming preparation of Panchakavya should be included in Unit IV
- Core VI Taxonomy of Angiosperms classification APG IV has to be introduced.
- Core Skill Based Herbal Health Care Products, Unit I constitute the general aspects of the course
- NME Food Technology, Unit I constitute the general aspects of the course
- Self Study course Botany for competitive examination has to transferred to Semester V as compulsory paper and Economic botany from Semester V is shifted to Semester III as optional paper. Check the syllabus of Economic botany and Plant Resource management.
- Core VII Biotechnology (Common Core) Unit I should include History. Recommended to introduce Pesticide analysis. Reference book Cell and tissue by Razdan is suggested.
- Core VIII Microbiology In Unit II Saffadax medium for fungal growth should be introduced. Remove Animal disease from Unit IV and replace with Human disease



also remove ethanol production. Include SCP from Algae, Fungi and bacteria has to be introduced.

- Core IX Biochemistry Bioenergetics has to change into Biochemistry. Unit I should include general aspects of biochemistry and other 4 units should include description of biomolecules and Bioenergetics.
- Core Integral I Biostatistics and Biological Techniques. Unit I should include general introduction of Biostatistics and Biological Techniques. Unit 2 and Unit 3 should be interchanged. Unit 5 should be arranged in specific topics.
- Core Integral II Pharmacognosy Unit I should include Role of herbal medicine in Indian system of medicine. Unit 2 Should be elaborated with specific topics, Unit 3 should include morphology of useful part and Unit 5 should include extraction of crude drug through infiltration, soxlet, decoction method.
- Core X Plant physiology In Unit 2, transport components should include apoplast, symplast movement, facilitated diffusion. In practicals, Stomatal index, seed germination percentage by using hormones should be included.
- Core XI Marine Botany entire syllabus has to be restructured
- Core XII Ecology and Phytogeography Unit I should include general aspect of Ecology, positive and negative interaction with specific heading. Unit III should include climatic climax complex. Unit 5 should have introduction, principle and types of distribution. Practical should be reconsidered.
- Core Integral III Molecular Biology and Bioinformatics Slight modification is needed in Unit 3.

#### Agenda Item No.2

- Core I Plant Diversity I syllabus is not upto PG level, depth needed. Unit I should contain pigmentation in Algae, economic importance and culture of algae. In Fungi, Economic importance and spore dispersal mechanism should be included. The contribution of Indian Phycologists has to be introduced.
- Core II Plant diversity II Economic importance of Pteridophytes has to be introduced.
- Core III Microbiology and Plant Pathology. Unit IV should include host parasite interaction and toxins types. Different plant diseases, how does microbial interaction differ from plant metabolism have to be introduced. Practical should include one fungal and one bacterial disease.
- Core IV Histology, Embryology and Morphogenesis In Unit I, Ontogeny of trichome, development of floral axis should be included. In Unit II, Wood seasoning, TLS and RLS of different woods and wood identification should be included. Unit IV should include Pollen-Pistil interaction, sexual incompatibility, male sterility and tapetum types, pollen sac. Include history, definition, differentiation in morphogenesis part. Practical should include Testing of pollen fertility and sterility using acetocarmine. Reference books should be included with Johri and Shivana.
- Core VII Biochemistry and Biophysics. Include Commercial polypeptides.
- Core VIII Taxonomy of Angiosperms. Include digital herbarium in practicals.
- Core IX Biostatistics and Bioinformatics. Remove probability.

- Core XIV Plant Physiology. In Unit II, include Glyoxalate cycle has to be introduced.
- Core XV Ecology Unit III should be included with pollution and climatic change.
- Core XVI Molecular biology and rDNA technology, Practical on Restriction band has to be introduced.
- Core XXI Plant Biotechnology. Expected to retain old syllabus.
- Core XXII Biodiversity and Conservation. In Unit IV, along with sacred grooves, star plant system has to be included. Practicals should be included with light/dark method of productivity test, Raunkiaer's methods of vegetational studies.

#### Agenda Item No.5

Requested to refer university list. Also recommended with Herbal health care products, Seed quarantine and certification and microphotography.

#### Resolution

It was resolved that In UG Biochemistry and Bioenergetics is renamed as Biochemistry, Allied I and II papers have be changed with Plant diversity I and Taxonomy and Plant physiology. In PG, Elective Pharmacognosy is recommended to replace with tissue culture.

It was resolved that Botany for competitive examination of Self study optional is replaced with compulsory self study paper.

It was observed that more than 10% percentage of revision has been made

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The Board placed the following suggestions:

- UG syllabus is comparatively tough than PG syllabus.
- Satisfied with the curriculum structure.
- Industrialist Mr. M. Gunasekaran, Karthik Enterprises came forward to provide opportunity for the internship of the students and to depute resource persons for effective conduction of certificate course.

The syllabus and course structure was acknowledged and approved by the Board.



## II and III UG

### Semester III & IV

| S. No | Name of the Course                         | Course Code | Content with direct bearing on Employability/ Entrepreneurship/ Skill development | Percentage Revision |
|-------|--|-------------|---|---------------------|
| 1     | Pteridophytes, Gymnosperms and Paleobotany | 18UBOC31    | Employability   | No Change           |
| 2     | Horticulture and Plant Breeding            | 18UBOS31    | Skill Development, Entrepreneurship, Employability                                | 100                 |
| 3     | Plant Resource utilization                 | 18UBON31    | Entrepreneurship, Employability   | 100                 |
| 4     | Plant Diversity                            | 18UBOA31    | Employability   | 100                 |
| 5     | Taxonomy of Angiosperms                    | 18UBOC41    | Employability   | 20                  |
| 6     | Angiosperm Taxonomy and Plant Physiology   | 18UBOA41    | Employability   | 100                 |
| 7     | Food Technology                            | 18UBON41    | Entrepreneurship, Employability   | 100                 |

### Semester V & VI

| S. No | Name of the Course                      | Course Code | Content with direct bearing on Employability/ Entrepreneurship/ Skill development | Percentage Revision |
|-------|---|-------------|---|---------------------|
| 1     | Biotechnology                           | 18UBCC51    | Skill Development, Employability  | 100                 |
| 2     | Microbiology                            | 18UBOC52    | Employability   | 20                  |
| 3     | Biochemistry                            | 18UBOC53    | Employability   | 50                  |
| 4     | Biostatistics and Biological Techniques | 18UBOI51    | Employability, Entrepreneurship   | 10                  |

|    |   |          |  |           |
|----|---|----------|--|-----------|
| 5  | Pharmacognosy                               | 18UBOI51 | Employability,<br>Enterpreunership                       | No Change |
| 6  | Computer for Digital<br>Era and Soft skills | 18UCSB51 | Skill Development.<br>Employability,<br>Enterpreunership | 100       |
| 7  | Plant Physiology                            | 18UBOC61 | Employability  | 10        |
| 8  | Marine Botany                               | 18UBOC62 | Employability,<br>Enterpreunership                       | 25        |
| 9  | Ecology and<br>Phytogeography               | 18UBOC63 | Employability  | 100       |
| 10 | Molecular Biology<br>and Bioinformatics     | 18UBOI61 | Skill Development<br>Employability                       | 100       |

### I PG

#### Semester I

| S. No. | Title of the Paper   | Subject Code | Content with direct bearing on Employability/<br>Entrepreneurship/ Skill development | Percentage Revision |
|--------|--|--------------|--|---------------------|
| 1      | Plant Diversity I<br>(Phycology, Mycology, Lichenology and Bryology) | 19PBOC11     | Employability  | 50                  |
| 2      | Plant Diversity II<br>(Pteridophytes, Gymnosperms and Paleobotany)   | 19PBOC12     | Employability  | 100                 |
| 3      | Microbiology and Plant pathology                                     | 19PBOC13     | Skill Development.<br>Employability  | 10                  |
| 4      | Histology, Embryology and Morphogenesis                              | 19PBOC14     | Skill Development,<br>Entrepreneurship   | 100                 |

**Semester II**

| <b>S. No.</b> | <b>Title of the Paper</b>                   | <b>Subject Code</b> | <b>Content with direct bearing on Employability/ Entrepreneurship/ Skill development</b> | <b>Percentage Revision</b> |
|---------------|---|---------------------|--|----------------------------|
| 1             | Horticulture , Plant breeding and Evolution | 19PBCC21            | Skill Development.<br>Employability, Enterpreunership                                    | 50                         |
| 2             | Biochemistry and Biophysics                 | 19PBOC21            | Employability  | 20                         |
| 3             | Taxonomy of Angiosperms                     | 19PBOC22            | Employability  | 20                         |
| 4             | Biostatistics and Bioinformatics            | 19PBOC23            | Skill Development,<br>Employability, Enterpreunership                                    | 30                         |

The meeting ended with the vote of thanks by Dr. M. Glory  
The following members were present

#### External Experts

1. Dr. Patrick Raja,

Head of the Department of Botany,  
St. Xavier's College (Autonomous),  
Palayamkottai.

Mail Id: [patriciraja60@gmail.com](mailto:patriciraja60@gmail.com)

Mob. no. 9486680799

*D. Patrick Raja*  
16/2/19

2. Dr. T. Ramanathan,

Assistant Professor (Senior Grade)  
Plant Biology & Biotechnology Lab  
CAS in Marine Biology, Annamalai University  
Parangipettai- 608 502  
Chithambaram.

Mail Id: [drtramanathan@mail.com](mailto:drtramanathan@mail.com), [drtrcasmb@gmail.com](mailto:drtrcasmb@gmail.com)

Mob. no. 9894175200

*T. Ramanathan*  
16/2/19

3. Dr. Lohidas,

Associate Professor,  
Department of Botany,  
Scott Christian College,  
Nagercoil.

Mail Id: [lohiscott@yahoo.co.in](mailto:lohiscott@yahoo.co.in)

Mob. no. 9443483496

*Lohidas*  
16/2/19

4. Dr. Saravana Ganthi

Head,  
Department of Botany,  
Rani Anna Govt. Arts College for women,  
Abisekapatty,  
Tirunelveli.

Mail Id: [saran\\_gan@rediffmail.com](mailto:saran_gan@rediffmail.com)

Mob. no. 9442908041

*Saravana Ganthi*  
16/2/19

#### Student nominee

1. A. Selvaananthi

II M.Sc. Botany

2. P. Libiga

III B.Sc. Botany

#### Industrialist

1. M. Gunasekaran,

Karthik Enterprises,  
9A/31, Arockiapura Shanmugapuram,  
Chottaian Thoppu,  
Thoothukudi.

Mail Id: [migunasekaran@gmail.com](mailto:migunasekaran@gmail.com)

Mob. No.: 9842132700, 9244434530

*M. Gunasekaran*

## Internal Members

1. Dr. M. Glory
2. Dr. Mary Josephine
3. Dr. Sr. Arockia Jenecius Alphonse
4. Dr. A. Jacintha Tamil Malar
5. Dr. G. Flora
6. Dr. S. Beulah Jerlin
7. Dr. E. Daffodil D Almeida
8. Dr. F. Dayana Lobo
9. Dr. B. Maria Sumathi
10. Ms. S. Pauline Jenifer
11. Ms. G. Anusiya

M. Glory  
16/2/19

M. Mary Josephine  
16/2/19

Jenecius  
16/2/19

A. Jacintha Tamil Malar

G. Flora

S. Beulah Jerlin

E. Daffodil D Almeida

F. Dayana Lobo

S. Pauline Jenifer



# MINUTES OF THE BOARD OF STUDIES MEETING

## Department of Zoology

The Board of Studies Meeting of the Department of Zoology was conducted on 16.02.2019 at 10.30 am in the Department of Zoology.

### No. of Members Present

External Members : 4

#### 1. Dr.R.D.Thilaga - Chair Person

Head and Associate Professor

#### 2. Dr. RM. Murugappan

Head and Associate Professor

Department of Zoology & Microbiology

Thiagarajar College

Theppakulam

Madurai 625009

*Dr. Murugappan*  
16/2/19

#### 3. F.Brisca Renuga

Associate Professor

Department of Zoology

Holy Cross College

Nagercoil-4

*F. B. Renuga*  
16/2/19

#### 4. Dr .H. Abdul Jaffar Ali

Associate professor

Department of Biotechnology

Islamiah college [autonomous]

Vaniyambadi -635752

*H. Abdul Jaffar Ali*  
16/2/19

**5. Dr. T. Jeyalalitha**

Assistant Professor

Department of Zoology

Arulmigu Palaniandavar College of Arts & Culture

Palani 624601

*Dr. T. Jeyalalitha*  
*10/2/19*

Internal Members : 13

- |                                      |                       |
|--------------------------------------|-----------------------|
| 1. Dr. R.D. Thilaga (HOD) -          | Chair Person          |
| 2. Dr.A.Elezabeth Mary               | (Associate Professor) |
| 3. Mrs S. Jesily                     | (Associate Professor) |
| 4. Mrs N. Arokiya Mary               | (Associate Professor) |
| 5. Mrs. Hermin Pasanga               | (Associate Professor) |
| 6. Dr. Mrs. P.J.Joslin               | (Associate Professor) |
| 7. Mrs. S.Mary Baptista.Janet        | (Associate Professor) |
| 8. Sr.C. Shibana                     | (Assistant Professor) |
| 9. Dr. Mrs. Jemma Hermelin Jesy Diaz | (Assistant Professor) |
| 10. Mrs.S. Selvi                     | (Assistant Professor) |
| 11. Dr.S.R.T. Sherly Cross           | (Assistant Professor) |
| 12.Dr.P.Subavathy                    | (Assistant Professor) |
| 13. J.Esther Mereen                  | (Student)             |

*Dr. R.D. Thilaga*

The Chairperson Dr. R.D. Thilaga welcomed and introduced the Board of Studies Members.  
The following members expressed their inability to attend the meeting:

1. Dr. Antony Amala Jeyaseeli

Assistant Professor

Fatima College

Madurai

## Members of the Board of Studies

## Signature

1. Dr. R.M. Murugappan
2. F.Brisca Renuga
3. Dr .H. Abdul Jaffar Ali
4. Dr. T. Jeyalalitha
5. Dr. R.D. Thilaga
6. Dr.A.Elezabeth Mary
7. Mrs S. Jesily
8. Mrs N. Arokiya Mary
9. Mrs. Hermin Pasanga
10. Dr. Mrs. P.J.Joslin
11. Mrs. S.Mary Baptista.Janet
12. Sr.C. Shibana
13. Dr. Mrs. Jemma Hermelin Jesy Diaz
14. Mrs.S. Selvi
15. Dr.S.R.T. Sherly Cross
- 16.Dr.P.Subavathy
17. J.Esther Mereen (Student)

Dr. Murugappan 16/2/19  
F. Brisca Renuga 16/2/19  
Dr. H. Abdul Jaffar Ali  
Dr. T. Jeyalalitha 16/2/19  
Dr. R.D. Thilaga  
Dr. A. Elezabeth Mary 16/2/19  
Mrs S. Jesily  
Mrs N. Arokiya Mary  
Mrs. Hermin Pasanga  
P. J. Joslin  
Janet  
Shibana  
Jesly Diaz  
S. Selvi  
Sherly  
P. Subavathy  
J. Esther Mereen

## **Agenda for Discussion**

### **Agenda Item No.1**

II & III U.G. Syllabi

### **Agenda Item No.2**

I & II P.G. Syllabi

### **Agenda Item No.3**

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

### **Agenda Item No.4**

Mandatory MOOC course for P.G. (one paper every year)

### **Agenda Item No.5**

Certificate Course & Career Oriented Course.

## **Recommendations**

### **Agenda 1**

1. Minor corrections on references, uniform pattern to be followed.
2. Core Integral I and II on V semester can be shifted, one core Integral/Semester is recommended.
3. Vision and Mission for a programme is sufficient, not needed for each course.
4. Preamble for each course to be included in UG programme
5. Cognitive level- instead of 6 levels, 3 are sufficient.
6. Course outcomes for Practicals are also needed.
7. Include question pattern at the end of syllabus book.
8. Include Bloom taxonomy for each course/core/core integral.
9. For one theory hour one credit is recommended by UGC for UG courses.



## **Annexure - I**

### **UG**

**Biostatistics** – Chi – square test delete 'and' include ' – ' then goodness of fit

Unit – III – Student's t – test – significance of correlation coefficient using t – test

Unit – IV – Applications of bioinformatics in research

### **Semester – III – Developmental Biology and Evolution**

Unit – III – include causes of PCOD after infertility

### **Semester – IV**

NME - Applied Biotechnology

Unit – I – add wine and Beer

Unit – III – add use of immobilized microbes

Practicals - no. 3 Instead of Isolation of DNA from animal tissue add microbial production of wine

Text Book – should be replaced before the books for reference

NME – Basic Biotechnology – Unit – II Add enzymes – poly I, II, III, DNA ligase in genetic engineering and delete mode of action, nomenclature applications of type – II restriction enzymes

NME – Ornamental Fish Farming

Maintenance of aquarium should be kept as III unit and Fish feed as IV unit

Unit – V title should be Nano Biotechnology

Instead of synthesis biosynthesis of nano particle

Biochemistry – Practicals no. 6 – instead of ninhydrin method add iodine method

No. 8 add measurement of pH in different biological water samples

### **Semester - V**

Animal Physiology – delete - Cori cycle

### **Semester – VI**

Unit - III

Biostatistics – Chi – square test delete the term and include - then goodness of fit

Unit – IV – delete – Entrez -SRS

Unit – V - Data Bases – Nucleotide and protein – MSQ – BLAST and delete FASTA – NCBI and Gen Bank – both are same Protein sequence. Protein sequence Database – include PROFILE – Primary, tertiary.

Add books in Books for reference – Basics of Bioinformatics by Teresa K Attwood and Bioinformatics by Rastogi



Cell Biology – Practical no.4 instead of ultrascope add ultramicroscope

**Semester- V**

Marine Biology

Unit – V add drugs from the sea

**Agenda 2**

1. Foreign reference books should be included.
2. Recent edition of books should be included.
3. Credits and hours allotted for field work (II Semester) and Project (IV Semester) could be modified.
4. For Programme Outcome, pattern recommended by NAAC may be followed.

**Annexure –II**

**PG**

Instead of Field work Field project/ Internship is suggested.

In the course pattern Practical IV (Semester II) marks should be included.

Self study course – MOOC

**Semester I**

Biochemistry

Practical No.9- Delete ninhydrin method.

**Semester II**

Biotechnology

Practical No.3 delete; No.6 &7 add demo

Add Immobilization of enzymes by Sodium alginate method.

**Semester II**

Marine Biology

Practical No. 4 Determination of total hardness – change to TDS.

No.7 Delete.

**Semester II**

Immunology

Unit – I – delete – generation of diversity

Biotechnology –

Practicals - include agarose gel electrophoresis and enzyme immobilization

Biogas production and Mushroom culture - should be named as Demo

### **Semester III**

#### **Research Methodology**

Unit I – Delete types, preparation of index cards, laboratory safety, biosafety levels, biohazardous wastes. Add Plagiarism (URKUND).

Unit II – In electron microscope add SEM & TEM

Unit – III – add FT – IR in between spectrophotometer and spectrofluorometer

Practicals – no.1 add density gradient instead of centrifugation

After no.6 add Spotters -

Add collection and citation index & h – index in science/ Scopus/Googlescholar/ICI

### **Semester IV**

Microbiology – Unit – III Title Microbes – Structure and Multiplication - change in to Microbes – Structural Organization

Conservation Biology – Unit – IV – add – NBA

Practicals – add - Calculation BD indices - any two. Species richness.

### **Agenda 5**

1. Inclusion of Tally as a Certificate Course is appreciated.
2. References must be included in the certificate course syllabus also.

### **Resolution**

It was resolved that Marine Biology (Core Integral) V Semester and Ecology and Biodiversity (Core) VI Semester in UG.

It was resolved that Field Project – II Semester, MOOC Courses (One course in each year) in PG.

It was observed that percentage of revision has been made

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The Board placed the following suggestions: (state the general observation / appreciation made by the Board).

The teachers in the Department worked hard to bring out successful outcome based syllabi

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Mrs.S.Jesily

## **Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

### **Agenda Item No.1 (state briefly the discussion)**

II & III U.G. Syllabi

### **Agenda Item No.2**

I & II P.G. Syllabi

### **Agenda Item No.3**

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

### **Agenda Item No.4**

Mandatory MOOC course for P.G. (one paper every year)

### **Agenda Item No.5**

Certificate Course & Career Oriented Course.

## **Recommendations**

Agenda Item No.1 (state recommendations briefly- Give Annexure -I (for detail))

Agenda Item No.2

Agenda Item No.5

## Resolution

online courses / field project

It was resolved that.... (Name of the new course introduced in UG & PG) —

It was resolved that.... (Interchange of course - name of courses shifted if any for UG & PG) —

It was observed that.... percentage of revision has been made —

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The Board placed the following suggestions: ----- (state the general observation / appreciation made by the Board).

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by -----.

(List the Members of the Board of Studies and signature)

**Percentage of Revision in UG syllabus**

**2018-21**

| <b>Year of Revision</b> | <b>Program Title</b> | <b>Course Title /Code</b>  | <b>Percentage of Revision</b> | <b>Overall / of Revision</b> |
|-------------------------|----------------------|--|-------------------------------|------------------------------|
| <b>2019-2021</b>        | <b>B.Sc Zoology</b>  | Developmental Biology and Evolution<br>18UZOC31                                  | 15                            | <b>64.8%</b>                 |
|                         | <b>Semester III</b>  | Fishery Products<br>18UZOS31   | 100                           |                              |
|                         |                      | Basic Biotechnology (NME)<br>18UZON31  | 100                           |                              |
|                         |                      | Practical III<br>18UZOCR3  | 5                             |                              |
|                         |                      | Self Study Dairy Management<br>18UZSS31  | 100                           |                              |
|                         | <b>Semester IV</b>   | Biochemistry<br>18UZOC41   | 25                            |                              |
|                         |                      | Core Practical IV<br>18UZOCR4  | 10                            |                              |
|                         |                      | Clinical Lab Technology<br>18UZOS41<br>Core Skill Based                          | 5                             |                              |
|                         |                      | Applied Biotechnology<br>18UZON41(NME)   | 100                           |                              |
|                         |                      | Aquarium Fish Keeping<br>Self Study (Optional)                                   | 100                           |                              |
|                         | <b>Semester V</b>    | Biotechnology<br>18UBCC51  | <b>100</b>                    |                              |
|                         |                      | Animal Physiology<br>18UZOC52  | <b>25</b>                     |                              |
|                         |                      | Cell Biology and Genetics<br>18UZOC53  | <b>100</b>                    |                              |
|                         |                      | Marine Biology<br>18UZOI51   | <b>100</b>                    |                              |
|                         |                      | Commercial Aquaculture<br>18UZOI52   | <b>100</b>                    |                              |
|                         |                      | Common Skill Based<br>Core - Computer for digital era and soft skills - 18UCSB51 | <b>100</b>                    |                              |



|  |                    |   |            |  |
|--|--------------------|---|------------|--|
|  |                    |   |            |  |
|  |                    | Common core<br>Practical V<br>18UBCCR1                            | <b>100</b> |  |
|  |                    | Core Practical VI<br>18UZOCR5                                     | <b>50</b>  |  |
|  |                    | Self Study / On-line<br>Course –<br>Vermitechnology -<br>18UZOSS3 | <b>100</b> |  |
|  | <b>Semester VI</b> | Immunology and<br>Microbiology<br>18UZOC61                        | <b>25</b>  |  |
|  |                    | Biostatistics, and<br>Bioinformatics<br>18UZOC62                  | <b>25</b>  |  |
|  |                    | Ecology and<br>Biodiversity<br>18UZOC63                           | <b>100</b> |  |
|  |                    | Sericulture<br>18UZOI61   | <b>30</b>  |  |
|  |                    | Core Practical -<br>18UZOCR6                                      | <b>40</b>  |  |

**Percentage of Revision in PG syllabus**

**2018-20**

| <b>Year of Revision</b> | <b>Program Title</b>           | <b>Course Title /Code</b>            | <b>Percentage of Revision</b> | <b>Overall / of Revision</b> |
|-------------------------|--------------------------------|--------------------------------------|-------------------------------|------------------------------|
| <b>2019-20</b>          | <b>M.Sc Zoology Semester I</b> | Cell & Molecular Biology<br>19PZOC11 | 20                            | <b>24.2%</b>                 |
|                         |                                | Genetics & Evolution<br>19PZOC12     | 20                            |                              |
|                         |                                | Biochemistry<br>19PZOC13             | 10                            |                              |
|                         |                                | Applied Entomology<br>19PZOC14       | 10                            |                              |
|                         |                                | Core Practical<br>19PZOCCR1          | 5                             |                              |
|                         |                                | Core Practical<br>19PZOCCR2          | 50                            |                              |
|                         | <b>Semester II</b>             | Animal Physiology<br>19PZOC21        | 5                             |                              |
|                         |                                | Immunology<br>19PZOC22               | 25                            |                              |
|                         |                                | Biotechnology<br>19PZOC23            | 20                            |                              |
|                         |                                | Microbiology<br>19PZOC24             | 100                           |                              |
|                         |                                | Core Practical<br>19PZOCCR3          | 10                            |                              |
|                         |                                | Core Practical<br>19PZOCCR4          | 15                            |                              |

## Members of the Board of Studies

1. Dr. R.M. Murugappan
2. F.Brisca Renuga
3. Dr .H. Abdul Jaffar Ali
4. Dr. T. Jeyalalitha
5. Dr. R.D. Thilaga
6. Dr.A.Elezabeth Mary
7. Mrs S. Jesily
8. Mrs N. Arokiya Mary
9. Mrs. Hermin Pasanga
10. Dr. Mrs. P.J.Joslin
11. Mrs. S.Mary Baptista.Janet
12. Sr.C. Shibana
13. Dr. Mrs. Jemma Hermelin Jesy Diaz
14. Mrs.S. Selvi
15. Dr.S.R.T. Sherly Cross
- 16.Dr.P.Subavathy
17. J.Esther Mereen (Student)

## Signature

Dr. Murugappan 16/2/19.

Renuga 16/2/19

H. Abdul Jaffar Ali 16/2/19  
T. Jeyalalitha 16/2/19

R.D. Thilaga 16/2/19

A. Elizabeth Mary

S. Jesily  
N. Arokiya Mary  
Hermin Pasanga

P. J. Joslin

Janet  
Shibana

Jesy Diaz

S. Selvi

Sherly

P. Subavathy

J. Esther Mereen

**MINUTES OF THE BOARD OF STUDIES MEETING**  
**Department of Commerce**

The Board of Studies Meeting of the Department of Commerce was conducted on 16<sup>th</sup> February 2019 at 10:30 a.m. in the Department of Commerce.

**No. of Members Present**

External Members : 3  
Internal Members : 22  
Student Representatives: 2

The Chairperson Mrs. P. Jeyaselvi welcomed and introduced the members of the Board of Studies.

The following members expressed their inability to attend the meeting:

1. Dr. K. Rajamannar University Nominee  
Assistant Professor, Department of Commerce  
Manonmaniam Sundarnar University  
Tirunelveli – 627012.
2. Dr. Kamala Kannan  
Former Head & Associate Professor of Commerce  
V.O.C. College  
Thoothukudi
3. Ms. Vimie Machado, Industrialist.
4. Dr. A.I. Auxilia Felcitas - Alumnae  
Associate Professor of Commerce,  
Fatima College,  
Madurai

**Internal Members:**

1. Dr. Anne Devotta.
2. Ms. Essaki Karthiga.

**Agenda Discussion**

The Chairperson Ms. P.Jeyaselvi, Head & Associate professor of commerce presented the agenda and invited the members for discussion.

**Agenda Item No.1: II and III UG SYLLABUS**

**III SEMESTER:**

Core VI: Modern Banking

Unit V - To include 'Modern Trends in E- Banking with Google Pay, PayTm etc., and CRM in banks.

Core VII: E-Accounting

Unit I - Add 'Application of GST'.

Interchange of Unit II and III  
Allied VI: Customer Relationship Management  
Delete contents of Unit V.  
Unit III – Split into two units.  
Unit III – Add CRM issues and Problems which was stated in Unit I

#### **IV SEMESTER:**

Allied VII: Auditing  
Delete contents of Unit V  
Unit I be split into two units.  
Core SB: Business Statistics  
Merge Units IV and V as Unit V  
Include 'Analysis of Time Series' under Unit IV

#### **V SEMESTER:**

Core XI: Human Resource Management

Unit I: To include e- HRM – Applications- after problems of HRM.

Core XIII: Business Law

'Street Vendors Act' may be included in Unit V

Core Integral II: Cost Accounting

Rearrange the contents as follows:

Unit I – Add content of Unit IV fully.

Unit II – Material Control

Unit III – Labour Cost – Computation and Control

Unit IV – Accounting for Overheads

Unit V – Methods of Costing

Core Integral III: Financial Services

Unit I – Delete 'Financial service sector in India, problems faced and regulatory framework and include 'Financial Literacy of Investors'

Unit IV – Delete 'Credit rating agencies in India'.

#### **Agenda Item No.2: PG SYLLABUS**

Core V: Managerial Economics

Unit I – Include 'Market Equilibrium'.

Core IX: Operations Research

Unit IV- Include '2 person zero sum game'.

Core X: Financial Markets and Institutions

Unit V: Delete 'FDI'.

Core XI: Advanced Corporate Accounting

Unit V – Delete 'Current cost accounting method (CCA).....upto Gearing Adjustment'.

Core XV: Research Methodology

Unit IV – Delete 'Scaling Techniques' and include it under Unit III



### **Agenda Item No.3: Change in Evaluation pattern of Ability Enhancement programme**

Change in Evaluation pattern of Ability Enhancement programme was discussed and approved

### **Agenda Item No.4: Mandatory MOOC Course for PG**

Mandatory MOOC Course for PG (one paper every year) was discussed and approved.

### **Agenda Item No.5: Syllabus of Certificate course and Career oriented course**

Syllabus of Certificate course and Career oriented course was discussed and approved.

### **Suggestions:**

1. Students may be exposed to awareness and training programme on Entrepreneurship Development organized by the University and/or Government.
2. Students may be motivated to take up activities under 'Earn while you Learn'.
3. Students can assist the collection of data for NGO's.

### **Resolution**

- Resolved that new courses viz., 'e-Accounting' and 'Customer Relationship Management' be introduced as Core and Allied courses in Semester III; 'Human Resource Management' and 'Computers in Digital Era' as Common Core and Common skill-based course in Semester V; 'Financial Services' and 'Investment Management' as Core Integral courses in Semester VI for UG Programme.
- Resolved that new courses viz., 'Supply Chain Management', 'Green Marketing' and 'Tourism Management' be introduced as Elective courses in Semester I and II for the PG Programme.
- Resolved that the name of the following courses be renamed :
  - 'Advanced Accounting' be renamed as 'Advanced Financial Accounting' (Core V)
  - 'Banking' be renamed as 'Modern Banking' (Core VI)
  - 'Introduction to Accounting' be renamed as 'Principles of Accountancy' (NME)
- Resolved that changes be made in respect of the following courses in UG Programme:
  - 'Auditing' be shifted from Semester VI to Semester IV as Allied Course.
  - Self study course 'Indirect Taxes' in Semester IV to be replaced by "Online Marketing"
  - Skill based course 'Computer Applications in Business' in Semester V be replaced by 'Computers in Digital Era' as Common Skill Base Course.
- Resolved that changes be made in respect of the following courses in PG Programme:
  - Elective Course 'Managerial Economics' be changed as Core Course.
  - 'Organisational Behaviour' in Semester IV be treated as Common Core in Semester II.

- E-Commerce in Semester II be shifted to Semester III.
- Self study course in Semester II & III be removed
- Students should complete one MOOC Course every year.

**Observations:**

It was observed that 40% percentage of revision has been made.

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Ms . P. Maria Sahaya Rossiyana, Head and Assistant Professor in Commerce (SSC), St. Mary's College (Autonomous), Thoothukudi.

The following members were present:

## II & III UG

### Syllabus Revision from 2015-18 to 2018-21

| SEMESTER | Program Title | Course Title                           | Subject Code | Percentage of Revision |
|----------|---------------|--|--------------|------------------------|
| III      | B.COM         | <u>Mordern</u><br>Banking              | 18UCOC32     | 10                     |
|          |               | Customer<br>Relationship<br>management | 18UCOA32     | 20                     |
| IV       | B.Com         | Auditing                               | 18UCOA41     | 30                     |
| V        | B.Com         | Cost Accounting                        | 18UCOI52     | 40                     |
| VI       | B.com         | Financial services                     | 18UCOI61     | 20                     |

## IPG

### Syllabus Revision from 2017-19 to 2019-2021

| SEMESTER | Program Title | Course Title                          | Subject Code | Percentage of Revision |
|----------|---------------|---------------------------------------|--------------|------------------------|
| I        | M.Com         | Managerial<br>Economics               | 19PCOC15     | 10                     |
|          |               | Operations Research                   | 19PCOC24     | 10                     |
|          |               | Financial Markets<br>and Institutions | 19PCOC25     | 10                     |



The following members were present:

1. Mrs. P.Jeyaselvi, Chairperson, HOD of Commerce, St.Mary's College(Autonomous), Thoothukudi. *P.Jeyaselvi 16/2/19*
2. Dr.Geetha, Former Head & Associate Professor of Commerce, S.T.Hindu College, Nagercoil. *Geetha 16/2/19*
3. Dr.Mabel Latha Rani, Assistant Professor of Commerce, Rani Anna Government College, Tirunelveli. *Mabel Latha Rani 16/2/2019*
4. Dr. J.Arulmani, Nehru Memorial College, Trichy. *Arulmani 16/2/19*
5. Mrs. Elizabeth James, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Elizabeth James 16/2/19*
6. Dr. G.Stella Beatrice Nirmala, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Stella Beatrice Nirmala 16/2/19*
7. Dr. Mrs. Mary Judith Reene Fernando, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Mary Judith Reene Fernando 16/2/19*
8. Mrs. D.Daisy Bai, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Daisy Bai 16/2/19*
9. Dr. Mrs. Fernando Alexandria, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Fernando Alexandria 16/2/19*
10. Mrs. P. Banumathi, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Banumathi 16/2/19*
11. Mrs.A.Amora, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *A. Amora 16/2/19*
12. Mrs. Jenifer Trina, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Jenifer Trina 16/2/19*
13. Mrs. A. Indra Refline Missier, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *A. Refline 16/2/19*
14. Ms.S. Chris Roshal, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Chris Roshal 16/2/19*
15. Mrs. P.Maria Sahaya Rossiyana, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Rossiyana 16/2/19*
16. Mrs. O.Sony Fernando, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Sony Fernando 16/2/19*



17. Dr. Mrs. T. Priyanka, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *T. Priyanka*
18. Mrs. M. Deena, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *M. Deena*
19. Mrs. B. Geetha Maheswari, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *B. Geetha Maheswari*
20. Ms. Annette Roy, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Annette Roy*
21. M. Maheswari, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *M. Maheswari*
22. Ms. Saranya, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *S. Saranya*
23. Dr. S. Bulomine Regi, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *S. Bulomine Regi*
24. Ms. C. Nayantra Mascaranhas, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *C. Nayantra Mascaranhas*
25. Ms. S. Brezilla, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *S. Brezilla*
26. A. Mary Anugraha, Student Representative, St. Mary's College (Autonomous), Thoothukudi. *A. Mary Anugraha*
27. S. Minmini, Student Representative, St. Mary's College (Autonomous), Thoothukudi. *S. Minmini*

## **MINUTES OF THE BOARD OF STUDIES MEETING MATHEMATICS**

The Board of Studies Meeting of the Department of Mathematics was conducted on 23.02.2019 at 10 a.m in the Guest House of St.Mary's College (Autonomous),Thoothukudi

### **No. of Members Present**

External Members : 4

Internal Members : 15

The Chairperson Dr.A.Punitha Tharani welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

1. Mrs.A. Sheela Roselin  
Assistant Professor  
Department of Mathematics  
Fatima College (Autonomous)  
Madurai.
2. J. Ancy  
Software Engineer  
Larsen & Toubro Infotech  
DLF IT Park, SEZ Campus,  
1/124 Shivaji Gardens, Marapakkam,  
Chennai - 600 089.

### **Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

#### **Agenda Item No.1**

II & III U.G. Syllabi

#### **Agenda Item No.2**

I & II P.G. Syllabi

#### **Agenda Item No.3**

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

#### **Agenda Item No.4**

Mandatory MOOC course for P.G. (one paper every year)

#### **Agenda Item No.5**

Certificate Course & Career Oriented Course.

### **Recommendations**

#### **Agenda Item No.1**

##### **UG**

- Analyse and Creative points of Cognitive Level should be minimised in UG level.
- It is suggested to change Text Book as Book for Study.
- For Statistics, Unit V can be removed and the remaining contents can be evenly distributed as five units.
- Allied IV course title Discrete Mathematics to be changed as Lattice Theory and Boolean Algebra and the contents and book for study were suggested to be changed.
- It is suggested to change the Text Book and contents for Lattice Theory and Boolean Algebra.
- It is suggested to remove Unit I and add Ordinary Differential Equations in the Common Core paper – Computer Oriented Numerical Methods in Semester V.
- It is suggested to interchange Core X Modern Analysis to Core IX Operations research and vice versa.
- Core VIII course title Abstract Algebra to be changed as Modern Algebra.
- Self study paper Foundation of Mathematics in Semester III is found to be difficult.

#### **Agenda Item No.2**

- Number of Books for Reference may be uniform for all the courses.
- Publication, edition and year must be specified for all study and reference books.
- Core I course title Algebra I to be changed as Groups and Rings.
- Core II course title Real Analysis - I to be changed as Real Analysis.
- Core VI course title Algebra II to be changed as Linear Algebra.
- Core VII course title Real Analysis - II to be changed as Mathematical Analysis.
- Core VIII course title Mechanics to be changed as Classical Mechanics.
- Core X course title Fuzzy Sets to be changed as Fuzzy Algebra.

#### **Agenda Item No.3**

- The Change in evaluation pattern was approved by the Board Members.

#### **Agenda Item No.4**

- Introduction of MOOC course as self study paper was accepted by the Board Members.

#### **Agenda Item No.5**

Certificate Course & Career Oriented Course.

- Tally and DTP courses were discussed by the Board members.

#### **Resolution**

##### **New Courses introduced**

###### **➤ UG:**

It was resolved that

- New Allied courses Linear Programming in Semester III and Discrete Mathematics in Semester IV have been introduced.
- New Core course Real Analysis has been introduced in Semester IV.
- New Core Integral courses Statistical Inference in Semester VI and Mechanics in Semester VI have been introduced.
- For Core Skill Based Course, Math type using LaTeX has been included instead of Office Automation for SBE in IV Semester.
- Common Core has been introduced in semester V for Mathematics and Computer Science students.
- Core Integral V Coding Theory has been introduced and given as optional for Project in VI semester.
- For NME, new courses Mathematics for Competitive Examinations I in semester III and Mathematics for Competitive Examinations II in semester IV have been introduced.
- The board members approved the contents of the Allied Mathematics papers for Physics Major for Semester III and Semester IV.

#### **1. Papers interchanged**

###### **➤ UG:**

It was resolved that

- Graph Theory has been shifted to VI semester from V semester.
- Operations Research has been shifted to V semester from VI semester.
- Statistics II to be shifted to Semester III and renamed as Statistics I and Statistics I to be shifted to Semester IV and renamed as Statistics II.



➤ **PG:**

- Research methodology has been introduced in the III semester.
- Common Core is replaced by Calculus of Variations and Integral Equations
- Compulsory one MOOC Course per year has been introduced.

2. Percentage of revision that has been made

➤ **UG:**

| Semester | Name of the Paper  |   | Total percentage of addition (%) | Total percentage of Deletion (%) |
|----------|--|---|----------------------------------|----------------------------------|
|          | 2019   | 2015  |                                  |                                  |
| III      | Core V:<br>Sequences and Series, Trigonometry                | Core V:<br>Sequences and Series                         |                                  |                                  |
|          | Allied III :Statistics I                                     | Allied II :Statistics I                                 |                                  | 40                               |
|          | Allied IV: Linear Programming                                | -   | 100                              |                                  |
|          | Core Skill Based - Numerical Aptitude and Arithmetic Ability | Skill Based - Mathematics for Competitive Exam / MATLAB | 100                              |                                  |
|          | NME : Mathematics  | NME :Numerical Aptitude                                 | 100                              |                                  |

|    |  |                            |     |    |
|----|--|----------------------------|-----|----|
|    | for Competitive Examinations I                               | and Arithmetic Ability     |     |    |
| IV | Core VI: Real Analysis                                       | --                         | 100 | -- |
|    | Allied V: Statistics II                                      | Allied II :Statistics II   |     | 40 |
|    | Allied VI: Lattice Theory and Boolean Algebra                | --                         | 100 | -- |
|    | Core Skill Based: Math Type using LaTeX                      | --                         | 100 | -- |
|    | NME : Mathematics for Competitive Examinations II            | NME : Statistics           | 100 |    |
|    | Self Study Course : Industrial Mathematics                   |                            |     |    |
| V  | Common Core : Core VII – Computer Oriented Numerical Methods | --                         | 100 | -- |
|    | Core VIII – Modern Algebra                                   | Core VI – Abstract Algebra | ←   |    |

|    |  |  |     |    |
|----|--|--|-----|----|
|    | Core IX – Operations Research                        | Core Elective II - Operations Research     | 40  | 40 |
|    | Core X – Modern Analysis                             |  |     | 20 |
|    | Core Integral I – Vector Calculus and Fourier Series | Core XII :Vector Calculus and Trigonometry | 20  | 40 |
|    | Core Integral II – Statistical Inference             | --   | 100 | -- |
|    | Self Study: Astronomy                                | Self Study: Astronomy                      |     |    |
| VI | Core XI - Complex Analysis                           | Core IX - Complex Analysis                 |     |    |
|    | Core XII- Linear Algebra                             | Core VII- Linear Algebra                   |     |    |
|    | Core Integral III – Mechanics                        | --   | 100 | -- |
|    | Core Integral IV – Graph Theory                      | Core Integral X – Graph Theory             |     | 15 |
|    | Core Integral V – Coding Theory/ Project             | --   | 100 | -- |

**Department of Mathematics**  
**Details of Syllabus Revision**  
**2019 - 2020**

| <b>Semester</b> | <b>Component</b>   | <b>Course Code</b> | <b>Course</b>                                 | <b>Revision in Percentage</b> |
|-----------------|--|--------------------|---|-------------------------------|
| <b>III</b>      | Core V   | 18UMAC31           | Sequences and Series,<br>Trigonometry         | 20                            |
|                 | Allied III   | 18UMMA31           | Statistics I                                  | 40                            |
|                 | Allied IV  | 18UMMA32           | Linear Programming                            | 100                           |
|                 | Allied I (Physics)                                       | 18UMAA31           | Allied Mathematics I                          | 10                            |
|                 | Allied II (Physics)                                      | 18UMAA32           | Allied Mathematics II                         | 10                            |
|                 | Core Skill Based   | 18UMAS31           | Numerical Aptitude and<br>Arithmetic Ability  | 100                           |
|                 | NME I  | 18UMAN31           | Mathematics for<br>Competitive Examinations I | 100                           |
|                 | Self-Study /<br>On-line Course/<br>Internship (Optional) | 18UMASS1           | Foundation of Mathematics                     | -                             |
| <b>IV</b>       | Core VI  | 18UMAC41           | Real Analysis                                 | 100                           |
|                 | Allied V   | 18UMMA41           | Statistics II                                 | 40                            |
|                 | Allied VI  | 18UMMA42           | Discrete Mathematics                          | 100                           |
|                 | Allied III (Physics)                                     | 18UMAA41           | Allied Mathematics III                        | 10                            |
|                 | Allied IV (Physics)                                      | 18UMAA42           | Allied Mathematics IV                         | 10                            |
|                 | Core Skill Based   | 18UMAS41           | Math Type using LaTeX                         | 100                           |
|                 | NME II   | 18UMAN41           | Mathematics for                               | 100                           |



|           |  |          |  |      |
|-----------|--|----------|--|------|
|           |  |          | Competitive Examinations II            |      |
|           | Self Study /<br>On-line Course/<br>Internship (Optional) | 18UMASS2 | Industrial Mathematics                 | 20   |
| <b>V</b>  | Core VII<br>(Common Core)                                | 18UCCC51 | Computer Oriented<br>Numerical Methods | 100  |
|           | Core VIII  | 18UMAC52 | Modern Algebra                         | -    |
|           | Core IX  | 18UMAC53 | Modern Analysis                        | 20   |
|           | Core X   | 18UMAC54 | Operations Research                    | 40   |
|           | Core Integral I  | 18UMAI51 | Vector Calculus and<br>Fourier Series  | 20   |
|           | Core Integral II   | 18UMAI52 | Statistical Inference                  | 100  |
|           | Self Study or<br>On-line Course<br>(Compulsory)          | 18UMASS3 | Astronomy                              | -    |
| <b>VI</b> | Core XI  | 18UMAC61 | Complex Analysis                       | -    |
|           | Core XII   | 18UMAC62 | Linear Algebra                         | -    |
|           | Core XIII  | 18UMAC63 | Mechanics                              | 100  |
|           | Core Integral III  | 18UMAI61 | Graph Theory                           | 15   |
|           | Core Integral IV   | 18UMAI62 | Coding Theory                          | 100  |
|           | Average  |          |  | 48.4 |

➤ PG:

| Semester | Course Name  |   | Percentage of Revision |
|----------|--|---|------------------------|
|          | 2017   | 2019  |                        |
| I        | Core I - Algebra I   | Core I - Groups and Rings                               | 10                     |
|          | Core II - Real Analysis I                                  | Core II -Real Analysis                                  | 10                     |
|          | Core III- Ordinary Differential Equations                  | Core III -Ordinary differential Equations               | 10                     |
|          | Core IV - Mathematical Statistics                          | Core IV -Mathematical Statistics                        | 10                     |
|          | Elective I - Operations Research / Optimization Techniques | Core V - Operations Research                            | 10                     |
|          | Core V -Algebra II   | Core VI -Linear Algebra                                 | 10                     |
| II       | Core VI -Real Analysis II                                  | Core VII- Mathematical Analysis                         | 10                     |
|          | Core VII- Mechanics  | Core VIII - Classical Mechanics                         | 10                     |
|          | Core VIII -Partial Differential Equations                  | Core IX - Calculus of Variations and Integral Equations | 100                    |
|          | Elective II- Numerical Methods                             | Core X - Fuzzy Algebra                                  | 100                    |
|          | Self Study Course (Compulsory )-Discrete Mathematics       | Elective I -Combinatorics                               | 100                    |
|          |  | Self Study Course (Compulsory )Discrete Mathematics     | 100                    |
|          | Core IX - Transforms with MATLAB                           | Core XI - Topology                                      | 100                    |
|          | Core X -Topology   | Core XII - Graph Theory                                 | 100                    |

|     |  |   |     |
|-----|--|---|-----|
| III | Core XI - Measure Theory   | Core XIII - Measure Theory                            | 10  |
|     | Core XII - Graph Theory  | Core XIV - Partial Differential Equations             | 100 |
|     | Elective III<br>Combinatorics/ Calculus Of Variations and Integral Equations | Core XV- Research Methodology                         | 100 |
|     | Practical I - Transforms with MATLAB   | Elective II - Fluid Mechanics                         | 100 |
|     | Self Study Course (Optional) - History of Mathematics                        | Self Study Course (Optional) - History of Mathematics | 10  |
| IV  | Core XIII - Complex Analysis   | Core XVI - Complex Analysis                           | 10  |
|     | Core XIV - Functional Analysis   | Core XVII - Functional Analysis                       | 10  |
|     | Core XV - Number Theory  | Core XVIII - Number Theory                            | 10  |
|     | Elective IV - Differential Geometry/ Projective Geometry                     | Core XIX - Differential Geometry                      | 10  |
|     | Project - Dissertation   | Project   |     |

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The Board placed the following suggestions:

**UG:**

- The UG Mathematics curriculum has been heedfully prepared with calibre to meet the needs of the students reasonably and satisfactorily.
- The pertinent books for study and reference are specified and chosen scrupulously.
- The inclusion of common core under school system was found to be innovative.

- Vision, Mission and Course outcomes for each course have been discussed and accepted by the board members.

#### PG:

- The PG Mathematics curriculum is passable.
- The course outcome must be discrete to the level of PG curriculum.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Dr.G.Priscilla Pacifica.

| S.No. | Name and Address  | Signature  |
|-------|---|--|
| 1.    | Dr.A.Punitha Tharani<br>Chair Person<br>Head and Associate Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.                              |    |
| 2.    | Dr.N. Soundararaj <b>University Nominee</b><br>Associate Professor<br>Department of Mathematics<br>Sri.S.Ramasamy Naidu Memorial College<br>Sattur, Virudhunagar (DT) 626203. |  |
| 3.    | Dr.S.Somasundaram <b>Subject Expert</b><br>Professor<br>Department of Mathematics<br>Manonmaniam Sundaranar University<br>Tirunelveli - 627 012.                              |  |
| 4.    | Dr. A.Lourdusamy <b>Subject Expert</b><br>Associate Professor<br>Department of Mathematics<br>St. Xavier's College(Autonomous)<br>Palayamkottai.                              |  |
| 5.    | Dr.J.Xavier Adaikalaraj <b>Subject Expert</b><br>Associate Professor<br>Department of Mathematics,<br>Arul Anandar College (Autonomous)<br>Karumathur, Madurai – 625514.      |  |



|     |  |                         |
|-----|--|-------------------------|
| 6.  | Dr. V.L.Stella Arputha Mary<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi. | Dr. Stella Arputha Mary |
| 7.  | Sr. S.Kulandai Therese<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.      |                         |
| 8.  | Dr.J.Arul Jesti<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.             | Jesti                   |
| 9.  | Dr.G.Priscilla Pacifica<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.     | G. Priscilla Pacifica   |
| 10. | Dr. P.Anbarasi Rodrigo<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.      | P. Anbarasi Rodrigo     |
| 11. | Ms.C.Reena<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.                  | Reena                   |
| 12. | Ms.Kanaga<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.                   | M. Kanaga               |
| 13. | Ms.A.Robina Tony<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.            | A. Robina Tony          |

|     |  |                         |
|-----|--|-------------------------|
| 14. | Ms.A.Nilofer<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi               |                         |
| 15. | Ms.R. Maria Irudaya Aspin<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi. | <i>R. Aspin</i>         |
| 16. | Ms.H.Sujitha<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.              | <i>H. Sujitha</i>       |
| 17. | Ms.K.Rajendra Suba<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.        | <i>K. Rajendra Suba</i> |
| 18. | Ms.V.Uma Maheswari<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.        | <i>V. Umamaheswari</i>  |
| 19. | Ms.A.Ancy<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.                 | <i>Ancy. A.</i>         |
| 20. | Ms.A.Ferdina<br>Assistant Professor<br>Department of Mathematics<br>St.Mary's College(Autonomous), Thoothukudi.              | <i>Aineel</i>           |
| 21. | P.Saradha (Student representative – UG)  | <i>P. Saradha</i>       |
| 22. | S.Esther Jesy (Student representative – PG)  | <i>S. Esther Jesy</i>   |

**MINUTES OF THE BOARD OF STUDIES MEETING**  
**Department of Commerce**

The Board of Studies Meeting of the Department of Commerce was conducted on 16<sup>th</sup> February 2019 at 10:30 a.m. in the Department of Commerce.

**No. of Members Present**

External Members : 3  
Internal Members : 22  
Student Representatives: 2

The Chairperson Mrs. P. Jeyaselvi welcomed and introduced the members of the Board of Studies.

The following members expressed their inability to attend the meeting:

1. Dr. K. Rajamannar University Nominee  
Assistant Professor, Department of Commerce  
Manonmaniam Sundarnar University  
Tirunelveli – 627012.
2. Dr. Kamala Kannan  
Former Head & Associate Professor of Commerce  
V.O.C. College  
Thoothukudi
3. Ms. Vimie Machado, Industrialist.
4. Dr. A.I. Auxilia Felcitas - Alumnae  
Associate Professor of Commerce,  
Fatima College,  
Madurai

**Internal Members:**

1. Dr. Anne Devotta.
2. Ms. Essaki Karthiga.

**Agenda Discussion**

The Chairperson Ms. P.Jeyaselvi, Head & Associate professor of commerce presented the agenda and invited the members for discussion.

**Agenda Item No.1: II and III UG SYLLABUS**

**III SEMESTER:**

Core VI: Modern Banking

Unit V - To include 'Modern Trends in E- Banking with Google Pay, PayTm etc., and CRM in banks.

Core VII: E-Accounting

Unit I - Add 'Application of GST',



Interchange of Unit II and III  
Allied VI: Customer Relationship Management  
Delete contents of Unit V.  
Unit III – Split into two units.  
Unit III – Add CRM issues and Problems which was stated in Unit I

#### **IV SEMESTER:**

Allied VII: Auditing  
Delete contents of Unit V  
Unit I be split into two units.  
Core SB: Business Statistics  
Merge Units IV and V as Unit V  
Include 'Analysis of Time Series' under Unit IV

#### **V SEMESTER:**

Core XI: Human Resource Management

Unit I: To include e- HRM – Applications- after problems of HRM.

Core XIII: Business Law

'Street Vendors Act' may be included in Unit V

Core Integral II: Cost Accounting

Rearrange the contents as follows:

Unit I – Add content of Unit IV fully.

Unit II – Material Control

Unit III – Labour Cost – Computation and Control

Unit IV – Accounting for Overheads

Unit V – Methods of Costing

Core Integral III: Financial Services

Unit I – Delete 'Financial service sector in India, problems faced and regulatory framework and include 'Financial Literacy of Investors'

Unit IV – Delete 'Credit rating agencies in India'.

#### **Agenda Item No.2: PG SYLLABUS**

Core V: Managerial Economics

Unit I – Include 'Market Equilibrium'.

Core IX: Operations Research

Unit IV- Include '2 person zero sum game'.

Core X: Financial Markets and Institutions

Unit V: Delete 'FDI'.

Core XI: Advanced Corporate Accounting

Unit V – Delete 'Current cost accounting method (CCA).....upto Gearing Adjustment'.

Core XV: Research Methodology

Unit IV – Delete 'Scaling Techniques' and include it under Unit III



### **Agenda Item No.3: Change in Evaluation pattern of Ability Enhancement programme**

Change in Evaluation pattern of Ability Enhancement programme was discussed and approved

### **Agenda Item No.4: Mandatory MOOC Course for PG**

Mandatory MOOC Course for PG (one paper every year) was discussed and approved.

### **Agenda Item No.5: Syllabus of Certificate course and Career oriented course**

Syllabus of Certificate course and Career oriented course was discussed and approved.

### **Suggestions:**

1. Students may be exposed to awareness and training programme on Entrepreneurship Development organized by the University and/or Government.
2. Students may be motivated to take up activities under 'Earn while you Learn'.
3. Students can assist the collection of data for NGO's.

### **Resolution**

- Resolved that new courses viz., 'e-Accounting' and 'Customer Relationship Management' be introduced as Core and Allied courses in Semester III; 'Human Resource Management' and 'Computers in Digital Era' as Common Core and Common skill-based course in Semester V; 'Financial Services' and 'Investment Management' as Core Integral courses in Semester VI for UG Programme.
- Resolved that new courses viz., 'Supply Chain Management', 'Green Marketing' and 'Tourism Management' be introduced as Elective courses in Semester I and II for the PG Programme.
- Resolved that the name of the following courses be renamed :
  - 'Advanced Accounting' be renamed as 'Advanced Financial Accounting' (Core V)
  - 'Banking' be renamed as 'Modern Banking' (Core VI)
  - 'Introduction to Accounting' be renamed as 'Principles of Accountancy' (NME)
- Resolved that changes be made in respect of the following courses in UG Programme:
  - 'Auditing' be shifted from Semester VI to Semester IV as Allied Course.
  - Self study course 'Indirect Taxes' in Semester IV to be replaced by "Online Marketing"
  - Skill based course 'Computer Applications in Business' in Semester V be replaced by 'Computers in Digital Era' as Common Skill Base Course.
- Resolved that changes be made in respect of the following courses in PG Programme:
  - Elective Course 'Managerial Economics' be changed as Core Course.
  - 'Organisational Behaviour' in Semester IV be treated as Common Core in Semester II.

- E-Commerce in Semester II be shifted to Semester III.
- Self study course in Semester II & III be removed
- Students should complete one MOOC Course every year.

**Observations:**

It was observed that 40% percentage of revision has been made.

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Ms . P. Maria Sahaya Rossiyana, Head and Assistant Professor in Commerce (SSC), St. Mary's College (Autonomous), Thoothukudi.

The following members were present:

## II & III UG

### Syllabus Revision from 2015-18 to 2018-21

| SEMESTER | Program Title | Course Title                           | Subject Code | Percentage of Revision |
|----------|---------------|--|--------------|------------------------|
| III      | B.COM         | <u>Mordern</u><br>Banking              | 18UCOC32     | 10                     |
|          |               | Customer<br>Relationship<br>management | 18UCOA32     | 20                     |
| IV       | B.Com         | Auditing                               | 18UCOA41     | 30                     |
| V        | B.Com         | Cost Accounting                        | 18UCOI52     | 40                     |
| VI       | B.com         | Financial services                     | 18UCOI61     | 20                     |

## IPG

### Syllabus Revision from 2017-19 to 2019-2021

| SEMESTER | Program Title | Course Title                          | Subject Code | Percentage of Revision |
|----------|---------------|---------------------------------------|--------------|------------------------|
| I        | M.Com         | Managerial<br>Economics               | 19PCOC15     | 10                     |
|          |               | Operations Research                   | 19PCOC24     | 10                     |
|          |               | Financial Markets<br>and Institutions | 19PCOC25     | 10                     |

**DEPARTMENT OF COMMERCE (SSC)**

**B. Com Corporate**

**II & III UG**

**Syllabus Revision from 2015-18 to 2018-21**

| <b>SEMESTER</b> | <b>PROGRAM<br/>TITLE</b> | <b>COURSE<br/>TITLE</b>                        | <b>SUBJECT<br/>CODE</b> | <b>PERCENTAGE<br/>OF REVISION</b> |
|-----------------|--------------------------|--|-------------------------|-----------------------------------|
| III             | B. Com Corporate         | Corporate Law<br>and Secretarial<br>Practice-I | 18UCCC32                | 10                                |
|                 |                          | Customer<br>Relationship<br>Management         | 18UCOA32                | 20                                |
| IV              | B. Com Corporate         | Auditing                                       | 18UCOA41                | 30                                |
| V               | B. Com Corporate         | Cost Accounting                                | 18UCOI52                | 40                                |
| VI              | B. Com Corporate         | Securities Law<br>and Financial<br>Markets     | 18UCCI61                | 20                                |



The following members were present:

1. Mrs. P.Jeyaselvi, Chairperson, HOD of Commerce, St.Mary's College(Autonomous), Thoothukudi. *P.Jeyaselvi 16/2/19*
2. Dr.Geetha, Former Head & Associate Professor of Commerce, S.T.Hindu College, Nagercoil. *Geetha 16/2/19*
3. Dr.Mabel Latha Rani, Assistant Professor of Commerce, Rani Anna Government College, Tirunelveli. *Mabel Latha Rani 16/2/2019*
4. Dr. J.Arulmani, Nehru Memorial College, Trichy. *Arulmani 16/2/19*
5. Mrs. Elizabeth James, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Elizabeth James 16/2/19*
6. Dr. G.Stella Beatrice Nirmala, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Stella Beatrice Nirmala 16/2/19*
7. Dr. Mrs. Mary Judith Reene Fernando, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Mary Judith Reene Fernando 16/2/19*
8. Mrs. D.Daisy Bai, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Daisy Bai 16/2/19*
9. Dr. Mrs. Fernando Alexandria, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Fernando Alexandria 16/2/19*
10. Mrs. P. Banumathi, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Banumathi 16/2/19*
11. Mrs.A.Amora, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *A. Amora 16/2/19*
12. Mrs. Jenifer Trina, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Jenifer Trina 16/2/19*
13. Mrs. A. Indra Refline Missier, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *A. Refline 16/2/19*
14. Ms.S. Chris Roshal, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Chris Roshal 16/2/19*
15. Mrs. P.Maria Sahaya Rossiyana, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Rossiyana 16/2/19*
16. Mrs. O.Sony Fernando, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Sony Fernando 16/2/19*

17. Dr. Mrs. T. Priyanka, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *T. Priyanka*
18. Mrs. M. Deena, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *M. Deena*
19. Mrs. B. Geetha Maheswari, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *B. Geetha Maheswari*
20. Ms. Annette Roy, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Annette Roy*
21. M. Maheswari, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *M. Maheswari*
22. Ms. Saranya, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *S. Saranya*
23. Dr. S. Bulomine Regi, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *S. Bulomine Regi*
24. Ms. C. Nayantra Mascaranhas, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *C. Nayantra Mascaranhas*
25. Ms. S. Brezilla, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *S. Brezilla*
26. A. Mary Anugraha, Student Representative, St. Mary's College (Autonomous), Thoothukudi. *A. Mary Anugraha*
27. S. Minmini, Student Representative, St. Mary's College (Autonomous), Thoothukudi. *S. Minmini*

## **MINUTES OF THE BOARD OF STUDIES MEETING**

### **Department of Commerce**

The Board of Studies Meeting of the Department of Commerce was conducted on 16<sup>th</sup> February 2019 at 10:30 a.m. in the Department of Commerce.

#### **No. of Members Present**

External Members : 3  
Internal Members : 22  
Student Representatives: 2

The Chairperson Mrs. P. Jeyaselvi welcomed and introduced the members of the Board of Studies.

The following members expressed their inability to attend the meeting:

1. Dr. K. Rajamannar University Nominee  
Assistant Professor, Department of Commerce  
Manonmaniam Sundarnar University  
Tirunelveli – 627012.
2. Dr. Kamala Kannan  
Former Head & Associate Professor of Commerce  
V.O.C. College  
Thoothukudi
3. Ms. Vimie Machado, Industrialist.
4. Dr. A.I. Auxilia Felcitas - Alumnae  
Associate Professor of Commerce,  
Fatima College,  
Madurai

#### **Internal Members:**

1. Dr. Anne Devotta.
2. Ms. Essaki Karthiga.

#### **Agenda Discussion**

The Chairperson Ms. P.Jeyaselvi, Head & Associate professor of commerce presented the agenda and invited the members for discussion.

#### **Agenda Item No.1: II and III UG SYLLABUS**

##### **III SEMESTER:**

Core VI: Modern Banking

Unit V - To include 'Modern Trends in E- Banking with Google Pay, PayTm etc., and CRM in banks.

Core VII: E-Accounting

Unit I - Add 'Application of GST'.



Interchange of Unit II and III  
Allied VI: Customer Relationship Management  
Delete contents of Unit V.  
Unit III – Split into two units.  
Unit III – Add CRM issues and Problems which was stated in Unit I

#### **IV SEMESTER:**

Allied VII: Auditing  
Delete contents of Unit V  
Unit I be split into two units.  
Core SB: Business Statistics  
Merge Units IV and V as Unit V  
Include 'Analysis of Time Series' under Unit IV

#### **V SEMESTER:**

Core XI: Human Resource Management

Unit I: To include e- HRM – Applications- after problems of HRM.

Core XIII: Business Law

'Street Vendors Act' may be included in Unit V

Core Integral II: Cost Accounting

Rearrange the contents as follows:

Unit I – Add content of Unit IV fully.

Unit II – Material Control

Unit III – Labour Cost – Computation and Control

Unit IV – Accounting for Overheads

Unit V – Methods of Costing

Core Integral III: Financial Services

Unit I – Delete 'Financial service sector in India, problems faced and regulatory framework and include 'Financial Literacy of Investors'

Unit IV – Delete 'Credit rating agencies in India'.

#### **Agenda Item No.2: PG SYLLABUS**

Core V: Managerial Economics

Unit I – Include 'Market Equilibrium'.

Core IX: Operations Research

Unit IV- Include '2 person zero sum game'.

Core X: Financial Markets and Institutions

Unit V: Delete 'FDI'.

Core XI: Advanced Corporate Accounting

Unit V – Delete 'Current cost accounting method (CCA).....upto Gearing Adjustment'.

Core XV: Research Methodology

Unit IV – Delete 'Scaling Techniques' and include it under Unit III



### **Agenda Item No.3: Change in Evaluation pattern of Ability Enhancement programme**

Change in Evaluation pattern of Ability Enhancement programme was discussed and approved

### **Agenda Item No.4: Mandatory MOOC Course for PG**

Mandatory MOOC Course for PG (one paper every year) was discussed and approved.

### **Agenda Item No.5: Syllabus of Certificate course and Career oriented course**

Syllabus of Certificate course and Career oriented course was discussed and approved.

### **Suggestions:**

1. Students may be exposed to awareness and training programme on Entrepreneurship Development organized by the University and/or Government.
2. Students may be motivated to take up activities under 'Earn while you Learn'.
3. Students can assist the collection of data for NGO's.

### **Resolution**

- Resolved that new courses viz., 'e-Accounting' and 'Customer Relationship Management' be introduced as Core and Allied courses in Semester III; 'Human Resource Management' and 'Computers in Digital Era' as Common Core and Common skill-based course in Semester V; 'Financial Services' and 'Investment Management' as Core Integral courses in Semester VI for UG Programme.
- Resolved that new courses viz., 'Supply Chain Management', 'Green Marketing' and 'Tourism Management' be introduced as Elective courses in Semester I and II for the PG Programme.
- Resolved that the name of the following courses be renamed :
  - 'Advanced Accounting' be renamed as 'Advanced Financial Accounting' (Core V)
  - 'Banking' be renamed as 'Modern Banking' (Core VI)
  - 'Introduction to Accounting' be renamed as 'Principles of Accountancy' (NME)
- Resolved that changes be made in respect of the following courses in UG Programme:
  - 'Auditing' be shifted from Semester VI to Semester IV as Allied Course.
  - Self study course 'Indirect Taxes' in Semester IV to be replaced by "Online Marketing"
  - Skill based course 'Computer Applications in Business' in Semester V be replaced by 'Computers in Digital Era' as Common Skill Base Course.
- Resolved that changes be made in respect of the following courses in PG Programme:
  - Elective Course 'Managerial Economics' be changed as Core Course.
  - 'Organisational Behaviour' in Semester IV be treated as Common Core in Semester II.

- E-Commerce in Semester II be shifted to Semester III.
- Self study course in Semester II & III be removed
- Students should complete one MOOC Course every year.

**Observations:**

It was observed that 40% percentage of revision has been made.

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Ms . P. Maria Sahaya Rossiyana, Head and Assistant Professor in Commerce (SSC), St. Mary's College (Autonomous), Thoothukudi.

The following members were present:

## II & III UG

### Syllabus Revision from 2015-18 to 2018-21

| SEMESTER | Program Title | Course Title                           | Subject Code | Percentage of Revision |
|----------|---------------|--|--------------|------------------------|
| III      | B.COM         | <u>Mordern</u><br>Banking              | 18UCOC32     | 10                     |
|          |               | Customer<br>Relationship<br>management | 18UCOA32     | 20                     |
| IV       | B.Com         | Auditing                               | 18UCOA41     | 30                     |
| V        | B.Com         | Cost Accounting                        | 18UCOI52     | 40                     |
| VI       | B.com         | Financial services                     | 18UCOI61     | 20                     |

## IPG

### Syllabus Revision from 2017-19 to 2019-2021

| SEMESTER | Program Title | Course Title                          | Subject Code | Percentage of Revision |
|----------|---------------|---------------------------------------|--------------|------------------------|
| I        | M.Com         | Managerial<br>Economics               | 19PCOC15     | 10                     |
|          |               | Operations Research                   | 19PCOC24     | 10                     |
|          |               | Financial Markets<br>and Institutions | 19PCOC25     | 10                     |



The following members were present:

1. Mrs. P.Jeyaselvi, Chairperson, HOD of Commerce, St.Mary's College(Autonomous), Thoothukudi. *P.Jeyaselvi 16/2/19*
2. Dr.Geetha, Former Head & Associate Professor of Commerce, S.T.Hindu College, Nagercoil. *Geetha 16/2/19*
3. Dr.Mabel Latha Rani, Assistant Professor of Commerce, Rani Anna Government College, Tirunelveli. *Mabel Latha Rani 16/2/2019*
4. Dr. J.Arulmani, Nehru Memorial College, Trichy. *Arulmani 16/2/19*
5. Mrs. Elizabeth James, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Elizabeth James 16/2/19*
6. Dr. G.Stella Beatrice Nirmala, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Stella Beatrice Nirmala 16/2/19*
7. Dr. Mrs. Mary Judith Reene Fernando, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Mary Judith Reene Fernando 16/2/19*
8. Mrs. D.Daisy Bai, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Daisy Bai 16/2/19*
9. Dr. Mrs. Fernando Alexandria, Associate Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Fernando Alexandria 16/2/19*
10. Mrs. P. Banumathi, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Banumathi 16/2/19*
11. Mrs.A.Amora, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *A. Amora 16/2/19*
12. Mrs. Jenifer Trina, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Jenifer Trina 16/2/19*
13. Mrs. A. Indra Refline Missier, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *A. Refline 16/2/19*
14. Ms.S. Chris Roshal, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Chris Roshal 16/2/19*
15. Mrs. P.Maria Sahaya Rossiyana, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Rossiyana 16/2/19*
16. Mrs. O.Sony Fernando, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Sony Fernando 16/2/19*



17. Dr. Mrs. T. Priyanka, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *T. Priyanka*
18. Mrs. M. Deena, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *M. Deena*
19. Mrs. B. Geetha Maheswari, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *B. Geetha Maheswari*
20. Ms. Annette Roy, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *Annette Roy*
21. M. Maheswari, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *M. Maheswari*
22. Ms. Saranya, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *S. Saranya*
23. Dr. S. Bulomine Regi, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *S. Bulomine Regi*
24. Ms. C. Nayantra Mascaranhas, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *C. Nayantra Mascaranhas*
25. Ms. S. Brezilla, Assistant Professor in Commerce, St. Mary's College (Autonomous), Thoothukudi. *S. Brezilla*
26. A. Mary Anugraha, Student Representative, St. Mary's College (Autonomous), Thoothukudi. *A. Mary Anugraha*
27. S. Minmini, Student Representative, St. Mary's College (Autonomous), Thoothukudi. *S. Minmini*

**MINUTES OF THE BOARD OF STUDIES MEETING**  
**Department of BBA**

The Board of Studies Meeting of the Department of Business Administration was conducted on 16.02.2019 at 9.30 a.m. in the department of BBA.

**No. of Members Present**

External Members : 6

Internal Members : 4

The Chairperson Ms.S.Gayathri, Head of the Department, welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

1. Ms. M. Sharmila (Alumnae of BBA)

**Agenda Discussion :**

The Chairperson presented the agenda and invited the members for discussion. .

**Recommendations:**

**Agenda Item No.1**

**Semester III:**

| Components | Sub.Code | Title of the Paper         | Recommendations   |
|------------|----------|----------------------------|---|
| Core V     | 18UBAC31 | Industrial Relations       | The paper has to replace with Industrial Law  |
| Core VI    | 18UBAC32 | Business Statistics        | Unit V-Add Time Series Analysis   |
| Core VII   | 18UBAC33 | Organisational Behaviour-1 | Unit IV – Remove Content Theories.<br>Unit V –Mention it as Case study instead of Success Stories.<br>Change Text Books & Books for Reference.<br>Text Books: Replace S.S. Khanka with Ashwathappa. |
| Allied V   | 18UBAA31 | Women Entrepreneurship     | Unit II – Remove Functions of Women Entrepreneurs and add types of Women  |

|            |          |                             |  |
|------------|----------|-----------------------------|--|
|            |          |                             | <p>Entrepreneurs.</p> <p>Unit III – Remove Schemes fully and add Financial Assistance and Guidance available to Women Entrepreneurs.</p> <p>Unit IV – Change title to Project Identification &amp; Formulation, Contents of Project report, Feasibility.</p> <p>Unit V –Instead of CIA-III the students can avail Field Project followed with presentation and viva.</p> |
| Allied V1  | 18UBAA32 | Economics for Executives    | <p>Small portion of Unit II split into Unit III</p> <p>Remove Unit IV &amp; Unit III replaced into Unit IV</p>   |
| Core SB    | 18UBAS31 | Principles of Marketing     | <p>Unit IV – Remove promotional programmers.</p> <p>Unit V – Group Activity can be added on Advertisement.</p> <p>Suggested to take over the marks of Group activity as Seminar Mark.</p>  |
| NME        | 18UBAN31 | Fundamentals of Advertising | No Correction  |
| Self-Study | 18UBSS31 | Personality Development     | No Correction  |

#### **Semester IV:**

| <b>Components</b> | <b>Sub.Code</b> | <b>Title of the Paper</b>   | <b>Recommendations</b>   |
|-------------------|-----------------|-----------------------------|--|
| Core VIII         | 18UBAC41        | Business Law                | Add Law Act for all the Units Covered.   |
| Core IX           | 18UBAC42        | Cost Accounting             | <p>Unit I : Classification of cost – Elements of Cost.</p> <p>Unit II: Add VED Analysis – BIN card vs Stores Ledger (Material Uses).</p> |
| Core X            | 18UBAC43        | Organisational Behaviour-II | Unit IV –Remove Organisational culture.  |

|             |          |                       |  |
|-------------|----------|-----------------------|--|
|             |          |                       | Change Text Books & Books for Reference.<br><br>Text Books: Replace S.S. Khanka with Ashwathappa.                                      |
| Allied VII  | 18UBAA41 | Consumer Behaviour    | No Correction  |
| Allied VIII | 18UBAA42 | Retail Management     | No Correction  |
| Core SB     | 18UBAS41 | Web Commerce          | Website development projects can be given to students.<br><br>Suggested to take over the marks of Website development as Seminar Mark. |
| NME         | 18UBAN41 | Salesmanship          | No Correction.   |
| Self-Study  | 18UBSS41 | Organisational Theory | No Changes   |

#### Semester V:

| Components         | Sub.Code | Title of the Paper                       | Recommendations |
|--------------------|----------|--|-----------------|
| Core XI            | 18UBAC51 | Human Resource Management                | -               |
| Core XII           | 18UBAC52 | Advertising and sales Promotion          | No correction.  |
| Core XIII          | 18UBAC53 | Management Accounting                    | No Correction.  |
| Core Integral I    | 18UBAI51 | Research Methodology                     | No Correction.  |
| Core Integral II   | 18UBAI52 | Case Study                               | No correction   |
| Common Skill Based | 18UBAS51 | Computer for Digital Era and soft skills | -               |

#### Semester VI:

| Components | Sub.Code | Title of the Paper | Recommendations |
|------------|----------|--------------------|-----------------|
| Core XIV   | 18UBAC61 | Service Marketing  | No Correction   |



|                          |                      |   |   |
|--------------------------|----------------------|---|---|
| Core XV                  | 18UBAC62             | Brand Management                              | The paper must replace with Production Management |
| Core XVI                 | 18UBAC63             | Financial Management                          | No correction.                                    |
| Core Integral III        | 18UBAI61             | Change Management                             | The paper must replace with Banking Practices.    |
| Core Integral IV/Project | 18UBAI62<br>18UBAP61 | Entrepreneurial Development Programme Project | No Correction.                                    |

### **Agenda Item No.5**

Certificate Course: No changes in Fairy Craft (II BBA)

Career Oriented Course: Consumer Psychology can be replace with some Entrepreneurial courses. (III BBA)

### **Resolution**

- It was resolved that the board has decided replace some papers with new papers titled with Production Management, Industrial Law, Banking Practices
- It was observed that on the whole 45 percentage of revision has been made on all semester.
- It was summarized as that research activity is undertaken in UG as group project.

### **The Board placed the following suggestions:**

- ✓ For the paper Principles of Marketing, Unit –V must be accompanied with Group activity and it must be taken into Assignment Mark.
- ✓ Creating Web Page or App are must for Web Commerce, the marks scored can be taken as CIA –III marks.
- ✓ The Mini –Field Project should Introduced into Unit-V followed with Presentation and Demonstration.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Ms.H. Jeba Margret Sabthika Assistant Professor, Department of BBA.

**PERCENTAGE REVISION ON BOS 16-02-2019****Semester III,IV,V and VI – III BBA**

| <b>S.No</b> | <b>Core/Allied<br/>/Elective/Skill<br/>Enhancement<br/>Course / Ability<br/>Enhancement<br/>Course/ SBE/NME<br/>/ others</b> | <b>Subject Code</b> | <b>Title of the paper</b>   | <b>Percentage<br/>Revision</b> |
|-------------|--|---------------------|-----------------------------|--------------------------------|
| 1.          | Core   | 18UBAC31            | Industrial Relations        | 10%                            |
| 2.          | Core   | 18UBAC32            | Business Statistics         | 10%                            |
| 3.          | Core   | 18UBAC33            | Organisational Behavior-I   | 30%                            |
| 4.          | Allied   | 18UBAA31            | Women Entrepreneurship      | 30%                            |
| 5.          | Allied   | 18UBAA32            | Economics for Executives    | 10%                            |
| 6.          | CORE SB  | 18UBAS31            | Principles of Marketing     | 20%                            |
| 7.          | NME  | 18UBAN31            | Fundamentals of Advertising | Nil                            |
| 8.          | Self-Study   | 18UBSS31            | Personality Development     | Nil                            |
| 9.          | Core   | 18UBAC41            | Business Law                | 10%                            |
| 10.         | Core   | 18UBAC42            | Cost Accounting             | 20%                            |
| 11.         | Core   | 18UBAC43            | Organisational Behavior-II  | 10%                            |
| 12.         | Allied   | 18UBAA41            | Consumer Behavior           | Nil                            |
| 13.         | Allied   | 18UBAA42            | Retail Management           | Nil                            |
| 14.         | CORE SB  | 18UBAS41            | Web Commerce                | Nil                            |
| 15.         | NME  | 18UBAN41            | Salesmanship                | Nil                            |
| 16.         | Self-Study   | 18UBSS41            | Organisational Theory       | Nil                            |

|     |                     |          |   |      |
|-----|---------------------|----------|---|------|
| 17. | Core II             | 18UBAC52 | Advertising and Sales<br>Promotion          | 100% |
| 18. | Core III            | 18UBAC53 | Management Accounting                       | Nil  |
| 19. | Core Integral I     | 18UBAI51 | Research Methodology                        | 100% |
| 20. | Core Integral<br>II | 18UBAI52 | Case Study                                  | 100% |
| 21. | Core Skill<br>Based | 18UBSB51 | Computer for Digital Era<br>and Soft Skills | 100% |
| 22. | Core I              | 18UBAC61 | Services Marketing                          | 100% |
| 23. | Core II             | 18UBAC62 | Production Management                       | 100% |
| 24. | Core III            | 18UBAC63 | Financial Management                        | Nil  |
| 25. | Core Integral       | 18UBAI61 | Banking Practices                           | 100% |

16.02.2019

Board of Studies Meeting  
(2018 - 2019)

The members of the B.B.A Department and the Board of studies gathered in the BBA Department, St. Mary's College, Tuticorin 16.02.2019

SUBJECT EXPERTS:

1. Mrs. S. Anbuselvi,  
Assitant Professor, Dept of BBA,  
Lady Dook College,  
Madurai  
Email Id: ranbuiii@yahoo.com  
Mob No: ~~8148644555~~ 8667222109
2. Dr. A. Anthony Sahara Clothes,  
Assitant Professor, Dept of BBA,  
Adhitanar College of Arts and Science,  
Tiruchendur  
Email Id: chithrasamy15@gmail.com  
Mob. No: 9789727621
3. Dr. Granosan Malathy.  
Associate Professor,  
Dept of BBA.  
Voc College of Arts and Science,  
Thoothukudi.  
Email ID:- malathiponrani@gmail.com  
Mob No: 9442179191

*[Signature]*

*[Signature]*

*[Signature]*



4. Ms. D. Annie Rose Nirmala.

Assistant Professor.

Department of Management Studies

Px Engineering College,

Vannarpettai, Tirunelveli;

Email Id: annierosenirmala@gmail.com

Mob No: 9245441626

### INDUSTRIALIST:

5. Mr. S. Ragavenda Sakthi Ram.

Executive Director.

Portcity Benefits Fund Ltd (All over Tamilnadu) &

Tamil Masala (Managing Director)

21 D/2, WGIC Road, Thoothukudi.

Email Id: ragavendraram@gmail.com

Mob No: 9842133319

### ARUNNIAE:

6. Ms. M. Sharmila BBA

47 1/2, Nandha Gopalapuram (East)

Thoothukudi 628 002,

Email Id: msharmibba@gmail.com

Mob No: 9487490145



## Department Staff Members:

1. Ms. S. Grayathri MBA., MHRM., M.Phil., SET.,  
HOD of Business Administration.

*S. Grayathri*  
16/02/19

2. D. Vijayalakshmi MBA.,  
Asst. Prof. of. Business Administration.

*D. Vijayalakshmi*  
16/02/19.

3. Ms. H. Jeba Margaret Sabthika.  
Asst. Prof. of. Business Administration.

*Jeba Margaret*

4. Ms. A. Maria Sahaya Steffi  
Asst. Prof. of. Business Administration.

*Steffi A.*

# MINUTES OF THE BOARD OF STUDIES MEETING

## Department of Microbiology

The Board of Studies Meeting of the Department of Microbiology was conducted on 16<sup>th</sup> February 2019 at 9.30 am in the department of Microbiology.

### No. of Members Present

External Members : 5

Internal Members : 6

PG Student : 1

The Chairperson Dr. Joys Selva Mary Albert welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

1. Mr. D. Paulpandi, Industrialist.

### Agenda Discussion

The Chairperson presented the agenda and invited the members for discussion.

#### Agenda Item No.1

II & III U.G. Syllabi

1. Some new topics and techniques were introduced to meet the current scenario.

#### Agenda Item No.2

I & II P.G. Syllabi

1. Arrangement of papers in the syllabus skeleton is altered.
2. Some suggestions and alterations were recommended for some papers.

#### Agenda Item No.3

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

#### Agenda Item No.4

Mandatory MOOC course for P.G. (one paper every year)

#### Agenda Item No.5

Certificate Course & Career Oriented Course.



## **Recommendations**

### **Agenda Item No.1**

- In common core Health and life style psychology, topics such as awareness on breast cancer, immunization schedule was asked to be included.
- In Allied paper – Genetic Engineering, a topic critics on GMO was included.

### **Agenda Item No.2**

- A new paper Applied Microbiology was introduced in Semester III.
- New topics related to Soil Microbiology was introduced in Agricultural Microbiology and renamed as Soil and Agricultural Microbiology.
- Environmental Microbiology was separated as a new paper.
- Recent diagnosis techniques were included in Clinical Microbiology.

### **Agenda Item No.5**

- Syllabus for Career oriented course and Certificate course was approved by the Board of studies.

## **Resolution**

It was resolved that a new paper Virology and Cosmetic Microbiology was introduced as Core Integral in VI Semester for UG.

It was resolved that Environmental and Agricultural Microbiology from Semester I was interchanged to Semester IV, Biochemistry from Semester II was interchanged to Semester I for PG.

It was observed that 25% percentage of revision has been made

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The Board placed the following suggestions:

Common core for UG as Health and Life Style Psychology was appreciated by the board.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Dr. C. Siluvai Kirubagari  
Aneeshia



## Department of Microbiology

### Percentage of Revision – 2019 – 2020

| S.No | Sub.Code | Name of the paper  | % of Revision |
|------|----------|--|---------------|
| 1    | 18UMIC31 | Molecular Biology<br>And Microbial<br>Genetics.                  | 5%            |
| 2    | 18UMICR3 | Laboratory in<br>Molecular Biology<br>And Microbial<br>Genetics. | 20%           |
| 3    | 18UMIA31 | Genetic Engineering  | 40%           |
| 4    | 18UMIAR3 | Laboratory in<br>Genetic Engineering                             | 70%           |
| 5    | 18UMIS31 | Practicals in<br>Medical laboratory<br>technology                | Nil           |
| 6    | 18UMIN31 | Food Microbiology  | Nil           |
| 7    | 18UAWS31 | Women's Synergy  | Nil           |
| 8    | 18UMISS1 | Food Preservation<br>Technology                                  | Nil           |
| 9    | 18UMIC41 | Agricultural<br>Microbiology                                     | 45%           |
| 10   | 18UMICR4 | Laboratory in<br>Agricultural<br>Microbiology                    | 50%           |
| 11   | 18UMIA41 | Mushroom<br>Technology   | 100%          |
| 12   | 18UMIAR2 | Laboratory in<br>Mushroom<br>Technology                          | 100%          |
| 13   | 18UMIS41 | Biostatistics  | 50%           |
|      | 18UMIN41 | Clinical<br>Microbiology   | 100%          |
| 14   | 18UAYM41 | Yoga & Meditation  | Nil           |
| 15   | 18UMISS2 | Probiotics   | 100%          |
| 16   | 18UBCC51 | Psychology and<br>Microbiology for<br>health<br>Care             | 100%          |
| 17   | 18UMIC52 | Immunology   | 5%            |
| 18   | 18UMIC53 | Clinical<br>Microbiology   | Nil           |
| 9    | 18UMII51 | Microbial<br>Nanotechnology                                      | Nil           |
| 20   | 18UMII52 | Vermi Technology   | 100%          |
| 21   | 18UMICR5 | Laboratory in<br>Immunology and                                  | 50%           |

|    |          |   |      |
|----|----------|---|------|
|    |          | Clinical<br>Microbiology  |      |
| 22 | 18UCSB51 | Computer for Digital<br>Era and Soft skills   | 100% |
| 23 | 18UMISS3 | Sea Food Processing   | 100% |
| 24 | 18UMIC61 | Food Microbiology   | Nil  |
| 25 | 18UMIC62 | Industrial<br>Microbiology  | 40%  |
| 26 | 18UMIC63 | Microbial<br>Biotechnology  | 5%   |
| 27 | 18UMII61 | Cosmetic<br>Microbiology  | 100% |
| 28 | 18UMICR6 | Laboratory in Food<br>Microbiology,<br>Industrial<br>Microbiology<br>and Microbial<br>Biotechnology | 50%  |

### PERCENTAGE OF REVISION - 2019 - 2020

| S.No | Subject code | Name of the paper  | % of revision |
|------|--------------|--|---------------|
| 1.   | 19PMIC11     | Fundamentals of Microbiology   | 5%            |
| 2.   | 19PMIC12     | Microbial Diversity and classification   | 30%           |
| 3.   | 19PMIC13     | Biochemistry   | 5%            |
| 4.   | 19PMIC14     | Microbial Physiology   | 10%           |
| 5.   | 19PMICR1     | Laboratory in Fundamentals of Microbiology, Microbial diversity and classification | 20%           |
| 6.   | 19PMICR2     | Laboratory in Biochemistry and Microbial physiology                                | 50%           |
| 7.   | 19PMIC21     | Immunology   | 20%           |
| 8.   | 19PMIC22     | Medical Microbiology   | 30%           |
| 9.   | 19PMIC23     | Microbial genetics and Molecular biology   | Nil           |
| 10.  | 19PMIC24     | Marine Microbiology  | 75%           |
| 11.  | 19PMICR3     | Laboratory in Immunology and Medical Microbiology                                  | 15%           |
| 12.  | 19PMICR4     | Laboratory in Microbial genetics, Molecular biology and Marine Microbiology        | 10%           |

## List the Members of the Board of Studies

1. Dr. S. Sudhakar

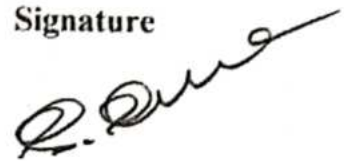
Professor

Department of Biotechnology

Manonmaniam Sundaranar University

Tirunelveli

Signature



2. Dr. S. Vishwanathan,

Assistant Professor and Head,

PG Department of Microbiology,

Sri Paramakalyani College,

Alwarkurichi.



3. Dr. N. Jeya Kumar,

Guest Lecturer,

Department of Microbiology,

Kamarajar Government College,

Surandai, Tirunelveli.



4. Dr. R. Janet Rani,

Assistant Professor and Head,

Research Department of Microbiology,

Sadakathullah Appa College (Autonomous),

Palayamkottai, Tirunelveli.



5. Mrs. K. Jenitha,

Assistant Professor and Head,

Department of Microbiology,

Scott Christian College (Autonomous),

Nagercoil.



6. Dr. Joys Selva Mary Albert,

Assistant Professor, Head and SSC Coordinator,

Department of Microbiology,

St. Mary's College (Autonomous),

Thoothukudi.



7. Dr. C. Siluvai Kirubagari Aneeshia

Assistant Professor,

Department of Microbiology,

St. Mary's College (Autonomous),

Thoothukudi.





8. Ms. A. Maria Heartina Adlin Vaz,  
Assistant Professor,  
Department of Microbiology,  
St. Mary's College (Autonomous),  
Thoothukudi.

*A. Maria Heartina Adlin Vaz*  
16/02/2019

9. Ms. C. Gayathri,  
Assistant Professor,  
Department of Microbiology,  
St. Mary's College (Autonomous),  
Thoothukudi.

*C. Gayathri*  
16/02/19

10. Ms. S. Jamesammal,  
Assistant Professor,  
Department of Microbiology,  
St. Mary's College (Autonomous),  
Thoothukudi.

*S. Jamesammal*  
16/2/19

11. Ms. M. C. Anitta,  
Assistant Professor,  
Department of Microbiology,  
St. Mary's College (Autonomous),  
Thoothukudi.

*M. C. Anitta*  
16/2/19

## MINUTES OF THE BOARD OF STUDIES MEETING

### Psychology Department

The Board of Studies Meeting of the Department of Psychology was conducted on 23.02.2019 from 10.45am to 4.00pm in the department of Psychology.

**No. of Members Present: 7**

External Members : 4

Internal Members : Faculty: 2; Students' Representative: 1

The Chairperson Dr. S. Jeya Bharathi welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

1. Mr. Yuvaraj,

Asst. Prof & HOD Incharge,

Psychology Department,

MSU.

### Agenda Discussion

The Chairperson Dr. S. Jeya Bharathi, presented the agenda and invited the members for discussion.

### Agenda Item No.1

#### II & III U.G. Syllabi

The Agenda was discussed and the following suggestions were given:

1. Course name of Common Core has to be changed for better clarity.
2. Courses should have the uniform distribution of content distribution.
3. The order of the units in the course pattern should be relevant to the content in the reference or preferred text books.
4. The availability of the choice between Self Study Course and Online Course is misleading as there is semester pattern applicable for this course also. Hence it was suggested to remove the option.
5. All the five units for the course Counselling Psychology has been suggested to be changed and a standard framework has been suggested.
6. Along with a set of Reference books, every course was suggested to have a prescribed Text Book to assist the students in better learning.

7. APA format and the uniform usage of Roman Letters throughout the curriculum was suggested.
8. The Self Study Course of Semester V has been suggested to be changed as it is found to be a repetition of the course paper Positive Psychology.
9. One unit has been suggested to be changes both in the course paper Psychology of Women and Industrial Psychology to avoid repetition.
10. The overlapping of Units in Social Psychology I and II were identified and alternative topics have also been suggested.
11. The final Core Integral of the VI Semester has also been evaluated minutely and suggestions for improvement have been given.
12. The Practical Papers for all the 4 semesters have been reframed to suit the standard of the Curriculum.
13. The Board Members also suggested to purchase all the needed equipments and requirements of the lab and library.

#### **Agenda Item No.2**

**Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.**

This new Evaluation pattern including an Assignment component was accepted unanimously by the Board Members.

#### **Agenda Item No.3**

**Certificate Course & Career Oriented Course.**

The offered Certificate Courses for II UG and III UG were discussed and suggestions were given.

**II UG: Media Psychology**

**III UG: Addiction and Rehabilitation Therapy.**

#### **Recommendations**

##### **Agenda Item No.1**

1. The Board Members recommended to change the topic of the Common Core.
2. The Board Members recommended on the uniform usage of Roman Letters, APA Format and proper distribution of the contents of the units throughout the Curriculum.

3. The Board Members unanimously recommended on the removal of option between Self Study Course and Online Course as it was misleading.
4. The Board Members minutely went through the Curriculum and recommended changes in various places where repetitions have occurred.
5. The Board Members worked on the Practical Framework and recommended changes in the Practicals Structure for all the 4 semester patterns discussed.
6. The Board Members also recommended to purchase all the required Lab and Library requirements for the forthcoming semesters without any delay.

#### **Agenda Item No.5**

##### **II UG: Media Psychology & III UG: Addiction and Rehabilitation Therapy**

1. The Board Members appreciated the choice of Certificate Course paper for II UG. They went through the pattern of the Course Paper and recommended the inclusion of Addiction in the units.
2. The Board Members recommended on the changing of the Certificate Course Paper for III UG as they felt it would only be a repetition for the students.
3. The Board Members recommended to include Crime Psychology as the Certificate Course Paper for III UG as they felt it would not only be interesting, but also useful for the outgoing students.

#### **Resolution**

It was resolved that a new Certificate Course would be introduced for the III UG students and a new Self Study Course would be introduced in the V Semester.

It was resolved that the Common Core Paper title would be changed.

It was observed that 100% of the Practical Content and 30% of the Theory Content for the III to VI Semester has been revised.

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The Board placed the following suggestions:

1. On the whole the Board Members felt the theory content was fine while they were dissatisfied only with the Practical Content.



2. The Board Members were satisfied on the immediate implementation of the resolutions passed that is being followed in our college.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Dr. S. Jeya Bharathi

The list of Board of Studies members:

**External Experts:**

1. DR. U.L. BHUVANESWARI,  
Assistant Professor,  
Department of Psychology,  
Govt. Arts College,  
Coimbatore.

Bhuvanewari U.L.  
23.2.19

2. DR. SUDHA KUMARI,  
Assistant Professor,  
Dept. of Education,  
Annamal College of Education,  
Thoothukudi.

Sudha Kumari  
23/2

3. DR. ROWENA, DPM  
Professor in Physiology,  
Thoothukudi Medical College,  
Thoothukudi.

Rowena DPM  
23/2/19

4. MRS. ASHA,  
Students' Counsellor,  
Sathak Apdulla College,  
Tirunelveli.

Asha  
23/2

**Internal Experts:**

1. DR. S. JEYA BAHARTHI,  
Assistant Prof. and Head,  
Dept. of Psychology,  
St. Mary's College (Autonomous),  
Thoothukudi.

S. Jeya Baharthi  
23/2

2. MRS. ROHINI,  
Assistant Professor,  
Dept. of Psychology,  
St. Mary's College (Autonomous),  
Thoothukudi.

Rohini  
23/2

**Student Representative:**

1. MS. NISHA PRIYADARSHINI  
II UG

Nisha Priyadarshini  
23/2

**ST.MARY'S COLLEGE (AUOTONOMOUS), THOOTHUKUDI**

**DEPARTMENT OF ECONOMICS**

**MINUTES OF THE BOARD OF STUDIES MEETING**

The Board of Studies Meeting of the Department of Economics was conducted on 23.2.2011 at 10.30 a.m. in the department of Economics.

5 external members, Dr. Suganda Ramamoorthy, Associate Professor of Economics, Lady Doak College (Autonomous) Thallakulam, Madurai, Dr. Arputhamani, Associate Professor of Economics, Sarah Tucker College, Palayamkottai, Dr. Jeya Sheela, Assistant Professor of Economics, Rani Anna Government College for women, Tirunelveli, Dr. K.B. Raja Stalin (Industrialist), Managing Director, Pridiv Agencies, Pudukottai, Thoothukudi and our Alumna Dr. Prabavathy, Associate Professor of Economics, Kamaraj College, Thoothukudi and 7 Internal members were present for the meeting.

The Chairperson Mrs. X. Esther Vimala welcomed and introduced the Board of Studies Members.

The following members expressed their inability to attend the meeting

**1. University Nominee**

Dr. Amalanathan,  
Associate Professor of Economics,  
St. Xavier's College (Autonomous)  
Palayamkottai

**2. Internal member**

Dr. D.Amutha,  
Associate Professor of Economics  
St. Mary's College,  
Thoothukudi

The chairperson presented the agenda one by one and invited the members for discussion.

**Agenda Item No. 1**

In the first agenda the course structure and syllabus for II and III UG were presented. The Board members thoroughly went through the Course structure as well as the Content of all the courses offered in III, IV, V, and VI Semesters in detail and offered their valuable suggestions.

**Agenda Item No. 2**

The Course Structure and syllabus for I and II P.G were presented and discussed.

**Agenda Item No. 3**

Change in evaluation pattern was informed by the Chairperson as Test mark to be converted to 15 and to allot 5 marks for assignment which has to be included as a component of Ability Enhancement Programme.

#### Agenda Item No. 4

It was informed to the board members that two self-study MOOC (Massive Open Online Course) (one course each year) are mandatory for the PG Students during the period of their study. A list of UGC approved MOOC Courses was presented in the Board as follows:

#### Agenda Item No. 5

The Department has presented the syllabi for 'Employability Skills for Economics Graduates' as Certificate Course for the Second Year Students & 'Front Office Management in Shipping Companies' as Career Oriented Course for the III Year Students and the same were accepted by the board members

#### Recommendations

✓ Regarding the syllabi discussion certain topics were suggested to be included and some topics were asked to be removed from some units.

The Board recommended latest and standard text books and reference books for some courses and to take care of the order of sequence.

✓ The Board recommended that the distribution of hours for some courses should be allotted by considering the content of those units

#### Resolutions

The Board members analysed the existing syllabus for B.A and M.A Economics and after lots of discussions and deliberations the following resolutions were adopted.

- It was resolved that the Course Structures for both UG and PG were approved by the members.
- It was resolved that the title "Economics of statistics I and II" should be named as "Statistics Methods or Statistics I and II" and therefore corrections were carried forward and the course was named as Statistics I & II.
- It was resolved that the unit (Matrix) should be shifted from semester III to semester IV and the topic "Sets" was suggested to be included in Semester III. Some portions were minimized in Statistics and Mathematical Methods as per the number of hours available.
- It was resolved that Allied papers should be aligned and related with subject core papers and they should support the core papers.
- It was resolved that the change in evaluation pattern as Test mark to be converted to 15 and to allot 5 marks for assignment which has to be included as a component of Ability Enhancement Programme was accepted by the board members
- It was resolved that the Course Outcomes and PSO's were discussed for all the courses of both UG and PG and necessary modifications were made.



- It was resolved to offer a certificate course on 'Employability skills for Economics Graduates' for II BA Students and 'Front Office Management in Shipping Companies' for IH BA Students respectively
- It was resolved that for P.G. Public Finance and International Economics should be included in the course structure and syllabus for the same was framed. Welfare Economics was removed from the course structure.
- It was resolved that corrections in some units of the courses Statistics for Economists, Mathematics For Economists, Computer Application in Economic Analysis, Research Methodology were carried out in the PG Syllabus
- It was resolved that unless and otherwise the original software for Tally and SPSS Packages are used that topics should not be included in the syllabi of Computer Application for Economic Analysis and Research Methodology.
- It was resolved to offer the following UGC sponsored MOOC Courses for Economics to the PG Students
  - Basic Econometrics,
  - Time Series Econometrics,
  - Forecasting and Time Series Analysis;
  - Experimental Methods for Economics
  - Business Economics;
  - Criminology Economics;
  - Tourism management
  - ECO-Tourism Management;
  - Agricultural Farming
- It was resolved to introduce the following new courses for UG& PG

| Year of Revision | B.A. Economics | Course Title/Code                                | Percentage of Revision | Overall Percentage of Revision |
|------------------|----------------|--|------------------------|--------------------------------|
| 2018             | I Semester     | Allied-Principles of Commerce -18UECA11          |                        |                                |
|                  |                | Allied-Economics of Advertising-18UECA12         | 100                    |                                |
|                  |                | Allied-Labour Economics (History) – 18UHIA12     | 100                    |                                |
|                  | II Semester    | Allied-Principles of Marketing- 18UECA21         | 100                    |                                |
|                  |                | Allied- Population Economics(History)-18UHIA21   | 100                    |                                |
|                  |                | Allied-Women Entrepreneurship (History)-18UHIA22 | 100                    |                                |

|      |              |   |     |        |
|------|--------------|---|-----|--------|
| 2019 | III Semester | Core-Tamil Nadu Economy -18UECC31                                       | 100 | 54.28% |
|      |              | Core SB-Entrepreneurial Development-18UECS31                            | 100 |        |
|      | IV Semester  | Core SB-Women and Economic Development-18UECS41                         | 100 |        |
|      |              | NME-Tourism and Economic Development-II18UECN41                         | 100 |        |
|      | V Semester   | Common Core- Human Resource Management-18UECC51                         | 100 |        |
|      |              | Core Integral I-Rural Economics- 18UECI51                               | 100 |        |
|      |              | Core Integral II-Tourism Economics-18UECI52                             | 100 |        |
|      |              | Self-Study/Online Course-Economics of Insurance (Compulsory) - 18UECSS1 | 100 |        |
|      | VI Semester  | Core-Labour Economics- 18UECC63   | 100 |        |
|      |              | Core Integral IV – Energy Economics – 18UECI62                          | 100 |        |

| Year of Revision | M.A. Economics | Course Title/Code  | Percentage of Revision               | Overall Percentage of Revision |
|------------------|----------------|--|--------------------------------------|--------------------------------|
| 2019             | I Semester     | Core III – Statistics for Economists - 19 PECC 13<br>Core IV – Economics of Infrastructure - 19 PECC 14<br>Elective I – Environmental Economics – 19 PECE11<br>Elective II - Energy Economics ( OR)<br>Gender Economics - 19 PEC | 100%<br>100%<br>100%<br>100%<br>100% | 53%                            |
|                  | II Semester    | Core VII- Fiscal Economics - 19PECC23<br>Core VIII – Mathematics For Economists- 19PECC24<br>Elective III – Economics of Tourism - 19PECE21<br>Elective IV – Health Economics ( Or) International Economics - 19PECE22           | 100%<br>100%<br>100%<br>100%<br>100% |                                |
|                  | III Semester   | Core- XI – Social Economics 19PECC33<br>Core XII - Research Methodology - 19PECC34<br>Elective V - Marketing Management (OR) Computer Application in Economic Analysis -19PECE31   | 100%<br>100%<br>100%<br>100%         |                                |
|                  | IV Semester    | Core - XIII– Indian Economic History and Thought – 19 PECC 41<br>Core- XIV – Demography – 19PECC 42<br>Core-XV - Financial Institutions & Markets -19PECC43  | 100%<br>100%<br>100%                 |                                |

- It was resolved that the following courses are interchanged for both UG & PG Economics

| B.A.Economics | Course Title/Code   | Percentage of Revision |
|---------------|---|------------------------|
| III Semester  | Allied –Statistics I – 18UECA31 ( I Semester to III Semester) | 45%                    |
|               | Allied – Mathematical Methods I – 18UECA32 ( Content Change)  | 20%                    |
| IV Semester   | Core – Monetary Economics –18UECC41 ( V Sem to IV Sem)        | 10%                    |
|               | Allied –Statistics II – 18UECA41                              | 70%                    |
|               | Allied – Mathematical Methods II – 18UECA42                   | 15%                    |
| V Semester    | Core – Macro Economics I- 18UECC52                            | 5%                     |
|               | Core – Fiscal Economics – 18UECC53                            | 5%                     |
| VI Semester   | Core – Macro Economics II – 18UECC61                          | 0%                     |
|               | Core – Development Economics – 18UECC62                       | 5%                     |
|               | Core Integral-International Economics–18UECI61                | 5%                     |

| M A Economics | Course Title/Code                              | Percentage of Revision |
|---------------|--|------------------------|
| II Semester   | Elective - Modern Banking -19PECE 21           | –                      |
| III Semester  | Core – XII - Research Methodology - 19PECC34   |                        |
|               | Elective – VI – Logistics Management- 19PECE32 |                        |
| IV Semester   | Core - XVI – Monetary Economics - 19PECC44     | –                      |

It was observed that 54.28 percentage of revision has been made in UG Syllabus and 53 percentage of revision has been made in PG Syllabus which was highly appreciated by the Board

It was observed that research activity is undertaken in UG as group project and in PG as individual project. The Guidelines for both UG and PG Projects were discussed and approved by the Board

The Board placed the following suggestions and Appreciation

- The Board members recorded their appreciation for the POs, PSOs for both UG and PG programmes and also the vision mission statements and course outcomes for each and every courses
- The Board members recorded their appreciation for the revision of course structure with 54 percent



The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Dr. Muthu Maha Laxmi

#### External Members

Sugan R  
23/2/19

J. Aputhamari  
23/2/19

J. Jayash  
23/2/19

R. Prabhavathy  
23/2/19.

JG.B. RAJA STALIN

Dr. Rajan  
22/2

#### Internal Members

X Eshtera Vmulla  
23/2/2019

D. S.  
23/02/2019

Dr. Muthu Maha Laxmi  
23/2/19

N. N. S. Lakshmi  
23/2/2019

Dr. Sudha  
23/2/19

Dr. S. S. S. S.  
23/2/19

P. S. S. S.



## **MINUTES OF THE BOARD OF STUDIES MEETING**

### **Department of Physics**

The Board of Studies Meeting of the Department of Physics was conducted on 16.02.2019 at 9.30 a.m in the department of physics.

#### **No. of Members Present**

External Members : 4

Internal Members : 13

The Chairperson Dr. Mrs. Euchrista Immaculate Sylvia welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

1. Dr. S. Shailajha (University Nominee),  
Assistant Professor,  
Manonmanium Sundaranar University,  
Tirunelveli.
2. Dr. J.Jebaraj Devadasan,  
Head & Associate Professor,  
Pope's College,  
Sawyerpuram.
3. Dr. Therese Pushpam,  
Associate Professor,  
Fatima College,  
Madurai.

#### **Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

#### **Agenda Item No.1**

##### **➤ UG**

- Inclusion of two practicals because of star college syllabus was approved in Practical I
- Units III, IV and V of the course Physics for Competitive Examinations are changed as Heat & Optics, Electricity & Electromagnetism and Electronics respectively
- Few topics in Common Core course was deleted in unit IV (Weiss theory, Ferrites and Dielectric loss).
- The topic Multiplexer is followed by Flipflops in unit III of the course Digital Electronics
- Few topics in Core Integral I (Renewable Energy Sources) was deleted in Unit III
- Two topics in Core XI (Nuclear and Particle Physics) was deleted in Unit II

#### **Agenda Item No.2**

##### **➤ PG**

- Ali Omer, Introduction to solids can be used as a reference book for condensed matter physics.

- In condensed matter physics, units I and II can be simplified and combined into a single unit and contents in chapter 7 (Energy Band) of Charles Kittel, Introduction to solid state physics can be included as unit II.
- In microprocessor and microcontroller, unit III has to be replaced by chapter VIII (counters and time delay) from Microprocessor Architecture, Programming and applications with the 8085 by Ramesh Gaonkar.

### **Agenda Item No.3**

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

The Change in evaluation pattern was approved by the Board Study Members.

### **Agenda Item No.4**

Mandatory MOOC course for P.G. (one paper every year)

Introduction of MOOC course as self study paper was accepted by the Board Study Members.

### **Agenda Item No.5**

Certificate Course & Career Oriented Course.

- Web design, Photoshop, Virtual laboratory, E-source, Hands on training in Electrical Appliances and Simulation related topics were discussed by the Board of Studies member.

## **Recommendations**

### **Agenda Item No.1**

- Practicals can be conducted in non semester only.
- Analyse and Creative points of Cognitive Level should be minimised in UG level.

### **Agenda Item No.2**

- Credits and marks should be given year wise for practicals in the course structure.
- Marks for field work can be allotted based on report writing and viva-voce.
- Since the number of hours for practicals has been increased, number of sub sections in individual experiments can be increased.
- Publication, edition and year must be specified for all study and reference books.
- C++ and microprocessor & microcontroller practicals must be specified separately.

### **Agenda Item No.5**

- Suggested to visit Government Polytechnic Institute, Thoothukudi and Geo Magnetic Research Centre, Krishnapuram to collect information for Certificate and Career Oriented Course.

## **Resolution**

### **1. New Courses introduced**

#### **➤ UG:**

It was resolved that

- For Core Skill Based Course, Instrumentation has been included instead of Office Automation for SBE in III Semester.
- Two Self Study courses are newly introduced in III and IV semester namely Electrical wiring and Appliances and Sensors respectively instead of Soft skills and Modern Photography.
- For NME, new Course names Applied Physics I has been introduced in III semester and Applied Physics II has been introduced in IV semester.
- Common Core has been introduced in V semester for Physics and Chemistry students.
- Additional Course is introduced in VI semester named Opto Electronics and Fibre Optics Communication which is shifted to VI semester from V semester.
- Core Integral III Microprocessor 8086 and Microcontroller has been introduced and given as optional for Project in VI semester.

#### **➤ PG:**

- Field work has been introduced in the II semester.
- Research methodology has been introduced in the III semester.
- Elective/field work/study tour has been introduced in the IV semester.
- Compulsory one MOOC Course per year has been introduced.

### **2. Papers interchanged**

#### **➤ UG:**

It was resolved that

- Course Thermal Physics has been interchanged from I semester to II Semester
- Electricity and Electromagnetism has been introduced to III semester.
- Electronics and Communication has shifted to IV semester from III semester, Programming in C++ course has been shifted to V semester from IV semester named as Computational Physics.
- For Core Skill Based, Physics for Competitive Examinations has been shifted to IV semester from V semester.

#### **➤ PG:**

- Nanoscience and Technology has been shifted from IV semester to II semester.
- IDE (Industrial Products) has been removed from II semester.
- Atomic and Molecular spectroscopy has been shifted from IV semester to III semester.
- Nuclear and particle physics has been shifted from semester III to semester IV.
- Project has been shifted from semester III to semester IV.

3. Percentage of revision has been made

➤ UG:

| Semester | Name of the Paper   |  | Total percentage of addition (%) |
|----------|---|--|----------------------------------|
|          | 2018  | 2015                                       |                                  |
| III      | Core V: Electricity and Electromagnetism                  | Core IV: Electricity and Electromagnetism  | --                               |
|          | Core Skill Based - Insatrummentation                      | ----                                       | 100                              |
|          | NME : Applied Physics I                                   | NME : Electronics                          | 64                               |
|          | Self Study: Electrical Wiring and Appliances              | Self Study: Soft Skills                    | 100                              |
| IV       | Core VI: Electronics and communication                    | Core V: Electronics and communication      | 100                              |
|          | Core Skill Based: Physics for competitive examination     | -----                                      | 100                              |
|          | NME : Applied Physics II                                  | NME : Applied Physics                      | 85                               |
|          | Self Study Course : Sensors                               | Self Study Course : Modern Photography     | 100                              |
| V        | Common Core : Core VII – Solid State and Material Science | ----                                       | 100                              |
|          | Core VIII – Digital Electronics                           | Core VII - Digital Electronics             | 20                               |
|          | Core IX – Computational Physics                           | Core VI - Programming in C++               | 30                               |
|          | Core Integral I – Renewable Energy Sources                | Core Elective I – Renewable Energy Sources | 12                               |
|          | Self Study: BioPhysics                                    | Self Study: BioPhysics                     | 10                               |
| VI       | Core X – Modern Physics                                   | Core IX – Modern Physics                   | 10                               |
|          | Core XI – Nuclear and Particle Physics                    | Core X – Nuclear and Particle Physics      | 56                               |
|          | Core XII – Opto Electronics and                           | Core Elective II - Opto Electronic         | 35                               |



|  |   |                                      |     |
|--|---|--------------------------------------|-----|
|  | Fibre Optic Communication                                   | and Fibre Optic Communication        |     |
|  | Core Integral II – Advanced Physics                         | Core Elective III – Advanced Physics | 20  |
|  | Core Integral III – Microprocessor 8086 and Microcontroller | ---                                  | 100 |

➤ **PG:**

| Semester | Course Name                              | Percentage of Revision |
|----------|--|------------------------|
| I        | Classical mechanics                      | 20                     |
|          | Mathematical Physics I                   | 10                     |
|          | Electronics and Experimental Methods     | 10                     |
|          | Crystal Growth and Thin Films            | 10                     |
| II       | Nanoscience and Technology               | 10                     |
|          | Mathematical Physics II                  | 30                     |
|          | Electromagnetic Theory                   | 10                     |
|          | Microprocessor and Microcontroller       | 30                     |
|          | Field Work                               | 100                    |
| III      | Quantum Mechanics I                      | 30                     |
|          | Atomic and Molecular Spectroscopy        | 10                     |
|          | Thermodynamics and Statistical mechanics | 5                      |
|          | Research Methodology                     | 100                    |
| IV       | Quantum Mechanics II                     | 30                     |
|          | Condensed Matter Physics                 | 30                     |
|          | Nuclear and Particle Physics             | 15                     |
|          | Field work/elective/study tour           | 100                    |

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The Board placed the following **suggestions**:

**UG:**

- The UG Physics syllabus was adequate and of standard. It has been prepared sincerely.
- The relevant books for study and reference is specified and chosen.
- The inclusion of common core under school system was found to be novel.

**PG:**

- The PG Physics curriculum is adequate.
- The course outcome must be specific to the level of PG curriculum.
- The inclusion of field work in the curriculum was observed to be a novel attempt.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Dr. Jessie Fernando.

| NAME OF THE MEMBERS   | SIGNATURE                      |
|---|--------------------------------|
| Dr.S.Euchrista Immaculate Sylvia,<br>Chair Person,<br>Head & Associate Professor<br>St.Mary's College (Autonomous),<br>Thoothukudi. | S. Euchrista Immaculate Sylvia |
| Dr.M.Nagarajan,<br>Associate Professor,<br>VOC College,<br>Thoothukudi.   | M. Nagarajan                   |
| Dr. A. Effie Cordelia,<br>Associate Professor,<br>Sarah Tucker College (Autonomous),<br>Tirunelveli - 7                             | A. Effie Cordelia              |
| Dr. Ada Vinolin,<br>Associate Professor,<br>Madurai Kamaraj University College,<br>Alagarkoil Road,<br>Madurai - 2.                 | A. Vinolin                     |
| Mrs.N.Amsupooranam,<br>Senior Sub Divisional Engineer,<br>BSNL,<br>Tirunelveli.   | N. Amsupooranam                |
| Dr.A.S.J. Lucia Rose,<br>Associate Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.                                    | A. S. J. Lucia Rose            |
| Dr.Jessie Fernando,<br>Associate Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.                                      | Jessie Fernando                |
| Ms. A. Lucas Rexceline,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.                                  | A. Lucas Rexceline             |
| Mrs.M.Sheeba,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.  | M. Sheeba                      |
| Mrs.S.Irudaya Sahaya Lancy,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.                              | S. Irudaya Sahaya Lancy        |

|   |                           |
|---|---------------------------|
| Mrs. M.Jeyalakshmi,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.    | <i>M. Jeyalakshmi</i>     |
| Mrs. R.N. Subha,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.       | <i>R.N. Subha</i>         |
| Mrs.P.Padmavathi,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.      | <i>P. Padmavathi</i>      |
| Mrs. Y. Sasikala,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.      | <i>Y. Sasikala</i>        |
| Mrs. P. Dhanalakshmi,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.  | <i>Dhanalakshmi P.</i>    |
| Mrs.A.Nirmala Shirley,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi. | <i>A. Nirmala Shirley</i> |
| Mrs.L.Smila,<br>Assistant Professor,<br>St.Mary's College (Autonomous),<br>Thoothukudi.           | <i>L. Smila</i>           |
| Ms.C. Konsha (Student representative – UG)  | <i>C. Konsha.</i>         |
| Ms. A. Reshmina Tony (Student representative – PG)  | <i>A. Reshmina Tony</i>   |



# MINUTES OF THE BOARD OF STUDIES MEETING

## Department of Chemistry

The Board of Studies Meeting of the Department of Chemistry was conducted on 16<sup>th</sup> February 2019 at 10.30 a.m in the department of Chemistry

### No. of Members Present

External Members : 6

Internal Members : 12

| S.No | Name   | Designation         | Contact Address  | Signature                               |
|------|--|---------------------|--|---|
| 1.   | Dr.K.Swarnalatha<br>University Nominee       | Associate Professor | Department of Chemistry,<br>Manonmaniam<br>Sundaranar University,<br>Tirunelveli - 627012    | <i>Dr. K. Swarnalatha</i><br>16/02/2019 |
| 2.   | Dr. S. Joseph Selvaraj<br>Subject Expert     | Associate Professor | Department of Chemistry,<br>St. Joseph's College<br>(Autonomous),<br>Tiruchirapalli- 620002. | <i>S. Joseph Selvaraj</i>               |
| 3.   | Dr. R. Murugesan Subject<br>Expert           | Associate Professor | Department of Chemistry,<br>TDMNS College,<br>Kallikulam, Tirunelveli<br>district - 627 113. | <i>R. Murugesan</i>                     |
| 4.   | Dr. J. Sidharthan<br>Subject Expert          | Associate Professor | Department of Chemistry,<br>V.O.C College<br>Thoothukudi - 8                                 | <i>J. Sidharthan</i>                    |
| 5.   | Dr. Mrs. J. Rajula<br>Jasmine Usha<br>Alumna | Associate Professor | Department of Chemistry,<br>Sarah Tucker College<br>(Autonomous),<br>Tirunelveli -627007     | <i>J. Rajula Jasmine Usha</i>           |
| 6.   | Mr.D.Kishore Industrial<br>Expert            | Assistant Manager   | Urea Production<br>SPIC Thoothukudi  | <i>D. Kishore</i>                       |

### Faculty Members

*J. Martin Rathi*

Dr.Mrs.J.Martin Rathi(HOD)

*S. Linda Fernando*

Dr.Mrs.T.Linda Fernando

*S. Rani Jeyamary*

Mrs.S.Rani Jeyamary

*I.A. Sophia*

Dr.Mrs.Irudaya Antonat Sophia

*A. Lakshmi*

Dr. A.Lakshmi

*B. Divya*

Mrs.B.Divya

*A. Parveen Sulthana*

Dr.Mrs.A.Parveen Sulthana

*G. Amala Jothi Grace*

Dr. G.Amala Jothi Grace

*J. Antony Rajam*

Dr. Mrs.J.Antony Rajam

*C. Zozimus Divya Lobo*

Dr.Mrs.C.Zozimus Divya Lobo

*D. Carolin Jeniba Rachel*

Ms. D. Carolin Jeniba Rachel

*K. Saravana Devi*

Mrs. K.Saravana Devi

*N. Karthika*

N.Karthika

*J.C. Nancy Sylvia*

J.C.Nancy Sylvia

III B.Sc.Chemistry

II M.Sc.Chemistry



The Chairperson Dr.J.Martin Rathi welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

I. Dr. M. George Johnson (Subject Expert), Associate Professor & Head, Department of Chemistry, Loyola College (Autonomous), Nungambakkam, Chennai -600034.

### **Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

#### **Agenda Item No.1**

II & III U.G. Syllabi

#### **Semester III**

##### **Skill based Elective I: Agricultural Chemistry and Water Management**

- In Unit I- Soil reclamation can be included
- In Unit II- Mention one general classification for pesticides and include the environmental hazards, control measures and specified dosage.

#### **Semester IV**

##### **Skill based Elective II: Pharmaceutical Chemistry**

- In Unit-II- Importance of Indian medicinal plants should only be knowledge based and should not be taken as prescription

#### **NME-II**

- In Unit-V – The articles of day today life can be demonstrated in the class

#### **Semester V**

##### **Core VIII Organic Chemistry-V**

- In Unit-IV- Knoevenagel reaction, Aldol, Claisen, Perkin, Grignard, Mannich, Wittig, definition of blocking and activating groups, Robinson annulations sequence, Linear, Convergent scheme can be deleted.

##### **Core IX Physical Chemistry II**

- In Unit-III Matrix representation of symmetry operations can be deleted

#### **Core Integral**

Coordination and Bioinorganic Chemistry is renamed as Inorganic Chemistry and shifted to Semester VI

Core X Inorganic Chemistry II can be renamed as Essentials of Inorganic Chemistry and shifted to semester V as Core Integral I by making the following changes : Unit III and Unit IV - d- block elements I and II can be merged into one unit (Comparative study of V, Nb, Ta, extraction properties and uses of vanadium, Comparative study of Fe, Co, Ni.(similarities and dissimilarities) Preparation and uses of Ferric chloride, Potassium

ferro and ferricyanides - Extraction, properties and uses of Cobalt, Preparation and uses of sodium cobaltinitrite Comparative study of Zn, Cd, Hg. (similarities and dissimilarities) can be deleted

- Unit-V Inorganic materials can be included

### **In III year practicals**

- Physical Chemistry Experiments in Semester VI can be shifted to Semester V and gravimetry and inorganic preparations to Semester VI
- Determination of physical constants ( melting point/ boiling point ) as course work in gravimetry and inorganic preparations can be included as regular practicals in organic analysis and organic preparations in Semester VI
- In Course work along with estimation of iron by spectrophotometer two more metals can be included

## **Semester VI**

### **Core XI Organic Chemistry IV**

- In Unit II Michael reaction and Haloform reaction can be deleted

### **Core Integral II Spectroscopy**

- In Unit -III Application of IR in coordination compounds can be deleted
- Problems can be specified in individual units and not structural elucidation comprising all spectroscopic techniques
- Unit-IV spin moment can be included
- Principle of  $^{31}\text{P}$ ,  $^{19}\text{F}$ ,  $^{15}\text{N}$  can be deleted
- Organic Spectroscopy by P.S.Kalsi and Essentials of Physical Chemistry by Puri & Sharma can be included as Reference Books

### **Core XII Physical Chemistry III**

Unit V- Chemical equilibrium can be retained

**Industrial visit can be incorporated in the curriculum**

### **Agenda Item No.2**

I & II P.G. Syllabi

## **Semester I**

### **Core I Inorganic Chemistry I**

- Unit I should be changed with chemical bondings and redox potentials & their applications
- Unit -V, Specify the coordination compounds for applications.

### **Core II Organic Chemistry I**

- In Unit IV free radical reactions should be included.
- In Unit V mechanisms of racemization through carbanion must be removed.

### **Core III Physical Chemistry I**

- In Unit I Planck's quantum theory, Compton Effect, photoelectric effect wave particle duality and uncertainty principle can be eliminated.
- Hydrogen atom must be included.
- Unit V title should be changed to rotational spectroscopy.

### **Elective – I De nova design in Chemistry**

- Unit V- Drugs for common diseases and Artificial sweetening agents added in drugs must be mentioned.

## **Semester - II**

### **Core V Inorganic Chemistry -II**

- Unit – I Eliminate Nephelauxetic effect and include Bjerrum method.
- Unit II' – Include spinels and inverse spinels and unusual oxidation states in consequences of crystal field splitting.

### **Core VI Organic Chemistry II**

- In Unit III, Replace cocaine with reserpine or lysergic acid.
- In Unit IV, Photochemical rearrangement should be removed.
- In Unit V, Include Scott rule and Specify the applications of IR spectroscopy.

### **Core practical II Organic Chemistry Practicals I**

- Mention the preparations as single stage.

### **Core practical III Physical Chemistry Practicals I**

- Remove benzene in distribution experiment

## **Semester – III**

### **Core VII Inorganic Chemistry – III**

- In Unit V, Include Zintl ions.

### **Core VIII Organic Chemistry III**

- In Unit III, C-C should be changed into C=C and Aldol condensation is replaced with Reformatsky reaction.
- In Unit V, Remove Magnetic Resonance Imaging (MRI)

### **Core X Research Methodology**

- In Unit II, Potentiometry should be shifted to Physical Chemistry II in Semester III.
- In Unit IV, HPLC-MS and Capillary electrophoresis should be removed.



## Semester – IV

### Core XI Inorganic Chemistry – IV

- In Unit V, NQR may be removed.

### Core XII Organic Chemistry IV

- In Unit III, Con and disrotatory and [1,j] shift of C-H and C-C bonds should be removed.
- In Unit IV, Pyridine and Ureids should be removed.

### Core XIII Physical Chemistry III

- Units II and III should be interchanged.
- In Unit IV, from  $C^{13}$  to .....MRI may be deleted.

### Core practical V Organic Chemistry Practicals II

- Estimation of Phenol and Aniline in Course work may be included in the regular Quantitative analysis.

➤ Industrial visit and Internship programme may be mentioned in the syllabus.

### Agenda Item No.3

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

**Approved by the board**

### Agenda Item No.4

Mandatory MOOC course for P.G. (one paper every year)

### Suggestions

- One MOOC course is mandatory for PG students during the course.

### Agenda Item No.5

Certificate Course & Career Oriented Course

**Approved by the board members**

### Recommendations

Agenda Item No.1, 2, 5 (state recommendations briefly- Give Annexure –I (for detail))  
Given above

Suggestions by III B.Sc. Chemistry Student

1. In II year one more core can be included
2. Forensic science can be included as a unit in any one the course
3. Self study can be made compulsory in II year



**2018-2021 percentage of revision II and III year**

| <b>S.No</b>                           | <b>Course Code</b> | <b>Course name</b>                          | <b>% revision</b> |
|---------------------------------------|--------------------|---|-------------------|
| <b>Semester III</b>                   |                    |   |                   |
| 1                                     | 18UCHC31           | Physical Chemistry –I                       | 68                |
| 2                                     | 18UCHA31           | Chemistry for Biological Sciences - I       | 100               |
| 3                                     | 18UCHS31           | Agricultural Chemistry and Water Management | New course        |
| <b>Semester IV</b>                    |                    |   |                   |
| 4                                     | 18UCHC41           | Organic Chemistry-II                        | 54                |
| 5                                     | 18UCHA32           | Chemistry for Biological Sciences - II      | 80                |
| 6                                     | 18UCHS41           | Pharmaceutical Chemistry                    | 26                |
| <b>Semester V</b>                     |                    |   |                   |
| 7                                     | 18UPCC51           | Solid State and Material science            | New course        |
| 8                                     | 18UCHC52           | Organic Chemistry III                       | 70                |
| 9                                     | 18UCHC53           | Physical Chemistry II                       | 80                |
| 10                                    | 18UCHI51           | Essentials of Inorganic Chemistry           | 50                |
| <b>Semester VI</b>                    |                    |   |                   |
| 11                                    | 18UCHC61           | Inorganic Chemistry - II                    | 20                |
| 12                                    | 18UCHC62           | Organic Chemistry-IV                        | 44                |
| 13                                    | 18UCHC63           | Physical Chemistry III                      | 80                |
| 14                                    | 18UCHI61           | Spectroscopy                                | New course        |
| <b>Overall Percentage of revision</b> |                    |   | <b>69</b>         |

**PG Department of Chemistry (SSC)**

**Percentage of Revision in 2019-2021 Syllabus (I & II Semester)**

| <b>S. No.</b> | <b>Core /Elective/ others</b> | <b>Sub. Code</b> | <b>Subject Name</b>                   | <b>Percentage of Revision</b> |
|---------------|-------------------------------|------------------|---------------------------------------|-------------------------------|
| 1             | Core I                        | 19PCHC11         | Inorganic Chemistry - I               | 60                            |
| 2             | Core II                       | 19PCHC12         | Organic Chemistry - I                 | 25                            |
| 3             | Core III                      | 19PCHC13         | Physical Chemistry - I                | 60                            |
| 4             | Elective                      | 19PCHE11         | A. Denova Designs in Chemistry        | 100                           |
| 5             | Elective                      | 19PCHE11         | B. Chemical Instrumentation           | 100                           |
| 6             | Core IV                       | 19PCHC21         | Inorganic Chemistry - II              | 100                           |
| 7             | Core V                        | 19PCHC22         | Organic Chemistry – II                | 80                            |
| 8             | Core VI                       | 19PCHC23         | Physical Chemistry – II               | 100                           |
| 9             | Elective                      | 19PCHE21         | A. Energy and Environmental Chemistry | 100                           |
| 10            | Elective                      | 19PCHE21         | B. Industrial Chemistry               | 100                           |
| 11            | Core Practical I              | 19PCHCR1         | Inorganic Chemistry Practicals - I    | 10                            |
| 12            | Core Practical II             | 19PCHCR2         | Organic Chemistry Practicals – I      | 10                            |
| 13            | Core Practical III            | 19PCHCR3         | Physical Chemistry Practicals – I     | 10                            |
| 14            | MOOC                          | 19PCHM21         |                                       | 100                           |

**Overall Percentage of Revision = 68.2 %**

## Resolution

It was resolved that Spectroscopy, Informative Chemistry, Agricultural Chemistry and water Management in UG and *De nova* Deigns in Chemistry, Energy and Environmental Chemistry in PG are new courses imntroduced

It was resolved that Interchange of course - name of courses shifted is mentioned above

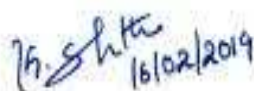
It was observed that 40% UG and 50% of revision has been made in PG

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

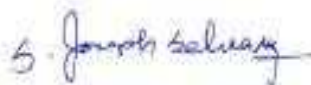
The Board placed the following suggestions: mentioned above.

The syllabus and course structure was acknowledged and approved by the Board.

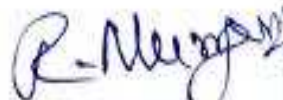
The meeting ended with the vote of thanks by Dr. J.Martin Rathi

  
16/02/2019

Dr.K.Swarnalatha  
University Nominee



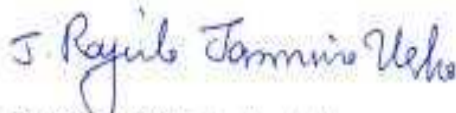
Dr. S. Joseph Selvaraj  
Subject Expert



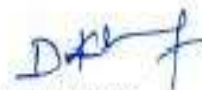
Dr. R. Murugesan  
Subject Expert



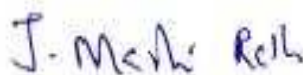
Dr. J. Sidharthan  
Subject Expert



Dr. Mrs. J. Rajula Jasmine Usha  
Alumna



Mr.D.Kishore  
Industrial Expert



Dr.Mrs.J.Martin Rathi

## **MINUTES OF THE BOARD OF STUDIES MEETING**

### **Department of Computer Science**

The Board of Studies Meeting of the Department of Computer Science was conducted on 16.02.2019 at 10.30 a.m. in the department of Computer Science.

#### **No. of Members Present**

External Members : 4

Internal Members : 10

The Chairperson Mrs.S.Gnanathangam welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

#### **1. Mr. A. Charles**

Associate Prof.in Computer Science

St.Joseph's college

Trichy-2

Phone No :944349405

#### **2. Mr . Beno Roland,**

Project Manager,

SATHYA Technology(I) Pvt.Ltd.

Palayamkottai.

Phone No. : 8220014985

#### **Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

.

#### **Agenda Item No.1**

II & III U.G. Syllabi

#### **Agenda Item No.2**

I & II P.G. Syllabi

#### **Agenda Item No.3**

Change in evaluation pattern: Test mark converted to 15 and to include assignment (5) as a component of Ability Enhancement Programme.

#### **Agenda Item No.4**

Mandatory MOOC course for P.G. (one paper every year)

#### **Agenda Item No.5**

Certificate Course & Career Oriented Course.

#### **Recommendations**

Agenda Item No.1

##### **Semester III:**

- Skill based core-Microprocessors paper may include with practical component
- Instead of theory importance may be given to practical if structure permits(3+1)
- Non Major Elective fourth unit may be changed.

##### **Semester IV:**

- HTML lab-Renamed as web designing lab.
- Web designing Lab to include practical with DHTML, XML and Scripting exercises
- Non Major Elective (NME) syllabus may be revised.

##### **Semester V:**



- Operating System Unit V Linux theory on history and design philosophy may be dropped
- Linux Os practical commands file oriented, process oriented and shell programming may be included.

#### **Semester VI:**

- Mobile computing paper name to be changed as Android Programming.
- Text book may be changed with Android studio..

#### Agenda Item No.2

##### **Semester II**

- Data Mining course can be renamed as Data Mining and R Programming.
- Data Mining can have the first three units as they are. Unit IV must be replaced with Introduction to R programming. Unit V must be replaced with Applications of R programming.

##### **Books**

- Recently updated versions of books might be given for reference for all courses

#### **Resolution**

It was resolved that....

- HTML lab is replaced with Web Designing Lab in the fourth semester of the UG program

It was observed that 20 percentage of revision has been made for both UG and PG syllabi.

It was observed that research activity is undertaken in UG as group project and in PG as individual project.

The Board placed the following suggestions:

- Three CIAs may be conducted for 30 marks for a duration of 1 hour.
- One online course may be made mandatory for PG program.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Ms. J. Anila Maily.

**% Revision of syllabai**  
**Department of Computer Science**  
**2019 – 2020**

| Semester |   | Subject Code | Title Of The Paper                  | % of Revision | Average |
|----------|---|--------------|-------------------------------------|---------------|---------|
| Sem III  | Core III  | 18UCSC31     | JAVA Programming                    | 10            | 36%     |
|          | Core IV   | 18UCSC32     | Computer Architecture               | 10            |         |
|          | Core Practical III  | 18UCSCR3     | JAVA Programming Lab                | 25            |         |
|          | Allied III  | 18UCSA31     | Data Structures                     | Nil           |         |
|          | Allied Practical III                                      | 18UCSAR3     | Data Structures Lab                 | 20            |         |
|          | Skill Based Core(SBC)                                     | 18UCSS31     | Microprocessors                     | 20            |         |
|          | NME   | 18UCSN31     | Introduction to Computers           | 20            |         |
|          | Self Study Course/ On-line Course / Internship (Optional) | 18UCSSS1     | Web Designing with HTML             | 10            |         |
| Sem IV   | Core V  | 18UCSC41     | Python Programming                  | 100           |         |
|          | Core VI   | 18UCSC42     | RDBMS                               | 80            |         |
|          | Core Practical IV   | 18UCSCR4     | Python Programming Lab              | 100           |         |
|          | Allied IV   | 18UCSA41     | Resource Management Techniques      | 10            |         |
|          | Allied Practical IV                                       | 18UCSAR4     | Web designing Lab                   | 100           |         |
|          | Skill Based Core  | 18UCSS41     | Web Technology                      | 100           |         |
|          | NME   | 18UCSN41     | Introduction to Internet            | 10            |         |
|          | Self Study /On-line Course /Internship (Optional)         | 18UCSSS2     | Mathematical Reasoning              | 100           |         |
| Sem V    | Common core   | 18UCCC51     | Computer Oriented Numerical Methods | 100           |         |
|          | Core VII  | 18UCSC51     | Operating Systems                   | Nil           |         |
|          | Core VIII   | 18UCSC52     | Programming with PHP and MySQL      | Nil           |         |
|          | Core integral I   | 18UCSI51     | Data Mining                         | Nil           |         |
|          | Core Practical V  | 18UCSCR5     | PHP & MySQL Lab                     | 20            |         |
|          | Self study/ on-line course (compulsory)                   | 18UCSSS3     | ASP.NET                             | 20            |         |
| Sem VI   | Core IX   | 18UCSC61     | Android Programming                 | 20            |         |
|          | Core X  | 18UCSC62     | Software Engineering                | 30            |         |
|          | Core XI   | 18UCSC63     | Computer Networks                   | 20            |         |
|          | Core Integral II  | 18UCSI61     | Cloud Computing                     | 40            |         |
|          | Core practical VI   | 18UCSCR6     | Android Programming Lab             | Nil           |         |

**PG Computer Science**  
**Percentage of Revision-Semester I and II**

| <b>Subject Code</b> | <b>Title of the Paper</b>                     | <b>% of Revision</b> | <b>Average</b> |
|---------------------|---|----------------------|----------------|
| 19PCSC11            | Design and analysis of algorithms             | Nil                  | 67%            |
| 19PCSC12            | J2EE  | 100                  |                |
| 19PCSC13            | Mathematical Foundations for computer science | 20                   |                |
| 19PCSC14            | Advanced computer architecture                | Nil                  |                |
| 19PCSC15            | Neural Networks                               | 100                  |                |
| 19PCSCR1            | J2EE Lab                                      | 100                  |                |
| 19PCSCR2            | Design and analysis of algorithm lab          | Nil                  |                |
| 19PCSC21            | DDBMS   | 100                  |                |
| 19PCSC22            | .Net framework                                | 100                  |                |
| 19PCSC23            | Data Mining & R Programming                   | 20                   |                |
| 19PCCC21            | Digital Image Processing                      | 100                  |                |
| 19PCSC24            | Advanced Computer Networks                    | 100                  |                |
| 19PCSCR3            | Data Mining Lab (R Lab)                       | 100                  |                |

**University Nominee**

**Dr. V. Subha**

Assistant Professor

Department of Computer Science & Engineering

Manonmaniam Sundarnar University

Tirunelveli - 627012.

Mob.No. 9486480605

email.id : [subha\\_velappan@yahoo.co.in](mailto:subha_velappan@yahoo.co.in)

*[Signature]*  
16/2/19

**Subject Experts:**

**Dr. S. Sethuramalingam**

Associate Professor & Head

Department of Computer Science

Aditanar college of Arts and science

Virapandiapatnam

Tiruchendur-628216

Phone No.: 9488069407

*[Signature]*

**Dr. Mrs. P. Velymani,**

Assistant Professor of Computer Science

M.D.T Hindu college,

Tirunelveli-627010

Phone No:9489127283

*[Signature]*  
16/2/19

**Alumnae**

**Mrs. A. Dhana Praveena**

Asst.Professor in Dept of Comp.science

St.Xaviers College,Palayamkottai.

Phone No. : 9791833368

*[Signature]*  
16/2/19

**Internal members**

**Ms. S. Gnanathangam,**

Associate Professor and Head,

Department of Computer Science,

St. Mary's College(Autonomous),

Thoothukudi - 1.

*[Signature]*  
16/2/19

**Ms. J. Anila Maily,**

Associate Professor,

Department of Computer Science,

St. Mary's College(Autonomous),

Thoothukudi - 1.

*[Signature]*

**Ms. M. Jothimani,**

Associate Professor,

Department of Computer Science,

St. Mary's College(Autonomous),

Thoothukudi - 1.

*[Signature]*

**Ms. S. Andrews Felicita,**

Assistant Professor,

Department of Computer Science,

St. Mary's College(Autonomous),

Thoothukudi - 1.

*[Signature]*  
16/02/19

**Sr. A. Sahaya Mercy,**

Assistant Professor,

Department of Computer Science,

St. Mary's College(Autonomous),

Thoothukudi - 1.

*[Signature]*  
16/02/19



**Ms. F. Ludyma Fernando,**  
Assistant Professor,  
Department of Computer Science(SSC),  
St. Mary's College(Autonomous),  
Thoothukudi - 1.

*Ludyma Fernando* 7  
16/2/17

**Ms. S. Mary Selvi,**  
Assistant Professor,  
Department of Computer Science(SSC),  
St. Mary's College(Autonomous),  
Thoothukudi - 1.

*Mary Selvi*

**Ms. A. Rosal Marcina Fernando,**  
Assistant Professor,  
Department of Computer Science(SSC),  
St. Mary's College(Autonomous),  
Thoothukudi - 1.

*Rosal*

**Student Representative**

**Ms. P. SethuLakshmi**  
III. B.Sc. Computer Science,  
St. Mary's College(Autonomous),  
Thoothukudi.

*P. SethuLakshmi*

**Ms. K. Shynikayathri,**  
II.M.Sc. Computer Science,  
St. Mary's College(Autonomous),  
Thoothukudi.

*K. Shynikayathri*

**St. Mary's College (Autonomous), Thoothukudi**

**Minutes of the Board of Studies Meet**

**Department of MHRM**

The Board of Studies Meeting of the Department of Human Resource Management was held on 23<sup>rd</sup> February 2019 at 10.30 am in the HRM Department.

**No. of members present**

External Experts: 3

Internal Members: 4

The Chairperson Dr.Mary Judith Reene Fernando, Associate Professor of Commerce and Coordinator of MHRM welcomed and introduced the Board of Studies Members. The following members expressed their inability to attend the meeting:

1. Dr.Kingslin, Associate Professor, Noorul Islam University, Kumarakoil.
2. Dr. Bini , Associate Professor, Scott Christian College, Nagercoil.
3. Mrs. M. Lakshmi Preethi, Franchisee – World of Titan , Palayamkotai, Tirunelveli Dt

**Agenda Discussion**

The Chairperson presented the agenda and invited the members for discussion.

**Agenda Item No.1**

**I & II P.G. Syllabi**

The new Syllabi for the year 2019 – 2021 were placed before the board for discussion and the following modifications were suggested.

| Semester | Course  | Recommendations/Modifications suggested  |
|----------|---|--|
| I        | Core III- Human Resource Planning and Development | Course to be moved to Semester II as Core VIII   |
| II       | Core VIII- Accounting for Managers                | Course be moved to Semester I as Core III (Rearrange Units)<br>Unit I to include basis of accounting.<br>Contents of Unit II be deleted. |

|     |  |   |
|-----|--|---|
| III | Core XIII - Management Information System                          | Course be moved to Semester IV as Core XIX and renamed as 'Human Resource Information System' and syllabus be reframed. |
|     | Core XIV – Wage and Salary Administration                          | Course be renamed as 'Compensation Management' and syllabus be reframed.  |
|     | Core XVIII-Strategic Management                                    | Course Syllabus be reframed.  |
|     | Elective I – Communication for Managers                            | Course be removed from the syllabus and replaced by new course 'Performance Management'                                 |
|     | Elective 1- Ethics, Corporate Social Responsibility and Governance | Course syllabus be reframed.  |
|     | Elective -2 Managerial Economics                                   | Managerial Economics syllabus be reframed.  |
| IV  | Core XIX – Research Methodology                                    | Course be moved to semester III as core XIII  |
|     | Elective IV – Industrial Counselling                               | Course be renamed as 'Coaching and Mentoring' and syllabus be reframed.   |

### Agenda Item No.2

Mandatory MOOC course for P.G (one course every year)

The mandatory MOOC course was accepted and approved.

The syllabus and course structure was acknowledged and approved by the Board.

The meeting ended with the vote of thanks by Dr Mary Judith Reene Fernando. .

**ST. MARY'S COLLEGE (AUTONOMOUS) THOOTHUKUDI**

**Master of Human Resource Management**

~~Course~~ Structure

2019 -2020

**SEMESTER I**

| Subject  | Subject Code | Title of the Paper                        | Contact Hours / Week | Credits | Details of changes | Percentage of revision |
|----------|--------------|---|----------------------|---------|--------------------|------------------------|
| Core I   | 19PHRC11     | Principles of Management                  | 6                    | 4       | No change          | —                      |
| Core II  | 19PHRC12     | Fundamentals of Human resource Management | 6                    | 4       | No change          | —                      |
| Core III | 19PHRC13     | Accounting for Managers                   | 6                    | 4       | No change          | —                      |
| Core IV  | 19PHRC14     | Psychology for Human Resource Management  | 6                    | 4       | No change          | —                      |
| Core V   | 19PHRC15     | Industrial Relations                      | 6                    | 4       | No change          | —                      |
|          |              | Total                                     | 30                   | 20      |                    | —                      |

**SEMESTER – II**

| Subject               | Subject Code | Title of the Paper                      | Contact Hours / Week | Credits | Details of changes | Percentage of revision |
|-----------------------|--------------|---|----------------------|---------|--------------------|------------------------|
| Core VI               | 19PHRC21     | <del>Organisational Behaviour</del>     | 4                    | 4       | No change          | —                      |
| Core VII              | 19PHRC22     | Labour Legislations                     | 6                    | 4       | No change          | —                      |
| Core VIII             | 19PHRC23     | Human Resource Planning and Development | 6                    | 4       | No change          | —                      |
| Core IX               | 19PHRC24     | Recruitment and Selection               | 6                    | 4       | No change          | —                      |
| Core X                | 19PHRC25     | Total Quality Management                | 4                    | 4       | No change          | —                      |
| Core XI Practical – I | 19PHRCR1     | Soft Skill Development                  | 4                    | 2       | No change          | —                      |
| MOOC                  | 19PHMO21     |   |                      |         |                    |                        |
|                       |              | Total                                   | 30                   | 22+2    |                    | —                      |

It is mandatory for students to complete one MOOC during the first year of study.  
(19PHRM21) 2 credits



## Members of the Board of Studies

### External Members

1. Dr. G. Ilankumaran, Assistant Professor of Management, Alagappa Institute of Management, Alagappa University Karaikudi.
2. Dr. C. L. Jeba Melvin, Nesamony Memorial Christian College, Marthandam.
3. Annette Roy, Assistant Professor, Department of Commerce, St. Mary's College (Autonomous), Thoothukudi.

*[Signature]*  
23/02/19

*[Signature]*  
23/2/19

*Annette Roy*

### Internal Members

1. Dr. Mary Judith Reene Fernando, Associate Professor of Commerce and Coordinator of MHRM, St. Mary's College (Autonomous), Thoothukudi.
2. Dr. R. Initha Rina, Assistant Professor of MHRM, St. Mary's College (Autonomous), Thoothukudi.
3. Mrs. M. Monisha, Assistant Professor of MHRM, St. Mary's College (Autonomous), Thoothukudi.
4. Ms. A. Rashitha Banu, Assistant Professor of MHRM, St. Mary's College (Autonomous), Thoothukudi.

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*