



**CMS COLLEGE OF SCIENCE AND
COMMERCE (AUTONOMOUS)
CHINNAVEDAMPATTI,
COIMBATORE 641 049, TAMILNADU**

NAAC -SSR CYCLE -IV

CURRICULAR ASPECTS

CRITERION – I-

1.2 Academic Flexibility


ACADEMIC YEAR – 2022-2023

MINUTES OF BOARD OF STUDIES

S.NO	NAME OF THE PROGRAMME	PROGRAMME CODE	
1	DEPARTMENT OF COMMERCE	BACHELOR OF COMMERCE	BCM
		BACHELOR OF COMMERCE WITH ACCOUNTING & FINANCE	BCAF
		BACHELOR OF COMMERCE WITH COMPUTER APPLICATIONS	CCA
		BACHELOR OF COMMERCE WITH PROFESSIONAL ACCOUNTING	BCPA
		MASTER OF COMMERCE	MCM
		MASTER OF COMMERCE INTERNATIONAL BUSINESS	MIB
2	DEPARTMENT OF COMPUTER APPLICATIONS	BACHELOR OF COMPUTER APPLICATIONS	BCA
		BACHELOR OF SCIENCE -DIGITAL & CYBER FORENSIC SCIENCE	BDC
		MASTER OF COMPUTER APPLICATIONS	MCA
3	DEPARTMENT OF COMPUTER SCIENCE	BACHELOR OF SCIENCE IN COMPUTER SCIENCE	BCS
		MASTER OF SCIENCE IN COMPUTER SCIENCE	MCS
		MASTER OF SCIENCE IN DATA ANALYTICS	MDA
4	DEPARTMENT OF INFORMATION TECHNOLOGY	BACHELOR OF SCIENCE IN COMPUTER TECHNOLOGY	BCT
		BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY	BBIT
		BACHELOR OF SCIENCE IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	BAI
		MASTER OF SCIENCE IN INFORMATION TECHNOLOGY	MIT

S.NO	NAME OF THE PROGRAMME	PROGRAMME CODE
5	DEPARTMENT OF CATERING SCIENCE AND HOTEL MANAGEMENT	BACHELOR OF SCIENCE IN CATERING SCIENCE AND HOTEL MANAGEMENT BCH
6	DEPARTMENT OF ELECTRONICS	BACHELOR OF SCIENCE IN ELECTRONICS AND COMMUNICATION SYSTEMS BEL
		MASTER OF SCIENCE IN APPLIED ELECTRONICS MEL
7	DEPARTMENT OF ENGLISH LITERATURE	BACHELOR OF ARTS IN ENGLISH LITERATURE BAE
		MASTER OF ARTS IN ENGLISH LITERATURE MAE
8	DEPARTMENT OF MANAGEMENT	BACHELOR OF BUSINESS ADMINISTRATION BBA
		BACHELOR OF BUSINESS ADMINISTRATION WITH COMPUTER APPLICATIONS BACA
9	DEPARTMENT OF MATHEMATICS	BACHELOR OF SCIENCE IN MATHEMATICS BSM
		MASTER OF SCIENCE IN MATHEMATICS MSM
10	DEPARTMENT OF PHYSICAL EDUCATION	BACHELOR OF SCIENCE IN PHYSICAL EDUCATION BPHS
11	DEPARTMENT OF SOCIAL WORK	MASTER OF SOCIAL WORK MSW
12	DEPARTMENT OF PSYCHOLOGY	BACHELOR OF SCIENCE IN PSYCHOLOGY BPSY
13	DEPARTMENT OF FOOD SCIENCE AND NUTRITION	BACHELOR OF SCIENCE IN FOOD SCIENCE & NUTRITION BFSN
14	DEPARTMENT OF CRIMINOLOGY	BACHELOR OF ARTS IN CRIMINOLOGY BAC
15	LANGUAGES	T/M/H/F
16	SCHOOL OF BIOLOGICAL SCIENCES	BIOCHEMISTRY BBC/MBC
		BIOTECHNOLOGY BBT/MBT
		MICROBIOLOGY BMY/MMY
		APPLIED MICROBIOLOGY MAMY



ATTESTED

PRINCIPAL
C.M.S. College of Science & Commerce
Chianavedampatti,
Coimbatore - 641 049



CMS COLLEGE OF SCIENCE AND COMMERCE

Affiliated to Bharathiar University, NAAC: Re-Accredited at the "A+" Level

CHINNAVEDAMPATTI, COIMBATORE – 641 049.

NAAC – SSR

Criterion – 1- Curricular aspects

Cycle-IV

Academic flexibility

DEPARTMENT OF COMMERCE

CMS COLLEGE OF SCIENCE AND COMMERCE (AUTONOMOUS), COIMBATORE
Affiliated to Bharathiar University, Accredited at the 'A+' level by NAAC with 3.38 out of 4
(3rd Cycle)

College with Potential For Excellence Conferred by UGC, New Delhi.
Recognized under Star College of DBT, Ministry of Science and Technology, Govt. of India
Chinnavedampatti, Coimbatore - 641 049

Phone No: 0422-2666465, Mobile No: +91 7358973922, Email: info@cmscbe.com
Website: www.cmscbe.com

Academic Year: 2022-2023 (Board of Studies Meeting: I)

The meeting of the Board of Studies in Commerce Undergraduate Programme (UG) was conducted on 20th July 2022 at 10:00 am-

BOARD OF STUDIES I-UG COMMERCE 2022-23

Venue: Athena Hall

Wednesday, July 20 - 10.00 am

The following members were present:

Chairman : ~~Dr. K. Vanaja~~ Dr. M. GOMATHESWARAN

Members :

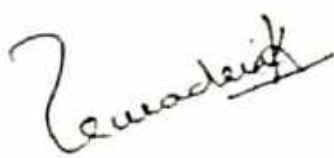
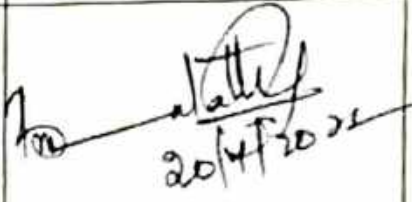

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20/7/22

S. No	Member Name	Category	Signature
1.	Dr. Brindha Associate Professor and Head, Department of Commerce (PA) Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore-641049.	University Representative	<i>[Signature]</i> 24/7/22
2.	Dr. R. Velmurugan Associate Professor , Department of Commerce Karpagam Academy of Higher Education Coimbatore 641021	Subject Expert -Other University	<i>[Signature]</i> 20/7/22
3.	Dr. K. Vanaja Professor & Head , Department of B.Com PA Dr. NGP College of Arts and Science Kalapatti Coimbatore	Subject Expert	<i>[Signature]</i> 20/7/22



[Signature]
PRINCIPAL

C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049

5.	Dr. K. Umadevi Head & Professor, Department of B.Com PA/B.Com AF/M.Com IB CMS College of Science and Commerce Coimbatore	Member (Internal)	
6.	Dr. B.V.Hemalatha Head & Professor, Department of B.Com CA/B.Com BA/M.Com FC CMS College of Science and Commerce Coimbatore	Member (Internal)	
7.	Dr.Jisha.N Associate Professor of Commerce Department of B.Com CA/B.Com BA/M.Com FC CMS College of Science and Commerce Coimbatore	Member (Internal)	

 20/07/22

Chairman / Chair Person (BOS)

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of III semester of the UG Programmes for the students admitted during the academic year 2021 - 2022 were approved.
2. The syllabi of I & II semester of the UG Programmes for the students admitted during the academic year 2022 - 2023 were approved along with 2022 Scheme.
3. Professional English has been removed from all the UG Stream.
4. Commercial Practices -CLP has been introduced for 2022 batch -for all UG Stream in the third semester with extra credit -2
5. Inter Disciplinary Course-IDC has been introduced for 2022 batch - for all UG stream in the fourth Semester with extra credit-2
6. The Board members suggested implementing Institutional training programme for UG students and Internship programme for both UG and PG.
7. The board has suggested reducing the credit points for computer practical courses.
8. Elective List for all UG has been regrouped with new course title and the board has suggested offering the groups as open choice for all commerce UG Students.

B.Com 2022 batch

New courses have been introduced in the respective semesters-52%. The board has approved scheme for 2022 batch.

- 1) In the first semester -Core I- Accountant in Business has been replaced with the title "Principles of Accounting".
- 2) In the second semester – Core VI- Computer Practical II- Tally has been replaced as Computer Practical II- Tally and HTML
- 3)In the third semester-
 - 1) Core VII- Corporate and Business Law has been replaced with Commercial law as Core IX.
 - 2) Allied III- Economic Development of India has been replaced with "Micro Economics".
 - 3) Core IX – Goods and Service Tax has been shifted to the sixth semester as Core XVIII.
- 4)In the fourth semester –
 1. Core XII- Company Law and Secretarial Practices has been introduced.
 2. Allied IV- Managerial Economics has been replaced with "Macro Economics".
 3. Skilled Based Course (SBC) II- Executive Communication has been replaced with a Practising Workshop & Communication Skills.
 4. Inter Disciplinary Course – Technology Empowered Marketing has been introduced in the fourth semester.
5. In Fifth semester
 1. Core-XII- Performance Management has been removed.
 2. Income Tax Law and Practice has been shifted from sixth semester to fifth semester and title has been changed.(Taxation to Income Tax Law and Practices).

3. Banking Law and Practices has been shifted from semester V to Semester VI as Core XVII.
4. Core XIX- Project Work-Viva and Voce has been shifted from sixth semester to fifth semester as Core XVI- Project.

In the Sixth Semester –

1. Cost Accounting has been shifted from third semester to sixth semester as Core XVII.
2. Contemporary Auditing has been retitled as " Auditing and Assurance " and syllabus content have been restructured.
3. Skilled Based Course IV- Project Management has been replaced with Micro finance.

B.Com 2021

The Syllabus content was discussed with minor changes.

B.Com BPS 2022 Batch

New courses have been introduced in the respective semesters-52%. The board has approved scheme for 2022 batch.

1. In the first semester -Core I- Accountant in Business has been replaced with the title "Business Accounting-I".
2. 2)In the Second Semester- Core IV- "Financial Accounting" has been retitled with the " Business Accounting –II".
3. In the second semester – Core VI- Computer Practical II- Tally has been replaced as Computer Practical II- Tally and HTML.

In the third semester-

1. Core VIII- Cost and Management Accounting has been introduced for B.Com BPS- 2022 batch.
2. Core VII- Corporate and Business Law has been replaced with Commercial
3. law as Core IX.
4. Core IX- Goods and Service Tax has been shifted to Sixth semester as Skilled based Course.
5. Allied III- Economic Development of India has been replaced with " Business Economics".

In the fourth Semester-

1. Core X- Management Accounting has been removed instead it is two core course cost accounting and management accounting has been merged to one single paper as Cost and Management Accounting in the third semester.
2. Core XI- Banking for Business Process Services has been shifted to third semester.
3. Core XII – Business Regulatory and Framework has been introduced.
4. Core X- Insurance for Business Process Services has been shifted to fourth semester.
5. Core XI- Labour Law and Employee Relations has been introduced.
6. Allied IV- Managerial Economics has been replaced with "Technology Management".

In the fifth semester-

1. Core XIII- Capital Markets for Business Process Services has been shifted from sixth semester to fifth semester.
2. Core XIX- Project Work-Viva and Voce has been shifted from sixth semester to fifth semester as Core XVI- Project.
3. Income Tax Law and Practice has been shifted from sixth semester to fifth semester and title has been changed.(Taxation to Income Tax Law and Practices).

In the Sixth Semester:

1. Managing Business Processes has been introduced in the sixth as Core XVII.
2. Goods and Service Tax has been shifted from third semester to sixth semester.
3. Core XIX- Auditing and Corporate Governance has been introduced.

B.COM PA

New courses have been introduced in respective semesters. (31% change) The Board has approved the scheme for 2022 Batch.

SEMESTER I

CORE I - The course title Accountant in Business has been changed as Financial Accounting I with content change.

CORE II – Principles of Management has been replaced with Business Management and Organization Behaviour.

ALLIED I – Quantitative Techniques I is retitled as Mathematics for Business.

SEMESTER II

CORE IV - Financial Accounting is retitled as Financial Accounting II.

CORE V - Principles of Marketing has been replaced with Modern Marketing with new marketing concepts.

CORE VI – Along with Tally, HTML is also included.

ALLIED II –Quantitative Techniques II is replaced with Business Statistics.

SEMESTER III

CORE VII – Corporate and Business Law is divided into two courses as follows:

Core IX – Legal aspects of Business and

Core XII – Company Law and Secretarial Practice

CORE VIII – Higher Financial Accounting has been retitled as Advanced Financial Accounting (Core VII)

CORE IX – GST has been shifted to Core XVIII

ALLIED III – Management Information System has been replaced with **Micro Economics**.

SEMESTER IV

ALLIED IV – Managerial Economics has been replaced with **Macro Economics**.

Inter Disciplinary Courses (IDC) have Been Introduced in Alliance with Food Science and Nutrition Department, course titled Food Establishments and Institutional Financial management in the IV semester.

SEMESTER V

CORE XIV Human Resource Management has been introduced as new elective course.

SEMESTER VI

CORE XVI – Taxation is renamed as Income Tax Law and Practice shifted to Semester V.

CORE XVII – Cost Accounting is shifted to CORE VIII in Semester III.

CORE XVIII – Contemporary Auditing has been converted as Skill Based Course (64S) and 64S SBC Executive Communication and Business Ethics has been shifted to Core XVII.

Electives: List of Group Elective

Courses	Group A	Group B	Group C	Group D
Elective I	Consumer Rights and Education	Office Automation	Human Resource Management	Retail Marketing
Elective II	Industrial Law Industrial Relations	Introduction to Networking	Customer Relationship Management	Service Marketing
Elective III	Cyber Law	Digital Banking	Change Management	Digital Marketing
Elective IV	Intellectual Property Rights	E – Commerce Technology	Strategic Management	International Marketing

B.COM A&F

New courses have been introduced in respective semesters. (25% change) The Board has approved the scheme for 2022 Batch.

SEMESTER I

CORE I - The course title Accountant in Business has been retitled as Accountancy I with content change.

CORE II – Principles of Management has been replaced with Business Organization and Management.

ALLIED I – Quantitative Techniques I is retitled as Mathematics for Business.

SEMESTER II

CORE IV - Financial Accounting is retitled as Accountancy II with content change.

CORE V - Principles of Marketing has been retitled and shifted to Allied III in Semester III as Marketing Management. Instead **Business Finance** has been introduced core V

CORE VI – Along with Tally, HTML is also included.

ALLIED II –Quantitative Techniques II is retitled as Business Statistics.

SEMESTER III

CORE IX – GST has been shifted to Core XVIII in Semester VI.

ALLIED III – Financial Markets and Services has been split into two core papers. Namely

CORE XII – Financial Markets and Institutions.

CORE XIX – Financial Services.

Instead Marketing Management is introduced as Allied III.

SEMESTER IV

CORE XI – Corporate Accounting I is retitled as Corporate Accounting in Core X.

ALLIED IV – Managerial Economics retitled as Economics for Managers with change in course contents.

Inter Disciplinary Courses (IDC) have Been Introduced in Alliance with Department of Food Science and Nutrition, the course title being **Food Establishments and Institutional Financial management**.

SEMESTER V

CORE XII - Performance Management has been removed

CORE XIII - Corporate Accounting II is retitled as Higher Corporate Accounting

SEMESTER VI

CORE XVI – Taxation is retitled as Income Tax Law and Practice and shifted to Semester V as Core XIV

CORE XVII – Cost Accounting has been shifted to Semester III as Core VIII

CORE XVIII – Contemporary Auditing has been converted as Skill Based Course IV and Working Capital Management is removed. Financial Management Syllabus would include Working Capital Management one unit.

New Course **Banking and Insurance** has been introduced as Core XVII

CMS COLLEGE OF SCIENCE AND COMMERCE (AUTONOMOUS)

DEPARTMENT OF B.COM CA

MINUTES OF BOS [20/07/2022]

- ❖ The following new courses has been introduced in the syllabus
 - 1) Introduction to information technology – 1st Semester
 - 2) Business Management and Ethics – 2nd Semester
 - 3) Entrepreneurial development– SBS – 5th Semester
- ❖ Changes have been made in the following Elective Courses:
 - Elective I – Office Automation
 - Elective II – Introduction to Networking
 - Elective III-Digital Banking
- ❖ We have added Tally in Computer Application Practicals-I
- ❖ Third semester Corporate and Business Law replaced by Principles of Marketing.
- ❖ Skill based courses has been changed
 - 1) Fifth semester skill based subject Management Information System is shifted to Sixth semester.
 - 2) Sixth semester Banking and Insurance Law has been replaced by Management Information System .
- ❖ The flowing courses – Core title has been changed in this academic year
 - 1) Accountant in Business – Principles of Accountancy
 - 2) Taxation – Income Tax Law and Practice
- ❖ The following subjects has been shifted :
 - 1) Fourth semester Management Accounting – VI Semester
 - 2) Fifth semester Corporate Accounting Shifted from IV semester
 - 3) Cost Accounting Elective paper added in Core.
 - 4) Performance Management replaced by Project and Viva Voce.
 - 5) Financial Psychology , interdisciplinary course has been introduced.

B.COM BA

Scheme and syllabus of B.COM(Business Analytics) 2022 batch has been approved by the Board

Handwritten signature and date
20/7/22
Chairman

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(DR. B. V. HEMALATHA)

Board of Studies for the Academic year 2022-23 dated 20/07/2022-Panel for Advisory Committee for UG and PG

An Advisory Committee has been framed and the suggestions given by them were incorporated in the syllabus accordingly and presented for Board of Studies Meeting.

The Committee consists of:

1. Dr.T. Srinivasan- UG Board

Professor of Commerce

Annamalai University

Annamalai Nagar - 608 002

Tamil Nadu - INDIA

Phone Number: +91 944 200 6295

E-mail Id: commercevasan@gmail.com

2. Dr Prakash- UG Board

Assistant Professor and Programme Coordinator- BCom Morning,

School of Commerce Finance and Accountancy,

CHRIST Deemed to be University,

Bengaluru-29, India

Phone Number: 9600204300

E-mail Id: prakash.malliasamy@gmail.com

3. Dr. K. Alamelu –PG Board

Professor & Head- Department of Banking Management

Head i/c - Department of Tourism and Hotel Management

Alagappa University

Karaikudi 630 004

Tamil Nadu, India

Phone Number: 9787328309

E-mail Id: alakkn@gmail.com

Electives for the Academic Year 2022-2023- Commerce Board-UG

List of Elective Courses- UG Commerce

<i>Courses & Semester</i>	<i>Group A</i>	<i>Group B</i>	<i>Group C</i>	<i>Group D</i>
Elective I / Semester I	Consumer Rights and Education	Office Documentation	Human Resource Management	Retail Marketing
Elective II / Semester II	Industrial Relations	Introduction to Network	Customer Relationship Management	Service Marketing
Elective III / Semester III	Cyber Law	E-Commerce Technology	Change Management	Digital Marketing
Elective IV / Semester IV	Intellectual Property Rights	Digital Banking	Strategic Management	International Marketing

CMS College of Science & Commerce(Autonomous)

Chinnavedampatti, Coimbatore- 641 049

Boards of Studies-II Member List

Academic Year – 2022 -2023

Name of the Board : UG –Commerce Board

BOS Meeting Date :04.01.2023

Time: 10.00 pm

S.No.	Member Name	Category	Designation& Address
1.	Dr. M. Gomatheeswaran	Chairman	Head & Professor, Department of B.Com/B.Com BPS/M.Com CMS College of Science and Commerce Coimbatore.
2.	Dr. K.Brindha	University Representative	Associate Professor and Head, Department of Commerce (PA) Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore-641049.
3.	Dr. R. Velmurugan	Subject Expert- other university	Associate Professor , Department of Commerce Karpagam Academy of Higher Education Coimbatore 641021
4.	Dr.K.Vanaja	Subject Expert	Professor & Head , Department of B.Com PA Dr.NGP College of Arts and Science Kalapatti Coimbatore
5.	Dr.V. Srinivasa Giri	Industrial Expert	Hydro Prokav Pumps(India) Pvt Ltd., D.No- 1/18,1/18-1,1/18-2, Palladam Main Road, Othakkalmandapam, Coimbatore-641032, Tamil Nadu, India

6.	Dr. Kumaresan A	Alumni	Associate Professor & Head-B.Com (AM) School of Commerce & International Business, Dr.G.R.Damodaran College of Science Coimbatore-641014.
7.	Dr.K.Umadevi	Member (Internal)	Head & Associate Professor Department of B.Com PA/ AF & MIB, CMS College of Science and Commerce, Chinnavademapatti , Coimbatore-641049.
8.	Dr. B.V.Hemalatha	Member (Internal)	Head & Professor, Department of B.Com CA/B.Com BA/M.Com FC CMS College of Science and Commerce Coimbatore.
9.	Dr.N.Jisha	Member (Internal)	Associate Professor of Commerce Department of B.Com CA/B.Com BA/M.Com FC CMS College of Science and Commerce Coimbatore.
10.	Ms.Athira. S	Member(Student)	III B.Com (2020 Batch)

M. Somathi

Dr. M. Gomatheeswaran
Signature of the Chairman

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Website: www.cmscbe.com

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Commerce Undergraduate Programme (UG) was conducted on 4th January 2023 · 10.00 am-

BOARD OF STUDIES II-UG COMMERCE 2022-23

Venue: Athena Hall


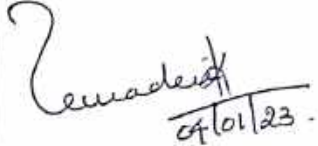
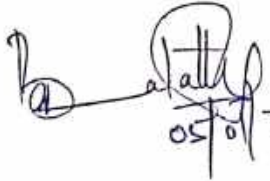


Wednesday, 4th January 2023 · 10.00 am

The following members were present:

Chairman : Dr.M.Gomatheeswaran

Members :

S.N	Member Name	Category	Signature
1.	Dr. Brindh: Associate Professor and Head, Department of Commerce (PA) Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore-641049.	University Representative	<i>K. Pr...</i> 04/01/23
2.	Dr. R. Velmurugan Associate Professor , Department of Commerce Karpagam Academy of Higher Education Coimbatore 641021	Subject Expert -Other University	-
3.	Dr.K.Vanaja Professor & Head , Department of B.Com PA Dr.NGP College of Arts and Science Kalapatti Coimbatore	Subject Expert	<i>[Signature]</i> 4/1/23
4.	Dr.V. Srinivasa Giri Hydro Prokav Pumps(India) Pvt Ltd., D.No- 1/18,1/18-1,1/18-2, Palladam Main Road, Othakkalmandapam,	Industrial Expert/Employer	-

	Coimbatore-641032, Tamil Nadu, India		
5	Dr. Kumaresan A Associate Professor & Head- B.Com (AM) School of Commerce & International Business, Dr.G.R.Damodaran College of Science Coimbatore-641014.	Alumni	 4/1/23
6	Dr.K.Umadevi Head & Associate Professor Department of B.Com PA/ AF & MIB, CMS College of Science and Commerce, Chinnavademapatti , Coimbatore- 641049.	Member (Internal)	 04/01/23
7	Dr. B.V.Hemalatha Head & Professor, Department of B.Com CA/B.Com BA/M.Com FC CMS College of Science and Commerce Coimbatore.	Member (Internal)	 05/01/2023
8	Dr.N.Jisha Associate Professor of Commerce Department of B.Com CA/B.Com BA/M.Com FC CMS College of Science and Commerce Coimbatore.	Member (Internal)	 4/01/2023
9	Ms.Athira. S	Member(Student)- III B.Com (2020 Batch)	

The following resolutions were made in the Board of Studies meeting.

1. The syllabi of II semester of the UG Programmes for the students admitted during the academic year 2022 - 2025 and onwards were approved.
2. The syllabi of IV semester of the UG Programmes for the students admitted during the academic year 2021 - 2024 and onwards were approved.

2022 BATCH - II SEMESTER

- Unit VI - Note - to be given as Internal Evaluation only for all UG Programmes.

Changes common for B. Com / B. Com CA/ B. Com A&F

- Core Paper IV - Financial Accounting / Accountancy II
→ Unit - II - Depreciation - includes Annuity method and Sinking Fund method.

Changes common for B. Com / B. Com PA/ B. Com A&F

Core Paper VIII - Computer Practicals - II: Tally & HTML

- In Tally remove Ratio Analysis and Price List include two basic GST problems.

B. Com

- Core Paper V - Principles of Marketing
→ The entire content to be restructured in the order of 4 P's.

B. Com CA

- Core Paper V - Business Management and Ethics
→ Unit - I - Remove Functions of Management
→ Unit - II - Functions of Management to be given in POSDCORB order

B. Com PA

- Core Paper V - Modern Marketing - have been restructured with 7 P's. - 4 P's to be discussed in respective units in detail.

2021 BATCH - IV SEMESTER

Changes common for B. Com / B. Com CA / B. Com PA / B. Com A&F

- Unit VI - Note - has to be given as Internal Evaluation only for all UG Programmes.
- Core Paper X - Management Accounting
→ Unit I - includes Tools for analysis and Interpretation

- Unit II – Ratio Analysis
- Unit – III - Remove Working Capital
- Unit – IV – Marginal Costing – Budgeting
- Unit – V (Theory Only) – Responsibility Accounting - Management Reporting

Changes common for B. Com / B. Com PA / B. Com A&F

- Core Paper XI – Corporate Accounting – I
 - Accounting Standards (AS) to be included wherever applicable.

B. Com

- Skill Based Course (SBC) II – Executive Communication to be restructured.

B. Com CA

- Core Paper X – Object Oriented Programming with C++
 - Unit I - Delegation – Object Composition – Message Communication – Popular OOPs Languages – Merits and Demerits of OOPs Methodology – Application of OOPs were removed and it is replaced with C++ Applications
 - Unit II – Expressions and Implicit Conversions were removed
 - Unit III – Constructors with Default Arguments – Copy Constructor – Dynamic Constructor were deleted and added Constructors
 - Unit IV – Virtual Functions – Pure Virtual Function –Pointer to Derived Classes were deleted
 - Unit V - C++ Streams — Unformatted I/O Operation were deleted

B. Com PA

- Elective - II – Principles of Banking and Insurance
 - Unit III – to be restructured

B. Com A&F

- Elective II – International Marketing
 - Unit I – Remove difference between Domestic and International Marketing
 - Unit V – includes - NCTI (National Centre for Trade information) - EXIM policy – Importer-Exporter Code
- Skill Based Course (SBC) II – Executive Communication and Commerce Documentation
 - Each unit includes the respective documents

M. Somathi
Chairman (BOS)

S.N	Member Name	Category	Signature
1.	Dr.M.Gomatheeswaran Associate Professor and Head	Chairman	M. Somathi
2.	Dr. Brindha Associate Professor and Head,	University Representative	K. Mm 04/01/23
3.	Dr. R. Velmurugan Associate Professor ,	Subject Expert -Other University	-
4	Dr.K.Vanaja Professor & Head ,	Subject Expert	04/1/23
5	Dr.V. Srinivasa Giri CEO Hydro Prokav Pumps(India) Pvt Ltd.,	Industrial Expert/Employer	-
6	Dr. Kumaresan A Associate Professor & Head- B.Com (AM)	Alumni	04/1/23
7	Dr.K.Umadevi Associate Professor and Head	Member (Internal)	04/01/23.
8	Dr. B.V.Hemalatha Associate Professor and Head	Member (Internal)	04/01/2023
9	Dr.N.Jisha Associate Professor	Member (Internal)	
10	Ms.Athira. S	Member(Student)- III B.Com (2020 Batch)	

	Member Name	Category	Signature
1.	Dr.K.Umadevi Head & Associate Professor Department of B.Com PA/ AF & MIB, CMS College of Science and Commerce, Chinnavademapatti , Coimbatore-641049	Chairman	<i>Umadevi</i> 24/01/2023
2.	Dr. R. Jayachandran Principal & Associate Professor, Department of Commerce, Puratchi Thalaivi Amma Government Arts and Science College	University, Representative	<i>R. Jayachandran</i> 04/01/2023
3.	Dr. K. Kanniammal Professor, Department of Commerce Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore-641043	Subject Expert- other university	<i>K. Kanniammal</i> 4/1/2023
4.	Dr. S. Dhanraj Associate Professor & Head School of Commerce Dr.G.R.Damodaran College of Science Coimbatore-641014	Subject Expert	
5.	Dr. R. Ganeshmurthi Head- HR & CI Relations Corporate Link Asia 1/ 1050, Mani Nagar, K N Palayam, Coimbatore Tamil Nadu	Industrial Expert	<i>R. Ganeshmurthi</i> 4/1/2023
6.	Dr. Ravishankar C Associate Professor in Commerce Department of Commerce Dr.G.R.Damodaran College of Science Coimbatore-641014	Alumni	<i>Ravishankar C</i> 4/1/23
7.	Dr. M. Gomatheeswaran Head & Professor, Department of B.Com/B.Com BPS/M.Com	Member (Internal)	<i>M. Gomatheeswaran</i>
8.	Dr. B.V.Hemalatha Head & Professor, Department of B.Com CA/B.Com BA/M.Com FC	Member (Internal)	<i>B.V. Hemalatha</i> 4/1/2023
9.	Dr. Salini P Associate Professor of Commerce	Member (Internal)	<i>P. Salini</i> 4/1/23
10.	Ms.Pooja Murali	Member(Student)- M.Com IB 2021 Batch	<i>Pooja Murali</i> 4/1/23

1 III REVERSE = 0:

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Recognized under Star College of DBT, Ministry of Science and Technology, Govt. of India
Chinnavedampatti, Coimbatore - 641 049
Phone No: 0422-2666465, Mobile No: +91 7358973922, Email: info@emsce.com
Website: www.emsce.com

Academic Year: 2022-2023 (Board of Studies Meeting: I)

The meeting of the Board of Studies in Commerce Postgraduate Programme (PG) was conducted on 20th July 2022 at 2:00 pm

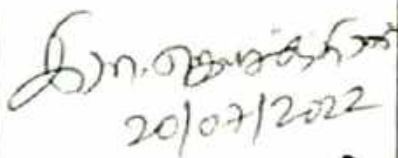
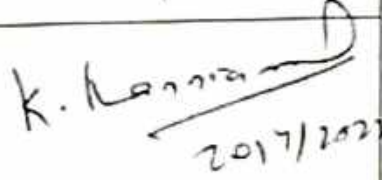


Google Meet: BOARD OF STUDIES I-PG COMMERCE 2021-22
Wednesday, July 20 - 12:50 - 2:20pm

The following members were present:

Chairman : Dr.K.Umadevi

Members :



S.No.	Member Name	Category	Signature
1.	Dr. R. Jayachandran Principal & Associate Professor, Department of Commerce, Puratchi Thalaivi Amma Government Arts and Science College	University Representative	 20/07/2022
2	Dr. K. Kanniammal Professor, Department of Commerce Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore-641043	Subject Expert- other university	 20/7/2022
3	Dr. S. Dhanraj Associate Professor & Head School of Commerce Dr.G.R.Damodaran College of Science Coimbatore-641014	Subject Expert	NOT PRESENT
4	Dr. R. Ganeshmurthi Head- HR & CI Relations Corporate Link Asia 1/ 1050, Mani Nagar, K N Palayam, Coimbatore Tamil Nadu	Industrial Expert	
5.	Dr. Ravishankar C Associate Professor in Commerce Department of Commerce Dr.G.R.Damodaran College of Science Coimbatore-641014	Alumni	 20/7/22

5.	Dr. M. Gomatheeswaran Head & Professor, Department of B.Com/B.Com BPS/M.Com CMS College of Science and Commerce Coimbatore	Member (Internal)	<i>H. S. S.</i> 20/07/22
6.	Dr. B.V.Hemalatha Head & Professor, Department of B.Com CA/B.Com BA/M.Com FC CMS College of Science and Commerce Coimbatore	Member (Internal)	<i>B. V. Hemalatha</i> 20/7/22
7.	Dr . Salini P Associate Professor of Commerce Department of B.Com/B.Com BPS/M.Com CMS College of Science and Commerce Coimbatore	Member (Internal)	<i>P. Salini</i>

M. S. S.

Chairman / Chair Person (BOS)

M.Com

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of I & II semester of the PG Programmes for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
3. The following courses were introduced for the 2022 batch –M.Com :

In the first semester Core III: Information Technology in Business was introduced.

In the third semester Core XII: Internet & E-Commerce was introduced.

In the fourth semester **Core XIV: International Business**, Core XVIII: **Industrial law was introduced.**

4. The elective courses for M.Com 2022 batch were newly introduced.-

Electives: List of Elective Courses

<i>Courses & Semester</i>	<i>Group A</i>	<i>Group B</i>	<i>Group C</i>
Elective I / Semester I	Services Marketing	Financial Markets and Institutions	Domestic Logistics
Elective II / Semester II	Marketing of Financial Services	Indian Stock Exchanges	Chartering and Ship Broking
Elective III / Semester III	Marketing of Health Services	Futures and Options	International Shipping and Logistics

5. In Core IV-**Marketing Management Unit V** has newly introduced topics such as video marketing, Instagram reels,etc.,
6. **In the core viii: computer application in business (practical – i – ms office & internet)- In the MS Excel topics like**

Prepare a demand forecasting for a new Product Life Cycle

Trend analysis

Break Even Chart

Calculation of EPS

Correlation between demand and price of a product.

Preparation of final accounts of a banking company's in new format.

Board of Studies for the Academic year 2022-23 dated 20/07/2022-Panel for Advisory Committee for UG and PG

An Advisory Committee has been framed and the suggestions given by them were incorporated in the syllabus accordingly and presented for Board of Studies Meeting.

The Committee consists of:

1. Dr.T. Srinivasan- UG Board
Professor of Commerce
Annamalai University
Annamalai Nagar - 608 002
Tamil Nadu - INDIA
Phone Number: +91 944 200 6295
E-mail Id: commercevasan@gmail.com

2. Dr Prakash- UG Board
Assistant Professor and Programme Coordinator- BCom Morning,
School of Commerce Finance and Accountancy,
CHRIST Deemed to be University,
Bengaluru-29, India
Phone Number: 9600204300
E-mail Id: prakash.malliasamy@gmail.com

3. Dr. K. Alamelu –PG Board
Professor & Head- Department of Banking Management
Head i/c - Department of Tourism and Hotel Management
Alagappa University
Karaikudi 630 004
Tamil Nadu, India
Phone Number: 9787328309
E-mail Id: alakkn@gmail.com

M.COM IB

The program has been introduced with new courses in respective semesters and the board has approved the scheme for 2022 Batch.

SEMESTER I

Core I – India’s Foreign Trade is replaced with **Financial Accounting**

SEMESTER II

Core V – **Cost and Management Accounting** have been introduced

Core VI – **Logistics and Supply Chain Management** have been introduced

Core VIII - **Computer Application in Business (Practical I) - MS Office and Internet**

SEMESTER IV

Core XV: **Indirect Tax Laws** have been introduced

Core XVII: **Industrial Law** have been introduced

The following new elective courses were introduced in the respective semesters:

Electives: List of Elective Courses

<i>Papers & Semester</i>	<i>Group A</i>	<i>Group B</i>	<i>Group C</i>
Elective I/ Semester I	Financial Markets and Institutions	Services Marketing	Domestic Logistics
Elective II / Semester II	Indian Stock Exchanges	Marketing of Financial Services	Chartering and Ship Broking
Elective III /Semester III	Futures and Options	Marketing of Health Services	International Shipping and Logistics

The elective courses for PG Programmes were newly introduced.-

Electives: List of Elective Courses

<i>Courses & Semester</i>	<i>Group A</i>	<i>Group B</i>	<i>Group C</i>
Elective I/ Semester I	Services Marketing	Financial Markets and Institutions	Domestic Logistics
Elective II / Semester II	Marketing of Financial Services	Indian Stock Exchanges	Chartering and Ship Broking
Elective III /Semester III	Marketing of Health Services	Futures and Options	International Shipping and Logistics

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Boards of Studies II- Member List
Academic Year – 2022 -2023

Name of the Board : PG-Commerce Board

BOS Meeting Date :04.01.2023

Time: 2.00 pm

S.No.	Member Name	Category	Designation& Address
1.	Dr.K.Umadevi	Chairman	Head &Associate Professor Department of B.Com PA/ AF & MIB, CMS College of Science and Commerce, Chinnavademapatti , Coimbatore-641049.
2.	Dr. R. Jayachandran	University Representative	Principal & Associate Professor, Department of Commerce, Puratchi Thalaivi Amma Government Arts and Science College.
3.	Dr. K. Kanniammal	Subject Expert- other university	Professor, Department of Commerce Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore-641043.
4.	Dr. S. Dhanraj	Subject Expert	Associate Professor & Head School of Commerce Dr.G.R.Damodaran College of Science Coimbatore-641014.
5.	Dr. R. Ganeshmurthi	Industrial Expert	Head- HR & CI Relations Corporate Link Asia 1/ 1050, Mani Nagar, K N Palayam, Coimbatore Tamil Nadu.
6.	Dr. Ravishankar C	Alumni	Associate Professor in Commerce Department of Commerce Dr.G.R.Damodaran College of Science Coimbatore-641014.

7.	Dr. M. Gomatheeswaran	Member (Internal)	Head & Professor, Department of B.Com/B.Com BPS/M.Com CMS College of Science and Commerce Coimbatore.
8.	Dr. B.V.Hemalatha	Member (Internal)	Head & Professor, Department of B.Com CA/B.Com BA/M.Com FC CMS College of Science and Commerce Coimbatore.
9.	Dr. Salini P	Member (Internal)	Associate Professor of Commerce Department of B.Com/B.Com BPS/M.Com CMS College of Science and Commerce Coimbatore.
10.	Ms. Pooja Murali	Member(Student)	M.Com IB



(DR.K.UMADEVI)

Signature of the Chairman



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Website: www.cmscbe.com

Academic Year:2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Commerce Postgraduate Programme (PG) was conducted on 4th January 2023 · 2.00 pm

BOARD OF STUDIES II-PG COMMERCE 2022-23

Venue: Athena Hall

Wednesday, 4th January 2023 · 2.00 pm



The following members were present:

The following members were present:

Chairman : Dr.K.Umadevi

Members :

S.No.	Member Name	Category	Signature
1.	Dr. R. Jayachandran Principal & Associate Professor, Department of Commerce, Puratchi Thalavi Amma Government Arts and Science College	University Representative	 04/1/2023
2.	Dr. K. Kanniammal Professor, Department of Commerce Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore-641043	Subject Expert- other university	 4/1/2023
3.	Dr. S. Dhanraj Associate Professor & Head School of Commerce Dr.G.R.Damodaran College of Science Coimbatore-641014	Subject Expert	-
4.	Dr. R. Ganeshmurthi Head- HR & CI Relations Corporate Link Asia 1/ 1050, Mani Nagar, K N Palayam, Coimbatore Tamil Nadu	Industrial Expert	 4/1/2023
5.	Dr. Ravishankar C Associate Professor in Commerce Department of Commerce Dr.G.R.Damodaran College of Science Coimbatore-641014	Alumni	 4/1/2023

6.	Dr. M. Gomatheeswaran Head & Professor, Department of B.Com/B.Com BPS/M.Com CMS College of Science and Commerce Coimbatore.	Member (Internal)	M. Somalath
7.	Dr. B.V.Hemalatha Head & Professor, Department of B.Com CA/B.Com BA/M.Com FC CMS College of Science and Commerce Coimbatore.	Member (Internal)	 04/11/2022
8.	Dr . Salini P Associate Professor of Commerce Department of B.Com/B.Com BPS/M.Com CMS College of Science and Commerce Coimbatore.	Member (Internal)	P.Salini 04/11/2023
9.	Ms.Pooja Murali	Member(Student) - M.Com IB 2021 Batch	 4/11/23

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of II semester of the PG Programmes for the students admitted during the academic year 2022 - 2025 and onwards were approved.
2. The syllabi of IV semester of the PG Programmes for the students admitted during the academic year 2021 - 2024 and onwards were approved.

2022 BATCH

M.Com

1. Elective II - Marketing of Financial Services
 - Unit III - Plastic Card includes Types of Cards - Current trends in Plastic Cards
 - Unit IV - Role of Life Insurance is replaced by Role of Insurance (Life, Fire and Marine)

M.Com IB

1. Core Paper V - Cost and Management Accounting
 - Unit I - Material Shifted to Unit II
 - Unit II - Labour completed removed
2. Elective Paper II - Chartering and Ship Broking
 - Unit II -
Remove Oil Tankers and Voyage Ships
Basic specifications of ships to be changed as Basic layout of Ships
Major International Oil Tanker Companies to be changed as Major International Tramp Companies.
 - Unit III - Remove Types of ships for trade
 - Unit IV - The entire unit be restructured

2021 BATCH

M.Com IB

1. Core Paper XIV - Innovation and Entrepreneurship
 - Unit I - includes Risk involved in Entrepreneurship
2. Core Paper XVI - Cross Cultural Business Management

- Unit III –

Over view with two illustrations from multi-cultural Contexts [India – Europe/ India – US settings, for instance] to be changed as

Over view with **three** illustrations from multi-cultural Contexts [India – Europe, India – UK, Indo – North America settings].

- Unit IV – Global HRM to be removed and replaced by International Cultures: Indo – Asian, Indo – African, Indo – Japan, Indo – China, Indo – Arabian Country cultures.
- Unit V – includes Cultural Shock.

3. Core Paper XVII – International Business Relations

- Unit III and Unit IV to be restructured
- Unit V – To Remove Terrorist regime in Afghanistan and Covid Immunization agenda 2020 – Srilankan Economic Crisis to be replaced by International Economic Crisis.

Chairman (BOS)

	Member Name	Category	Signature
1.	Dr.K.Umadevi Head & Associate Professor Department of B.Com PA/ AF & MIB, CMS College of Science and Commerce, Chinnavademapatti , Coimbatore-641049	Chairman	<i>Umadevi</i> 24/01/2023
2.	Dr. R. Jayachandran Principal & Associate Professor, Department of Commerce, Puratchi Thalaivi Amma Government Arts and Science College	University, Representative	<i>R. Jayachandran</i> 04/01/2023
3.	Dr. K. Kanniammal Professor, Department of Commerce Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore-641043	Subject Expert- other university	<i>K. Kanniammal</i> 4/1/2023
4.	Dr. S. Dhanraj Associate Professor & Head School of Commerce Dr.G.R.Damodaran College of Science Coimbatore-641014	Subject Expert	
5.	Dr. R. Ganeshmurthi Head- HR & CI Relations Corporate Link Asia 1/ 1050, Mani Nagar, K N Palayam, Coimbatore Tamil Nadu	Industrial Expert	<i>R. Ganeshmurthi</i> 4/1/2023
6.	Dr. Ravishankar C Associate Professor in Commerce Department of Commerce Dr.G.R.Damodaran College of Science Coimbatore-641014	Alumni	<i>Ravishankar C</i> 4/1/23
7.	Dr. M. Gomatheeswaran Head & Professor, Department of B.Com/B.Com BPS/M.Com	Member (Internal)	<i>M. Gomatheeswaran</i>
8.	Dr. B.V.Hemalatha Head & Professor, Department of B.Com CA/B.Com BA/M.Com FC	Member (Internal)	<i>B.V.Hemalatha</i> 4/1/2023
9.	Dr . Salini P Associate Professor of Commerce	Member (Internal)	<i>P. Salini</i> 4/1/23
10.	Ms.Pooja Murali	Member(Student)- M.Com IB 2021 Batch	<i>Pooja Murali</i> 4/1/23

1 (SEE REVERSE = 0)



ATTESTED

P. Salini
PRINCIPAL

C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049



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NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

DEPARTMENT OF COMPUTER APPLICATIONS

CMS COLLEGE OF SCIENCE & COMMERCE
(Autonomous)

Chinnavedampatti, Coimbatore - 641 049

Academic Year: 2022-2023 ODD (Board of Studies Meeting)

The meeting of the Board of Studies in B.Sc (Digital and Cyber Forensic Science) Under Graduate Programme(UG) was conducted on 20th July 2022 at 10.00 am in the College premises.

The following members were present:

Chairman : Mrs S.Josephine Stella, Head In charge

Members :

1	Dr. Aruchamy Rajini	University Representative	Assistant Professor, Department of Computer Science(Aided) NGM College, Pollachi- 9486031574 saruchamyrajini@gmail.com
2	Dr. S.Chitra	Subject Expert	Associate Professor, PG& Research Department of Computer Science, Government Arts College(Autonomous), Coimbatore-641018 9486420027 chitracs@gacbe.ac.in
3	Dr. R. Gunasundari	Subject Expert	Professor and Head Department of Computer Applications Karpagam Academy of Higher Education, Coimbatore 9843045553 Gunasoundar04@gmail.com
4	S.Indu,	Industry Expert	Head Business Operations, VLANDS best hub Pvt Ltd, No 105,III Floor, Sri Vel Towers,Tatabad,Coimbatore- 12 indu@vlandsbesthub.com




PRINCIPAL
C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049

5	Saravanan B S	Alumni	Software Development Engineer Lakeba Groups Pvt Ltd 1 Sreekumaran salai, Avinashi Road, Civil Aerodrome Post, Coimbatore-641014 8883823332 saravanan.sb96@gmail.com
6	Dr.S.P.Swornambiga	Internal Member	Associate Professor Department of Computer Applications, CMS College of Science & Commerce, Coimbatore
7	Mrs.D.Thuthi Sarabai,	Internal Member	Assistant Professor Department of Computer Applications, CMS College of Science & Commerce, Coimbatore
8	Mrs.Vani Krishnaswamy	Internal Member	Assistant Professor, Department of Computer Applications, CMS College of Science & Commerce, Coimbatore

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of I semester of the UG Programme for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The syllabi of III semester of the UG Programme for the students admitted during the academic year 2022 - 2023 and onwards were approved.
3. The syllabi of V semester of the UG Programme for the students admitted during the academic year 2022 - 2023 and onwards were approved.
4. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.

5. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.

Department specific Board of Studies resolutions:

B.Sc(DCFS) : For 2022-25 Batch

6. First Semester Core II: Computer System Architecture is to be changed as PC Hardware.
7. Second Semester Core IV Information Security is changed as Object Oriented Programming using C ++
8. Second Semester Core V: Operating System is changed as Data Structures & Algorithms.
9. Second Semester Core VI: Operating System& Security lab is changed as Object oriented programming using C++& DS lab.
- 10.Third Semester Commercial Practice is introduced.
- 11.Third Semester Core VII: Object Oriented Programming using C ++ is to be changed as Python Programming.
- 12.Third Semester Computer Networks shifted to fifth semester.
- 13.Third Semester Core VIII: Object oriented programming using C++& DS lab is to be changed as Python Programming Lab
- 14.Third Semester Allied III – Mathematics III is to be changed as Operating Systems
- 15.Third Semester Elective I Mobile Computing is changed as Software Testing
- 16 Fourth Semester Core IX: Python programming is changed as Java Programming

17. Fourth Semester Core X: Python programming Lab is changed as

Java Programming Lab

18. Fourth Semester Allied IV: Business Accounting is changed as Information Security.

19. Fourth Semester Elective II Web Application Development is changed as

Mobile & Digital Forensic..

20. **Fourth Semester IDC is introduced and named as Technology Empowered Marketing.**

21. **Fifth Semester Elective III: Data Mining is to be changed as Artificial Intelligence.**

22. **In fifth semester skill based course III Cyber Security Introduced.**

23. In Sixth semester Project & Viva-voce is introduced.

24. Sixth Semester Elective IV: Data Warehousing is changed as **Ethical Hacking**

25. In sixth semester skill based course IV **Crime Scene Investigation is Introduced.**

26. Additional names for the panel of question paper setters and evaluators were included and approved.



S. Josephine Stella

Chairman / Chair Person (BoS)




PRINCIPAL
C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 EVEN(Board of Studies Meeting: II)

**The meeting of the Board of Studies in B.Sc(DCFS) Undergraduate Programme (UG)
was conducted on 4th Jan 2023 at 10 am**

The following members were present:

Chairman : S.Josephine Stella

Members :

1. Dr. Aruchamy Rajini
2. S.Indu
3. Dr. S.Chitra
4. Dr. R. Gunasundari
5. Saravanan B S
6. Dr.S.P.Swornambiga
7. Dr..D.Thuthi Sarabai,
8. Mrs.Vani Krishnaswamy

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of II semester of the UG Programmes for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The syllabi of IV semester of the UG Programmes for the students admitted during the academic year 2021 - 2022 and onwards were approved.
3. The syllabi of VI semester of the UG Programmes for the students admitted during the academic year 2020 - 2021 and onwards were approved.
4. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
5. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.
6. <<<<< **Department specific Board of Studies resolutions:** >>>>>
 BSc(DCFS) : For 2020-21 Batch
 63B: Cyber policing list of text books can be added.
 For 2022-23 Batch
 23P: Object oriented programming using C++& DS lab: List of programs can be reframed
7. Additional names for the panel of question paper setters and evaluators were included and it was approved.



S. Josephine Stella

Chairman / Chair Person (BoS)

CMS COLLEGE OF SCIENCE & COMMERCE
(Autonomous)
Chinnavedampatti, Coimbatore - 641 049

Academic Year: 2022-2023 ODD (Board of Studies Meeting)

The meeting of the Board of Studies for MCA Post Graduate Programme (PG) was conducted on 20th July 2022 at 10.00am in the College premises.

The following members were present:

Chairman : Mrs. Josephine Stella.S, Head In charge

Members :

1	Dr. Aruchamy Rajini	University Representative	Assistant Professor, Department of Computer Science(Aided) NGM College, Pollachi-9486031574 saruchamyrajini@gmail.com
2	Dr. S.Chitra	Subject Expert	Associate Professor, PG& Research Department of Computer Science, Government Arts College(Autonomous), Coimbatore-641018 9486420027 chitracs@gacbe.ac.in
3	Dr. R. Gunasundari	Subject Expert	Professor and Head Department of Computer Applications Karpagam Academy of Higher Education, Coimbatore 9843045553 Gunasoundar04@gmail.com
4	S.Indu	Industry Expert	Head Business Operations, VLANDS best hub Pvt Ltd, No 105,III Floor, Sri Vel Towers, Tatabad, Coimbatore-12 indu@vlandsbesthub.com

5	Saravanan B S	Alumni	Software Development Engineer Lakeba Groups Pvt Ltd 1 Sreekumaran salai, Avinashi Road, Civil Aerodrome Post, Coimbatore-641014 8883823332 saravanan.sb96@gmail.com
6	Dr.S.P.Swornambiga	Internal Member	Associate Professor Department of Computer Applications, CMS College of Science & Commerce, Coimbatore
7	Mrs.D.Thuthi Sarabai	Internal Member	Assistant Professor Department of Computer Applications, CMS College of Science & Commerce, Coimbatore
8	Mrs.Vani Krishnaswamy	Internal Member	Assistant Professor, Department of Computer Applications, CMS College of Science & Commerce, Coimbatore

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of I semester of the PG Programme for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The syllabi of III semester of the PG Programme for the students admitted during the academic year 2022 - 2023 and onwards were approved.
3. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
4. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were

discussed for the academic year 2022-2023 admitted students and finalized.

Department specific Board of Studies resolutions:

MCA : For 2022-24 Batch

5. First semester Core IV: Operations Research is introduced instead of Operating Systems.
6. First Semester Elective I Data Mining and Warehousing is to be changed as Operating Systems.
7. First Semester Elective I Data Mining and Warehousing is shifted to Group B
8. Second Semester Core VII: Advanced Java is to be changed as J2EE Programming.
9. Second semester Core XI: Advanced Java lab is to be changed as J2EE Programming Lab.
10. Third Semester Core XV: Data Science & Analytics is introduced instead of Business Intelligence
11. Third semester Elective III is changed as Machine Learning instead of Introduction to Nano Technology.

Additional names for the panel of question paper setters and evaluators were included and approved.


Chairman / Chair Person (BoS)

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 (Board of Studies Meeting: II)

**The meeting of the Board of Studies in MCA Postgraduate Programme (PG) was conducted on 4th
Jan 2023 at 10 am**

The following members were present:

Chairman : S. Josephine Stella

Members :

1. Dr. Aruchamy Rajini
2. S. Indu
3. Dr. S. Chitra
4. Dr. R. Gunasundari
5. Saravanan B S
6. Dr. S. P. Swornambiga
7. Dr. D. Thuthi Sarabai,
8. Mrs. Vani Krishnaswamy

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of II semester of the PG Programmes for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The syllabi of IV semester of the PG Programmes for the students admitted during the academic year 2021 - 2022 and onwards were approved.
3. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
4. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.
5. <<<<< Department specific Board of Studies resolutions: >>>>>
 - a. MCA : For 2022-23 Batch
 - i. 23B: IOT & Python -Syllabus to be revised.
 - ii. 23P2: IOT lab- Programmes to be reframed by including IOT
6. Additional names for the panel of question paper setters and evaluators were included and it was approved.


Chairman / Chair Person (BoS)



CMS COLLEGE OF SCIENCE AND COMMERCE

Affiliated to Bharathiar University, NAAC: Re-Accredited at the "A+" Level

CHINNAVEDAMPATTI, COIMBATORE – 641 049.

NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

DEPARTMENT OF COMPUTER SCIENCE

CMS COLLEGE OF SCIENCE AND COMMERCE

(Autonomous)

Coimbatore - 641 049

DEPARTMENT OF COMPUTER SCIENCE

Academic Year: 2022-2023 ODD (Board of Studies Meeting: I)

The meeting of the Board of Studies in B.Sc. Computer Science, M.Sc. Computer Science, M.Sc., Data Analytics was conducted on 20.07.2022 at 10:30 am in the Computer Science department.

The following members were present:

Chairman :Ms.V.Sarasvathi

Members :

1. Dr.D.J. Satheesh Kumar
2. Dr. N.Krishnaveni
3. Mr.A.Arunkumar
4. Mr.N.Vignesh
5. Dr.B.Sumathi
6. Ms.R.Sunitha
7. Ms.D.Sumathi
8. Mr.Nobel Franklin L
9. Mr.Muhammed Ashkar

The following resolutions were made in the Board of Studies meeting,

i) 2022 Batch B.Sc. CS :

Scheme approved by incorporating the following changes along with Syllabi of Semester I and II:

- “Certificate in I.T. Tools” has been introduced as the Modular course.
- Semester I: Core III: C Programming Lab has been changed as Programming Lab in C.
- Semester II: Core V: Data Structures has been changed as Data Structures and Algorithms.
- Semester III: Core IX: Oracle and SQL Lab has been changed as RDBMS Lab.
- Semester III: Skill Based Course(SBC) :I- Full Stack Development basics has been changed as Full Stack Development
- Semester IV:Core X: Web Programming has been changed as Web Technology
- Semester IV:Core XII: Web Programming Lab has been changed as Web Technology Lab
- Semester VI: Core XVI: Web Application Development has been changed as .Net Technologies
- Semester VI: Core XVIII: Web Application Tools Lab has been changed as .Net Technologies Lab
- Unit VI should be general as Case Study in all the courses.

ii) 2021 Batch B.Sc. CS :

- Syllabi for Semester III and IV has been approved with the following changes.
- Semester III: Core VII: Relational DBMS course syllabus framed with new text book.
- Semester III: Core VIII: Software Engineering: Unit V framed as Software Testing and Testing tools introduction.
- Semester IV: Core X: Web Programming course syllabus framed with new text book.
- Semester IV: Core XI: Computer Networks Course Syllabus approved with minor changes in the content.

iii) 2020 Batch B.Sc. CS :

- Syllabi for Semester V and VI has been approved with the following changes.

- Semester V: Core XIII: Open Source Technologies course syllabus has been changed by adding Introduction to Open Source concepts in Unit I
- Semester V: Core XIV: Computer Networks Course Syllabus approved with minor changes in the content.
- Semester V: Core XV: Open Source Computing Tools Lab List changed.
- Semester VI: Core XVI: Web Application Development course syllabus approved with minor changes.
- Semester VI: Core XVII: Information Security course syllabus approved with changes in the content.
- Semester VI: Core XVIII: Web Application Tools Lab List changed.

iv) 2022 Batch M.Sc. CS:

- “Advanced Certificate in Software Computing Tools” has been introduced as Modular Course.
- Semester I: Core II: Advanced Networks has been changed as Wireless Networks.
- Semester I: Core III: Machine Learning course has been introduced by removing Mathematics for Computer Science.
- Semester I: Core IV: J2EE Programming has been changed as Advanced JAVA Programming.
- Semester I: Core V: J2EE Programming Lab has been changed as Advanced JAVA Programming Lab.
- Semester II: Core VI: Advanced Operating System course has been introduced.
- Semester II: Core IX: Python Programming, Core X: Python Programming Lab has been introduced in the place of Programming in C#, Programming in C# Lab respectively.
- Semester III: Core XII: Cyber Security has been changed as Network Security.
- Semester III: Core XIV: Linux Programming, Core XV: Linux Programming Lab has been introduced. Semester II: Data Compression has been introduced in the second semester. Semester III: Cryptography has been introduced in the third semester.

v) 2022 Batch M.Sc. Data Analytics

- “Advanced Certificate in Software Computing Tools” can be introduced as Modular Course. which includes Advanced Excel, Advanced Excel Lab, Latex, Latex Lab, UI/UX Design, UI/UX Design Lab, MATLAB, MATLAB Practicals.
- Semester I: Core II: Mathematics for Computing has been changed as Mathematics for Data Analytics.

- Semester I: Core III: Object Oriented Programming & Design and Analysis of Algorithms has been changed as Design and Analysis of Algorithms.
 - Semester II: Core VI: Advanced Database Management has been changed as Advanced Database Management Systems.
 - Semester II: Core VIII: R Programming for Data Analytics, Core XI: R Programming Lab has been changed as Data Analytics using R, Programming Lab in R.
 - Semester III: Core XIV: Map Reduce Programming, Core XV: Map Reduce Programming Lab has been changed as Big Data Frameworks and Tools, Big Data Tools Lab.
- v) **2021 Batch M.Sc. Data Analytics - III Semester:**
- Syllabi for Semester III and IV has been approved.



Chairman / Chair Person (BoS)

CMS College of Science and Commerce (Autonomous)

Chinnavedampatti , Coimbatore - 641 049

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Department of Computer Science (B.Sc. Computer Science, M.Sc. Computer Science and M.Sc. Data Analytics was conducted on 04.01.2023 at 10:30 am

The following members were present:

Chairman :Ms.V.Sarasvathi

Members :

1. Dr.J. Satheesh Kumar
2. Dr. N.Krishnaveni
3. Mr.A.Arunkumar
4. Mr.N.Vignesh
5. Dr.B.Sumathi
6. Ms.R.Sunitha
7. Ms.D.Sumathi
8. Mr.Nobel Franklin L
9. Mr.Muhammed Ashkar

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of II semester of the UG, PG Programmes for the students admitted during the academic year 2022 - 2023 and onwards were approved with the following changes.

I. 2022 B.Sc. CS

- 23A- Object Oriented Programming with JAVA: Unit V-file concepts removed and spring boot, hibernate concepts has been introduced by referring online resources.
- 23B-Data Structures and Algorithms: In Unit-I algorithms-Asymptotic notations and More sorting methods has been inserted by in Unit III after removing Magnetic tapes and disks. Unit IV and V are interchanged.
- 23P-Java and DS Lab-Problems list updated.

II. 2022 M.Sc. CS

- 23A-Advanced OS-New syllabus framed.
- 23B: Artificial Intelligence & Expert Systems- Unit IV removed and Unit- V has been moved as UNIT-IV. Unit V: LISP and PROLOG Concepts has been included.
- 23C-BIG Data Analytics: Hadoop Framework, classification of data ,Power BI has been included in UNIT V.
- 23D-PYTHON-Unit-V-Dijango has been included.
- 23P-Python Lab list modified.

III. 2022 M.Sc. DA

- 23A-Advanced Database Management Systems: Updation of data, soft delete and hard delete has been included.
- 23P1-Advanced DBMS Lab: Temporary table creation program has been added.

2. The syllabi of IV semester of the UG, PG programmes for the students admitted during the academic year 2021 - 2022 and onwards were approved.

I. 2021 B.Sc. CS

- 43A-Web programming, 4AA-Information security, 43E-Elective II: Cloud computing – New syllabus prepared.
- 43P-Web programming lab - List revised
- 43B-Computer Networks- In Unit III, sliding window protocols names included and in Unit V-subdomain mapping has been included.
- 44S-AngularJS-syllabus updated with variable reference using “this” pointer and Injectable concepts.

II. 2021 M.Sc. DA

- Syllabi for Semester IV has been approved.

3. Additional names for the panel of question paper setters and evaluators were included and it was approved.



Chairman / Chair Person (BoS)



CMS COLLEGE OF SCIENCE AND COMMERCE

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CHINNAVEDAMPATTI, COIMBATORE – 641 049.

NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

DEPARTMENT OF INFORMATION TECHNOLOGY

CMS College of Science & Commerce (Autonomous)
Chinnavedampatti, Coimbatore- 641 049
Boards of Studies Member List
Academic Year – 2022 – 2023 (ODD)

Name of the Board : Information Technology

BOS Meeting Date : 21.07.2022

S. No.	Member Name	Category	Designation & Address
1.	Dr.N.Rajinikanth	Chairman	Associate Professor and Head, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049
2.	Mr.A.Sivabalan	University Representative	Assistant Professor, Department of Computer Science, Kongunadu Arts and Science College, Coimbatore – 641004 Mobile No: +91 - 94430 93253
3.	Mr.Santhosh Kumar	Industry Expert	Accent Techno Soft Solutions, 203, Nehru St, Peranaidu Layout, Ram Nagar, Coimbatore, Tamil Nadu – 641009 Mobile No: +91 - 74027 40225
4.	Dr.F.Paulin	Subject Expert (External)	Associate Professor, Department of Information Technology, Avinashilingam Deemed University for Women, Coimbatore Mobile No: +91 – 98422 67441
5.	Dr.B.Murugesakumar	Subject Expert (External)	Associate Professor and Head, Department of Computer Science, Dr.S.N.S Rajalakshmi College of Arts and Science Email: gbmuruges@gmail.com Mobile No: +91 – 99946 11515, +91 – 88257 75611
6.	Dinesh Varma B	Alumni	Catalog Assistant Amazon (Chennai) Mobile No: +91 – 70108 45664
7.	Shanjay K	Student	M.Sc It, Department of IT CMS College of Science and Commerce Email Id: shanjaykanagaraj49@gmail.com Mobile: 6384566926
8.	Dr.S.Ranjitha	Member (Internal)	Assistant Professor, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049
9.	Dr.C.S.Saradha	Member (Internal)	Assistant Professor, Department of Information Technology, CMS College of Science and Commerce,

			Coimbatore - 641049
10.	Ms.S.Dhivya	Member (Internal)	Assistant Professor, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049



Signature of the Chairman




PRINCIPAL
C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049

**CMS COLLEGE OF SCIENCE & COMMERCE, COIMBATORE DEPARTMENT OF
INFORMATION TECHNOLOGY
MINUTES OF BOARD OF STUDIES (UG) MEETING HELD ON 21.07.2022 IN DEPARTMENT
OF INFORMATION TECHNOLOGY**

Meetings of Board of studies was covered by 9:00 am with Academic Experts, Industrial Experts, University Representative and Alumni to scrutinize Syllabuses of Under Graduate Course (BSc AIML, IT and CT), Dr. N. Rajnikanth, Associate Professor & HOD, Department of IT was the Chairman and next level Senior staff members represented various UG courses. The following are the points discussed and recommended for B.Sc. AIML courses. The list of resource persons involved in this meeting is attached overleaf with their signatures.

B.Sc. AIML

1. Scheme for BSc AIML Programme for the students admitted in the academic year 2022 – 23 were approved.
2. Syllabi for SEM I and SEM II were approved.
3. In semester I suggested to change the title Object Oriented Programming to Problem solving using C++ and its Lab (2022 batch)
4. In Semester II Object Oriented Programming was suggested to be changed to Java Programming and its Lab. (2022 batch)
5. In semester III Database Management system was suggested to change to Programming in Python and the prior paper is included as Relational Database management systems as Allied paper. (2022 batch)
6. R Programming and its Lab was suggested to include in SEM IV. (2022 batch). Ethical Hacking has been introduced
7. In semester V Machine Learning Techniques and its Lab was suggested. (2022 batch)
8. Natural Language Processing and its Lab was suggested to include in SEM VI. (2022 batch)

B.Sc. IT

1. Scheme for BSc IT Programme for the students admitted in the academic year 2022 – 23 were approved.
2. Syllabi for SEM I and SEM II were approved. (2022 batch)
3. In Semester I suggested to change the title of Problem Solving using Computers to Problem solving Using C. (2022 batch)
4. In Semester III suggested to change the title of the Core IX- Oracle & SQL Lab to Relational Database Management System Lab. (2022 batch)
5. In Semester III suggested to include Skill based Course (SBC)-I as Kotlin in place of Digital Marketing. (2022 batch)
6. In Semester IV Skill Based Course (SBS) II- Affiliate Marketing suggested to change to Word Press. (2022 batch)
7. In Semester III suggested to include Introduction to Artificial Intelligence as Allied III and To Include E-commerce as one of the paper in Elective –I. (2022 batch)
8. Suggested to include AWS as one of the topic in subjects such as client/server computing, mobile computing for 2021 batch.

9. Suggested to include Block Chain concepts as one of the topic for Elective III Enterprise Resource Planning subject for 2021, 2020 batch.

10. Web Development using PHP programming and respective lab- Web Development PHP programming lab have been introduced.

B.Sc. CT

1. Scheme for BSc CT Programme for the students admitted in the academic year 2022 – 23 were approved. (2022 batch)
2. Syllabi for SEM I and SEM II were approved. (2022 batch)
3. In Semester III suggested to include Introduction to Artificial Intelligence as Allied III and To Include Introduction To Data Science as one of the paper in Elective – I. (2022 batch)
4. Suggested to include AWS as one of the topic in subjects such as client/server computing, mobile computing for 2021 batch.
5. Suggested to include Block Chain concepts as one of the topic for Elective III Enterprise Resource Planning subject for 2021, 2020 batch.

The following courses are considered as the new courses for 2022 batch for Artificial Intelligence and Machine Learning as per the recommendation of the members of BOS.

Ethical hacking

Machine learning techniques

Fuzzy logic and neural networks

Artificial intelligence and knowledge representation

Machine learning techniques lab

Principles of secure coding

Critical thinking, design thinking and problem solving

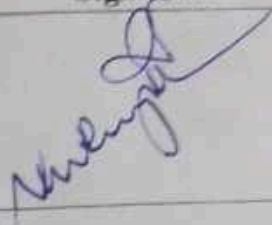
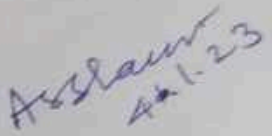

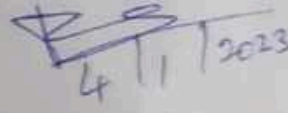
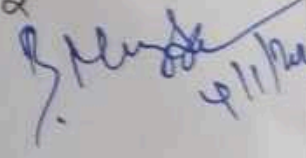
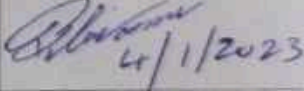
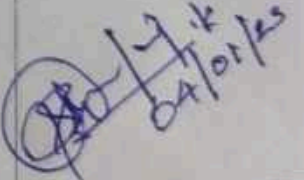
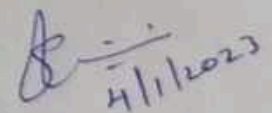



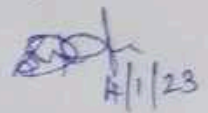
HOD, IT Department


CMS College of Science & Commerce (Autonomous)
Chinnavedampatti, Coimbatore- 641 049
Boards of Studies Member List
Academic Year – 2022 - 2023

Name of the Board : Information Technology

BOS Meeting Date : 04.01.2023

S. No.	Member Name	Category	Designation & Address	Signature
1.	Dr.N.Rajinikanth	Chairman	Associate Professor and Head, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049	
2.	Mr.A.Sivabalan	University Representative	Associate Professor, Department of Computer Science, Kongunadu Arts and Science College, Coimbatore - 6410 29 Mobile No: +91 - 94430 93253	 4.1.23
3.	Mr.Santhosh Kumar	Industry Expert	Accent Techno Soft Solutions, 203, Nehru St, Peranaidu Layout, Ram Nagar, Coimbatore, Tamil Nadu - 641009 Mobile No: +91 - 74027 40225	 4/1/2023
4.	Dr.F.Paulin	Subject Expert (External)	Associate Professor, Department of Information Technology, Avinashilingam Deemed University for Women, Coimbatore Mobile No: +91 - 98422 67441	 4/1/2023
5.	Dr.B.Murugesakumar	Subject Expert (External)	Associate Professor and Head, Department of Computer Science, Dr.S.N.S Rajalakshmi College of Arts and Science Email: gbmurugesha@gmail.com Mobile No: +91 - 99946 11515, +91 - 88257 75611	 4/1/2023
6.	Dinesh Varma B	Alumni	Catalog Assistant Amazon (Chennai) Mobile No: +91 - 70108 45664	 4/1/2023
7.	Shanjay K	Student	M.Sc It, Department of IT CMS College of Science and Commerce Email Id: shanjaykanagaraj49@gmail.com Mobile: 6384566926	 04/01/23
8.	Dr.S.Ranjitha	Member (Internal)	Assistant Professor, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049	 4/1/2023

9.	Dr.C.S.Saradha	Member (Internal)	Assistant Professor, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049	 4/1/23.
10.	Ms.S.Dhivya	Member (Internal)	Assistant Professor, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049	 4/1/23


Signature of the Chairman

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Information Technology Undergraduate Programme (UG) and Post Graduate (PG) was conducted on 04 Jan 2023 at 3:00 pm

The following members were present:

Chairman : Dr.N.Rajinikanth

Members :

1. Mr.A.Sivabalan – University Representative
2. Mr.Santhosh Kumar- Industrial Expert
3. Dr.F.Paulin- Subject Expert
4. Dr.B.Murugesakumar – Subject Expert
5. Mr. Dinesh Varma B - Alumini
6. Mr. Shanjay K – student member
7. Dr.S.Ranjitha – Internal Member
8. Dr.C.S.Saradha- Internal Member
9. Ms.S.Dhivya - Internal Member

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of II semester of the UG Programmes for the students admitted during the academic year 2022 – 2023 and onwards were approved.
2. The syllabi of IV semester of the UG Programmes for the students admitted during the academic year 2021 - 2022 and onwards were approved.
3. The syllabi of VI semester of the UG Programmes for the students admitted during the academic year 2020 - 2021 and onwards were approved.
4. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
5. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.
6. <<<<< **Department specific Board of Studies resolutions:** >>>>>

B.Sc IT

1. Suggested to update in the syllabus of course **Data Structures-23B in Semester II**.
2. Suggested to update the Textbook with recent edition in Semester II and Semester IV.
3. In Semester IV suggested to include **flutter as one of the topic in Unit-V in operating System -43B**.

B.Sc CT

1. Suggested to update in the syllabus of course Data Structures-23B in Semester II.
2. Suggested to update the Textbook with recent edition in Semester II and Semester IV
3. In Semester IV suggested to **include flutter as one of the topic in Unit-V in operating System -43B**.

B.SC AIML

1. Suggested to update with latest edition of Textbook in semester II
2. **In Semester II suggested to include introduction to python as one of the topic in Unit-V in the course Introduction to Artificial Intelligence -23B**.

M.Sc IT

1. Scheme Ratification : To change the title of M3 to M8 in Modular Course.

- M1 as Module I- Course I- Block Chain fundamentals, M2 - Block Chain Technology
- M3 as - Module II - Course I – Blockchain- An Introduction to Cryptocurrency
- M4 as Module II - Course II – Blockchain -A Cryptocurrency Applications
- M5 as Module II - Course III – Blockchain Client
- M6 as Module III - Course I – Blockchain-Keys, Addresses, Wallets
- M7 as Module III - Course II – Blockchain Transactions
- M8 as Module III - Course III – Blockchain Security

2. Suggested to update with latest edition of Textbook in semester II

7. Additional names for the panel of question paper setters and evaluators were included and it was approved.

Chairman / Chair Person (BoS)

M.Sc IT

1. Scheme Ratification : To change the title of M3 to M8 in Modular Course.

- M3 as - Module II - Course I – Blockchain- An Introduction to Cryptocurrency
- M4 as Module II - Course II – Blockchain -A Cryptocurrency Applications
- M5 as Module II - Course III – Blockchain Client
- M6 as Module III - Course I – Blockchain-Keys, Addresses, Wallets
- M7 as Module III - Course II – Blockchain Transactions
- M8 as Module III - Course III – Blockchain Security

2. Suggested to update with latest edition of Textbook in semester II

7. Additional names for the panel of question paper setters and evaluators were included and it was approved.

A handwritten signature in black ink, appearing to read 'Anurag', is written over a faint circular stamp.

Chairman / Chair Person (BoS)

CMS College of Science & Commerce (Autonomous)
Chinnavedampatti, Coimbatore- 641 049
Boards of Studies Member List
Academic Year – 2022 – 2023 (ODD)

Name of the Board : Information Technology

BOS Meeting Date : 21.07.2022

S. No.	Member Name	Category	Designation & Address
1.	Dr.N.Rajinikanth	Chairman	Associate Professor and Head, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049
2.	Mr.A.Sivabalan	University Representative	Assistant Professor, Department of Computer Science, Kongunadu Arts and Science College, Coimbatore – 641004 Mobile No: +91 - 94430 93253
3.	Mr.Santhosh Kumar	Industry Expert	Accent Techno Soft Solutions, 203, Nehru St, Peranaidu Layout, Ram Nagar, Coimbatore, Tamil Nadu – 641009 Mobile No: +91 - 74027 40225
4.	Dr.F.Paulin	Subject Expert (External)	Associate Professor, Department of Information Technology, Avinashilingam Deemed University for Women, Coimbatore Mobile No: +91 – 98422 67441
5.	Dr.B.Murugesakumar	Subject Expert (External)	Associate Professor and Head, Department of Computer Science, Dr.S.N.S Rajalakshmi College of Arts and Science Email: gbmurugesh@gmail.com Mobile No: +91 – 99946 11515, +91 – 88257 75611
6.	Dinesh Varma B	Alumni	Catalog Assistant Amazon (Chennai) Mobile No: +91 – 70108 45664
7.	Shanjay K	Student	M.Sc It, Department of IT CMS College of Science and Commerce Email Id: shanjaykanagaraj49@gmail.com Mobile: 6384566926
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9.	Dr.C.S.Saradha	Member (Internal)	Assistant Professor, Department of Information Technology, CMS College of Science and Commerce,

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10.	Ms.S.Dhivya	Member (Internal)	Assistant Professor, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049



Signature of the Chairman

CMS COLLEGE OF SCIENCE & COMMERCE, COIMBATORE
DEPARTMENT OF INFORMATION TECHNOLOGY
MINUTES OF BOARD OF STUDIES (PG) MEETING HELD ON 21.07.2022 IN
DEPARTMENT OF IT

Meetings of Board of studies was covered by 9:00 am with Academic Experts, Industrial Experts, University Representative and Alumni to scrutinize Syllabuses of Under Graduate Course (MSc IT), Dr. N. Rajnikanth, Associate Professor & HOD, Department of IT was the Chairman and next level Senior staff members represented various PG courses. The following are the points discussed and recommended for M.Sc. IT course. The list of resource persons involved in this meeting is attached overleaf with their signatures.

M.Sc. Information Technology (I - ODD & II - EVEN)

1. Scheme for MSc IT Programme for the students admitted in the academic year 2022 - 23 were approved.
2. Syllabi for SEM I and SEM II were approved.
3. Suggested to include Java programming with advanced concepts and its lab.
4. Suggested to include Operating systems, Python Programming and its lab with advanced concepts.
5. Suggested to include all recent trending papers in scheme such as Artificial Intelligence, Data Science, Data Mining using R, Big Data Analysis.
6. Suggested to include Research Publications to PG Students with additional credits.



HOD, IT Department

The following courses in Master of Information are considered as the new courses for 2022 batch as per the recommendations of the members of the board of studies.

Advanced java programming

Advanced operating system

Python programming

Advanced java programming lab

Software testing

Python programming lab

Block chain fundamentals.

Block chain technology.

Data mining and warehousing

Network security and cryptography.

.Net programming

Artificial intelligence

Embedded systems

Data mining using r

.Net programming lab

Block chain - an introduction to cryptocurrency.

Block chain - a cryptocurrency applications.

Advanced PHP programming

Big data analysis

Multimedia and its applications

Advanced PHP programming lab

Block chain client.

Block chain - keys, addresses, wallets

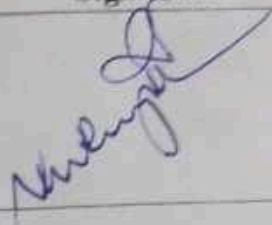
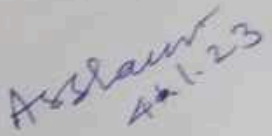

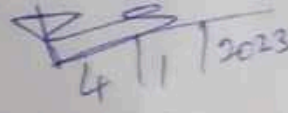
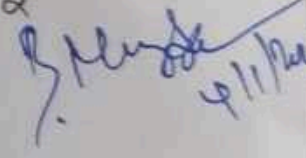
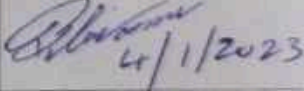
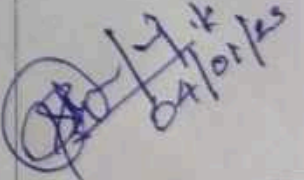
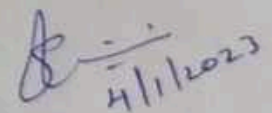
Block chain transactions.


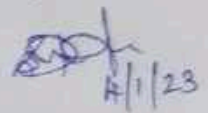
Block chain security.


CMS College of Science & Commerce (Autonomous)
Chinnavedampatti, Coimbatore- 641 049
Boards of Studies Member List
Academic Year – 2022 - 2023

Name of the Board : Information Technology

BOS Meeting Date : 04.01.2023

S. No.	Member Name	Category	Designation & Address	Signature
1.	Dr.N.Rajinikanth	Chairman	Associate Professor and Head, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049	
2.	Mr.A.Sivabalan	University Representative	Associate Professor, Department of Computer Science, Kongunadu Arts and Science College, Coimbatore - 6410 29 Mobile No: +91 - 94430 93253	 4/1/23
3.	Mr.Santhosh Kumar	Industry Expert	Accent Techno Soft Solutions, 203, Nehru St, Peranaidu Layout, Ram Nagar, Coimbatore, Tamil Nadu - 641009 Mobile No: +91 - 74027 40225	 4/1/2023
4.	Dr.F.Paulin	Subject Expert (External)	Associate Professor, Department of Information Technology, Avinashilingam Deemed University for Women, Coimbatore Mobile No: +91 - 98422 67441	 4/1/2023
5.	Dr.B.Murugesakumar	Subject Expert (External)	Associate Professor and Head, Department of Computer Science, Dr.S.N.S Rajalakshmi College of Arts and Science Email: gbmurugesha@gmail.com Mobile No: +91 - 99946 11515, +91 - 88257 75611	 4/1/2023
6.	Dinesh Varma B	Alumni	Catalog Assistant Amazon (Chennai) Mobile No: +91 - 70108 45664	 4/1/2023
7.	Shanjay K	Student	M.Sc It, Department of IT CMS College of Science and Commerce Email Id: shanjaykanagaraj49@gmail.com Mobile: 6384566926	 04/01/23
8.	Dr.S.Ranjitha	Member (Internal)	Assistant Professor, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049	 4/1/2023

9.	Dr.C.S.Saradha	Member (Internal)	Assistant Professor, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049	 4/1/23.
10.	Ms.S.Dhivya	Member (Internal)	Assistant Professor, Department of Information Technology, CMS College of Science and Commerce, Coimbatore - 641049	 4/1/23


Signature of the Chairman

CMS College of Science and Commerce (Autonomous)

Chinnavedampatti, Coimbatore - 641 049

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Information Technology Undergraduate Programme (UG) and Post Graduate (PG) was conducted on 04 Jan 2023 at 3:00 pm

The following members were present:

Chairman : Dr.N.Rajinikanth

Members :

1. Mr.A.Sivabalan – University Representative
2. Mr.Santhosh Kumar- Industrial Expert
3. Dr.F.Paulin- Subject Expert
4. Dr.B.Murugesakumar – Subject Expert
5. Mr. Dinesh Varma B - Alumini
6. Mr. Shanjay K – student member
7. Dr.S.Ranjitha – Internal Member
8. Dr.C.S.Saradha- Internal Member
9. Ms.S.Dhivya - Internal Member

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of II semester of the UG Programmes for the students admitted during the academic year 2022 – 2023 and onwards were approved.
2. The syllabi of IV semester of the UG Programmes for the students admitted during the academic year 2021 - 2022 and onwards were approved.
3. The syllabi of VI semester of the UG Programmes for the students admitted during the academic year 2020 - 2021 and onwards were approved.
4. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
5. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.

6. <<<<< Department specific Board of Studies resolutions: >>>>>

M.Sc IT

1. Scheme Ratification : To change the title of M3 to M8 in Modular Course.
 - M3 as - Module II - Course I – Blockchain- An Introduction to Cryptocurrency
 - M4 as Module II - Course II – Blockchain -A Cryptocurrency Applications
 - M5 as Module II - Course III – Blockchain Client
 - M6 as Module III - Course I – Blockchain-Keys, Addresses, Wallets
 - M7 as Module III - Course II – Blockchain Transactions
 - M8 as Module III - Course III – Blockchain Security
2. Suggested to update with latest edition of Textbook in semester II
7. Additional names for the panel of question paper setters and evaluators were included and it was approved.



Chairman / Chair Person (BoS)

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Information Technology Undergraduate Programme (UG) and Post Graduate (PG) was conducted on 04 Jan 2023 at 3:00 pm

The following members were present:

Chairman : Dr.N.Rajinikanth

Members :

1. Mr.A.Sivabalan – University Representative
2. Mr.Santhosh Kumar- Industrial Expert
3. Dr.F.Paulin- Subject Expert
4. Dr.B.Murugesakumar – Subject Expert
5. Mr. Dinesh Varma B - Alumini
6. Mr. Shanjay K – student member
7. Dr.S.Ranjitha – Internal Member
8. Dr.C.S.Saradha- Internal Member
9. Ms.S.Dhivya - Internal Member

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of II semester of the UG Programmes for the students admitted during the academic year 2022 – 2023 and onwards were approved.
2. The syllabi of IV semester of the UG Programmes for the students admitted during the academic year 2021 - 2022 and onwards were approved.
3. The syllabi of VI semester of the UG Programmes for the students admitted during the academic year 2020 - 2021 and onwards were approved.
4. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
5. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.
6. <<<<< **Department specific Board of Studies resolutions: >>>>>**

B.Sc IT

1. Suggested to update in the syllabus of course Data Structures-23B in Semester II.
2. Suggested to update the Textbook with recent edition in Semester II and Semester IV.
3. In Semester IV suggested to include flutter as one of the topic in Unit-V in operating System -43B.

B.Sc CT

1. Suggested to update in the syllabus of course Data Structures-23B in Semester II.
2. Suggested to update the Textbook with recent edition in Semester II and Semester IV
3. In Semester IV suggested to include flutter as one of the topic in Unit-V in operating System -43B.

B.SC AIML

1. Suggested to update with latest edition of Textbook in semester II
2. In Semester II suggested to include introduction to python as one of the topic in Unit-V in the course Introduction to Artificial Intelligence -23B.

M.Sc IT

1. Scheme Ratification : To change the title of M3 to M8 in Modular Course.

- M3 as - Module II - Course I – Blockchain- An Introduction to Cryptocurrency
- M4 as Module II - Course II – Blockchain -A Cryptocurrency Applications
- M5 as Module II - Course III – Blockchain Client
- M6 as Module III - Course I – Blockchain-Keys, Addresses, Wallets
- M7 as Module III - Course II – Blockchain Transactions
- M8 as Module III - Course III – Blockchain Security

2. Suggested to update with latest edition of Textbook in semester II

7. Additional names for the panel of question paper setters and evaluators were included and it was approved.

Chairman / Chair Person (BoS)



PRINCIPAL
C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049



CMS COLLEGE OF SCIENCE AND COMMERCE

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CHINNAVEDAMPATTI, COIMBATORE – 641 049.

NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

DEPARTMENT OF CATERING SCIENCE

BOS minutes details

The meeting of the Board of Studies in Catering science & Hotel management B.Sc Undergraduate program (UG) was conducted on 20/07/2022 at 10:30 am

The following members were present:

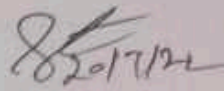

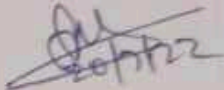
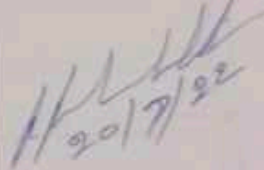
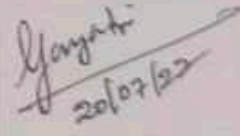


Chairman : Mr Steve Deepak HOD, Catering science & Hotel management

The following resolutions were made in the Board of Studies meeting,

1. The scheme of the UG Programs for the students admitted during the academic year 2022- 2023 batch and onwards were approved and passed
2. For 2022-25 batch housekeeping management theory and practical replaced with new paper accommodation operations in 1st & 2nd semester for both theory and practical.
3. For 2022-25 batch computer application in hotel industry has been replaced with new paper software application in hotel industry in the 5th semester for both theory and practical.
4. The syllabi of 3rd & 4th semester of the UG Programs for the students admitted during the academic year 2021- 2022 batch and onwards were approved and passed.
5. The syllabi of 5th and 6th semester of the UG Programs for the students admitted during the academic year 2020- 2021 batch and onwards were approved and passed.
6. The scheme and syllabi of the 1st and 2nd Semester of the UG Program for the students admitted during 2022-23 batch and onwards were approved and passed.
7. For 2022 batch Commercial practices has been implemented for all UG programs which relates to filling up of various forms (Bank, post office, Income tax etc) for extra credit. 50 marks will be awarded. (Internal 25; External 25) Extra 2 credit, 5 hours will be allotted. Exam duration – hours. Examination will be conducted through offline. The subject code for commercial practice is -CLP
8. From 2022 batch onwards 1 hour per week will be allotted as library and the schedule will be implemented by the library department.
9. From 2022 batch onwards 3 hours per week for placement training programs will be implemented for both UG and PG programs.
10. Academic skills project viva has been introduced.


Chairman / Chair Person (BOS)

Member's details and signature

1. Chairman -	Mr Steve Deepak HOD, Department of cat sci and hm CMS College of science & commerce, cbe	 20/7/22
2. University representative - sebastianshalvin-a@hicas.ac.in	Mr Sebastian shalvin.A Assistant professor Dept of HM &CS Hindustan College of arts and science, Coimbatore 98421 76488	 20/7/22
3. Subject expert - manikandan_s@psgeas.ac.in	Mr. Manikandan .S Assistant professor Dept of HM &CS PSG College of Arts and Science, Coimbatore 91502 05771	 20/7/22
4. Subject expert - Prasanth 2186@gmail.com	Mr Prasanth Assistant professor, Dept of HM &CS SNS College of Arts and Science, Coimbatore 99524 18908	 20/7/22
5. Industry expert -	Mr Arun Radhakrishnan General Manager, Zone by the park, Coimbatore	
6. Alumni - Gayathrigopalankutty@gmail.com	Ms. Gayathri 76049 49871 Guest service Associate, Front office Department Residency Towers, Coimbatore 76049 49871	 20/07/22
7. Internal member -	Mr. K.L. Gowrishankar Assistant professor, Dept of HM &CS CMS College of science & commerce, Coimbatore	
8. Internal member -	Mr. Pradeep kumar .B Assistant professor, Dept of HM & CS	

MS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049
Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in B.Sc ;Catering Science and Hotel Management

Undergraduate Programme (UG) was conducted on 04/01 2023 at 10:30 am .

The following members were present:

Chairman :1. Mr Steve Deepak , HOD - Catering Science & Hotel Management

Members :

2. Mr Sebastian Shalvin.A
University Representative
Assistant professor
Dept of HM &CS
Hindustan college of arts and science ,Coimbatore

3 Mr Manikandan .S -
Subject Expert (External)
Assistant professor,
Dept. of HM &CS PSG college of Arts and science ,
Coimbatore

4. Mr Prasanth -
Subject Expert (External)
Assistant professor,Dept of HM. &CS SNS college of
Arts and science , Coimbatore

5. Mr Arun Radhakrishnan -
Industry expert
General manager
Zone by the park, Coimbatore

6. Ms Gayathri -
Alumni
Guest service Associate, Front office Department
Residency Towers Hotel, Coimbatore


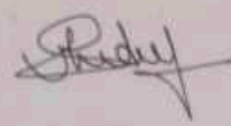

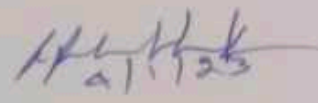
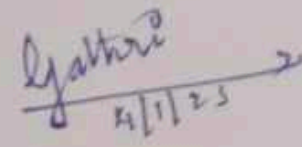
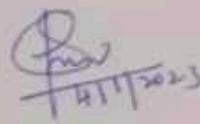
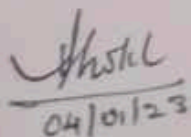
7. Mr K.L.Gowrishankar-
Member (Internal)
Assistant professor,
Dept of catering science & Hotel management
CMS college of Science and Commerce , Coimbatore

8.. Mr Pradeep kumar -
Member (Internal)
Assistant professor,
Dept of catering science & Hotel management
CMS college of Science and Commerce , Coimbatore


9. Mr Ashok Menon

Member (Internal)
Assistant professor,
Dept of catering science & Hotel management
CMS college of Science and Commerce, Coimbatore

Members details and Signature

1. A. STEVE DEEPAK
Chair man. -  22/11/23
2. Mr. Sebastian Shalvin
University Rep. - 
3. S. Manikandan
Subject Expert - 
4. R-PRASANTH
Subject Expert - 
- 5.
6. Ms. Gayathri
Alumni -  22/11/23
7. Mr. K.L. GOURISHANKAR
Member (Internal) -  22/11/2023
8. Mr. ASHOK MENON
Member (Internal) -  04/10/23.




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Coimbatore - 641 049



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CHINNAVEDAMPATTI, COIMBATORE – 641 049.

NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

DEPARTMENT OF ELECTRONICS

CMS COLLEGE OF SCIENCE & COMMERCE (Autonomous)
CHINNAVEDAMPATTI, COIMBATORE-49
DEPARTMENT OF ELECTRONICS

Academic Year: 2022-2023 (Board of Studies Meeting: I)

The meeting of the Board of Studies in Electronics Undergraduate Programme (UG) and Postgraduate (PG) were conducted on 20th July 2022 by 11.00am in Electronics Laboratory.

The following members were present:

Chairman : Dr.K.P.Vasudevan



Members :

- | | |
|-------------------------|-----------------------------|
| 1. Dr.T.Sivakumar | - University Representative |
| 2. Mr.V.Pragatheeswaran | - Industry Expert |
| 3. Dr.P.Gowthaman | - Subject Expert |
| 4. Dr.V.Jagadeesan | - Subject Expert |
| 5. Mr.D.Muththaiyan | - Alumni |
| 6. Dr.G.Mahesh | - Member (Internal) |
| 7. Dr.S.Karthik Kannan | - Member (Internal) |
| 8. Mr.K.Solai Vijayan | - Member (Internal) |

T. J. ...
20/7/22

V. July
D. ...
20/7/22
20/07/2022
20.7.2022
K. ...



H. ...
PRINCIPAL

C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049

The following resolutions were made in the Board of Studies meeting,

1. The scheme for the entire program and syllabi of I & II semester of the UG Programme for the students admitted during the academic year 2022 - 2023, and onwards were approved.
2. The syllabi of III & IV semester of the UG Programme for the students admitted during the academic year 2021 - 2022 and onwards were approved.
3. The syllabi of V & VI semester of the UG Programmes for the students admitted during the academic year, 2020 - 2021 and onwards were approved.
4. The scheme for the entire program and syllabi of I & II semester of the PG Programme for the students admitted during the academic year 2022 - 2023 and onwards were approved.
5. The syllabi of III & IV semester of the PG Programme for the students admitted during the academic year 2021 - 2022 and onwards were approved.
6. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
7. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2021-2022 admitted students and finalized.
8. <<<<< **Department specific Board of Studies resolutions:** >>>>>
(Enclosed separately)
9. Additional names for the panel of question paper setters and evaluators were included and it was approved.


(Dr. K. P. Vasudevan)

Chairman / Chair Person (BoS)

CMS COLLEGE OF SCIENCE & COMMERCE (Autonomous)

CHINNAVEDAMPATTI, COIMBATORE-49

DEPARTMENT OF ELECTRONICS

Academic Year:2022-2023Board of Studies Meeting: IDATE:20.07.2022UG: B.Sc. Electronics and Communication Systems

According to the suggestion and the discussion with the Board members and Advisory Committee Members, the following modifications were done in the syllabi for the UG students admitted during the year 2022-2023.

- 1) The contents of the subject "Principles Electronics" in the I semester is restructured by including some basic principles of electronic components and title is changed as "Basic Electronics"
- 2) The contents of the subject "Electronic Devices and Circuits" in the II semester is restructured by including a few semiconductor devices and the title is changed as "Semiconductor Devices and Circuits"
- 3) The subject "Microprocessor and its Applications" in the III semester is modified by including some basics fundamentals and hence is renamed as "Fundamentals of Microprocessors"
- 4) The practical subject "8085 Microprocessor Interfacing Lab" in the III & IV semesters is modified by including some basics fundamentals and hence is renamed as "Microprocessor and Interfacing Lab"
- 5) The subject "8051 Microcontroller and Interfacing" in the V semester is modified by including a few applications and hence is renamed as "8051 Microcontroller and Applications"
- 6) The Skill Based Subject "Mobile Technology" in the V semester is restructured by including a few latest concepts and hence renamed as "Digital Cellular Technology"
- 7) New subject Commercial practices is included in the III semester with 2 extra credits as per the norms of the Bharathiar University
- 8) New Experiments were added in the Practical subjects for the familiarization in the field of Electronics and Communication and to provide hands on training with new instruments purchased through STAR scheme. Optical Fibre Communication and Networks and TCP/IP design have been introduced.
- 9) As per University norms, Unit -VI is incorporated in each course.

PG: M.Sc. Applied Electronics

According to the suggestion and the discussion with the Board members and Advisory Committee Members, the following modifications were done in the syllabi for the students admitted during the year 2022-23.

- 1) New Practical subjects such as Analog and Digital ICs Lab, Communication Systems Lab, IoT and Applications Lab were included in I, II and III semesters respectively.
- 2) The contents of the subject "Robotic Systems" in the I semester is restructured by including latest technology and hence and title is changed as "Robotic Technology"
- 3) The contents of the subject "Industrial Automation" in the II semester is restructured by including a few advance concepts related to PLC and title is changed as "Programmable Logic Controller"

- 4) The contents of the subject "VLSI Technology and VHDL Programming" in the III semester is restructured by including a few important concepts and title is changed as "Essentials of VLSI Technology and VHDL Programming"
- 5) Instructional Hours for Project Viva Voce is allotted.
- 6) As per University norms, Case Study is incorporated in each course under UNIT VI
- 7) To facilitate the students for the successful completion of UGC NET/SET examination, the PG syllabi is incorporated with more than 30% contents of UGC NET/SET syllabus under each course.
- 8) Extra two credits/ course will be awarded to the students those who are successfully completing courses through MHRD online learning resources such as NPTEL/SWAYAM/MOOC etc...
- 9) Communications system lab and IoT and applications lab have been introduced in the second and third semester.

Modifications: Title Change: UG


The following subjects title is modified with a new title after the approval with Board Members and Advisory Committee Members.

S.No	Semester	Old Title	New Title
1	I	Core I : Principles of Electronics	Core I : Basic.Electronics
2	II	Core V : Electronic Devices & Circuits	Core V Semiconductor Devices & Circuits
3	III	Core VII: Microprocessor and its Applications	Core VII : Fundamentals of Microprocessors
4	III & IV	Core IX : 8085 Microprocessor & Interfacing Lab	Core IX : Microprocessor & Interfacing Lab
5	V	8051 Microcontroller and Interfacing	8051 Microcontroller and Applications
6	V	Skill Based Course (SBC)- III Mobile Technology	Skill Based Course (SBC)- III Digital Cellular Technology

Modifications: Title Change: PG

The following subject title is modified with a new title after the approval with and Advisory Committee Members.

S.No	Semester	Old Title	New Title
1	I	Core III: Robotic Systems	Core III: Robotic Technology
2	II	Core VI: Industrial Automation	Core VI: Programmable Logic Controller
3	III	Core XI: VLSI Technology & VHDL Programming	Core XI: Essentials of VLSI Technology & VHDL Programming


(Dr.K.P.Vasudevan)

Chairman / Chair Person (BoS)

CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in ELECTRONICS Undergraduate (UG) and Postgraduate (PG) Programmes were conducted on 4th Jan 2023 at 10:30 am

The following members were present:

Chairman : Dr. K.P. VASUDEVAN

K.P. Vasudevan
4/1/2023

Members :

1. Dr. T. SIVAKUMAR

T. Sivakumar
4/1/23

2. Mr. PRAGATHEESWARAN

V.M. Pragatheeswaran
31/01/2023

3. Dr. P. GOWTHAMAN

P. Gowthaman
04/01/2023

4. Dr. V.JAGADHEESAN

V. Jagadheesan
04/01/23

5. Mr. D.MUTHTHAIYAN

D. Muththaiyan
04/1/23

6. Dr.G.MAHESH

G. Mahesh
04/01/2023

7. Dr. S. KARTHIK KANNAN

S. Karthik Kannan
04/1/23

8. Mr.K.SOLAI VIJAYAN

K. Solai Vijayan
4/1/23

9. Mr. S.SURYA BALA VIGNESH

S. Surya Bala Vignesh
4/1/23

Use this as a format

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of II semester of the UG Programmes for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The syllabi of IV semester of the UG Programmes for the students admitted during the academic year 2021 – 2022 and onwards were approved.
3. The syllabi of VI semester of the UG Programmes for the students admitted during the academic year 2020 - 2021 and onwards were approved.
4. The syllabi of II semester of the PG Programmes for the students admitted during the academic year 2022 - 2023 and onwards were approved.
5. The syllabi of IV semester of the PG Programmes for the students admitted during the academic year 2021 – 2022 and onwards were approved.
6. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
7. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.
8. <<<<< Department specific Board of Studies resolutions: >>>>>
9. Additional names for the panel of question paper setters and evaluators were included and it was approved.


Chairman / Chair Person (BoS)

Encl: Resolutions

CMS COLLEGE OF SCIENCE & COMMERCE (Autonomous)
CHINNAVEDAMPATTI, COIMBATORE-49
DEPARTMENT OF ELECTRONICS
Academic Year: 2022-2023

Board of Studies Meeting: II

DATE: 04.01.2023

UG: B.Sc. Electronics and Communication Systems

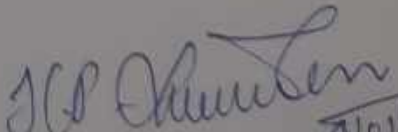
According to the suggestion and the discussion with the Board members and Advisory Committee Members, the following modifications were done in the syllabi for the UG students admitted during the year 2022-2023.

- 1) The contents of the subject "**Electronic Devices and Circuits**" in the II semester is restructured by including a few semiconductor devices and the title is changed as "**Semiconductor Devices and Circuits**".
- 2) The practical subject "**8085 Microprocessor Interfacing Lab**" in the III & IV semesters is modified by including some basics fundamentals and hence is renamed as "**Microprocessor and Interfacing Lab**".
- 3) New Experiments were added in the Practical subjects for the familiarization in the field of Electronics and Communication and to provide hands on training with new instruments purchased through STAR scheme.
- 4) The board has approved to conduct **Extra Disciplinary Courses** with Instructional hours of 30/Semester for the UG students of Electronics discipline as well as for other UG disciplines with 2 extra credits. The EDC to be offered in the third semester compulsorily for the UG students admitted during 2022-23. The board has also approved the syllabus of "**Fundamentals of Electronics**" as EDC for the UG students of other disciplines
- 5) The board has approved to conduct **Modular Course** with Instructional hours of 10/Semester for the students admitted in the year 2022 -2023 with 2 extra credits.
- 6) The UG students must undergo an **Inter Disciplinary Course** titled as "**Bioinstrumentation**" offered by the Department of Electronics and School of Biological Sciences during the 4th semester of their programme. Upon completion of the IDC, students are eligible to get 2 extra credits.

PG: M.Sc. Applied Electronics


According to the suggestion and the discussion with the Board members and Advisory Committee Members, the following modifications were done in the syllabi for the students admitted during the year 2022-23.

- 1) New Practical subject, "**Communication Systems Lab**", is included in the II semester for the PG students admitted in the year 2022-2023.
- 2) The contents of the subject "Industrial Automation" in the II semester is restructured by including a few advance concepts related to PLC and title is changed as "**Programmable Logic Controller**"
- 3) The board has approved to conduct **Extra Disciplinary Courses** with Instructional hours of 30/Semester for the PG students of Electronics discipline as well as for other PG disciplines with 2 extra credits. The EDC to be offered in the third semester compulsorily for the PG students admitted during 2022-23. The board has also approved the syllabus of "**Consumer Electronics**" as EDC for the PG students of other disciplines.
- 4) The board has approved to conduct **Modular Course** with Instructional hours of 10/Semester for the students admitted in the year 2022 -2023 with 2 extra credits.
- 5) Instructional Hours for Project Viva Voce is allotted.
- 6) As per University norms, Case Study is incorporated in each course under UNIT VI
- 7) To facilitate the students for the successful completion of UGC NET/SET examination, the PG syllabi is incorporated with more than 30% contents of UGC NET/SET syllabus under each course.
- 8) Extra two credits/ course will be awarded to the students those who are successfully completing courses through MHRD online learning resources such as NPTEL/SWAYAM/MOOC etc...


(Dr.K.P.Vasudevan)
2/10/2023

Chairman/Chair Person (BoS)




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NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

DEPARTMENT OF ENGLISH

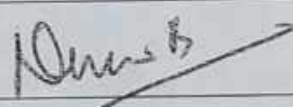
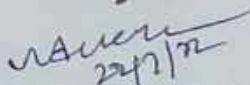
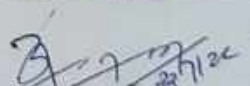
CMS COLLEGE OF SCIENCE AND COMMERCE (AUTONOMOUS)
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DEPARTMENT OF ENGLISH
Minutes of the BOS for B.A. English Literature, Degree Programme, 2022-25

DATE: 22.07.2022

The meeting of the 18th Board of Studies for B.A. English Literature was held at 09.30 a.m. on 22nd July 2022.

The following members of the BoS were present on the occasion -

Sl.No:	Name of the member	Signature
1	Mrs.B.Devarani (Chairman)	
2	Dr. R. Nirmala Devi (University Representative)	
3	Dr. R. Chandrasekar (Subject Expert)	
4	Dr. S. Selvalakshmi (Subject Expert from Karpagam University)	
5	Mr. S. Jaffer Basha (Member)	
6	Mr. K. Bhojarajan (Member)	
7	Mrs. R. Revathy (Member)	
8	R. G. Priyadharshini (Alumna)	




PRINCIPAL

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GENERAL RECOMMENDATIONS BY THE UG BOARD
UG ENGLISH LITERATURE

Changes in the syllabus for UG- BA English Literature- 2020 - 2023 Batch

- **CORE PAPER XVII – INTRODUCTION TO GREEN STUDIES** – in semester six syllabus modified.
Rabindranath Tagore's: Muktha Dhara replaced with **Ruskin Bond: Our Trees Still Grow in Dehra**, in unit V.
Removed topics from Unit I - William Howarth's - Ecocriticism in Context,
Karren J. Warren's - What are the Ecofeminists saying?
Removed topics from Unit III - Selections from Aldo Leopold's Sand Country Almanac (The Land Ethic)
- Semester five, paper –Shakespeare. Unit 3 & 4 converted from self study units to taught portions.
- Multiple Choice questions and Paragraph questions are equally taken from all five units. Hence detailed study and non-detailed study unit segregation has been removed from the following papers:

Part	Sub. Code	COURSE	Semester
III	53A	Core X – Shakespeare	5
III	63A	Core XIV - American Literature	6
III	63D	Core XVII - Commonwealth Literature	6

Changes in the syllabus for UG- BA English Literature- 2020 - 2023 Batch

- Multiple Choice questions and Paragraph questions are equally taken from all five units. Hence detailed study and non-detailed study unit segregation has been removed from the following papers:

Part	Sub. Code	COURSE	Semester
III	33B	Core Course VII - Indian Literature in English	3
III	43E	Elective II - World Classics	4

Changes in the syllabus for UG- BA English Literature- 2022 - 2025 Batch

- The following papers' (Core Courses, Electives, and Allied) Unit VI portions have been converted to Self study Portions. (Percentage of course content changes 16.6 %)
- An Extra credit course has been introduced (title) - **Commercial Practice** – students are eligible to get 2 extra credits for 50 total marks in semester III.
- An Extra credit, Inter-Disciplinary Course (IDC) has been introduced (title) – **VEDIC MATHEMATICS & COMPETITIVE ENGLISH** – students are eligible to get 2 extra credits for 50 total marks in semester IV.
- An extra credit course – titled **Professional English (24PE)** has been removed from semester one and two.

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DEPARTMENT OF ENGLISH

Minutes of the BOS for BA English Literature, Degree Programme, 2022-23

DATE: 04.01.2023

The meeting of the Board of Studies for BA English Literature (UG) was held at 09.30 a.m. on 04th January 2023 at Department of English. The following members of the board resolved to pass the syllabus with the below said changes.


The following members of the BoS were present on the occasion -

S. No.	Member Name	Category
1.	Ms.B.Devarani	Chairman
2.	Dr. R. Nirmala Devi	University Representative
3.	Ms.Rejitha G.S.	Industry Expert
4.	Dr. R. Chandrasekar	Subject Expert
5.	Dr. S. Selvalakshmi	Subject Expert
6.	Deepakraj. S	Alumni
7.	Mr. S. Jaffer Basha	Member
8.	Mr. K. Bhojarajan	Member
9.	Mrs. R. Revathy	Member

The following resolutions were made in the Board of Studies meeting:

1. The syllabi of II semester of the BA English Literature for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The syllabi of IV semester of the BA English Literature for the students admitted during the academic year 2021 - 2022 and onwards were approved.
3. The syllabi of VI semester of the BA English Literature for the students admitted during the academic year 2020 - 2021 and onwards were approved.
4. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved. Communicative English III & Communicative English IV have been introduced. for 2022 batch.
5. III BA, VI Semester, Core Paper- **Commonwealth Literature** instructional hours is increased from 3 hours to 4 hours.




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6. III BA, VI Semester, Core Paper – **American Literature** instructional hour is reduced from 6 hours to 5 hours.

7. III BA, VI Semester, Core Paper - **Commonwealth Literature**, UNIT IV ‘*House for Mr. Biswas*’ by Naipaul is replaced with Aravind Adiga’s ‘*The White Tiger*’

8. I BA, II Semester, Core Paper – **Poetry** – Unit III is included with William Wordsworth’s ‘*I wandered lonely as a cloud*’.

9. III BA, VI Semester, Core Paper – **Women’s Literature** – V Unit is included with ‘*Molly and James*’ a play by Sheila Walsh.



Chairman (BoS)

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DEPARTMENT OF ENGLISH

Minutes of the BOS for M.A. English Literature, Degree Programme, 2022-24

DATE: 22.07.2022

The meeting of the 18th Board of Studies for M.A. English Literature was held at 9.30 a.m. on 22nd July 2022.

The following members of the BoS were present on the occasion —

Sl.No:	Name of the member	Signature
1	Mrs.B.Devarani (Chairman)	
2	Dr. R. NirmalaDevi (University Representative)	 22/7/22
3	Dr. R. Chandrasekar (Subject Expert)	 22/7/22
4	Dr. S. Selvalakshmi (Subject Expert from Karpagam University)	 22/7/2022
5	Mr. S. Jaffer Basha (Member)	 22/7/22
6	Mr. K. Bhojarajan (Member)	 22/7/22
7	Mrs. R. Revathy (Member)	 22/7/22
8	R. G. Priyadharshini (Alumna)	

GENERAL RECOMMENDATIONS BY THE UG BOARD

Changes in the syllabus for PG- MA English Literature- 2021 - 2023 Batch

Multiple Choice questions and Paragraph questions are equally taken from all five units. Hence detailed study and non-detailed study unit segregation has been removed from the following paper:

Part	Sub. Code	COURSE	Semester
III	43D	Core XVIII – Nautical Literature	4

Changes in the syllabus for PG- MA English Literature- 2022 - 2024 Batch

- The following papers' (Core Courses & Electives) Unit VI portions have been converted to Self study Portions. (Percentage of course content changes 16.6 %)
- Entire Course titles & Syllabus for Modular papers one to eight are changed.

Paper	Title	Semester
Module I : Course I	Age of Chaucer 1343 -1450 (Teaching)	I
Module I : Course II	The Renaissance 1500-1600 (Self study)	
Module II : Course I	The Neoclassical Period 1600-1785 (Teaching)	II
Module II : Course II	The Romantic Period 1785-1832 (Self study)	
Module II : Course III	The Victorian Age 1832-1901 (Teaching)	III
Module III : Course I	The Modern Period Early 20th century (Self study)	
Module III : Course II	The Postmodern Period Mid-20th century (Teaching)	IV
Module III : Course III	History of Indian English Literature (Self study)	

- Students will be eligible for extra credits only on completion of the entire module.
- 25.8% of changes in nomenclature of the courses.

- Multiple Choice questions and Paragraph questions are equally taken from all five units. Hence detailed study and non-detailed study unit segregation has been removed from the following papers:

Part	Sub. Code	COURSE	Semester
III	13B	Core Course II - Drama I	1
III	13C	Core Course III - Children's Literature	1
III	23B	Core Course V – Drama II	2

- 11.6% of changes in nomenclature of the courses.

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DEPARTMENT OF ENGLISH

Minutes of the BOS for MA English Literature, Degree Programme, 2022-23

DATE: 04.01.2023

The meeting of the Board of Studies for MA English Literature (PG) was held at 09.30 a.m. on 04th January 2023 at Department of English. The following members of the board resolved to pass the syllabus with the below said changes.

The following members of the BoS were present on the occasion,

S. No.	Member Name	Category
10.	Ms.B.Devarani	Chairman
11.	Dr. R. Nirmala Devi	University Representative
12.	Ms.Rejitha G.S.	Industry Expert
13.	Dr. R. Chandrasekar	Subject Expert
14.	Dr. S. Selvalakshmi	Subject Expert
15.	Deepakraj. S	Alumni
16.	Mr. S. Jaffer Basha	Member
17.	Mr. K. Bhojarajan	Member
18.	Mrs. R. Revathy	Member

The following resolutions were made in the Board of Studies meeting:

1. The syllabi of II semester of the MA English Literature for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The syllabi of IV semester of the MA English Literature for the students admitted during the academic year 2021 - 2022 and onwards were approved.
3. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
4. II MA, IV Semester, Core Paper – **Feminist Literature** – UNIT VI is included with Chitra Bannerji’s *‘The Forest of Enchantments’*.
5. II MA, IV Semester, Core Paper – **Nautical Literature**: Following are the changes
 - I UNIT – Poetry: *Sea Calm* of Langston Hughes is removed and Marianne Moore’s *‘The Fish’* is included. *Dover Beach* by Mathew Arnold is removed.
 - II UNIT – Prose: **Lectures on Maritime Studies** is included

- IV UNIT – *Life of Pi* of Yann Martel is removed and replaced with Rudyard Kipling's *Captains Courageous*. *Chemmeen* by Anita Nair, *Robinson Crusoe* by Daniel Defoe are removed
- V UNIT – Short Stories are removed and replaced with '*Youth: A Narrative*' by Joseph Conrad, Somerset Maugham's '*Rain*' and Edgar Allan Poe's '*MS Found in a Bottle*'
- VI UNIT – Movies are introduced
 - *The Life of Pi*
 - *Into the Deep: America, Whaling and the World*
 - *Master and Commander*

6. I MA **Victorian Age** Unit V drama *Second Mrs. Tanquary* replaced with Bernard Shaw's '*The Apple Cart*'

Quarani.B
Chairman (BoS)



J. S. S. S.
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NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

DEPARTMENT OF MANAGEMENT

**CMS COLLEGE OF SCIENCE AND COMMERCE
COIMBATORE- 641049
(Autonomous with CBCS)**

**DEPARTMENT OF MANAGEMENT
(BBA & BBA CA)
MINUTES OF BOARD OF STUDIES - July 2022**

VENUE: DEPARTMENT OF MANAGEMENT

Date: 20.07.2022

The Meeting of Board of studies (BBA & BBA CA) was conducted on 20.07.2022, in the Department of Management. The members of the Board verified and approved the syllabus, scheme of examination and question paper pattern.

The following members were present:

External Members

Name and address	Designation	Signature
1. Dr. Lydia H.Swamy Head - Dept of Business Administration Nirmala College for Women, Coimbatore	University Representative	 20.07.22
2. Dr. Anand Gerald Head- Department of Management Bishop Ambrose College Coimbatore	Subject Expert	
3. Dr. PA.Padmaavathy Department of Management Karpagam Academy of Higher Education, Coimbatore	Advisory committee member	 20/7/22
4. Mr.S.R.Selva Managing Director ESSARR Steels, Coimbatore	Industrialist	 20/7/22
5. Mr.Vishnu prasaad Executive, Aditya Starch industries, Coimbatore	Alumni	
6. Mr. Dhinesh S Student Representative.	Student Representative	 S.D.S

The minutes is as follows

DEPARTMENT OF MANAGEMENT

ACADEMIC YEAR: 2022-2023

MINUTES OF BOS

DATE: 20.07.2022

According to the suggestion and the discussion with the Board members, Advisory committee members and Industry Expect the following modification were done in the syllabus for BBA & BBACA during the year 2022-2023.

1. The contents of the subject Management concept in the I semester is restructured by including some of the basic principles of management and title is changed as "Elements of Management". (BOTH BBA & BBA CA)
2. The subject Business organization & Environment in the first semester had added with few more concept of business organization and its been renamed as Organizational Behaviour. (BOTH BBA & BBA CA)
3. IT for managers in the first semester and Information systems for business in the second semester are merged together and title as Computer Basics for Management.(BBA)
4. The subject Introduction to Computers in the first semesters is incorporated with computer Networks and artificial Intelligence in the syllabus. (BBA CA)
5. The contents of the subject Operations Management in the III semester for second year BBA & BBA CA is modified by including some the basics functions and Bench marking.
6. Marketing management subject for second years, unit III & IV had been changed with few concepts. (BOTH BBA & BBA CA)
7. Practical paper MS- OFFICE in III SEM for BBA & BBA CA two more programmes are included
8. The subject Taxation Law and Practice for BBA & BBA CA in III SEM for 2nd years few concepts for GST and its Uniqueness where incorporated
9. Elective paper Corporate Law is restructured by including various changes in the syllabus. (BOTH BBA & BBA CA)
10. Skill based course – Soft skills for Managers syllabus is been approved by the Board members. (BOTH BBA & BBA CA)
11. The contents of the subject Man power management & Psychology is been incorporated with HR. (BOTH BBA & BBA CA)
12. The Advertisement and Sales Promotion for BBA syllabus is been with new concepts of advertisement in the market
13. The subject Modern Office management syllabus had been included with office management current concepts. (BOTH BBA & BBA CA)
14. The content of the subject Banking Operations is been incorporated with the new changes in RBI rules and Regulations.
15. The Board had suggested the give internship for II years during IV semester.
16. For BBA CA the subject Introduction the Multimedia is restructured by including development, Designing the text and Image output on Monitor.

17. New subject Commercial Practices is included in the III semester with 2 extra credits as per the norms of the Bharathiar University.

18. As per University Norms, Unit- VI is incorporated in each course.

19. Business Ethics and Corporate Social Responsibility has been introduced as elective course and Intellectual Property has been introduced as skilled based course.

Modifications: Title Change: BBA & BBA CA

The following subject title is modified with a new title after the approval with Board Members and Advisory Committee Members

S.No	Semester	Old Title	New Title
1.	I	Core I: Management Concepts	Core I: Essentials of Management
2.	I	Core III: Business Organization & Environment	Core II: Organizational Behaviour
3.	III	Core VII : Operations Management	Core VII: Production and Operations Management
4.	III	Core IX: MS – OFFICE Practical	Core IX : Office Automation
5.	III	Allied III – Taxation Law and practice	Allied III – Income Tax Law and practice
6.	IV	Core X – Man power Management & Psychology	Core XI – Human resource management
7.	IV	Core XI – Advertisement and sales Promotion	Allied IV – Advertisement and Public Relations
8.	V	Core XIII – Insurance	Core XV – Insurance Principles and Practice

New Subject Introduced 2022 Batch

S.No	Semester	New subject
1.	I	Core III – Computer Basics for Management - BBA
2.	II	Core VI – Corporate Communication - BBA
3.	III	CLP – Commercial Practice – BBA & BBA CA
4.	VI	Core XVIII – SPSS Practical – BBA CA



J. S. Srinivasan
PRINCIPAL

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Dr. P. Rekma
Dr. P. REKMA

Chairman (BOS)

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Boards of Studies Member List
Academic Year – 2022 - 2023

Name of the Board : Management

BOS Meeting Date :04.01.2023

S. No.	Member Name	Category	Designation & Address
1.	Mr.S.Manoj kumar	Chairman	Head & Assistant Professor, Dept. of Management, CMS College of science and Commerce, Coimbatore
2.	Dr.Lydia H.Swamy	University Representative	Head, Dept. of Business Administration, Nirmala College for Women, Coimbatore
3.	Mr.S.R.Selva	Industry Expert	Managing Director, ESSARR Steels Pvt. Ltd., Coimbatore
4.	Dr.Anand Gerald	Subject Expert (External)	Head, Dept. of Management, Bishop Ambrose College, Coimbatore
5.	Dr.P.A.Padmaavathy	Subject Expert (External)	Assistant professor, Department of Management, Karpagam Academy of Higher Education, Coimbatore
6.	Mr.Vishnu prasaad	Alumni	Executive, Aditya Starch Industries, Coimbatore.
7.	Mrs.K.Kavitha	Member (Internal)	Assistant Professor, Dept. of Management, CMS College of Science and Commerce, Coimbatore.
8.	Dr.T.Revathi	Member (Internal)	Assistant Professor, Dept. of Management, CMS College of Science and Commerce, Coimbatore.
9.	Dr.Subha Chelliappan	Member (Internal)	Assistant Professor, Dept. of Management, CMS College of Science and Commerce, Coimbatore.
10.	Mr.Dhinesh	Student Representative	Student, BBA CA Dept. of Management CMS College of Science and Commerce, Coimbatore.


Signature of the Chairman

CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049

Academic Year: 2022-2023 (Board of Studies Meeting: II)


The meeting of the Board of Studies in Management, Undergraduate Programme (UG) was conducted on 4th Jan 2023 at 10:30 am

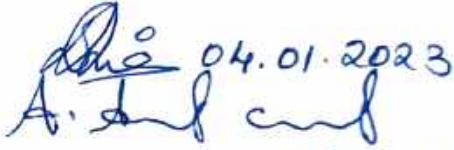
The following members were present:

Chairman : Mr.S.Manoj kumar

Members :

1. Dr.Lydia H.Swamy
2. Dr.Anand Gerald
3. Dr.P.A.Padmaavathy
4. Mr.S.R.Selva
5. Mr.Vishnu prasaad
6. Mrs.K.Kavitha
7. Dr.T.Revathi
8. Dr.Subha Chelliappan
9. Mr.Dhinesh


04/01/2023
Signature


04.01.2023
A. Anand Gerald
4/1/23
Padmaavathy 4/1/23


04/01/2023


04/01/23
T. Revathi
4/1/23


4/1/23


4/1/23

The following resolutions were made in the Board of Studies meeting,

1. The syllabi for the II semester of UG Programme, for the students admitted during the academic year 2022- 2023 were approved.
2. The syllabi for the IV semester of UG Programme, for the students admitted during the academic year 2021 - 2022 approved.
3. The syllabi for the VI semester of UG Programme, for the students admitted during the academic year 2020- 2021 were approved.
4. The Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved for the programmes – BBA, BBA CA and BBA Aviation Management.
5. The Choice Based Credit System (CBCS), Learning Outcomes based Curriculum Framework (LOCF), Scheme of Examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 and were finalized.
6. In the course entitled managerial economics the following changes were made
 - Demand Analysis and elasticity of demand was moved from unit II to Unit I and the title Law of demand was included
 - In unit II – Factor of production, Law of diminishing returns and Law of variable proportions, and BEP were added, and the titles cost and revenue is moved from unit III to Unit II
 - In Unit III- pricing under perfect competition and price discrimination were added and the market structures (Monopoly, oligopoly) was moved from Unit IV to unit III
 - In unit IV, the economic theories – marginal productivity theory, Keynes's liquidity theory and theories of profit were included.
7. In the course titled Organizational Behaviour, the topic "group cohesiveness" was included in the Four unit.
8. In the course titled Global Business Management the topic "orders" from the unit III is removed.
9. In the course titled corporate communication, the following topics -"types of communication, Formal and informal communication, verbal and nonverbal communication "were included in the Unit II. The topics group discussion, seminar was moved from unit II to Unit IV.
10. In the course titled "Essentials of Management" the syllabus was arranged in POSDCORB

Model and in the unit III- MBO, MBE, MBW was included.

11. Suggested to introduce at least one specialization paper (HR, Sys, Finance and Marketing) in each group.
12. Suggested to change the nomenclature of the course "Introduction to Computers" as "Introduction to Information technology" from 2023-24 onwards and the same course can be followed for BBA and BBA Aviation Management, instead of the course – Computer basics for Management
13. Additional names for the panel of question paper setters and evaluators were included and it was approved.

Chairman / Chair Person (BoS)



PRINCIPAL

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NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

DEPARTMENT OF MATHEMATICS

CMS COLLEGE OF SCIENCE AND COMMERCE
DEPARTMENT OF MATHEMATICS

Board of Studies Meeting

20-7-2022

Agenda

1. Scheme of B. Sc Mathematics (2022-2025) to be passed
 - (i) Sem I- Calculus (13 B) renamed as Calculus with Scilab
 - (ii) Sem I- Mathematical Statistics I with SPSS (1AA) to be revised.
 - (iii) SemI - MS Office and Advanced Excel (13 P) New Programs to be added
 - (iv) Sem II - Mathematical Statistics II with SPSS (2AA) to be renamed.
 - (v) Sem V - New Core Course – Graph Theory(53D) to be introduced.
 - (vi) SemV - New Core Course – Complex Analysis I (53B) to be introduced.
 - (vii) Sem VI- New paper – Complex Analysis II (63B) to be introduced




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CMS COLLEGE OF SCIENCE AND COMMERCE (AUTONOMOUS)

Chinnavedampatti, Coimbatore – 641 049
Board of Studies Members List

Academic Year : 2022 – 2023

Name of the board : Mathematics

BOS Meeting Date : 20/07/2022









S.No.	Member Name	Category	Designation & Address
1.	Dr. D.Sreeja	Chairman	Head i/c & Associate Professor, Department of Mathematics, CMS College of Science and Commerce, Coimbatore
2.	Dr. R. Lakshmi	University Representative	Assistant Professor, PSGR Krishnammal College for Women, Coimbatore.
3.	Dr. A. K. Abdul Hakeem	Subject Expert	Assistant Professor, Department of Mathematics, SRMV College of Arts & Science, Coimbatore-641 020
4.	Dr. K. Kalidass	Subject Expert	Professor, Department of Mathematics, Karpagam Academy of Higher Education, Coimbatore- 641021
5.	Mr. Ayyappan Senthil	Industry Expert	Test Analyst, CTS, Coimbatore
6.	Ms. Mayuria	Alumni	PG Assistant, Ashram Matriculation Higher Secondary School, Perur, Coimbatore
7.	Dr. Vidhya Menon	Member (Internal)	Assistant Professor, Department of Mathematics, CMS College of Science and Commerce, Coimbatore
8.	Mr. P . Kanibose	Member (Internal)	Assistant Professor, Department of Mathematics, CMS College of Science and Commerce, Coimbatore
9.	Dr. S. Uma Maheswari	Member (Internal)	Associate Professor, Department of Mathematics, CMS College of Science and Commerce, Coimbatore
9.	Diagnous Swetha	Student	II M. Sc Mathematics, Department of Mathematics, CMS College of Science and Commerce, Coimbatore



Dr. D.Sreeja

Head i/c

Signature of the Chairman

S.No	Member Name	Category	Signature
1	Dr. D.Sreeja	Chairman	
2	Dr. R. Lakshmi	University Representative	
3	Dr. A. K. Abdul Hakeem	Subject Expert	
4	Dr. K. Kalidass	Subject Expert	
5	Mr. Ayyappan Senthil	Industry Expert	
6	Ms. Mayuria	Alumni	
7	Dr. Vidhya Menon	Member (Internal)	
8	Mr. P . Kanibose	Member (Internal)	
9	Dr. S. Uma Maheswari	Member (Internal)	
10	Diagnous Swetha	Student	

CMS COLLEGE OF SCIENCE AND COMMERCE
DEPARTMENT OF MATHEMATICS
BOARD OF STUDIES MEETING
MINUTES

DATED 20-7-2022

Approved the following

UG

1. Scheme of B. Sc Mathematics (2022-2025) to be passed

(i) Sem I- Calculus (13 B)

Renamed as Calculus with Scilab (13 B)

Syllabus is revised. Problems solving using SCILAB content is added in Unit I- Unit V

(ii) Sem I- Mathematical Statistics I (1AA)

Renamed as Mathematical Statistics I with SPSS

Syllabus is revised (Unit II shifted to Unit V).

(iii) Sem I - MS Office and Advanced Excel (13 P)

New programs is added.

(iv) Sem II - Mathematical Statistics II (2AA)

Renamed as Mathematical Statistics II with SPSS (2AA)

Syllabus is revised- Unit I, Unit II (include Problems solving using SPSS).

(v) Sem V - New Core Course – Graph Theory(53D) is introduced.

(vi) SemV - New Core Course – Complex Analysis I (53B) is introduced.

(vii) Sem VI- New Core Course – Complex Analysis II (63B) is introduced

(viii) R Programming Lab has been introduced as new course.

2. For B.Sc Mathematics (2022-2025) batch onwards

Elective III Discrete Mathematics (53E), syllabus is revised (Unit V Graph theory to be removed).

3. Introduction of Extra Credit Courses for B.Sc Mathematics from 2022-2025 batch onwards for “50 marks”(Internal -25, External -25) with extra 2-credits.

(i) Sem III -Commercial Practice (CLP)

(ii) Sem IV- Inter Disciplinary Course (IDC)

4. Sem I - MS Office and Advanced Excel (13 P) is renamed as Mathematical Modeling with Excel for (2023-2026) batch onwards

5. Inter Disciplinary Course -Vedic Mathematics and Competitive English is introduced from 2022-25 batch onwards

Allied

1. B.Sc AI &ML (2022-2025) batch onwards

(i) Sem I - Syllabus of Discrete Mathematics (1AA) is passed.

(ii) Sem - Syllabus of Applied Mathematics (1AA) is passed

2. B.Sc Cyber Security and Forensic Science (2021-2024) batch onwards

Sem III -Mathematics III (3AA), syllabus is revised.

Unit I –LPP and Simplex Method

Unit II – Transportation Problems

Unit III- Arithmetic Progression

Unit IV- Graph Theory

Unit V – PERT & CPM

3. BBM/ BBM CA/ (2022-2025) batch onwards the syllabus is passed

(i) Sem I- Operations Research,

(ii) Sem II- Business Statistics

4. B. Com PA/ B. Com AF (2022-2025) batch onwards

(i) Sem I QT I – Mathematics for Business (1AA) is renamed as Mathematics for Business (1AA) .

Syllabus is revised.(Same as I B.Com -I sem)

(ii) Sem II QT II – Statistics (2AA) is renamed as Business Statistics (2AA)

Syllabus is revised.(Same as I B.Com – II sem)

5. B.Sc BT/BC/MB (2022-2025) batch onwards

Sem III - Basic Mathematics with Computer Applications syllabus is revised

Dr. D.Sreeja

Head i/c

Signature of the Chairman



PRINCIPAL
C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049

DEPARTMENT OF MATHEMATICS

Board of Studies - 04/01/2023

Agenda

Following course syllabus to be discussed

S.No	Course (Existing)	Changes
1	B.Sc Mathematics (2022-25) Sem II - ANALYTICAL GEOMETRY & VECTOR CALCULUS	Unit I- Tangency of a sphere to be included
2	B.Sc Mathematics (2022-25) Sem II - MATHEMATICAL STATISTICS-II WITH SPSS	Unit IV , Unit V to be revised
3	B.Sc. PSYCHOLOGY(2021-2024) Sem IV-STATISTICS -II	Unit I-IV to be revised

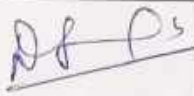
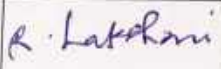


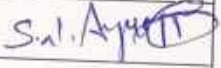

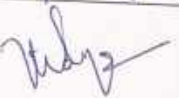

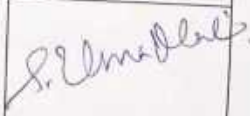

CMS COLLEGE OF SCIENCE AND COMMERCE (AUTONOMOUS)

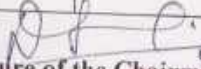
Chinnavedampatti, Coimbatore - 641 049
Board of Studies Members List

Academic Year : 2022 - 2023

Name of the board : **Mathematics**

BOS Meeting Date : **04/01/2023 (Even)**

S.No.	Member Name	Category	Designation & Address	Signature
1.	Dr. D.Sreeja	Chairman	Head & Associate Professor, Department of Mathematics, CMS College of Science and Commerce, Coimbatore	
2.	Dr. R. Lakshmi	University Representative	Assistant Professor, PSGR Krishnammal College for Women, Coimbatore.	
3.	Dr. A. K. Abdul Hakeem	Subject Expert (External)	Assistant Professor, Department of Mathematics, SRMV College of Arts & Science, Coimbatore-641 020	
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5.	Mr. Ayyappan SN	Industry Expert	Test Analyst, CTS, Coimbatore	
6.	Ms. Mayuria	Alumni	PG Assistant, Ashram Matriculation Higher Secondary School, Perur, Coimbatore	
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8.	Mr. P . Kanibose	Member (Internal)	Assistant Professor, Department of Mathematics, CMS College of Science and Commerce, Coimbatore	
9.	Dr. S. Uma Maheswari	Member (Internal)	Associate Professor, Department of Mathematics, CMS College of Science and Commerce, Coimbatore	
10.	Diagnous Swetha	Student	II M. Sc Mathematics, Department of Mathematics, CMS College of Science and Commerce, Coimbatore	


Signature of the Chairman 04/01/23




PRINCIPAL

C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049

CMS COLLEGE OF SCIENCE AND COMMERCE
DEPARTMENT OF MATHEMATICS
BOARD OF STUDIES MEETING
MINUTES

DATED 04-01-2023

Approved the following-

UG

- **I B.Sc. Mathematics**

- Semester II - Analytical Geometry & Vector Calculus**

- Unit I – Tangency of a sphere to be included.
Equation of a circle to be deleted.
 - Unit V – Tittle to be inserted as Vector Integration.

- Semester II - Mathematical Statistics II with SPSS**

- Unit IV - c-Chart to be deleted.
 - Unit V - Double sampling plan- OC curve for double sampling plan to be deleted.

- Semester II - R- Programming lab syllabus**

- Discussed and the programs are finalised.

Allied Papers

- **II B.Sc psychology**

Semester IV - Statistics II

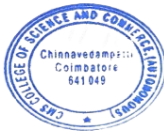
- Unit I - Changed to Correlation and Regression
- Unit II - Changed as Index Numbers
- Unit III - Time series Analysis included instead of existing unit.
- Unit IV - Changed to Testing of Hypothesis.



Dr. D.Sreeja

Head

Signature of the Chairman



PRINCIPAL

**C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049**

CMS COLLEGE OF SCIENCE AND COMMERCE
DEPARTMENT OF MATHEMATICS

Board of Studies Meeting

20-7-2022

Agenda

1. Scheme of M. Sc Mathematics (2022-2024) to be passed
Sem I Core Course Latex (Theory Only) to be revised



CMS COLLEGE OF SCIENCE AND COMMERCE (AUTONOMOUS)

Chinnavedampatti, Coimbatore – 641 049
Board of Studies Members List

Academic Year : 2022 – 2023

Name of the board : Mathematics






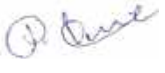


BOS Meeting Date : 20/07/2022

S.No.	Member Name	Category	Designation & Address
1.	Dr. D.Sreeja	Chairman	Head i/c & Associate Professor, Department of Mathematics, CMS College of Science and Commerce, Coimbatore
2.	Dr. R. Lakshmi	University Representative	Assistant Professor, PSGR Krishnammal College for Women, Coimbatore.
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9.	Dr. S. Uma Maheswari	Member (Internal)	Associate Professor, Department of Mathematics, CMS College of Science and Commerce, Coimbatore
9.	Diagnous Swetha	Student	II M. Sc Mathematics, Department of Mathematics, CMS College of Science and Commerce, Coimbatore

Dr. D.Sreeja

Head i/c

Signature of the Chairman

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3	Dr. A. K. Abdul Hakeem	Subject Expert	
4	Dr. K. Kalidass	Subject Expert	
5	Mr. Ayyappan Senthil	Industry Expert	
6	Ms. Mayuria	Alumni	
7	Dr. Vidhya Menon	Member (Internal)	
8	Mr. P . Kanibose	Member (Internal)	
9	Dr. S. Uma Maheswari	Member (Internal)	
10	Diagnous Swetha	Student	

**CMS COLLEGE OF SCIENCE AND COMMERCE
DEPARTMENT OF MATHEMATICS
BOARD OF STUDIES MEETING
MINUTES**

DATED 20-7-2022

Approved the following

PG

1. Scheme of M. Sc Mathematics (2022-2024) is passed

- (i) Sem I - Core Course Latex (Theory Only) is revised.
- (ii) Sem I - Core Course Real Analysis, the syllabus is revised.
- (iii) Sem II- Core Course Differential Geometry, the syllabus is revised.
- (v) Case study to be implemented in Unit V for all the courses.

2. M.Sc Mathematics (2021-2023) batch onwards

- (i) SemIII - Core Practical Java Programming Lab(33P) , syllabus is revised.
- (ii) Sem IV - Core Course Functional Analysis (43A) , syllabus is revised .
- (iii) Sem IV - Advanced Operations Research (43D) syllabus is revised (sequencing to be added in unit V)

3. For M. Sc Mathematics (2022-2024) batch onwards at least one online course must be completed (2 extra credit) before the completion of the programme.

4. To implement NET/ SET syllabus for PG Courses to certain extent.

5. To implement and allot one hour per week for library for 2022 (UG &PG) batch onwards.

6. To allot 3 hours per week for placement for 2022 (UG &PG) batch onwards.

7. Sem III- Core practical Java Programming Lab (33P), is renamed as Java Programming Lab with J2EE Basics from (2023-2025). batch onwards.

Allied

1. M.Sc Data Analytics(2022-2024) batch onwards

(i) Sem I- Mathematics for Computing (1AA) is renamed as Mathematics for Data Analytics and syllabus to be revised (Unit II Inverse Laplace Transform to be included)

(i) Sem II- Operations Research (2AA) ,syllabus is revised

Unit I - Upto Simplex Method

Unit II - Artificial variables –convex optimization.

Unit III - Duality –Branch and Bound

(iii) Sem III- Multivariate Analysis (3AA), syllabus is passed.

2. MCA (2022-2024) batch onwards

Operations Research(1AA) syllabus is passed



Dr. D.Sreeja

Head i/c

Signature of the Chairman

DEPARTMENT OF MATHEMATICS

Board of Studies - 04/01/2023

Agenda

Following course syllabus to be discussed

S.No	Course (Existing)	Changes
1	M.Sc Mathematics(2021-2023) Sem IV – ADVANCED OPERATIONS RESEARCH	Unit I, II V to be revised
2	M.SC DATA ANALYTICS (2022-2024) Sem II - OPERATIONS RESEARCH	Unit I & II to be revised


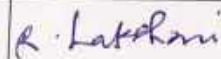
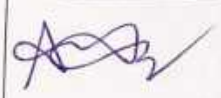

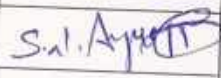

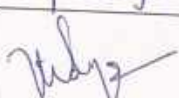
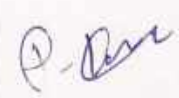
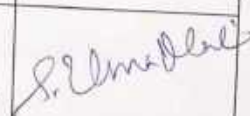

CMS COLLEGE OF SCIENCE AND COMMERCE (AUTONOMOUS)

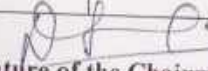
Chinnavedampatti, Coimbatore - 641 049
Board of Studies Members List

Academic Year : 2022 - 2023

Name of the board : **Mathematics**

BOS Meeting Date : **04/01/2023 (Even)**

S.No.	Member Name	Category	Designation & Address	Signature
1.	Dr. D.Sreeja	Chairman	Head & Associate Professor, Department of Mathematics, CMS College of Science and Commerce, Coimbatore	
2.	Dr. R. Lakshmi	University Representative	Assistant Professor, PSGR Krishnammal College for Women, Coimbatore.	
3.	Dr. A. K. Abdul Hakeem	Subject Expert (External)	Assistant Professor, Department of Mathematics, SRMV College of Arts & Science, Coimbatore-641 020	
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10.	Diagnous Swetha	Student	II M. Sc Mathematics, Department of Mathematics, CMS College of Science and Commerce, Coimbatore	


Signature of the Chairman 04/01/23

CMS COLLEGE OF SCIENCE AND COMMERCE

DEPARTMENT OF MATHEMATICS

BOARD OF STUDIES MEETING

MINUTES

DATED 04-01-2023

Approved the following-

PG

- **I M.Sc Mathematics**

- Semester II - Mathematical Statistics**

- Unit I - 3.1 to 3.7 to be included. Other contents to be deleted.
 - Unit II - Sections up to Probability Generating Functions.
 - Unit III - Starts from the topic Some Probability Distributions up to Beta distributions.
 - Unit IV - Limits and theorems, Few Theorems to be included from limits and theorems chapter (6.1 -6.9)
 - Unit V - Sample moments and their functions (9.1 -9.7) to be included instead of existing Unit V

- **II M.Sc Mathematics**

- Semester IV - Advanced Operations Research**

- Unit I - Sections from Formulation to Two Phase Method
 - Unit II - Queuing systems instead of existing unit II
 - Unit V - Game theory and Sequencing problem to be included.

Allied

- **II M.Sc Data Analytics**

- Semester II – Operations Research**

- Unit II - Simplex Method to be shifted from unit I to unit II .
 - Deletion of n bound solutions, introduction to optimization gradient, descent method, convex optimization.




Dr. D.Sreeja

Head

Signature of the Chairman




PRINCIPAL
C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049



CMS COLLEGE OF SCIENCE AND COMMERCE

Affiliated to Bharathiar University, NAAC: Re-Accredited at the "A+" Level

CHINNAVEDAMPATTI, COIMBATORE – 641 049.

NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

DEPARTMENT OF PHYSICAL EDUCATION

**CMS COLLEGE OF SCIENCE & COMMERCE, (Autonomous)
COIMBATORE**

DEPARTMENT OF PHYSICAL EDUCATION

The Board of Studies Meeting of the Department of Physical Education will be held on 20.07.2022 at 12.00 pm in the Department of Physical Education, CMS College of Science and Commerce, Coimbatore.

The following agenda will be discussed in the meeting.

AGENDA

1. Proposed new scheme & syllabus for the students to be admitted in the year 2022– 23 onwards for B.Sc. Physical Education course to finalize and approve.
2. Scheme and syllabus for the 3rd and 4th semester students admitted in the year 2021– 22 to be discussed.
3. Scheme and syllabus for the 5th and 6th semester students admitted in the year 2020– 21 to be discussed.
4. Proposed scheme & syllabus for the students to be admitted in the year 2022– 23 onwards for PG Diploma in Fitness Education.
5. Professional English subject to be removed from the course Scheme from the year 2022-2023.
6. IDC course will be discussed and finalized with members and finalized combined with the department of B.Sc., IT.



J. S. S. S.
PRINCIPAL

**C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049**

PROCEEDINGS OF THE MEETING

- The Chairman of the BOS Mr. Devaraj. C welcomed all the members and briefed them about the progress of the Department of Physical Education. The BOS members expressed their high appreciation and satisfaction about the courses and activities of the Department.
- The board reviewed the course, scheme, scheme of examinations and syllabi of B.Sc., Physical Education course and P.G. Diploma course in Fitness Education for those admitted in the year 2020 -21, 2021-22 and 2022-23. The following are the resolutions are made after deliberations and detailed discussions.
- The meeting ended with a vote of thanks by Dr. Senthilkumar. K.

THE FOLLOWING CHANGES WERE MADE

1. The Board resolved to approve regulations, revised course scheme, scheme of examination and syllabus of B.Sc Physical Education with suggested corrections and modification made by the board for students admitted from the year 2022-23.
2. Compare to 2021 batch scheme one new course Sports journalism introduced in the sixth semester for admitted from the year 2022-23 batch.
3. No changes in the scheme & syllabus for the 3rd and 4th semester for the students admitted in the year 2021 batch and 2022 batch.
4. No changes in the scheme & syllabus for the 5th and 6th semester for the students admitted in the year 2020 batch and 2021 batch.
5. The Board approves the Professional English subject to be removed from the course Scheme from the year 2022- 2023.
6. The Board resolved and approved the scheme of examination and syllabus of PG Diploma in Fitness Education Course followed in 2020-2021 board of study for the students admitted from the year 2021-22.
7. The Inter disciplinary Course Resolved and approved in the 4th semester as optional for the students of B.Sc. Physical Education students admitted from the year 2022-23.

The following members will attend the meeting:

1. Dr. P. Anbalagan (University Member)

Professor

Department of Physical Education, Bharathiar University,
Coimbatore, 0422 2428575, anbalagan@buc.edu.in

2. Dr.(Mrs). T . Shanmugavalli (Member)

Head & Associate Professor

Department of Physical Education Avinashilingam Institute for Home
Science and Higher Education for Women, Coimbatore.

3. Dr. R. Giridharan (Member)

Associate Professor and Head

Ramakrishna mission Vivekananda Educational & Research Institution
General Adapted Physical Education and Yoga
Coimbatore

4. Mr. Devaraj. C (Member) (Chairman),

Assistant Professor & Head,

Department of Physical Education,

CMS College of Science and Commerce, Coimbatore

5. Dr. C. Sivakumar,

Principal,

PPG College of Physiotherapy,

Coimbatore.

6. Dr. Senthilkumar. K (Member)

Assistant Professor

CMS College of Science and Commerce, Coimbatore

7. Mr.M.Vimalraj(Member)

Assistant Professor

CMS College of Science and Commerce, Coimbatore

8. Mr. P.Suresh(Member)

Assistant Professor

CMS College of Science and Commerce, Coimbatore

9. Mr.M. Pratheepkumar (Alumni)

DINDUGAL

10. MUTHUSAMY

Head of the Department

Principal

1

**CMS COLLEGE OF SCIENCE & COMMERCE, (Autonomous)
COIMBATORE**

DEPARTMENT OF PHYSICAL EDUCATION

The Board of Studies Meeting of the Department of Physical Education will be held on 06.01.2023 at 10.30 am in the Department of Physical Education, CMS College of Science and Commerce Coimbatore.

The following agenda will be discussed in the meeting.

AGENDA

The following resolutions were made in the Board of Studies meeting.

1. The syllabi of II semester of the UG Programmes (**B.Sc Physical Education**) for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The syllabi of IV semester of the UG Programmes (**B.Sc Physical Education**) for the students admitted during the academic year 2021 - 2022 and onwards were approved.
3. The syllabi of VI semester of the UG Programmes (**B.Sc Physical Education**) for the students admitted during the academic year 2020- 2021 and onwards were approved.
4. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
5. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.
6. The syllabi of I & II semester of the PG Programmes (PG Diploma in Fitness Education) for the students admitted during the academic year 2022 - 2023 and onwards were approved.
7. IDC course will be discussed and finalized with members and finalized combined with the Department of information technology.

Chairman / Chair Person (BOS)

PROCEEDINGS OF THE MEETING

- The Chairman of the BOS Mr. Devaraj. C welcomed all the members and briefed them about the progress of the Department of Physical Education. The BOS members expressed their high appreciation and satisfaction about the courses and activities of the Department.
- The board reviewed the course, scheme, scheme of examinations and syllabi of B.Sc., Physical Education course and P.G. Diploma course in Fitness Education for those admitted in the year 2020 -21, 2021-22 and 2022-23. The following are the resolutions are made after deliberations and detailed discussions.
- The meeting ended with a vote of thanks by Dr. Senthilkumar. K.

THE FOLLOWING CHANGES WERE MADE

1. The Board resolved to approve regulations, revised course scheme, scheme of examination and syllabus of B.Sc Physical Education with suggested corrections and modification made by the board for students admitted from the year **2022-23**.
2. **2020 Batch 6th semester subject Sports training** unit's topics changes discussed. (Weight training, Plyometric training and Resistance training removed from the 5th unit & this three topic shifted to 4th unit and the new topic of Talent identification process and procedure is added in the 5th Unit.)
3. **2020 batch 6th semester subject Exercise physiology** unit's topics changes discussed. (Changes in the unit I additionally added new topics, from unit I shifted to unit II in the topics of skeletal muscle, microscopic 10 structure of the muscle fiber, function, types of muscle fibers and their physical properties.)
4. **2021 Batch 5th and 6th semester Core practical inter changes** discussed.
 - a) 5th semester **Core practical** - Project sports meet, teaching practice and leadership training camp shifted to 6th semester.)
 - b) 6th semester **Core practical** - Syllambam, Gymnastics, Taekwondo , Karate. Weight lifting & Power lifting shifted to 5th semester)
5. No change in the **PG Diploma in Fitness Education** Scheme & syllabus for the students to admitted in the year 2022– 23

The following members will attend the meeting:

1. Dr. P. Anbalagan (University Member)
Professor
Department of Physical Education, Bharathiar University,
Coimbatore, 0422 2428575. anbalagan@buc.edu.in
2. Dr.(Mrs). T . Shanmugavalli (Member)
Head & Associate Professor
Department of Physical Education Avinashilingam Institute for Home
Science and Higher Education for Women, Coimbatore.
3. Dr. R. Giridharan (Member)
Associate Professor and Head
Ramakrishna mission Vivekanada Educational & Research Institution
General Adapted Physical Education and Yoga
Coimbatore
4. Mr. Devaraj. C (Member) (Chairman),
Assistant Professor & Head,
Department of Physical Education,
CMS College of Science and Commerce, Coimbatore
5. Dr. C. Sivakumar,
Principal,
PPG College of Physiotherapy,
Coimbatore.
6. Dr. Senthilkumar. K (Member)
Assistant Professor
CMS College of Science and Commerce, Coimbatore
7. Mr.M.Vimalraj(Member)
Assistant Professor
CMS College of Science and Commerce, Coimbatore
8. Mr. P.Suresh(Member)
Assistant Professor
CMS College of Science and Commerce, Coimbatore
9. Mr.M. Pratheepkumar (Alumni)
DINDUGAL

P. Anbalagan

T. Shanmugavalli

R. Giridharan

Devaraj C 20/7/2022

C. Sivakumar

K. Senthilkumar 20/07/2022

M. Vimalraj 20/07/22

P. Suresh 20/7/22

M. Pratheepkumar 20/07/22

Devaraj C 20/7/2022
Head of the Department

C. Sivakumar
Principal



C. Sivakumar
PRINCIPAL
C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049

CMS COLLEGE OF SCIENCE AND COMMERCE
(Autonomous)

Chinnavedampatti, Coimbatore - 641 049

Academic Year: 2022-2023 (Board of Studies Meeting: I)

The Meeting of the Board of Studies in SOCIAL WORK Postgraduate Programme (PG) was conducted on 20th July 2022 at 10:00 am.

The following members were present:

Chairman : Mrs.M.Sreesujathaa

Members :

1. Dr. Esther Rani - University Representative - **ABSENT**
2. Dr.V.Priya – Subject Expert
3. Dr.M.Suganthi - Subject Expert
4. Dr.T. Jayakumar - Industry Expert
5. Mr. Arun M T – Alumni - **ABSENT**
6. Mrs.A.Jayapadma - Member (Internal) - **ABSENT**
7. Mrs.R.Kumudha - Member (Internal)
8. Mrs. Anupama Haridas (Internal)
9. Mr. D. Murugan – Student Member

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of I & II semester of the PG Programme for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The syllabi of III & IV semester of the PG Programme for the students admitted during the academic year 2021 - 2022 and onwards were approved.
3. The updating of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
4. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022 -2023 admitted students and finalized.
5. As per the University Curriculum Model we have introduced for 2021 batch onwards student should secure 50% in the end semester examination and 50% marks in both Internal and External examination in each paper shall be deemed to have passed.

6. Department specific Board of Studies resolutions:

I Semester

- Professional Social Work- Unit IV-Included Objectives of Field Work, Unit V added Climate change and Elder Line 14567.

- Sociology for Social Work Practice-In cooperated in Unit II-Influence of Social Media- Whatsapp, Facebook, Instagram, and Discord. Sanskritization, Westernization. Unit III- Changes in Family Systems- Lesbians, Gays, dating, Live-in Relationships.
- Working with Individuals –Unit IV-Added Foster homes in fields of Social Case Work.

II Semester

- 23A-Working with Groups-Unit IV-Added Therapeutic Interventions in Group Work, T-Groups, Buzz Group, and Brain Storming.
- 23B- Community Organization and Social Action- Community Organisation and Social Action - Unit V- Included 73rd and 74th amendment in rural and Urban Community Development in India.
- 23C-Social Work Research and Statistics-Unit V-Added Introduction to AMOS and R software. Included mini project in Unit VI
- 23E-2- Community health- Unit I – included Sustainable Development Goals and Health.

III Semester

- 33A -Social Welfare Administration & Social Legislation –Unit I- Added National Institute of Public Cooperation and Child Development (NIPCCD)
- 33B -Social Work Practice with Differently abled- Unit I- Sustainable Development Goals and differently abled, Unit IV-Project Integrated Education for Persons with Disabilities (PIED)
- 33E 1-2 Hospital Administration Unit V- Included National Commission for Allied and Health Care Professions Act 2021.
- 33E 2 -2 - Introduction to Mental Health (spl. paper-III) In Unit II added ICD 10 and DSM IV TR. Removed salient features of DSM V and ICD 10, added Introduction to ICD 11 and DSM V

IV semester

- In 43A, Counselling - Theory & Practice- Added refugee counselling in Unit V.
 - In 43B, Corporate Social Responsibility- Added CRI Pumps, Shanthi Social Services, CSR model of Robert Bosch in Coimbatore. In Unit V added section 135 of Companies Act.
7. Incorporated case study in Unit VI of all courses except Social Work Research and Statistics in Semester II.
8. As per the recommendation of BOS members, the Block placement – Pre-employment training has been scheduled during the fourth semester itself instead of completing it after fourth semester.
9. Additional names for the panel of question paper setters and evaluators were included and it was approved.


Chairman / Chair Person (BoS)

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Social Work Postgraduate Programme (PG) was conducted on 4th January 2023 at 10:30 am

The following members were present:

Chairman : Mrs. M. Sreesujathaa

Members :

1. Esther Rani – University Representative - **ABSENT**
2. Dr.V.Priya – Subject Expert
3. Dr. M. Suganthi – Subject Expert
4. Dr. T. Jayakumar – Industry Expert
5. Mr. Arun MT – Alumni - **ABSENT**
6. Mrs. A. Jayapadma – Member (Internal)
7. Mrs. R. Kumudha – Member (Internal)
8. Mrs. Anupama Haridas – Member (Internal)
9. Mr. D. Murugan – II MSW - Student Member

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of II semester of the PG Programme for the students admitted during the academic year 2022 - 2024 and onwards were approved.
2. The syllabi of IV semester of the PG Programme for the students admitted during the academic year 2021 - 2023 and onwards were approved.
3. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
4. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based Scheme of Examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.
5. **Department specific Board of Studies resolutions:**

II Semester

Community Organisation and Social Action

- **Unit I** - Models of Community Organisation was mentioned specifically as Locality Development Model, Social Planning Model and Social Action model.
- **Unit III – Removed** Participatory Rural Appraisal and added in Unit IV
- **Unit IV – Added** Approaches of Community Approaches – General Content Approach, Specific Content Approach, Process Content Approach and Participatory Rural Appraisal

Social Work Research and Statistics

- **Unit I – Deleted** types of Social Work Research and added Methods of Social Work Research – Pure and applied, Qualitative - Case study, Focus Group Discussion and Ethnography) and Quantitative -Social Survey and Mixed Methodology
- **Unit II – Deleted** types of social science research: Qualitative and quantitative research.
- **Unit III & Unit IV – Content** rearranged.
- **Unit III – Sources of Data:** Primary and secondary, Sampling – Meaning, importance and types. Scaling techniques – meaning, types – Likert and Thurstone scale. Added Levels of measurement – Nominal, ordinal, interval and ratio.

Unit IV – Data Collection: Tools of Data collection – Observation/Observation schedule, Interview/Interview schedule and Questionnaire. Data Analysis – meaning, methods of analysis – Coding & tabulation, diagrams/charts. Report writing, Bibliography – APA 6. **Shifted** Use of computer in analyzing data : Introduction to SPSS, Introduction to AMOS and R Software in Data Analysis to **Unit V**.

- **Unit V** – **Added** Use of computer in analyzing data : Introduction to SPSS, AMOS and R Software in Data Analysis. **Shifted** Report writing and presentation to **Unit IV**.

Employee Welfare and Labour Legislations I

- **Unit I** – **Added** Introduction to New Labour Code
- **Unit V** – **Removed** ESI Act 1948, Employees Provident Fund (Miscellaneous and Provisions) Act 1952 and Gratuity Act 1972. **Added** Interstate Migrant Workmen (Regulation of Employment and Conditions of service) Act, 1979 and The Contract Labour (Regulation and Abolition) Act, 1996.

IV Semester

Corporate Social Responsibility

- **Unit II** – **Added** role of social worker in CSR.

Human Capital Management

- **Unit II** – **Shifted** Training and Development – meaning, purpose, training process, training and development methods to **Unit III**. **Added** job rotation, job enlargement, job enrichment and quality of work life **from Unit IV**.

Medical Social Work

- **Unit II** – **Added** DABDA (Denial, Anger, Bargaining, Depression and Acceptance) of Elizabeth Kubler Ross. **Added** difference between palliative care and hospice.

6. Additional names for the panel of question paper setters and evaluators were included and it was approved.


Chairman / Chair Person (BoS)




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NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

DEPARTMENT OF PSYCHOLOGY

**CMS COLLEGE OF SCIENCE AND COMMERCE
(AUTONOMOUS)
COIMBATORE**



**MINUTES OF THE 7th BOARD OF STUDIES
MEETING**

Held on 20th July 2022

B.SC. PSYCHOLOGY


DEPARTMENT OF PSYCHOLOGY

MINUTES OF 7TH BOS MEETING
HELD ON 20.07.2022

The 7th Board of Studies in Psychology held on 20.07.2022 at the Department of Psychology at 11:30 A.M.

BOS University Representative Nominees- UG Board

1. Mr. S. Arunkumar
Assistant Professor
Department of Psychology
CMS College of Science and Commerce
Coimbatore -641049

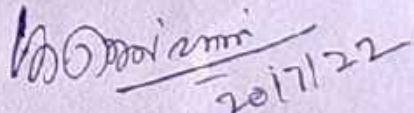

Chairman

2. Dr. P. Tamilselvan
Assistant Professor,
PSG College of Arts and Science
Department of Psychology
Coimbatore - 641014


University Nominee

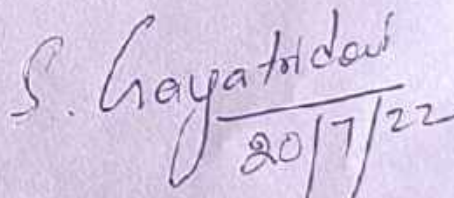
3. Dr. B. Selvaraj
Associate Professor & HOD
Department of Psychology
Government Arts College
Coimbatore -641018

Subject Expert


20/7/22

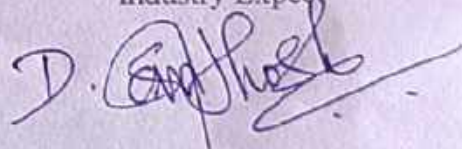
4. Dr. S. Gayathiridevi
Associate Professor & HOD
Department of Psychology
Avinashilingam Institute of
Home Science and Higher
Education for Women
Coimbatore -641014.

Subject Expert


20/7/22

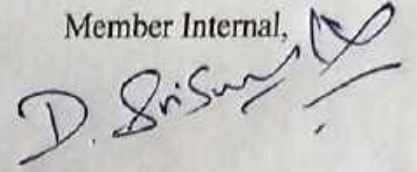
5. Mr. Santhosh
Consultant Clinical Psychologist,
Royal Care Super Specialty hospital,
Neelambur, Coimbatore - 641062.

Industry Expert



6. Mr. Srisudharsan D
Assistant Professor,
Department of Psychology,
CMS College of Science and Commerce,
Coimbatore -641049

Member Internal,



7. Ms. Iswariya Devi S M
Assistant Professor,
Department of psychology,
CMS College of Science and Commerce,,
Coimbatore - 641049

Member Internal,



8. Ms. Abinaya .P
Assistant Professor,
Department of psychology,
CMS College of Science and Commerce,
Coimbatore - 641049

Member Internal,



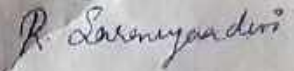
9. Archana. A
C-50 Ponnaiyar St, Block 25
Neyveli,
Tamilnadu



Alumni Member,

10. Saranyaa Devi R
III-B.Sc Psychology,
CMS College of Science and Commerce,
Coimbatore-49.

Student Member,



20/7/2022



Mr. ARUNKUMAR S
Chairperson
BOS in Psychology

The following resolutions were made in the Board of studies meeting.

- The scheme of examination of the UG program for the students admitted during the academic year 2022-2023 onwards were discussed and approved.
- The syllabi of I & II semester of the UG programme for the students admitted during the academic year 2022-2023 onwards were approved.
- Commercial practices will be implemented in III semester for the students admitted during the academic year 2022-2025 onwards were approved.
- The syllabi of III & IV semester of the UG programme for the students admitted during the academic year 2021-2022 and onwards were approved.
- The syllabi of V & VI semester of the UG Programme for the students admitted during the academic year 2021-2022 and onwards were approved
- The Choice Based Credit System (CBCS) and Learning Outcomes based curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.
- The distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students were finalized.
- IDC Courses will be implemented for 2022 batch in IV semester as extra credit were finalized.
- Percentage of changes in the curriculum for I to IV semesters were discussed and finalized.
- Professional English has been excluded from the scheme for the students admitted during the academic year 2022 – 2023 onwards was approved.

Semester – II

1. Experimental Psychology were included in the II semester for the 2022-2025 batch.

Semester – III

1. In the III semester syllabus, it was suggested to include Children with Special Needs as Elective Paper and Introduction to Personality Psychology as Skill Based Course.
2. Syllabus of Skill based Course i.e. "Personality Development" in the semester III has been refined for the 2021 batch students.
3. Abnormal Psychology I syllabus has been redefined in semester III for the 2021 batch students

Semester – IV

1. In the IV semester syllabus, it was suggested to include Human Resource Management as Elective and Research Methods as Skill based course.

Semester – V

1. In the V semester syllabus, it was suggested to include Practicum (Internship) as an Extra Credit Course.
2. Social Psychology I & II syllabus were redefined and joined together as one paper and it included in the V semester
3. Marketing And Consumer Behavior paper were recommended to include in semester VI instead of Consumer Behavior for the 2022-2025 batch.

Semester – VI

1. Introduction to Indian Psychology paper were recommended to include in semester VI instead of Social Psychology – II for the 2022-2025 batch.
2. Psychology of Criminal behaviour paper syllabus has been improved with legal concepts for 2021 & 2020 batch.
3. Forensic And Criminal Psychology paper were recommended to include in semester VI instead of Psychology of Criminal Behaviour for the 2022-2025 batch.

Chairman/Chair Person (BoS)



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**CMS COLLEGE OF SCIENCE AND COMMERCE
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COIMBATORE**



**MINUTES OF THE 8th BOARD OF STUDIES
MEETING**

Held on January 4, 2023

B.SC. PSYCHOLOGY

DEPARTMENT OF PSYCHOLOGY

MINUTES OF 8TH BOS MEETING

HELD ON 04.01.2023

The 8th Board of Studies in Psychology held on 04.01.2023 at the Department of Psychology at 11:30 A.M.

BOS University Representative Nominees- UG Board

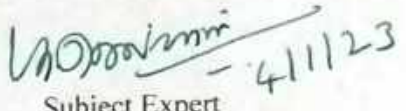
1. Mr. S. Arunkumar
Asst Professor & Head (i/c)
Department of Psychology
CMS College of Science and Commerce
Coimbatore -641049


Chairman

2. Dr. P. Tamilselvan
Assistant Professor,
PSG College of Arts and Science
Department of Psychology
Coimbatore - 641014


University Nominee 4/1/23

3. Dr. B. Selvaraj
Associate Professor & HOD
Department of Psychology
Government Arts College
Coimbatore -641018


Subject Expert - 4/1/23

4. Dr. S. Gayathiridevi
Associate Professor & HOD
Department of Psychology
Avinashilingam Institute of
Home Science and Higher
Education for Women
Coimbatore -641014.

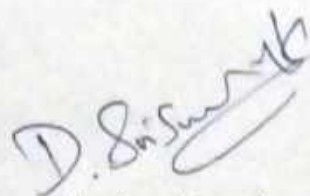
Subject Expert

ABSENT

5. Dr. N. Lakshmanan,
Clinical Psychologist,
Director, Cognito Academy
Sivananda Colony,
Coimbatore - 641012


Industry Expert 4/1/23

6. Mr. Srisudharsan D
Assistant Professor,
Department of Psychology,
CMS College of Science and Commerce,
Coimbatore -641049



Member Internal,

7. Ms. Iswariya Devi S M
Assistant Professor,
Department of psychology,
CMS College of Science and Commerce,,
Coimbatore - 641049



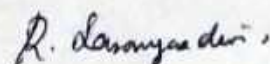
Member Internal,

8. Miss. Sabina H
I M.Sc Clinical Psychology
Department of Psychology,
PSG college of Arts and Science,
Coimbatore – 641 014.

Alumni Member,

ABSENT

9. Saranyaa Devi R
III-B.Sc Psychology,
CMS College of Science and Commerce,
Coimbatore-49.



Student Member,

CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049
Academic Year: 2022-2023 (Board of Studies Meeting: II)

The following resolutions were made in Board of Studies meeting.

1. The Updation of the Programme Educational Objectives (PEO), Programme Outcomes (PO) and Course Outcomes (CO) of each courses were discussed and approved.
2. The Board scrutinized and revised the contents in the courses for semester II for the academic year of 2022-2023.
3. The Board scrutinized and revised the contents in the courses for semester IV for the academic year of 2022-2023.
4. The Board scrutinized and revised the contents in the courses for semester VI for the academic year of 2022-2023.
5. In II semester the subject of **Experimental Psychology practical list** were updated as per the suggestion of Board of Studies members.
6. In VI semester the subject **Psychology of Criminal Behaviour syllabus** were revised as per the suggestion of Board of Studies members.
7. the following Modular Courses have been introduced:
 - i. **Hearing impairment**
 - ii. **Visual impairment**
 - iii. **Intellectual disability**
 - iv. **Specific learning disability**
 - v. **Neuro developmental disorders**



Signature of the Chairman-BOS



PRINCIPAL

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NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

DEPARTMENT OF FOOD SCIENCE AND NUTRITION



CMS COLLEGE OF SCIENCE & COMMERCE (Autonomous)

Chinnavedampatti, Coimbatore - 641 049

Affiliated to Bharathiar University

Reaccredited at 'A+' level by NAAC with CGPA of 3.38 out of 4 (III Cycle),
'COLLEGE WITH POTENTIAL FOR EXCELLENCE' - Conferred By UGC, New Delhi.
Recognized under Star College Scheme of DBT, Ministry of Science and Technology,
Govt of India

Boards of Studies Member Academic Year - 2022-2023

Name of the Board: Dept of Food Science & Nutrition

BOS Meeting Date: 20.07.2022

S. NO.	MEMBER NAME	CATEGORY	Signature
1	Mrs. R. Poornima	Chairman	<i>R Poornima</i>
2	Dr. N. Sabitha	University Representative	<i>N. Sabitha 20/07/2022</i>
3	Dr. K. Sujatha	Subject Expert	<i>K. Sujatha 20/07/2022</i>
4	Dr. B. Premagowri	Subject Expert	<i>B. Premagowri 20/7/22</i>
5	Ms. V. Sharmilashree	Member (Internal)	<i>V. Sharmilashree 20/7/22</i>
6	DR. K. Arulmozhi	Member (Internal)	<i>K. Arulmozhi 20/7/22</i>



J. Arulmozhi
PRINCIPAL

C.M.S. College of Science & Commerce
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Coimbatore - 641 049



CMS COLLEGE OF SCIENCE & COMMERCE

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Recognized under Star College Scheme of DBT, Ministry of Science and Technology,
Govt of India

Academic Year: 2022-2023 (Board of Studies Meeting:20.07.2022)

The meeting of the Board of Studies in Dept of Food Science & Nutrition Undergraduate Programme(UG) was conducted on 20.07.2022 at 10:00 am.

The following members were present:

Chairman : Mrs. R. Poornima, Head Incharge, Dept of Food Science and Nutrition

Members :

1. Dr. K. Arulmozhi – Member Internal, Assistant Professor, Dept of Food Science & Nutrition, CMS College of Science and Commerce, Coimbatore
2. Ms. V. Sharmilashree - Member Internal, Assistant Professor, Dept of Food Science & Nutrition, CMS College of Science and Commerce, Coimbatore
3. Dr. N. Sabitha, University Representative, Associate Professor, Dept of Nutrition and Dietetics, Vellalar college for Women
4. Dr. Abhilash P kailash, Industry Expert Akay Natural Ingredients Private Limited, Cochin, Kerala.
5. Dr. K. Sujatha, Subject Expert- Assistant Professor, Dept of Food Science and Nutrition, Avinashilingam Institute for Home Science and Higher Education for Women,
6. Dr. B. Premagowri, Subject Expert - Asst Professor, Dept of Clinical Nutrition and Dietetics, PSG college of Arts and Science



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Recognized under Star College Scheme of DBT, Ministry of Science and Technology,
Govt of India

The following resolutions were made in the Board of Studies meeting,

1. The scheme of examination of the UG program for the students admitted during the academic year 2022-2023 onwards were approved.
2. The syllabi of I & II semester of the UG Programmes for the students admitted during the academic year 2022 - 2023 onwards were approved.
3. Commercial practices will be implemented in III semester for the students admitted during the academic year 2022-2023 onwards were approved.
4. IDC courses will be implemented for 2022 batch in IV semester as extra credit were finalized.
5. Percentage of changes in the curriculum for I to VI semesters for the students admitted during the academic year 2022-2023 onwards were discussed and finalized.
6. The distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students were finalized.
7. Professional English has been excluded from the scheme for the students admitted during the academic year 2022-2023 onwards was approved.
8. The following two Newly Introduced Core Courses were approved from 2022 batch onwards
 - Core Course VI - Medical Nutrition Therapy
 - Core Course VIII – Experimental Food Science
9. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.
10. The syllabi of III & IV semester of the UG Programmes for the students admitted during the academic year 2021 - 2022 and onwards were approved.



CMS COLLEGE OF SCIENCE & COMMERCE (Autonomous)

Chinnavedampatti, Coimbatore - 641 049

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Recognized under Star College Scheme of DBT, Ministry of Science and Technology,
Govt of India

11. The syllabi of V & VI semester of the UG Programmes for the students admitted during the academic year 2020 - 2021 and onwards were approved.
12. Typo error of the core course numbering in the Scheme of the 2020 and 2021 batches were corrected and approved
13. In the III Semester, the units of the allied biochemistry paper has been changed more to concentrate on the basics of biochemistry rather than the previous syllabi which was of post graduates standard was approved
14. In the IV semester, Food Product Development syllabus content was refined
15. In the V semester, Food preservation and Processing, Community Nutrition and Dietetics Papers syllabus content was refined
16. In the VI semester, Food Service Management and Food Quality Control syllabus content was refined
17. Food product development and sensory evaluation has been introduced as elective course.
18. Inter disciplinary course- Food Establishments and Institutional financial Management has been introduced.

Chairman / Chair Person (BoS)



PRINCIPAL

C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049

CMS College of Science & Commerce (Autonomous)

Chinnavedampatti, Coimbatore- 641 049

Academic Year : 2022-2023 (Board of Studies Meeting: II)

The meeting of Board of Studies in Department of Food Science and Nutrition Undergraduate Programme (UG) was conducted on 4th Jan 2023 at 10.30 am.

The following members were present:

Chairman: Dr. K. Arulmozhi

Members:

1. Dr. N. Sabitha
2. Dr. B. Premagowri
3. Dr. K. Sujatha
4. R. Deepika
5. Ms. Sharmilashree. V
6. Ms. Jagathiswari. G.G
7. Nandana. M.P

- N. Sabitha 04/1/2023
- B. Premagowri 04/1/23
- K. Sujatha 04/1/2023
- Deepika
- Sharmilashree V 4/1/23
- Jagathiswari G.G 4/1/23

CMS College of Science & Commerce (Autonomous)

Chinnavedampatti, Coimbatore- 641 049

Academic Year : 2022-2023 (Board of Studies Meeting: II)

The following resolutions were made in Board of Studies meeting.

1. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
2. The Bsoard scrutinized and revised the contents in the courses for semester II for the academic year 2022-2023.
3. The Board scrutinized and revised the contents in the courses for semester IV for the academic year 2022-2023.
4. The Board scrutinized and revised the contents in the courses for semester VI for the academic year 2022-2023.
5. In the IV semester, Food Product Development syllabus and Food Microbiology syllabus was updated.
6. In VI semester Food Service Management and Food Quality Control and Food Laws syllabus content was updated.

K. Anand 4/1/23

Chairman / Chairperson (BoS)



J. S. S. S.
PRINCIPAL

C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049



CMS COLLEGE OF SCIENCE AND COMMERCE

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CHINNAVEDAMPATTI, COIMBATORE – 641 049.

NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

DEPARTMENT OF CRIMINOLOGY

**CMS College of Arts and Science
(Autonomous)
Chinnavedampatty Coimbatore -641049**

Academic Year: 2022-2023 (Board of Studies Meeting: I)

The meeting of the Board of Studies in B. A. Criminology Undergraduate Programme (UG) was conducted on 21st July 2022 at 06:00 pm through Online Mode.

The following members were present:

1. Chairman : Mrs. M Sreesujatha
Head, Department of Criminology
CMS College of Science and Commerce
Coimbatore

Members :

2. Mr. Mebin Willson Thomas (University Representative)
M.Sc. Criminology and criminal justice science
Asst. Professor, Jain Deemed to be university
Bangalore
3. Mr. Abi K S (Subject expert- external)
M.Sc. Forensic Science
HoD & Asst. Professor, Dept. of Forensic Science
MES Kalladi College (Affiliated to Calicut University)
Mannarkkad, Palakkad, Kerala
4. Ms. Athira Balakrishnan (Subject expert- external)
M.Sc. Forensic Science
Lecturer- SNGISM
Coimbatore
5. Mr. Anandakrishnan G (Industry Expert)
M.Sc. Homeland Security and Antiterrorism
Loss Prevention Manager – I
Amazon.
6. Mr. Akhil Benny (Internal Member)
M.Sc. Forensic Science
Asst. Professor, CMS College of Science and Commerce
Coimbatore

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of I & II semester of the UG Programme for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The syllabi of III & IV semester of the UG Programme for the students admitted during the academic year 2021 - 2022 and onwards were approved.

3. Department Specific Board of Studies Resolutions:

Semester I

- 3.01 13B –Sociology of law: Title of unit 2 is changed to historic and modern perspectives. Subtopics under the title modern perspectives were added.
- 3.02 13P: New course titled 'Jurisprudence Practical' were added. Syllabus for the same is approved.

Semester II

- 3.03 23A – Introduction to human rights: A topic 'Definition of victim and accused' is added to Unit IV
- 3.04 2AA– A new course titled 'crime scene management' is introduced. Syllabus for the same is framed.

Semester III

- 3.05 33A – Penology and Correctional Administration: A topic 'Capital Punishment' is added to Unit I
- 3.06 33P – New syllabus for the practical paper 'Fingerprint and Questioned Document Examination' is framed.
- 3.07 33E (B) – Private Investigation: New topic 'Laws related to private securities' is added in unit II
- 3.08 CLP: A new course titled 'Commercial Practices' is introduced as a value addition program for 2022 batch.

Semester IV

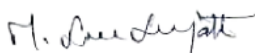
- 3.09 43(B) – Topic titled 'Labour laws related to Industrial securities' were added.
- 3.10 IDC: A new course titled 'Social Media and Behaviour' is introduced as an interdepartmental course for 2022 batch.

Other Resolutions:

- 3.11 New Modular course titled 'General Studies for UPSC' were introduced from Semester II to Semester VI. Syllabus for the same is passed. Course Titles are as follows:
- 3.11.1 Module I - Course I: General Studies –I
- 3.11.2 Module I- Course II: General Studies –II
- 3.11.3 Module II- Course I: India and the world
- 3.11.4 Module II - Course II: Advancements in science and technology
- 3.11.5 Module II - Course III: People, development and environment
- 3.12 Nomenclature of the course 33P is changed from 'Questioned Document and Fingerprint Examination' to 'Fingerprint and Questioned Document Examination'
- 3.13 Green Criminology has been introduced in the sixth semester.
- 3.14 . Crime and Media has been introduced as skilled based course in the sixth semester for 2022 batch.




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Chinnavedampatti,
Coimbatore - 641 049


Chairman / Chair Person (BoS)

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in B.A. Criminology Undergraduate Programme (UG) was conducted on 4th Jan 2023 at 5:00 pm through Online Mode.

The following members were present:

1. Chairman : Mrs. M Sreesujatha
Head, Department of Criminology
CMS College of Science and Commerce
Coimbatore

Members :

2. Mr. Mebin Willson Thomas (University Representative)
M.Sc. Criminology and criminal justice science
Asst. Professor, Jain Deemed to be university
Bangalore
3. Mr. Abi K S (Subject expert- external)
M.Sc. Forensic Science
HoD & Asst. Professor, Dept. of Forensic Science
MES Kalladi College (Affiliated to Calicut University)
Mannarkkad, Palakkad, Kerala
4. Ms. Athira Balakrishnan (Subject expert- external)
M.Sc. Forensic Science
Lecturer- SNGISM
Coimbatore
5. Mr. Anandkrishnan G (Industry Expert)
M.Sc. Homeland Security and Antiterrorism
Loss Prevention Manager – I
Amazon.
6. Mr. Vasanth Kumar M (Internal Member)
M.Sc. Criminology and Forensic Science
Asst.Professor, CMS College of Science and Commerce

Coimbatore

7. Mr. Aswin M (Internal Member)

M.Sc. Forensic Science

Asst.Professor, CMS College of Science and Commerce

Coimbatore

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of II semester of the UG Programme for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The syllabi of IV semester of the UG Programme for the students admitted during the academic year 2021 - 2022 and onwards were approved.
3. The syllabi of VI semester of the UG Programme for the students admitted during the academic year 2020 - 2021 and onwards were approved.
4. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
5. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.
6. Department Specific Board of Studies Resolutions:

Semester II

6.01 23A – Introduction to human rights: A topic ‘Definition of victim and accused’ is added to Unit IV

6.02 2AA– A new course titled ‘crime scene management’ is introduced. Syllabus for the same is framed.

Semester IV

6.03 43(E) – Topic titled ‘Labour laws related to Industrial securities’ were added.

6.04 4AA- The syllabus for new paper has been introduced “Police Science and Law Enforcement”

- The topic “Hierarchy followed in District and Commissionerate Police” has been added to Unit I

6.05 43A- The causal factors given for the Psychological disorders has been removed from Unit III

Semester VI

6.06 63A- The topic “Principles of Forensic Science has been added” in Unit I.

- The categorization of various evidences has been made in Unit II.
- Topics titled ESDA and VSC has been added to the topic Tools and Techniques in Unit III.
- Crpc regarding Medical evidence has been added in Unit IV.
- The Unit Title Wounds has been replaced with Injuries in Unit V.

7. Additional names for the panel of question paper setters and evaluators were included and it was approved.

M. Sundarajath

Chairman / Chair Person (BoS)



H. S. S. S.
PRINCIPAL
C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2023-2024 (Board of Studies Meeting: II)

The meeting of the Board of Studies in B.A. Criminology Undergraduate Programme (UG) was conducted on 15th June 2023 at 5:00 pm through Online Mode.

The following members were present:

1. Chairman : Mrs. M Sreesujathaa
Head, Department of Criminology
CMS College of Science and Commerce
Coimbatore

Members :

2. Mr. Mebin Willson Thomas (University Representative)
M.Sc. Criminology and criminal justice science
Asst. Professor, Jain Deemed to be university
Bangalore
3. Mr. Abi K S (Subject expert- external)
M.Sc. Forensic Science
HoD & Asst. Professor, Dept. of Forensic Science
MES Kalladi College (Affiliated to Calicut University)
Mannarkkad, Palakkad, Kerala
4. Ms. Athira Balakrishnan (Subject expert- external)
M.Sc. Forensic Science
Lecturer- SNGISM
Coimbatore
5. Mr. Anandkrishnan G (Industry Expert)
M.Sc. Homeland Security and Antiterrorism
Loss Prevention Manager – I
Amazon.
6. Mr. Vasanth Kumar M (Internal Member)
M.Sc. Criminology and Forensic Science
Asst.Professor, CMS College of Science and Commerce

Coimbatore

7. Ms. Pragathi k (Internal Member)
M.Sc. Criminology and Forensic Science
Asst.Professor, CMS College of Science and Commerce
Coimbatore

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of I semester of the UG Programme for the students admitted during the academic year 2023 – 2024 and onwards were approved.
2. The syllabi of III semester of the UG Programme for the students admitted during the academic year 2022 - 2023 and onwards were approved.
3. The syllabi of VI semester of the UG Programme for the students admitted during the academic year 2021 - 2022 and onwards were approved.
4. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
5. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.
6. Department Specific Board of Studies Resolutions:

Semester I

7. The scheme and syllabus of I semester of the UG Programme for the students admitted during the academic year 2023 – 2024 and onwards were approved for 2023

Semester II

8. The scheme and syllabus of I semester of the UG Programme for the students admitted during the academic year 2023 – 2024 and onwards were approved for 2023 batch

Semester III

9. Topic titled 'pioneers of penology' were added in unit 1
10. Topic titled 'Tokyo rules – non custodial measure – Krishna Iyer committee – Nelson Mandela rules' were added in unit IV for 2022 batch

Semester IV

11. Topic titled '- ICD and DSM- Merits and demerits of classification' were removed in unit II for 2022 batch

Semester V

12. A new course titled 'Indian law' is introduced. Syllabus for the same is framed for 2021 batch
13. A new course titled 'crime prevention' is introduced. Syllabus for the same is framed 2021 batch
14. A new course titled 'risk and vulnerability analysis' is introduced. Syllabus for the same is framed 2021 batch

Semester VI

15. A new course titled 'Advanced Forensic Science and Forensic Medicine' is introduced. Syllabus for the same is framed for 2021 and 2022 batch
16. A new course titled 'Socio economic crimes' is introduced. Syllabus for the same is framed for 2021 and 2022 batch

1. Additional names for the panel of question paper setters and evaluators were included and it was approved.

M. Sundarajan

Chairman / Chair Person (BoS)



J. S. Srinivasan
PRINCIPAL
C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049



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NAAC – SSR

Criterion – 1-Curricular aspects

Cycle-IV

Academic flexibility

LANGUAGES

2022-2023 கல்வியாண்டு மாணவர்களுக்கான
பாடத்திட்டம் (syllabus)

நாள் : 20-07-2022

20-07-2022 அன்று காலை 10.00 மணியளவில் தமிழ் பாடத்திட்டக் குழுக்கட்டப் தமிழ்த்துறையில் குழுத்தலைவர் முனைவர் பா. கோபகா அய்யங்கார் தலைமையில் நடைபெற்றது. அக்கட்டத்தல் கீழ்க்கண்ட பாடத்திட்டங்கள் நின்றுவேற்றப்பட்டன.

1. 2022-2023 ஆம் ஆண்டு சேர்வோர்களுக்கான மாணவர்களின் முதல் மாற்றும் முன்றாம் பருவ பாடத்திட்டம் குழுக்கட்டப் மாற்றும் செயல்பாட்டு பின்பக்கத்தல் குழப்பிடலவாறு முன்றாமாடியப்பட்டது ஏற்றுக் கொள்ளப்பட்டது.
2. திரண்டாம் ஆண்டு மாணவர்களுக்கான அடியுடைத் தமிழ் தரன் I, சிறப்புத் தமிழ் தரன் I பாடத்திட்டக் பின்பக்கத்தல் குழப்பிடலவாறு முன்றாமாடியப்பட்டது ஏற்றுக் கொள்ளப்பட்டது.
3. அடியுடைத் தரன் I, தமிழ் இலக்கியங்களின் கற்றுப்படுகின்ற அறிக்கடுத்தடுக்களை வலியுறுத்தல், நுகை இலக்கியத்தை அறிக்கடுத்தடுத்தடுதல் மனதப் பண்பை வளர்த்தல், தனி மனித சிந்தனையை மேம்படுத்தல் இவை பாடத்திட்டத்தின் நோக்கமாக உள்ளது.

- * இதழியல் - தற்கால நடைமுறைக்கு ஏற்ப கொடுக்கப்பட வேண்டும்.
- * கணினித் தமிழ் இடம்மேலும் நலம்
- * கிணைய ஆழவுக்கேற்ப மாணவர்களின் நலம் கருது
- * அக்கட்டப் பணிக் தமிழ் இலக்கியவாரலாற்றும் படுத்தல் இடம் மெருவாம்.

பாலத் திட்டக் குழுத் தலைவர்

முனைவர். மு. கோகோ
கிணையப் பேராசிரியர், மொழித்தஞ்சை.

சீ. எம். எஸ். அந்நியல் மற்றும் வனிகையல் கல்வாரி
கிணையப்படி - கோயகத்தூர் - 49.

பல்கலைக் குழு உறுப்பினர்

முனைவர். சி. பரிமளம்
உதவிப் பேராசிரியர் - தமிழ்த்தஞ்சை
பு. சி. கோ. கலை அந்நியல் கல்வாரி
கோயகத்தூர் - 14

பிரதமர் உறுப்பினர்கள்

1. முனைவர். வி. வினாயகநாதன்
கிணையப்பேராசிரியர் மற்றும் கிணையத்தலைவர், மொழித்தஞ்சை
பு. சி. கோ. கலை அந்நியல் கல்வாரி, கோயகத்தூர்.

2. முனைவர். மு. குமார்.
உதவிப் பேராசிரியர், தமிழ்த்தஞ்சை.
கொங்குரை கலை அந்நியல் கல்வாரி, கோயகத்தூர் - 29.

பாலத்திட்டக் குழு உறுப்பினர்கள்

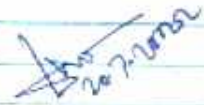
1. முனைவர். சி. சரணகுமார். உதவிப் பேராசிரியர், மொழித்
சீ. எம். எஸ். அந்நியல் மற்றும் வனிகையல் கல்வாரி. சி. கோ.
கிணையப்படி - கோயகத்தூர் - 49.

2. முனைவர். பி. மணிகண்டி
உதவிப் பேராசிரியர், மொழித்தஞ்சை
சீ. எம். எஸ். அந்நியல் மற்றும் வனிகையல் கல்வாரி.
கிணையப்படி - கோயகத்தூர் - 49.

3. தி. மதி. சி. பாரதி
உதவிப் பேராசிரியர், மொழித்தஞ்சை
சீ. எம். எஸ். அந்நியல் மற்றும் வனிகையல் கல்வாரி.
கிணையப்படி - கோயகத்தூர் - 49.

கையொப்பம்

P. M.
20/11/22



P. M.
20/11/22

S. Phalita
20/11/22

வரிசை எண்	பெயர்	
1.	மணவார். மயா. போதனா	பாடத்திட்டங்களைத் தயார்
2.	மணவார். சி. பரிமளம்	பாடத்திட்டங்களை உருவாக்க
3.	மணவார். வி. சிவசுந்தரி	பாடத்திட்டங்களை உருவாக்க
4.	மணவார். சி. சிவசுந்தரி	பாடத்திட்டங்களை உருவாக்க
5.	மணவார். H. மணசுந்தரி	பாடத்திட்டங்களை உருவாக்க
6.	செல்வா. சி. பாதி	பாடத்திட்டங்களை உருவாக்க
7.	மணவார். சி. மதுசூதன்	பாடத்திட்டங்களை உருவாக்க
8.	சாய்குந்தரி	மணவார் மணவார்

சிறப்பு	அளவு	பாடத்திட்டம்	சிறப்பு	அளவு	சிறப்பு
சிறப்பு	சிறப்பு	சிறப்பு	சிறப்பு	சிறப்பு	சிறப்பு
1.	Co1	15 பாடத்திட்டம்	1.	Co1	10 பாடத்திட்டம்
2.	Co2	15 பாடத்திட்டம்	2.	Co2	15 பாடத்திட்டம்
3.	Co3	8 பாடத்திட்டம்	3.	Co3	12 பாடத்திட்டம்
4.	Co4	8 பாடத்திட்டம்	4.	Co4	8 பாடத்திட்டம்
5.	Co5	9 பாடத்திட்டம்	5.	Co5	10 பாடத்திட்டம்

உதவி டிரைவர்
முதலாளி

கையொப்பம்

உதவி டிரைவர்

உதவி டிரைவர்

ச.எம்.எம். அறிவியல் டிரைவர் உதவி டிரைவர்

P. M. 4.11.23

உதவி டிரைவர் - உதவி டிரைவர்

மு.கா.கோ. கலை அறிவியல் டிரைவர்

4.11.23

உதவி டிரைவர் டிரைவர்

உதவி டிரைவர். மு.கா.கோ. கலை அறிவியல் டிரைவர்

4.11.23

உதவி டிரைவர் - உதவி டிரைவர்

உதவி டிரைவர் கலை அறிவியல் டிரைவர்

4.11.23

உதவி டிரைவர் - உதவி டிரைவர்

ச.எம்.எம். அறிவியல் டிரைவர் உதவி டிரைவர்

09/10/2023

உதவி டிரைவர் - உதவி டிரைவர்

ச.எம்.எம். அறிவியல் டிரைவர் உதவி டிரைவர்

4.11.2023

உதவி டிரைவர் - உதவி டிரைவர்

ச.எம்.எம். அறிவியல் டிரைவர் உதவி டிரைவர்

4.11.23

2/bs, 2 வது வீதி, கண்ணப்பநகர், கோவை

4.11.23

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J. S. Salunke
PRINCIPAL

C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049

19th BOS Meeting - Part I Malayalam - 2022-2023
 Minutes of the meeting. 22.7.2022

22ULM19

The Malayalam Board of Studies meeting is held on 22nd July 2022, at 10.30 am under the chairmanship of Dr. Sujāthābai-G, Associate Professor of Malayalam and Head, Department of Languages, CMS College, Coimbatore - 49.

The Board has resolved to make some changes in first and third semesters. The board has resolved to change four short stories ^{out} of five in Text II of first semester. Text II 'Thattillatha Malayalam' has replaced with 'Gadhyasiksham' written by C.V. Vasudevabhattachari. (Five essays for the first semester and four essays for second semester). Remaining portion of the syllabus will be the same. The board has decided to change three poems out of four in the Third Semester. Remaining portion of the syllabus will be the same.

Members presented:-

1. Dr. Sujāthābai-G - Chairperson. 22/7/22.

2. Dr. C.R. Smitha - University Representative. Smitha

3. Ms. Rajani . N. Subject Expert. Rajani

4. Mr. Soren S. Alumni. Soren

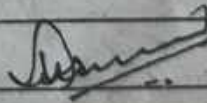
20th BOS Meeting - Part I Malayalam - 2022-23.
Minutes of the meeting.


22ULM20

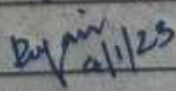
The Malayalam Board of Studies meeting is held on 4th January 2023 at 10:30 am under the chairmanship of Dr. Sujalhabai G., Associate Prof of Malayalam and Head, Department of Languages, CMS College, Coimbatore - 49.


The board has resolved to change 10 essays from the 11th Kerala Malayalam, and introduced Kadhyassilpa (last 5 essays) written by C.V. Vandevarabha-
thathiri for the second semester. In the fourth semester syllabus there is no change for the academic year 2022-2023.

Members present:

Dr. Sujalhabai G. Chairperson. 

Dr. C.R. Smitha - University Representative  4/1/23

Ms. Rajani . N. Subject expert:  4/1/23

Ms. Mundhathi S Alumar 

XIX BOARD OF STUDIES RESOLUTIONS

Date: 20/7/22

- * All the @P Patterns were as per the University Norms
- * It is resolved to adopt the changed syllabus for II & IV Sem.
- * It is resolved to allocate 50% internal and 50% external examinations. (U sem)
- * It is resolved to prepare the question bank with 3 mark and five ^{mark} questions.
- * It is resolved to change the Best test books and lessons (Stories) completely.
- * Prayojan model Hindi will remain the same.
- * No change in NME SYLLABUS
- * COACHING FOR TNPSC EXAMS

Members attended:-

CHAIRMAN	Dr. M. SUJATHA	Mams 20/7/22
	ASSOCIATE PROF OF HINDI	
	DEPARTMENT OF LANGUAGES (HINDI)	
	CMS COLLEGE	
UNIVERSITY NOMINEE	Dr. R. Ramesh Kumar	
	ASSOCIATE PROF & HEAD	
	DEPT. OF HINDI	20/7/22
	HINDUSTHAN ARTS AND SCIENCE	
SUBJECT EXPERT	Dr. N. LALITHA	
	ASSOCIATE PROF & HEAD	
	DEPT OF LANGUAGES	
	R.V.S COLLEGE, SULLUR	20/7/22
ALUMINI	HISHAM	
	MSc BT (2016-17) Batch	

XX BOARD OF STUDIES

RESOLUTIONS

4/1/23

1. Syllabus for II semester of the UG programmes for the students admitted during the academic yr. 2022-23 and onwards are approved.
2. The syllabi of IV Semester Hindi of the UG prog. for the students admitted during the academic yr. 2021-22 and onwards were approved.
3. The updation of the programme Educational Objectives (PEOs) Programme outcomes (POs) and (COs) course outcomes of each courses were discussed and approved.
4. The choice based credit system (CBCS) and learning Outcomes based curriculum framework (LOCF) based scheme of examination, the distribution of credits, as well as marks for various courses were discussed for the Academic yr. 2022-23 admitted students and finalized.
5. Department specific Board of Studies: In the syllabus of Hindi II - 2022 - Navshiksha & Nirmita - Premchand had been changed. IV semester Hindi paper IV syllabus remain the same.
6. Additional names for the Panel of question paper setters and evaluators, Dr. R. Ramesh Kumar, Ms. N. Lalitha were included and it was approved.

Members attended:

Dr. M. SUJATA PRASAD
Associate prof. of Hindi
CMS college

CHAIRMAN

Md. Usman
4/1/23

Dr. R. Ramesh Kumar

Dept. of Hindi

CENTRAL UNIVERSITY OF TAMILNADU UNIVERSITY NOMINEE
THIRUVAROOR


04/01/22

MS. N. LALITHA

H.O.D., DEPT. OF LANGUAGES

R.V.S. COLLEGE

SULUR


11/01/2023
SUBJECT EXPERT

MS. POOJA PRASANNA

OMKARAN

(P.O) MELUR

THALASSERY

ALUMINI



THERE IS 20% CHANGE IN THE ODD SEMESTER FRENCH SYLLABUS

**BOARD OF STUDIES IN FRENCH
2022 – 2023 (ODD)
Minutes of the Meeting**

The French board of studies meeting was held on 20.7.2022 in the college premises at 10.30 am under the chairmanship of Dr. V. Shoba, Assistant Professor in French, Department of Languages, CMS College of Science & Commerce, Coimbatore.

The meeting was held in front of the University Representative Mr. Calixte Bruno Zhille, Assistant professor in French, Department of Languages, RVS College of Arts and Science, Sulur, Coimbatore, Subject Expert, Dr. Jeevaratnam G, Associate Professor, Dept. of French, Avinashilingam Institut for Home Science and Higher Education for Women, Deemed University for Women, Coimbatore, Subject Expert and another Subject Expert Ms. S. Hemalatha, Assistant Professor & Head, Department of French, Holy Cross College (Autonomous), Tiruchirapalli. It came to an end after a wide discussion on the syllabus 2022-2023 (ODD).

The board conversed and resolved to continue with the book "Saison 1 (A1)" for Part I French Semester I First Year Undergraduate students to be admitted in 2022-2023.

The board also conferred and decided to continue with the syllabus for Part I French Semester III Second Year Undergraduate students 2021-2022 batches of Bioscience, Phy.Edu, Maths, Criminology, Food and Nutrition & Eng. Lit. with the same book "Saison 2 (A2)" and omission of certain pages. There is some change in the question paper pattern for second year.

The syllabus for Part I French from the academic year 2022 -2023 onwards is based on OBE, with the aim of imparting the French Language, to enable the students to acquire the necessary skills for gainful employment. The Board approved the Syllabus.

Signatures:

1. Chairman
2. University Representative
3. Subject Expert
4. Subject Expert

Dr. V. Shoba
Mr. Calixte Bruno Zhille
Dr. Jeevaratnam G
Ms. S. Hemalatha

V. Shoba 20/7/2022
Calixte Bruno Zhille 20/7/22
Dr. Jeevaratnam G 20/7/22
Ms. S. Hemalatha 20/7/22

Minutes of the Meeting 2022-2023 (EVEN)

The meeting of the Board of Studies in French Undergraduate Programme (UG) was conducted on 4.1.2023 at 10.30 am

The following resolutions were made in the Board of Studies meeting,

1. The syllabi of II semester of the UG Programmes for the students admitted during the academic year 2022 - 2023 and onwards were approved.
2. The syllabi of IV semester of the UG Programmes for the students admitted during the academic year 2021 - 2022 and onwards were approved.
3. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
4. The Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) based scheme of examination, the distribution of credits as well as marks for various courses were discussed for the academic year 2022-2023 admitted students and finalized.
5. <<<<< Department specific Board of Studies resolutions: >>>>> **There was 25% of change in the syllabus of French Paper II Semester II. In the syllabus of French Paper II Semester II, along with the already existing book "Saison 1 (A1)", two other lessons Lesson 10: Quelle caisson? and Lesson 12: Cela fait... of the book "À Votre Service 1" were included. There was no change in the syllabus of French Paper IV Semester IV. The same book Saison 2 (A2) was followed. Weekly one hour is allotted for TNPSC coaching for first year and second year students only.**
6. Additional names for the panel of question paper setters and evaluators (Mr. Calixte Bruno Zhille, Ms. S. Hemalatha , Mrs. C. Jeevitha) were included and it was approved.

Signatures:

1. Chairman
2. University Representative
3. Subject Expert
4. Alumni

Dr. V. Shoba

Mr. Calixte Bruno Zhille

Ms. Hemalatha

Ms. Mahima Manoj

Chairman / Chair Person (BoS)
Dr. V. SHOBA

M.A., M.Phil., Ph.D (English), DFL (French),
DBL B1 (French), B1 (German), M.A (Hindi), M.C.A.,
Assistant Professor



Principal
PRINCIPAL

C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049



CMS COLLEGE OF SCIENCE AND COMMERCE

Affiliated to Bharathiar University, NAAC: Re-Accredited at the "A+" Level

CHINNAVEDAMPATTI, COIMBATORE – 641 049.

NAAC – SSR

Criterion – 1-Curricular Aspects

Cycle-IV

Academic Flexibility

SCHOOL OF BIOLOGICAL SCIENCE

CMS COLLEGE OF SCIENCE AND COMMERCE
SCHOOL OF BIOLOGICAL SCIENCES
DEPARTMENT OF BIOCHEMISTRY
MINUTES OF THE 19TH BOARD OF STUDIES HELD ON 21.07.2022
UG BIOCHEMISTRY BOARD


GENERAL CHANGES IN THE SCHEME AND SYLLABUS:

1. The course “Commercial Practice” has been incorporated as an extra credit course from 2022 batch onwards in the scheme.
2. Case study has to be incorporated in the syllabus of Core course titled “Clinical Biochemistry and Diagnostics” for the 2022-25 batch.
3. The nomenclature of certain courses has been renamed as “Chemistry of Biomolecules, Mushroom cultivation technology, Bioinformatics, Molecular biology, Plant Biochemistry and Pathology, Biochemistry of drugs and clinical research” in the scheme of 2022-25 batch.
4. The Second-year and Third year syllabus for the batch 2021-2024, 2020-23 has been framed and passed in the meeting.
5. Modifications of the courses have been carried out according to the proposal of the star college scheme.
6. References have been updated and modified according to APA format.
7. The overall percentage of updations / modifications in UG Biochemistry syllabus is 20 to 25%.

ATTESTED


Chairman, BoS




PRINCIPAL
C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

MINUTES OF BOS 19 MEETING

DEPT: BIOCHEMISTRY

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	1 UG BC /BT/ MB/ (2022 - 25 BATCH)	Core Course I: Cell Biology	GA	1. In UNIT III the topic “Plastids” has been added. 2. In UNIT V the topic “Structure, forms and functions of DNA” has been added.
2	1 UG BC (2022 - 25 BATCH)	Core Course II: Chemistry of Biomolecules	SNG	1. In unit I, the topics “cyclic and open chain structure of carbohydrates, hydroxyl, aldehyde, ketone and examples of biologically important carbohydrates in mono, oligo, polysaccharides” has been added. 2. In unit II, the topic “types of lipoproteins and their biological effects in human health” has been included. 3. In unit III, the topics “Determination of amino acid composition of proteins, Denaturation and renaturation of proteins, Haemoglobin and Myoglobin” has been incorporated. 4. In unit IV. the topic “T _m values and their significance; cot curves and their significance” has been added. 5. In unit V, the topic “Daily requirements of the above-mentioned macro and micro minerals” has been included.
3	1 UG BC (2022 - 25 BATCH)	Core Practical I: Cell Biology and Biochemistry	JJ	1. In core practical I in the qualitative analysis in Biochemistry part, analysis of serine and methionine, has been added.

4	1 UG BC /BT/ MB/ (2022 - 25 BATCH)	Allied Course I: Chemistry	ND	1.In Unit III “ElectroChemistry Kohlraus’s law, Measurement of Conductance, pH determination, Hydrolysis of Salt, pH and buffer in living system” has been added.
5	1 UG BC /BT/ MB/ (2022 - 25 BATCH)	Allied Practical I: Chemistry	VMM	1.The topic “Laboratory Rules and Regulations to be followed in the Chemistry Lab” has been added

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	1 UG BC (2022 - 25 BATCH)	CORE COURSE III: MICROBIOLOGY	ND	1. In Unit II the topic "Basics" has been replaced as "Basic" 2. In Unit III the Topic "Maintenance and preservation/stocking of pure cultures " has been added
2	1 UG BC /BT/ MB/ (2022 - 25 BATCH)	CORE COURSE IV: BIOANALYTICAL TECHNIQUES	VMM	In Unit I the topic "Refrigeration, Paraffin Method and Lyophilisation" topics has been added with Cryopreservation.
3	1 UG BC (2022 - 25 BATCH)	CORE PRACTICAL II: MICROBIOLOGY AND BIOANALYTICAL TECHNIQUES	GA	In Microbiology practical the topics "Biochemical tests:(a) Catalase test (c) Oxidase test (d) Sugar fermentation test (e) Indole test (f) Citrate test " has been added.
4	1 UG BC /BT/ MB/ (2022 - 25 BATCH)	ALLIED PRACTICAL II: CHEMISTRY	ICV	The experiment "Polyhydric phenol" has been replaced by "Resorcinol"
5	1 UG BC /BT/ MB/ (2022 - 25 BATCH)	MODULE I: COURSE I: PRINCIPLES OF CLINICAL LABORATORY TECHNOLOGY AND MANAGEMENT	VMM	No changes required

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

MINUTES OF BOS 19 MEETING

DEPT: BIOCHEMISTRY

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	2 UG BC (2021 - 24 BATCH)	Core Course V: Enzymology	MS	In Unit- 1- the word Features was added and the word Definition has been removed. Interaction between enzyme and substrate has been added, the theories proposed were removed. In Unit-2 - Relationship between initial velocity and substrate concentration, for uni substrate reactions have been added. The reference books were updated.
2	2 UG BC (2021 - 24 BATCH)	Core Practical III: Enzymology	MS	The experiment 'Isolation and estimation of casein from milk, Isolation of lecithin from egg yolk, and Isolation of potato from starch' experiments has been added and 'Determination of the activity of invertase enzyme using commercially available yeast tablets' have been removed. The CO's also updated.
3	2 UG BC (2021 - 24 BATCH)	Elective I: Nutritional Biochemistry	ND	In Unit II "and its regulation" have been added.
4	2 UG BC/BT/MB (2021 - 24 BATCH)	SBS I: Bio- entrepreneurial development course 1- Mushroom cultivation	VR	1. In Unit-II, the topic "World and Indian mushroom productionscenario" has been added. 2. In Unit-IV the topic "Entrepreneurship development through spawn production" has been added. 3. In Unit-V the topic "Entrepreneurship opportunities in mushroom culture" has been added. 4. New Text books, Reference books and E books have been added.
5	2 UG BC/BT/MB (2021 - 24 BATCH)	Module I: Course II: Techniques in	VMM	1. No changes

		Clinical Laboratory Technology		
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SL. NO	CLASS	SUBJECT	STAFF	Details of Changes suggested by the staff
1	2 UG BC (2021 - 24 BATCH)	INTERMEDIARY METABOLISM	SNG	1. Unit II the topics, "Metabolism of glucuronic acid (uronic acid pathway), Glycogen storage diseases, Hormonal control of carbohydrates metabolism, and Regulation of blood sugar level" has been incorporated.
2	2 UG BC (2021 - 24 BATCH)	CORE PRACTICAL IV- BIOCHEMICAL ANALYSIS	JJ	1. In the Biochemical analysis in Quantitative Estimations, Estimation of Lipids by sulphavaniline method has been added.
3	2 UG BC (2021 - 24 BATCH)	ELECTIVE II: BIOLOGY OF INFECTIOUS AND NON-INFECTIOUS DISEASES	JJ	1. In Unit 2 the topic "Typhoid causative agent, diagnosis and treatment" has been added. 2. In Unit 3 Chicken guniya-host parasite interaction pathogenesis diagnosis and treatment has been added. 3. In Unit 4 Pancreatitis -Risk factors symptoms diagnosis and prevention and Nephrotic syndrome -pathogenesis diagnosis and treatment has been added.
4	2 UG BC/BT/MB (2021 - 24 BATCH)	SBS: BIOENTREPRENEURIAL DEVELOPMENT COURSE: COMPUTATIONAL BIOLOGY	SP	1. In unit II the topic "Protein Information Resource (PIR): About PIR, Resources of PIR, Databases of PIR, Data Retrieval in PIR" has been added.
5	2 UG BC/BT/MB (2021 - 24 BATCH)	IDC: BIOINSTRUMENTATION	MS	There is no change in the syllabus
6	2 UG BC/BT/MB (2021 - 24 BATCH)	MODULAR: FUNDAMENTALS OF HUMAN PHYSIOLOGY	ND	In Unit III - Excretory System - Topic "Micturition" has been added

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

MINUTES OF BOS 19 MEETING -

DEPT: BIOCHEMISTRY

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	3 UG BC / BT (2020 - 23 BATCH)	CORE COURSE VII: HUMAN PHYSIOLOGY	VMM	1.In Unit I “Structure of Smooth muscle” has been included.
2	3 UG BC (2020 - 23 BATCH)	CORE COURSE VIII: MOLECULAR GENETICS	JJ	1.In Unit I Gene library has been added. 2.In unit III Plasmid vectors and vectors based on lambda bacteriophage have been added. 3.In Unit IV Nucleic acid hybridization assay has been added.
3	3 UG BC (2020 - 23 BATCH)	CORE COURSE IX: CLINICAL BIOCHEMISTRY AND DIAGNOSTICS	VN	1. In Unit II the topic “principles and application of glucometer” has been added. 2. In unit IV the topic “Flame photometer and urine analysis strips have been added. 3. In unit V the topic “Disturbances of electrolytes” has been deleted and the topic “Diagnostic importance of electrolytes” has been added.
4	3 UG BC/BT/MB (2020 - 23 BATCH)	CORE COURSE X: IMMUNOLOGY	MM	1.In Unit I “Development of T cells and B cells” has been added. 2. In Unit V “Concepts and challenges” has been added.
5	3 UG BC (2020 - 23 BATCH)	ELECTIVE 3: CONCEPTS IN DRUG DISCOVERY AND CLINICAL RESEARCH	JJ	1.In Unit I Routes of drug administration has been added. 2.In Unit II Traditional vs rational drug design has been added. 3.In Unit III Pharmacophore mapping and pharmacophore based screening has been added.

6	3 UG BC/BT/MB (2020 - 23 BATCH)	SBS IV: BIO ENTREPRENEURIA L DEVELOPMENT COURSE III: ORGANIC FARMING	ICV	New Syllabus have been framed.
7	3 UG BC (2020 - 23 BATCH)	CORE PRACTICAL III: CLINICAL BIOCHEMISTRY AND IMMUNOLOGY	GA	1.In Estimation of serum “Protein by Lowry’s method and Bilirubin by Diazo method” has been added. 2.In Hematology “ESR and Hemoglobin” has been added.
8	3 UG BC/BT/MB (2020 - 23 BATCH)	MODULE II – COURSE II – CLINICAL BIOCHEMISTRY	GA	1.In Unit IV “Biologically important hormones and functions” has been added. 2. In UNIT V “Growth factors – EGF and TGF” has been added.
9	3 UG (EXCEPT BIOSCIENCES) (2020 - 23 BATCH)	EDC- HUMAN NUTRITION	ND	1. In Unit IV “Novel foods” has been added. 2. In Unit V “immuno compromised individuals” has been added.

SL. NO	CLASS	SUBJECT	STAFF	Details of Changes suggested by the staff
1	3 UG BC (2020 - 23 BATCH)	PLANT BIOCHEMISTRY	VN	1. In unit I the topics "structure, composition and functions of cell organelles, biosynthesis of cell wall, transport mechanisms, mechanism of transpiration, guttation and photosynthetic pigments" has been added. 2. Unit II to IV has been revamped and the topic "Biochemistry of plant diseases" has been included in unit IV.
2	3 UG BC (2020 - 23 BATCH)	BIOCHEMISTRY AND FUNCTION OF HORMONES	GA	New syllabus has been framed, with course objectives, course outcome, content, text, reference and e-books and program outcomes.

3	3 UG BC (2020 - 23 BATCH)	PHARMACOLOGY	ND	In Unit V the topic "Types of Anesthesia " has been included
4	3 UG BC (2020 - 23 BATCH)	CORE PRACTICAL VI: PLANT BIOCHEMISTRY	VN	Syllabus has been newly framed with course objectives, outcomes and references.
5	3 UG BC (2020 - 23 BATCH)	ELECTIVE IV: BIOTECHNOLOGY	MS	1. In UNIT-1, the topic "Initiation & differentiation in PTC" has been rearranged. 2. In UNIT-2, the topic "Culture media- natural media, artificial media, serum free media, serum containing media, Functions of different constituents of culture medium" had been added and the topic - "Establishment of cell in culture: Requirements for in vitro growth;" had been removed. 3. The text book has also been updated.
6	3 UG BC/BT/MB (2020 - 23 BATCH)	SBS: BIOENTREPRENEURIAL DEVELOPMENT COURSE: MEDICAL CODING AND MEDICAL TRANSCRIPTION	VR	New syllabus has been framed, with course objectives, course outcome, content, text, reference and e books and program outcomes.
7	3 UG BC/BT/MB (2020 - 23 BATCH)	MODULAR: CLINICAL MICROBIOLOGY	SA	No changes.



Chairman, BoS

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Biochemistry Undergraduate Programme (UG) was conducted on 4th Jan 2023 at 9:30 am

The following resolutions were made in the Board of Studies meeting,

1. The draft scheme of the academic year, 2023-24 for undergraduate Biochemistry program was discussed and finalized.

A handwritten signature in blue ink, consisting of a stylized 'C' followed by 'S' and 'M', with a long horizontal line extending to the right.

Chairman / Chair Person (BoS)

CMS COLLEGE OF SCIENCE AND COMMERCE

DEPARTMENT OF BIOCHEMISTRY


UG BIOCHEMISTRY BOARD

21ST BOARD OF STUDIES

GENERAL MINUTES

The following resolutions were made in the Board of Studies meeting,

1. The scheme and syllabi of I and II semester of UG Biochemistry for the students admitted during the academic year 2023- 2024 and onwards were approved.
2. The distribution of credits as well as marks for various courses were discussed for the students admitted during the academic year 2023-2024 and finalized.
3. The scheme for the batch 2022-25 has been ratified and finalized.
4. The syllabi of III, IV, V and VI semesters of the UG Biochemistry for the students admitted during the academic year 2022- 2023 and onwards were approved.
5. The syllabi of V and VI semester of the UG Biochemistry for the students admitted during the academic year 2021 - 2023 and onwards were approved.
6. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
7. Extra Disciplinary course for undergraduate courses titled 'Human Nutrition' has been offered for all undergraduate programs except B.Sc., Biochemistry program from 2022 batch onwards.
8. The syllabus for the certificate course titled 'Herbal Technology' for all the undergraduate programs was approved and passed for the batch 2021-24 and onwards.
9. The percentage of change in nomenclature of the various courses is found to be 23% for 2023-24 batch.


DIRECTOR
School of Biological Sciences
CMS College of Science & Commerce
Coimbatore - 641 049, Tamil Nadu, India
Chairman, BoS

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES


MINUTES OF BOS 21 MEETING

DEPT: BIOCHEMISTRY

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	1 UG BC /BT/ MB/ (2023 - 26 BATCH)	CORE COURSE I: CELLULAR BIOLOGY	VN	<p>In unit IV, the word “Extracellular matrix” has been rearranged. Also, the topic “types of junctions” has been inserted.</p> <p>In unit V, the topic ‘salient features of transformed cells’ have been inserted.</p>
2	1 UG BC (2023 - 26 BATCH)	CORE COURSE II: MOLECULES OF LIFE	MS	<p>In Unit-1, the word glucose, and mucopolysaccharide have been added and the word melezitose has been removed.</p> <p>In Unit- 2, the word ‘roles’ has been added, and the word effects have been removed.</p> <p>In Unit-3, the topic ‘Biological functions of proteins ‘has been added.</p> <p>In Unit-4, the word ‘Biological’ has been added.</p>
3	1 UG BC (2023 - 26 BATCH)	CORE III- PRACTICAL I: CELLULAR BIOLOGY AND BIOCHEMISTRY	GA	<p>The practical “Observation of stomatal cells in plants” has been added.</p>
4	1 UG BC /BT/ MB/ (2023 - 26 BATCH)	ALLIED COURSE I: CHEMISTRY	ND	<p>In Unit III the topic “Hand Sanitizers” has been added.</p>

5	1 UG BC /BT/ MB/ (2023 - 26 BATCH)	ALLIED COURSE II- PRACTICAL I: CHEMISTRY	ND	In Experiment 1 “Good laboratory practices (GLP)” has been added
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Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	1 UG BC (2023 - 26 BATCH)	CORE COURSE IV: MICROBIOLOGY	ND	In Unit V, the topic “Oncogenic viruses” have been included
2	1 UG BC /BT/ MB/ (2023 - 26 BATCH)	CORE COURSE IV: BIOANALYTICAL TECHNIQUES	VMM	In Unit III, the topic “Microcentrifuge” has been included.
3	1 UG BC (2023 - 26 BATCH)	CORE PRACTICAL II: MICROBIOLOGY AND BIOANALYTICAL TECHNIQUES	GA	No changes
4	1 UG BC /BT/ MB/ (2023 - 26 BATCH)	ALLIED COURSE II: PRACTICAL II: CHEMISTRY	ICV	The experiment ‘Qualitative analysis of primary amines’ has been included.
5	1 UG BC /BT/ MB/ (2023 - 26 BATCH)	MODULE I: COURSE I: PRINCIPLES OF CLINICAL LABORATORY TECHNOLOGY AND MANAGEMENT	VMM	No changes


Chairman, BoS
 DIRECTOR
 School of Biological Sciences
 CMS College of Science & Commerce
 Coimbatore - 641 049, Tamil Nadu, India

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

MINUTES OF BOS 21 MEETING

DEPT: BIOCHEMISTRY

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	2 UG BC (2022 - 25 BATCH)	Core Course VII: Enzymology	MS	1. In unit II, the word 'kinetics' has been changed to 'approximation kinetics'. 2. In Unit-3, the Nucleophilic catalysis has been added and covalent catalysis is removed. 3. In Unit-4, the Non vitamin derived coenzymes: ATP have been added. 4. In Unit-5, the words methods and industrial have been added and the word techniques has been removed.
2	2 UG BC (2022 - 25 BATCH)	Core Course VIII: Practical III – Enzymology and Nutritional Biochemistry	ND	The experiment "Estimation of Vitamin-C from fruit juice" have been included.
3	2 UG BC (2022 - 25 BATCH)	Elective I: Nutritional Biochemistry	SNG	In Unit II, the topic 'Regulation of intra and extracellular volume, Electrolyte balance, Osmolality, Water balance and its regulation' also, the term 'Daily' and 'Physiological significance', and 'Glycaemic index of foods' have been added. In Unit III, "Transport of lipoprotein and Prostaglandins have been added. In Unit IV, some of the micro and trace minerals have been added. In Unit V, the following chapter title "Nutritional Challenges and Quality Management", also the level of consumption of glucose from various sources have been included.
4	2 UG BC/BT/MB (2022 - 25 BATCH)	SBS I: Bio- entrepreneurial development course	GA	In unit V the topics "freezing, dry freezing, drying, canning, Value added products of mushrooms" have been added

		1- Mushroom cultivation Technology		
5	2 UG BC/BT/MB (2022 - 25 BATCH)	Module I: Course II: Techniques in Clinical Laboratory Technology	VMM	In Unit III – ‘VTM’ (Viral Transport Medium) has been added.

SL. NO	CLASS	SUBJECT	STAFF	Details of Changes suggested by the Staff
1.	2 UG BC (2022 - 25 BATCH)	CORE COURSE IX INTERMEDIARY METABOLISM	SNG	In Unit II, the following terms "of TCA cycle" and "Hexose" have been added. In Unit III, "Disorders of Lipid Metabolism" has been added. In Unit V, "Disorders of nucleic acid metabolism (Gout, Lesch Nyhan syndrome)" has been added.
2.	2 UG BC (2022 - 25 BATCH)	CORE COURSE X: PRACTICAL IV – BIOCHEMICAL ANALYSIS	JJ	Estimation of casein from Milk has been added.
	2 UG BC (2022 - 25 BATCH)	ELECTIVE II: BIOLOGY OF INFECTIOUS AND NON-INFECTIOUS DISEASES	JJ	In Unit 2, the following topic "Nipah Virus (NIV)", HINI, HBs Ag, HCV and CMV have been added. Also, the role of IgG and IgM with reference to specific disease have been included. In Unit 5, the following topics "Alzheimer's disease and Dementia" have been added.
4.	2 UG BC/BT/MB (2022 - 25 BATCH)	SBS: BIOENTREPRENEURIAL DEVELOPMENT COURSE: BIOINFORMATICS	SP	In Unit -V The topics "Threading and Molmol" have been added.

5.	2 UG BC/BT/MB (2022 - 25 BATCH)	IDC: BIOINSTRUMENTATION	ND	In Unit II the topic” NanoBiosensor” has been added
6.	2 UG BC/BT/MB (2022 - 25 BATCH)	MODULAR: FUNDAMENTALS OF HUMAN PHYSIOLOGY	ND	In Unit V the topic “Changes during pregnancy and lactation” have been included

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	3 UG BC / BT (2022 - 25 BATCH)	CORE COURSE XI – HUMAN PHYSIOLOGY	ND	In Unit I “Body Fluids- Intracellular, extracellular and interstitial fluid” have been added. In Unit V, the topic ‘Thyroid’ has been included.
2	3 UG BC (2022 - 25 BATCH)	CORE COURSE XII – MOLECULAR BIOLOGY	JJ	In Unit II, ‘Types of RNA’ has been added. In Unit V Edward syndrome and patau syndrome has been added.
3	3 UG BC (2022 - 25 BATCH)	CORE COURSE XIII – CLINICAL BIOCHEMISTRY AND DIAGNOSTICS	VN	In unit V the topic ‘Biomedical Importance of tumor markers’ has been added.
4	3 UG BC/BT/MB (2022 - 25 BATCH)	CORE COURSE XIV- IMMUNOLOGY	VA	1. In Unit III, topics such as ‘Bombay blood grouping and Chimeric antibody’ have been added. Also the topic “C Reactive Protein and ASO” have been added.
5	3 UG BC (2022 - 25 BATCH)	CORE COURSE XV: PRACTICAL V – CLINICAL BIOCHEMISTRY	JJ	In serum analysis, Estimation of Phosphorus, also, the experiment, ASO has been added.

		AND IMMUNOLOGY		
5	3 UG BC (2022 - 25 BATCH)	ELECTIVE 3: BIOCHEMICAL APPLICATIONS IN FORENSICS	MS	The new syllabus has been framed. The COs and POs been updated
6	3 UG BC/BT/MB (2022 - 25 BATCH)	SBS IV: BIO ENTREPRENEUR IAL DEVELOPMENT COURSE III: ORGANIC FARMING	IC V	In Unit-III the topic 'Influence of organic farming on soil' has been added.
7	3 UG (EXCEPT BIOSCIENCES) (2022 - 25 BATCH)	EDC- HUMAN NUTRITION	GA	In Unit II Saturated fats and unsaturated fatty acids, Proteins and amino acids have been added
8	3 UG BC/BT/MB (2022 - 25 BATCH)	MODULE II – COURSE II – CLINICAL BIOCHEMISTRY	SN G	In Unit II, the topics 'Cardiac function tests' has been added.

SL. NO	CLASS	SUBJECT	STAFF	Details of Changes suggested by the staff
1	3 UG BC (2022 - 25 BATCH)	CORE COURSE XVI – PLANT BIOCHEMISTRY AND PATHOLOGY	VN	In unit V, the topic 'flavanoids, steroids' and 'Importance of phytochemical screening of secondary metabolites' have been inserted, also, the topic 'phytomedicine' has been rearranged. The topic 'plant sample preparation method has been removed.
2	3 UG BC (2022 - 25 BATCH)	CORE COURSE XVII – ENDOCRINOLOGY	GA	In Unit IV the topic "Hormones involved in calcium metabolism" has been added.
3	3 UG BC (2022 - 25 BATCH)	CORE COURSE XVIII: DRUG BIOCHEMISTRY AND CLINICAL RESEARCH	MS	The New syllabus is framed and passed

4	3 UG BC (2022 - 25 BATCH)	CORE COURSE XIX: PRACTICAL VI – PLANT BIOCHEMISTRY AND DRUG BIOCHEMISTRY	GA	In Drug Biochemistry, the topics of “Assay of Dapsone, Assay of Benzyl Penicillin and Synthesis of Aspirin have been added. The practical phytochemical analysis has been converted to group experiment.
5	3 UG BC (2022 - 25 BATCH)	ELECTIVE IV: BIOTECHNOLOGY	SNG	In Unit III, the following topics "Basic tools for animal tissue culture – Fibroblast cell lines. Hela cell line – Significance of animal tissue culture" have been included.
6	3 UG BC/BT/MB (2022 - 25 BATCH)	SBS: BIOENTREPRENEURIAL DEVELOPMENT COURSE: MEDICAL CODING AND MEDICAL TRANSCRIPTION	VR	In Unit-IV the topics “Pharmacological Compendium, Surgical Compendium - surgical instruments” have been added.
7	3 UG BC/BT/MB (2022 - 25 BATCH)	MODULAR: CLINICAL MICROBIOLOGY	SA	No changes.



Chairman, BoS

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

MINUTES OF BOS 21 MEETING -

DEPT: BIOCHEMISTRY

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	3 UG BC / BT (2021 - 24 BATCH)	CORE COURSE VII: HUMAN PHYSIOLOGY	ND	In Unit I “Body Fluids- Intracellular, extracellular and interstitial fluid” have been added. In Unit V, the topic ‘Thyroid gland’ has been included.
2	3 UG BC (2021 - 24 BATCH)	CORE COURSE VIII: MOLECULAR GENETICS	JJ	In Unit II, ‘Types of RNA’ has been added. In Unit V Edward syndrome and patau syndrome has been added.
V	3 UG BC (2021 - 24 BATCH)	CORE COURSE IX: CLINICAL BIOCHEMISTRY AND DIAGNOSTICS	VN	In unit V the topic ‘Biomedical Importance of tumor markers’ has been added.
4	3 UG BC/BT/MB (2021 - 24 BATCH)	CORE COURSE X: IMMUNOLOGY	VA	1. In Unit III, topics such as ‘Bombay blood grouping and Chimeric antibody’ have been added. Also, the topic “C Reactive Protein and ASO” have been added.
5	3 UG BC (2021 - 24 BATCH)	CORE PRACTICAL V – CLINICAL BIOCHEMISTRY AND IMMUNOLOGY	JJ	In serum analysis, Estimation of Phosphorus, also, the experiment, ASO has been added.

6	3 UG BC (2021 - 24 BATCH)	ELECTIVE III: GROUP A: CONCEPTS IN DRUG DISCOVERY AND CLINICAL RESEARCH	MS	In Unit II, the topic partition coefficient has been added. In Unit III, the topic 'High throughput screening has been included.
6	3 UG BC/BT/MB (2021 - 24 BATCH)	SBS IV: BIO ENTREPRENEURIAL DEVELOPMENT COURSE III: ORGANIC FARMING	ICV	In Unit-III the topic 'Influence of organic farming on soil' has been added.
7	3 UG (EXCEPT BIOSCIENCES) (2021 - 24 BATCH)	EDC- HUMAN NUTRITION	ND	In Unit II Saturated fats and unsaturated fatty acids, Proteins and amino acids have been added
8	3 UG BC/BT/MB (2021 - 24 BATCH)	MODULE II – COURSE II – CLINICAL BIOCHEMISTRY	SNG	In Unit II, the topics 'Cardiac function tests' has been added.

SL. NO	CLASS	SUBJECT	STAFF	Details of Changes suggested by the staff
1	3 UG BC (2021 - 24 BATCH)	CORE COURSE XI: PLANT BIOCHEMISTRY	VN	In unit V, the topic 'flavonoids, steroids' and 'Importance of phytochemical screening of secondary metabolites' have been inserted, also, the topic 'phytomedicine' has been rearranged. The topic 'plant sample preparation method has been removed.
2	3 UG BC (2021 - 24 BATCH)	CORE COURSE XII: ENDOCRINOLOGY	GA	In Unit IV the topic "Hormones involved in calcium metabolism" has been added.

3	3 UG BC (2021 - 24 BATCH)	CORE COURSE XIII: PHARMACOLOGY	ND	In Unit V the topic 'General and Local Anaesthetics' have been added
4	3 UG BC (2021 - 24 BATCH)	CORE PRACTICAL VI: PLANT BIOCHEMISTRY	VN	The practical phytochemical analysis has been converted to group experiment.
5	3 UG BC (2021 - 24 BATCH)	ELECTIVE IV: BIOTECHNOLOGY	SNG	In Unit III, the following topics "Basic tools for animal tissue culture – Fibroblast cell lines. Hela cell line – Significance of animal tissue culture" have been included.
6	3 UG BC/BT/MB (2021 - 24 BATCH)	SBS: BIOENTREPRENEURIAL DEVELOPMENT COURSE: MEDICAL CODING AND MEDICAL TRANSCRIPTION	VR	In Unit-IV the topics "Pharmacological Compendium, Surgical Compendium - surgical instruments" have been added.
7	3 UG BC/BT/MB (2021 - 24 BATCH)	MODULAR: CLINICAL MICROBIOLOGY	SA	No changes.



Chairman, BoS

CMS COLLEGE OF SCIENCE AND COMMERCE
SCHOOL OF BIOLOGICAL SCIENCES
DEPARTMENT OF BIOCHEMISTRY
MINUTES OF THE 19TH BOARD OF STUDIES HELD ON 21.07.2022
PG BIOCHEMISTRY BOARD

GENERAL CHANGES IN THE SCHEME AND SYLLABUS:

1. The nomenclature of certain courses has been renamed as “Chemistry of Biopolymers, Cellular Biology and Neurochemistry, Research methodology, Biostatistics and Bioanalytical techniques, Computational Biology, Bioenergetics and Intermediary metabolism, Pharmaceutical Biochemistry, in scheme of 2022-24 batch.
2. Case study has been incorporated in unit VI of all the courses.
3. Atleast one online course (NPTEL, MOOC) should be completed by the student for which extra two credits will be awarded from the batch 2022.
4. The Second-year syllabus for the batch 2021-2023 has been framed and passed in the meeting.
5. References have been updated and modified according to APA format.
6. The overall percentage of updations / modifications in PG Biochemistry syllabus is 20 to 25%.



Chairman, BoS

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE
SCHOOL OF BIOLOGICAL SCIENCES
DEPT: BIOCHEMISTRY

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	1 PG BC (2022 - 24 BATCH)	Course I: Biopolymers	MS	1. In Unit-3 the topic “omega - 6 fatty acids and biological functions” have been added and “functions” have been removed. 2. In Unit-4 the topic “Maxam and Gilbert method and Dideoxy method” have been added.
2	1 PG BC (2022 - 24 BATCH)	Course II: Cellular Biochemistry and Neurochemistry	GA	1. In Unit I “Factors affecting fluidity and permeability of membrane” have been added. 2. In Unit III the topic “Protein targeting to peroxisomes” has been added. 3. In Unit IV the topic “Blood Brain barrier functions, Neurotransmitters classifications and Histamine” have been added.
3	1 PG BC (2022 - 24 BATCH)	Course III: Advanced Enzymology and Enzyme Technology	MS	1. In Unit-1, the sentence “according to IUB” has been added. 2. In Unit-4, the word “Linear” has been added in-front of transformation. The topic “Clelands notation with examples of ordered, random and ping-pong reactions” have been added. The topic “Ping-pong mechanism, random-order mechanism and Examples of bi-substrate reactions” have been removed.
4	1 PG BC / BT/MB/AMB (2022 - 24 BATCH)	Course IV: Molecular Genetics	SNG	In unit III, the topics “principles of Cell-based DNA Cloning, Cloning System for amplifying different sized fragments, Cloning system that produces single stranded, and mutagenized DNA” have been added.

5	1 PG BC / BT/MB/AMB (2022 - 24 BATCH)	Elective I: Bioethics, Biosafety, TQM and IPR	SP	1.In Unit V the topic- “Geographical indication: Meaning, Difference between GI and trademarks. Copyright-Registration Procedure, Ownership and license of copyright” have been added.
6	1 PG BC (2022 - 24 BATCH)	Practical I: Cell Biology, Genetics and Enzymology	SNG	In the practical, the experiments “Under colorimetric experiment, estimation of urea and uric acid by DAMO method, analysis of amylase, catalase, catecholase, invertase, papain, pectinase, pepsin, and renin have been incorporated.
7	1 PG BC / BT/MB/AMB (2022 - 24 BATCH)	Module I: Course I: Concepts in Clinical Laboratory Technology and Management	SA	1. In Unit I the topic “Laboratory inventory management- objective and guidelines” have been added.
8	1 PG BC / BT/MB/AMB (2022 - 24 BATCH)	Module I: Course II: Methods in Clinical Laboratory Technology	VMM	No changes

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	1 PG BC / BT/MB/AMB (2022 - 24 BATCH)	Metabolism And Metabolic Regulation	JJ	1.In Unit 1 the topic “Laws of thermodynamics, reversible and irreversible processes” have been added. 2. In Unit 2 the topic “Glyoxylate cycle and its significance” has been added. 3.In Unit 3 the topic “Biosynthesis of saturated fatty acids and fatty acid synthase complex” have been added.
2	1 PG BC / BT/MB/AMB (2022 - 24 BATCH)	Endocrinology And Cell Signalling	GA	In UNIT V the topic "Receptor regulation and cross talk" has been added.
3	1 PG BC / BT/MB/AMB (2022 - 24 BATCH)	Genetic Engineering	SNG	In Unit I the topics "applications of gene cloning, Lac Z gene, Multiple cloning sites (MCS), Shuttle vectors and its advantages”

				has been included.
4	1 PG BC / BT/MB/AMB (2022 - 24 BATCH)	Research Methodology And Bioanalytical Techniques	ND	In Unit III - "Statistical tools for Data Analysis" has been added.
5	1 PG BC / BT/MB/AMB (2022 - 24 BATCH)	Practical II: Bioanalytical Techniques, Genetic Engineering And Bioinformatics	SNG	In Practical the experiments, "Restriction digestion of DNA, Ligation of DNA and Protein separation by SDS-PAGE" has been added.
6	1 PG BC / BT/MB/AMB (2022 - 24 BATCH)	Elective II- Computational Biology	SP	1. Elective II has been renamed from "Bioinformatics" to "Computational Biology" 2. In unit IV the topic "Scoring Matrices, Percent Accepted Mutation (PAM), Blocks of Amino Acid Substitution Matrix (BLOSUM)" have been added.
7	1 PG BC / BT/MB/AMB (2022 - 24 BATCH)	Modular: Physiology of Human System	JJ	1. In Unit 2 the topic "chronic obstructive pulmonary disease risk factors, pathogenesis and diagnosis have been added. 2. In Unit 3 proteinuria and micturition has been added.
8	1 PG BC / BT/MB/AMB (2022 - 24 BATCH)	Modular: Diagnostic Biochemistry	SNG	No changes in the syllabus.

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE**SCHOOL OF BIOLOGICAL SCIENCES****DEPT: BIOCHEMISTRY**

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	2 PG BC (2021 - 23 BATCH)	Course IX: Advanced Clinical Biochemistry and Molecular Diagnostics	VN	No changes
2	2 PG BC (2021 - 23 BATCH)	Course X: Drug Biochemistry	ND	1.In Unit V “Multidrug Drug resistance and production of secondary metabolites by plant culture”, “tolerance” have been added.
3	2 PG BC/ BT/MB/AMB (2021 - 23 BATCH)	Course XI: Immunology and Immunotechnology	MM	1.In Unit I “ Development of T Cells and B Cells” have been added. 2.In Unit V “Transplantation-concepts and challenges” have been added.
4	2 PG BC/ BT/MB/AMB (2021 - 23 BATCH)	Course XII: Genomics and Proteomics	SP	1.In Unit IV “Introduction to Proteomics – The Proteome, Mining proteomes, Bridging Genomics and Proteomics. Proteomics and new biology” have been added.
5	2 PG BC (2021 - 23 BATCH)	Elective III: Molecular Basis of infectious and non-infectious diseases	JJ	1.In Unit II Hepatitis infection has been added. 2.In Unit III Botulism causative agents diagnosis and treatment have been added. 3.In Unit V Stroke symptoms diagnosis and treatment have been added
6	2 PG BC (2021 - 23 BATCH)	Practical III- Advanced	VN	No changes

		Clinical Biochemistry and Immunology		
10	2 PG BC/ BT/MB/AMB (2021 - 23 BATCH)	Module II: Course III: Diagnostic Microbiology	SA	The pos and cos have been modified and new reference books have been updated.
11	2 PG BC/ BT/MB/AMB (2021 - 23 BATCH)	Module III: Course I: Endocrinology and Tumor Markers	SNG	In unit I, the topics “differentiation between hormones and enzymes and the regulation cum general mechanism of action of hormones” has been included. In unit II, the topics “adrenal cortical hormones - synthesis and secretion and aldosterone and its function” has been added. In unit IV, the topics “definition and mechanism of oncogenes and Clinical applications of tumour marker” has been included.
14	2 PG BC/BT/MB/AMB (2021 - 23 BATCH)	EDC: ORGANIC FARMING	ICV	1. In Unit II “Construction of composting pit” has been added.

SL. NO	CLASS	SUBJECT	STAFF	Details of Changes suggested by the staff
1	2 PG BC (2021 - 23 BATCH)	PLANT BIOCHEMISTRY AND PHYTOTHERAPEUTICS	VN	1. In Unit I the topics "stomatal movement, transpiration and plant movement" has been added. 2. In unit V the topics "Nature, function and biosynthesis of nicotine and biochemistry of plant toxins" has been added.

2	2 PG BC (2021 - 23 BATCH)	ADVANCED CANCER BIOLOGY	MS	In UNIT-1, the topic "Apoptosis in cancer-Cell death by apoptosis–role of caspases; Death signaling pathways-mitochondrial and death receptor pathways"had been added. In UNIT-2, the topic " stages in chemical carcinogenesis-initiation, promotion and progression had been added, the topic "Direct acting and indirect acting carcinogens - multistage carcinogenesis have been deleted.
3	2 PG BC (2021 - 23 BATCH)	PRACTICAL IV: PLANT BIOCHEMISTRY AND PHYTOTHERAPEUTI CS	VN	The experiment "Extraction and purification of protein by dialysis" has been added.
4	2 PG BC/BT/MB/AMB (2021 - 23 BATCH)	MODULAR: IMMUNOLOGY, SEROLOGY, PARASITOLOGY	MM	In Unit II-"Mechanism of resistance" have been added
5	2 PG BC/BT/MB/AMB (2021 - 23 BATCH)	MODULAR: MOLECULAR DIAGNOSTICS	GS	No changes

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Biochemistry Postgraduate Programme (PG) was conducted on 4th Jan 2023 at 9:30 am

The following resolutions were made in the Board of Studies meeting,

1. The draft scheme of the academic year, 2023-24 for postgraduate Biochemistry program was discussed and finalized.

A handwritten signature in blue ink, consisting of a circular initial followed by a series of loops and a long horizontal stroke extending to the right.

Chairman / Chair Person (BoS)

CMS COLLEGE OF SCIENCE AND COMMERCE

DEPARTMENT OF BIOCHEMISTRY


PG BIOCHEMISTRY BOARD

21ST BOARD OF STUDIES

GENERAL MINUTES

The following resolutions were made in the Board of Studies meeting:

1. The scheme and syllabi of I and II semester of PG Biochemistry for the students admitted during the academic year 2023- 2024 and onwards were approved.
2. The distribution of credits as well as marks for various courses were discussed for the students admitted during the academic year 2023-2024 and finalized.
3. The syllabi of III and IV semesters of the PG Biochemistry for the students admitted during the academic year 2022- 2023 and onwards were approved.
4. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
5. Extra Disciplinary course 'First Aid and Safety' has been introduced for all postgraduate programs except M.Sc., Biochemistry program from 2022 batch onwards.
6. The percentage of change in nomenclature of the various courses is found to be 23% for 2023-24 batch.


DIRECTOR
School of Biological Sciences
CMS College of Science & Commerce
Coimbatore - 641 049, Tamil Nadu, India

Chairman, BoS

SCHOOL OF BIOLOGICAL SCIENCES
DEPARTMENT OF BIOCHEMISTRY
BOS 21 MINUTES

SL. NO	CLASS	SUBJECT	STAFF	Details of Changes suggested by the staff
1	1 PG BC (2023 - 25 BATCH)	Course I: Chemistry of Biopolymers	GA	In unit V the topic “kinetics of nucleic acids - Melting temperature, Cot curves” has been added.
2	1 PG BC (2023 - 25 BATCH)	Course II: Cellular Biology and Neurochemistry	JJ	In Unit III the topic ‘Lysosomes and Ribosomes’ have been added.
3	1 PG BC (2023 - 25 BATCH)	Course III: Advanced Enzymology and Enzyme Technology	MS	In Unit-1, the topics ‘structure and functions and ‘NADPH’ have been added. In Unit-3, the topic ‘superoxide dismutase’ has been removed.
4	1 PG BC/ BT/ MB/AMB (2023 - 25 BATCH)	Course IV: Molecular Genetics	GA	In Unit III the topic “chromatin remodeling” has been added. In Unit V, the topic “Cystic fibrosis” has been included.
5	1 PG BC/ BT/ MB/AMB (2023 - 25 BATCH)	Elective I: Bioethics, Biosafety, TQM and IPR	ND	In Unit II the topic “Radiation safety” has been included. In Unit-V the topics ‘patents- types, patenting of genes, biological organisms, plants, animals, microbes and transgenic organisms, trade secrets’ have been removed and added with the topics such as ‘Patents: Foundation of patent law, patent searching process, Basic Criteria of Patentability, Conditions for Obtaining a Patent Protection, Rights Associated with Patents, Enforcement of Patent Rights, Inventions Eligible for Patenting, Gene patenting, Patenting of transgenic organisms, Patenting pharmaceuticals, Non-Patentable Matters, Patent Infringements, Process of Patenting, Commercialization of a Patent, Patent Related Forms, Types of Patent Applications, e-filing of patent

				application, Rights of Patentee, Challenges in patents, National Bodies Dealing with Patent Affairs, Patent agent – qualification and registration procedure’ were added. New text books were added related to the new topics added in Unit-V.
6	1 PG BC (2023 - 25 BATCH)	Practical I: Cell Biology, Genetics and Enzymology	MS	The topic ‘study of divisional stages in mitosis’ has been added and ‘Mitotic phase analysis in onion root tip’ has been removed.
7	1 PG BC/ BT/ MB/AMB (2023 - 25 BATCH)	Module I: Course I: Concepts in Clinical Laboratory Technology and Management	SA	No changes
8	1 PG BC/ BT/ MB/AMB (2023 - 25 BATCH)	Module I: Course II: Methods in Clinical Laboratory Technology	VMM	No change

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	1 PG BC (2023 - 25 BATCH)	Bioenergetics and Energy metabolism	JJ	In Unit I Reversible and irreversible reactions have been added.
2	1 PG BC (2023 - 25 BATCH)	Endocrinology And Cell Signaling	GA	No changes
3	1 PG BC / MB/AMB (2023 - 25 BATCH)	Recombinant DNA Technology	ND	In Unit V the topic “GM foods” have been included
4	1 PG BC / BT/MB/AMB (2023 - 25 BATCH)	Research Methodology, Biostatistics and Bioanalytical Techniques	ND	In Unit I “Components of research report - Title, Authors, Addresses, Abstract, Keywords, Introduction, Materials and Methods, Results, Discussion, Summary, Acknowledgements and Bibliography” have been included

5	1 PG BC (2023 - 25 BATCH)	Practical II: Bioanalytical Techniques, Recombinant DNA Technology and Computational Biology	MS	1. Negative staining for capsulated organism have been added 2. The word turbidity method has been added.
6	1 PG BC / BT/MB/AMB (2023 - 25 BATCH)	Elective II- Computational Biology	SP	In Unit V the topics 'SwissADME, PreADMET' has been added. In References a new online content has been included.
7	1 PG BC / BT/MB/AMB (2023 - 25 BATCH)	Modular: Physiology of Human System	JJ	In Unit IV the topic 'Structure and physiology of Ear' has been added.
8	1 PG BC / BT/MB/AMB (2023 - 25 BATCH)	Modular: Diagnostic Biochemistry	JJ	In unit I Biochemical tests for Calcium and phosphorus have been added.



Chairman, BoS

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

MINUTES OF BOS 21

DEPT: BIOCHEMISTRY

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	2 PG BC (2022 - 24 BATCH)	Course XI: Advanced Clinical Biochemistry and Molecular Diagnostics	VN	No changes
2	2 PG BC (2022 - 24 BATCH)	Course XII: Biochemistry of Drugs	GA	<p>In Unit I the topic “Drugs – structural features and pharmacological activity, prodrug concept, has been added.</p> <p>In Unit II the topic “Assay of drug potency: chemical, bioassay and immunoassay has been added.</p>
3	2 PG BC/ BT/MB/AMB (2022 - 24 BATCH)	Course XIII: Immunology and Immunotechnology	VA	<p>In Unit I the topic “Types of immunity: HI and CMI.” has been deleted.</p> <p>In Unit I the topics “Components of the immune system: Innate and adaptive (acquired) immunity: have been rearranged</p> <p>In Unit II the topics “Antigenic determinants on antibodies (Isotypic, allotypic, idiotypic) and Humanized antibody have been added.</p> <p>In Unit III, the topic “CLIA” has been incorporated.</p>

4	2 PG BC/ BT/MB/AMB (2022 - 24 BATCH)	Course XIV: Genomics and Proteomics	SP	In Unit II “Big Data- Overview and its Applications in genomics. Platforms for Big Data. Utilization in Biological Industry” has been added.
5	2 PG BC (2022 - 24 BATCH)	Practical III- Advanced Clinical Biochemistry and Immunology	VN	The practical, LFT demonstration has been converted in to group experiment
6	2 PG BC (2022 - 24 BATCH)	Elective III: Molecular Basis of infectious and non-infectious diseases	JJ	In Unit II Monkey pox has been added. In Unit V Parkinsons Disease and Dementia have been added,
7	2 PG BC/ BT/MB/AMB (2022 - 24 BATCH)	Module II: Course III: Diagnostic Microbiology	SA	No changes
8	2 PG BC/ BT/MB/AMB (2022 - 24 BATCH)	Module III: Course I: Endocrinology and Tumor Markers	JJ	In Unit I POMC peptides has been added
9	2 PG BC/BT/MB/AMB (2022 - 24 BATCH)	EDC: FIRST AID SAFETY	ND	New syllabus has been framed and finalized

SL. NO	CLASS	SUBJECT	STAFF	Details of Changes suggested by the staff
1	2 PG BC (2022 - 24 BATCH)	COURSE XVI: PLANT BIOCHEMISTRY AND PHYTOTHERAPEUTIC S	VN	In unit V, the word 'Importance of' has been included.
2	2 PG BC (2022 - 24 BATCH)	COURSE XVII: ADVANCED CANCER BIOLOGY	MS	In Unit -3, the topic ras cycle has been added.
3	2 PG BC (2022 - 24 BATCH)	COURSE XVIII: PRACTICAL IV: PLANT BIOCHEMISTRY AND PHYTOTHERAPEUTIC S	VN	The practical dialysis method of purification has been removed.
4	2 PG BC/BT/MB/AM B (2022 - 24 BATCH)	MODULAR: IMMUNOLOGY, SEROLOGY, PARASITOLOGY	VA	In Unit-III the topic "Monoclonal and Polyclonal antibody" has been added. IN Unit -V the topic String test for parasites" has been added
5	2 PG BC/BT/MB/AM B (2022 - 24 BATCH)	MODULAR: MOLECULAR DIAGNOSTICS	GS	No changes



Chairman, BoS

CMS COLLEGE OF SCIENCE AND COMMERCE
SCHOOL OF BIOLOGICAL SCIENCES
DEPARTMENT OF BIOTECHNOLOGY
MINUTES OF THE 19TH BOARD OF STUDIES HELD ON 20.07.2022
UG BIOTECHNOLOGY BOARD

GENERAL CHANGES IN THE SCHEME AND SYLLABUS:

1. The course “Commercial Practice” has been incorporated as an extra credit course from 2022 batch onwards in the scheme.
2. Case study has to be incorporated in the syllabus of the Core course titled “Genetics” for the 2022-2025 batch.
3. The nomenclature of certain courses has been renamed as “Mushroom cultivation technology”, “Bioinformatics”, “Recombinant DNA Technology I”, “Recombinant DNA Technology II”, Practical VI –Bioprocess technology, Animal Biotechnology and Recombinant DNA Technology”, “Industrial Biotechnology” in the scheme of 2022-2025 batch.
4. The Second-year and Third year syllabus for the batch 2021-2024, 2020-2023 has been framed and passed in the meeting.
5. The group B and group C under elective course IV syllabus for the batch 2020-2023 has been reframed.
6. Modifications of the courses have been carried out according to the proposal of the star college scheme.
7. References have been updated and modified according to APA format.
8. The overall percentage of updates / modifications in UG Biotechnology syllabus is 20 to 25%

I BSc BIOTECHNOLOGY

ODD SEMESTER

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	1 UG BT/ BC/ MB (2022-25 BATCH)	Core Course I: Cell Biology	GA	1. In UNIT IV the topic “Plastids” has been added. 2. In unit III, the topic ‘structure and functions’ has been incorporated before the endoplasmic reticulum. 3. Edition has been updated in Textbooks .
2	1 UG BT / MB (2022-25 BATCH)	Core Course II: Biochemistry	KR	In Unit IV, “Mechanism of enzyme action- Lock and key, Induced fit hypothesis” topic has been added.
3	1 UG BT (2022-25 BATCH)	Core Practical I: Cell Biology and Biochemistry	KR	1. “Laboratory rules and regulations” topic has been added. 2. In Cell Biology, topics 4 and 5 have been rearranged. 3. In Biochemistry, S. No. 11. Anthrone has been replaced by DNSA.
4	1 UG BT/ BC/ MB (2022-25 BATCH)	Allied Course I: Chemistry	ND	All five units in the syllabus have been revamped and the topics ‘Electrochemistry Kohlrausch’s law, Measurement of Conductance, pH determination, hydrolysis of salts’ have been added in unit V.
5	1 UG BT / BC/ MB (2022-25 BATCH)	Allied Practical I: Chemistry	VMM	The topic ‘Good laboratory practices’ has been incorporated. Also the experiment, ‘Estimation of hydrochloric acid and ferrous sulphate’ has been removed.

EVEN SEMESTER

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I UG BT (2022-2025 BATCH)	Core Course IV – Genetics	VMM	In Unit II, topics “Kinds of crossing over, construction of linkage map” have been added. In Unit III - "Fine Structure of Gene: Gene Concept" topic has been added. In Unit V, an overview of Pedigree analysis has been added.
2	I UG BT/ BC/ MB	Core Course V-	VMM	In Unit I, "Refrigeration, Paraffin Method and

	(2022- 2025 BATCH)	Bioanalytical Techniques		Lyophilisation" topics have been added with Cryopreservation.
3	I UG BT (2022-2025 BATCH)	Core Practical II- Bioanalytical Techniques & Genetics	KR	In Genetics, "Identification of Barr bodies from buccal smear" topic has been added.
4	I UG BT/ BC/ MB (2022- 2025 BATCH)	Allied Practical II- Chemistry	ICV	The experiment "Monohydric and Dihydric phenol" has been added. Also the title 'Systematic qualitative analysis' has been added.
5	I UG BT/ BC/ MB (2022- 2025 BATCH)	Module I: Course I: Principles Of Clinical Laboratory Technology and Management	VMM	No changes have been made in the syllabus .

II BSc BIOTECHNOLOGY

ODD SEMESTER

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II UG BT (2021 - 24 BATCH)	Core Course V: Microbiology	PHC	In Unit IV, An overview of the Mcfarland standard has been added. In Unit V - An outline on Bergey's system of Bacterial Classification has been added.
2	II UG BT (2021 - 24 BATCH)	Core Practical III: Microbiology, Food and Agrobiotechnology	GS	No changes have been made in the syllabus .
3	II UG BT (2021 - 24 BATCH)	Elective I: Food and Agrobiotechnology	GS	In Unit III, topics such as "FDA, FIFO, MOFPI, IFS. Overview of toxicity and hazard" have been added.
4	II UG BT/ BC/ MB (2021 - 24 BATCH)	SBC I: Bio Entrepreneurial development course 1- Mushroom cultivation	VR	1. In Unit-II, the topic "World and Indian mushroom production scenario" has been added. 2. In Unit-IV the topic "Entrepreneurship development through spawn production" has been added. 3. In Unit-V the topic "Entrepreneurship opportunities in mushroom culture" has been added. 4. New Text books, Reference books and E books have been added.

				5. Course competency level has been checked and modified as suggested by BOS board members.
5	II UG BT/ BC/ MB (2021 - 24 BATCH)	Module I: Course II: Techniques in Clinical Laboratory Technology	VMM	The word ‘phlebotomy’ and the topic ‘blood collection methods’ have been incorporated in unit I.

EVEN SEMESTER

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II UG BT (2021 - 24 BATCH)	Core Course VI – Molecular Biology	GS	In Unit IV the topic "Hierarchical levels of gene regulation" has been added.
2	II UG BT (2021 - 24 BATCH)	Core Practical IV – Molecular Biology and Environmental Biotechnology	PHC	In Molecular Biology, quantitative determination of proteins has been added. SDS PAGE has been removed.
3	II UG BT (2021 - 24 BATCH)	Elective II- Environmental Biotechnology	ICV	In Unit -1 Types and Functions of Ecological pyramids have been added.
4	II UG BT/ BC/ MB (2021 - 24 BATCH)	Skill based course (SBC) II: Bio-entrepreneurial development course 2- Computational Biology	SP	In Unit II the topic "Protein Information Resource (PIR): About PIR, Resources of PIR, Databases of PIR, Data Retrieval in PIR" has been added.
5	II UG BT/ BC/ MB/ ECS (2021 - 24 BATCH)	IDC- Bioinstrumentation	MS	In Unit II, the topic ‘pulse meter’ has been incorporated.
6	II UG BT/ BC/ MB (2021- 2024 BATCH)	Module II – Course I- Fundamentals of Human Physiology	ND	1. In unit I, the word ‘An overview’ has been added. 2. In Unit III - Excretory System - Topic "Micturition" has been added.

II BSc BIOTECHNOLOGY

ODD SEMESTER

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	III UG BT/ BC (2020 - 23 BATCH)	Core Course VII: Human Physiology	VMM	<ol style="list-style-type: none"> 1. In Unit I “Structure of Smooth muscle” has been included. Also the topic ‘sliding filament theory’ has been included. 2. In Unit II, the topic ‘lipids, vitamins and minerals’ have been incorporated. 3. In Unit III, the topics ‘systemic and pulmonary circulation’ have been added. 4. In Unit IV the topics ‘structure of brain, spinal cord, CSF- composition and function’ have been incorporated. Also the words ‘photoreceptor and vision’ have been added.
2	III UG BT (2020 - 23 BATCH)	Core Course VIII: r DNA Technology-I	KR	<ol style="list-style-type: none"> 1. In Unit III “ Phasmids” topic has been added. 2. References have been updated.
3	III UG BT (2020 - 23 BATCH)	Core Course IX: Plant Biotechnology	ICV	<ol style="list-style-type: none"> 1. In Unit I, targeting of proteins to mitochondria has been included. 2. In Unit I, protoplast hybridization has been added. 3. In Unit III, Micropropagation has been added. 4. In Unit IV, Microprojectile bombardment has been included. 4. In Unit V “ Methods and Importance of plant breeding” has been added.
4	III UG BT/ BC/ MB (2020 - 23 BATCH)	Core Course X: Immunology	MM	<ol style="list-style-type: none"> 1. In Unit I “Development of T cells and B cells” has been added. Also, T_D and T_S have been included. 2. In unit II some of the topics such as ‘types of immunity’ have been rearranged and the word ‘tertiary’ has been removed. Also the topic ‘Biological consequences of complement activation’ has been incorporated. 3. In Unit III, the title ‘Diagnostic Immunology’ has been included. 4. In Unit IV, the title ‘Adverse Immunology and hypersensitivity’ has been included.

				5. In Unit V “Concepts and challenges” has been added.
5	III UG BT (2020 - 23 BATCH)	Elective III: Bionanotechnology	GS	1. In Unit IV “ Fullerenes for drug delivery and the topic Nanobiote” have been added.
6	III UG BT/ BC/ MB (2020 - 23 BATCH)	Skill based course 3: Bio-Entrepreneurial development course 3- Organic farming	ICV	New syllabus have been framed and passed.
7	III UG BT (2020 - 23 BATCH)	Core Practical V – Microbial Biotechnology, Plant Biotechnology and Immunology	VMM	1. The syllabus has been modified based on the new pattern of Semester wise practicals. 2. Reference books have been modified based on the topics available for this semester.
8	III UG (EXCEPT BIOSCIENCES) (2020 - 23 BATCH)	EDC- Fundamentals of Organic Farming	ICV	1. In Unit V “ Construction” has been added.
9	III UG BT/ BC/ MB (2020 - 23 BATCH)	Module II – Course II – Clinical Biochemistry	GA	1.In Unit I, the topics ‘Apo A, A1 and B have been included. Also the topics ‘GCT and BUN test’ have been incorporated. 2. In Unit III, the topics ‘chloride and bicarbonates’ have been included. 3.In Unit IV “Biologically important hormones and functions” has been added. 4. In UNIT V “Growth factors – EGF and TGF” has been added.

EVEN SEMESTER

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	III UG BT(2020-2023 BATCH)	Core Course XI – Animal Biotechnology	GS	In Unit II the topic "Suspension cultures" has been added.
2	III UG BT(2020-2023 BATCH)	Core Course XII – Microbial and Bioprocess technology	VMM	New syllabus has been framed and passed.
3	III UG BT(2020-2023 BATCH)	Core Course XIII – rDNA technology II	KR	In Unit V, "Stem cell therapy" has been added.
4	III UG BT(2020-2023 BATCH)	Core Practical VI – Bioprocess technology,	VMM	New syllabus has been framed and passed.

		Animal Biotechnology and rDNA technology		
5	III UG BT(2020-2023 BATCH)	Elective – IV- Pharmaceutical Biotechnology	GS	Syllabus has been reframed and passed.
6	III UG BT/ BC/ MB (2020- 2023 BATCH)	Skill based course 4: Bio-entrepreneurial development course 4 - Medical coding and Medical transcription	VR	New syllabus has been framed, with course objectives, course outcome, content, text, reference and e books and program outcomes.
7	III UG BT/ BC/ MB (2020- 2023 BATCH)	Module II – Course III – Clinical Microbiology	SA	No changes have been made in the syllabus.



Chairman / Chair Person (BoS)

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Biotechnology Undergraduate Programme (UG) was conducted on 4th Jan 2023 at 9:30 am.

The following members were present:

Chairman : Dr. T. Vinoth Kumar,
Director, School of Biological Sciences,
CMS College of Science and Commerce,
Coimbatore-641049.
Mob No:8838490439.
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Members :

1. **Dr. K. Abdhul,**
Associate Professor and Head,
Department of Biotechnology,
Nandha Arts and Science College,
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2.Mr. Purushothaman,
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3. Dr. Sangilimuthu, Professor and Head,
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4. Ms. Stephy Thomas tharakan, Quality Assurance Lead,
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5. Mr. J. Jasim Research scholar (Ph. D.),
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6. Mr. VMM. Deepak,
Assistant Professor,
Department of Biotechnology,
School of Biological Sciences,
CMS College of Science and Commerce,
Coimbatore—641049.

7. Dr. G. Suja,
Assistant Professor,
Department of Biotechnology,
School of Biological Sciences,
C.M. S College of Science and Commerce,
Coimbatore—641049.

8. Ms. Arunima. K. K.
III B.Sc., Biotechnology,
Department of Biotechnology,
School of Biological Sciences,
CMS College of Science and Commerce,
Coimbatore- 641049.

The following resolutions were made in the Board of Studies meeting,

1. The draft scheme of the academic year, 2023-24 for undergraduate Biotechnology program was discussed and finalized.



Chairman / Chair Person (BoS)

CMS COLLEGE OF SCIENCE AND COMMERCE

DEPARTMENT OF BIOTECHNOLOGY

UG BIOTECHNOLOGY BOARD

21ST BOARD OF STUDIES

GENERAL MINUTES

The following resolutions were made in the Board of Studies meeting,

1. The scheme and syllabi of I and II semester of UG Biotechnology for the students admitted during the academic year 2023- 2024 and onwards were approved.
2. The distribution of credits as well as marks for various courses were discussed for the students admitted during the academic year 2023-2024 and finalized.
3. The scheme for the batch 2022-25 has been ratified and finalized.
4. The syllabi of III, IV, V and VI semesters of the UG Biotechnology for the students admitted during the academic year 2022- 2023 and onwards were approved.
5. The syllabi of V and VI semester of the UG Biotechnology for the students admitted during the academic year 2021 - 2023 and onwards were approved.
6. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each course were discussed and approved.
7. Extra disciplinary course 'Plant Tissue Culture' has been introduced for all Undergraduate programmes except B.Sc., Biotechnology programme from 2022 batch onwards.
8. The percentage of change in nomenclature of the various courses is found to be 23% for 2023-24 batch.



Chairman, BoS

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

MINUTES OF BOS 21 MEETING - 15-06-2023

DEPT: BIOTECHNOLOGY

ODD SEMESTER- SEMESTER III

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II UG BT (2022 - 25 BATCH)	Core Course VII – Microbiology	PHC	In Unit -III, the topic ‘stereo microscope’ has been added and in Unit - V, the topic ‘cell wall’ has been deleted.
2	II UG BT (2022 - 25 BATCH)	Core Course VIII: Practical III – Microbiology, Food and Agrobiotechnology	PHC	In Practical - III, the example for any one sterility testing method has been added.
3	II UG BT (2022 - 25 BATCH)	Elective I: Food and Agrobiotechnology	VMM	In Unit II - Pasteurization have been added
4	II UG BT/ BC/ MB (2022 - 25 BATCH)	Skill based course (SBC) I: Bio- entrepreneurial development course 1- Mushroom cultivation Technology	GA	In Unit V the topics “freezing, dry freezing, drying, canning, Value added products of mushrooms” have been added
5	II UG BT/ BC/ MB (2022 - 25 BATCH)	Modular- Module I – Course II – Techniques in Clinical Laboratory Technology	VMM	In Unit III - and VTM (Viral Transport Medium) have been added.

EVEN SEMESTER- SEMESTER IV

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II UG BT (2022 - 25 BATCH)	Core Course IX – Molecular Biology	GS	In Unit V the topics UTR mediated gene regulation and Riboswitch have been added.
2	II UG BT (2022 - 25 BATCH)	Core Course X: Practical IV – Molecular Biology and Environmental Biotechnology	PHC	In Practical - IV, any one example of composting has been added.

3	II UG BT (2022 - 25 BATCH)	Elective II- Environmental Biotechnology	ICV	In Unit-III Conservation of bioresources have been added
4	II UG BT/ BC/ MB (2022 - 25 BATCH)	Skill based course (SBC) II: Bio- entrepreneurial development course 2- Bioinformatics	SP	In Unit -V The topics “Threading and Molmol” have been added.
5	II UG BT/ BC/ MB/ ECS (2022 - 25 BATCH)	Interdisciplinary Course- Bioinstrumentation	ND	In Unit II the topic” NanoBiosensor” has been added.
6	II UG BT/ BC/ MB (2022 - 25 BATCH)	Modular- Module II – Course I-Fundamentals of Human Physiology	ND	In Unit V the topic “Changes during pregnancy and lactation” have been included.

ODD SEMESTER- SEMESTER V

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	III UG BT/ BC (2022 - 25 BATCH)	Core Course XI– Human Physiology	ND	In Unit I “Body Fluids- Intracellular, extracellular and interstitial fluid” have been added. In Unit V, the topic ‘Thyroid’ has been added.
2	III UG BT (2022 - 25 BATCH)	Core Course XII – Recombinant DNA Technology I	KR	In Unit I, “Mechanism of ligation” topic has been added.
3	III UG BT (2022 - 25 BATCH)	Core Course XIII – Plant Biotechnology	ICV	In Unit-II Types of Plant tissue culture media have been added.
4	III UG BT/ BC/ MB (2022 - 25 BATCH)	Core Course XIV- Immunology	VA	In Unit III, topics such as Bombay blood grouping, Chimeric antibody, C Reactive Protein and ASO have been added.

5	III UG BT (2022 - 25 BATCH)	Elective III: Bionanotechnology	GS	In Unit III the topics Biochips and Biorobotics have been added.
6	III UG BT/ BC/ MB (2022 - 25 BATCH)	Skill based course (SBC) III: Bio-Entrepreneurial development course 3- Organic farming	ICV	In Unit-III Influence of organic farming on soil has been added.
7	III UG BT (2022 - 25 BATCH)	Core Course XV: Practical V – Microbial Biotechnology, Plant Biotechnology and Immunology	VMM	In Immunology WIDAL has been added
8	III UG (EXCEPT BT) (2022 - 25 BATCH)	EDC- Plant Tissue Culture	ICV	The syllabus has been newly framed.
9	III UG BT/ BC/ MB (2022 - 25 BATCH)	Modular- Module II – Course II – Clinical Biochemistry	SNG	In Unit II, 'Cardiac function tests' has been added.

EVEN SEMESTER- SEMESTER VI

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	III UG BT (2022 - 25 BATCH)	Core Course XVI – Animal Biotechnology	GS	In Unit IV the topics Artificial insemination; Superovulation, <i>in vitro</i> fertilization have been added.
2	III UG BT (2022 - 25 BATCH)	Core Course XVII – Industrial Biotechnology	VMM	In Unit II - Tray and drum fermentation has been added under solid state fermentation. Submerged fermentation has been reorganized.

3	III UG BT (2022 - 25 BATCH)	Core Course XVIII – Recombinant DNA Technology II	KR	In Unit III, the topics such as “PFGE” and “EMSA” have been added. “OFAGE” topic has been removed.
4	III UG BT (2022 - 25 BATCH)	Core Course XIX: Practical VI – Bioprocess technology, Animal Biotechnology and Recombinant DNA Technology	GS	The following practical have been added 1. Introduction for Animal Cell Culture Laboratory and Sterilization Techniques 2. Establishment of primary culture from chick embryo/ animal tissue 3. Preparation of Established Cell Lines 4. Cell viability by Trypan Blue Dye exclusion technique
5	III UG BT (2022 - 25 BATCH)	Elective – IV- Pharmaceutical Biotechnology	GS	In Unit I the topics Bioavailability and Bioequivalence have been added.
6	III UG BT/ BC/ MB (2022 - 25 BATCH)	Skill based course (SBC) IV: Bio-entrepreneurial development course 4 - Medical coding and Medical transcription	VR	In Unit-IV the topics “Pharmacological Compendium, Surgical Compendium - surgical instruments” have been added.
7	III UG BT/ BC/ MB (2022 - 25 BATCH)	Modular- Module II – Course III – Clinical Microbiology	SA	No changes.



Chairman, BoS

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE**SCHOOL OF BIOLOGICAL SCIENCES****MINUTES OF BOS 21 MEETING - 15-06-2023****DEPT: BIOTECHNOLOGY****ODD SEMESTER-SEMESTER V**

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	III UG BT/ BC (2021 - 24 BATCH)	Core Course VII: Human Physiology	ND	In Unit I “Body Fluids- Intracellular, extracellular and interstitial fluid” have been added. In Unit V, the topics “Thyroid gland” has been added.
2	III UG BT (2021 - 24 BATCH)	Core Course VIII: r DNA Technology-I	KR	In Unit I, “Mechanism of ligation” topic has been added.
3	III UG BT (2021 - 24 BATCH)	Core Course IX: Plant Biotechnology	ICV	In Unit-II Types of Plant tissue culture media has been added.
4	III UG BT/ BC/ MB (2021 - 24 BATCH)	Core Course X: Immunology	VA	In Unit III, topics such as Bombay blood grouping, Chimeric antibody, C Reactive Protein and ASO have been added.
5	III UG BT (2021 - 24 BATCH)	Elective III: Bionanotechnology	GS	In Unit III the topics Biochips and Biorobotics. have been added.
6	III UG BT/ BC/ MB (2021 - 24 BATCH)	Skill based course (SBC) III: Bio- Entrepreneurial development course 3- Organic farming	ICV	In Unit-III Influence of organic farming on soil has been added.
7	III UG BT (2021 - 24 BATCH)	Core Practical V – Microbial Biotechnology, Plant Biotechnology and Immunology	VMM	In Immunology WIDAL has been added.
8	III UG (EXCEPT BT) (2021 - 24 BATCH)	EDC- Plant Tissue Culture	ICV	The syllabus has been newly framed.
9	III UG BT/ BC/ MB (2021 - 24 BATCH)	Module II – Course II – Clinical Biochemistry	SNG	In Unit II, " Cardiac function tests” has been added.

EVEN SEMESTER-SEMESTER VI

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	III UG BT (2021 - 24 BATCH)	Core Course XI – Animal Biotechnology	GS	In Unit IV the topics Artificial insemination; Superovulation, <i>in vitro</i> fertilization have been added.
2	III UG BT (2021 - 24 BATCH)	Core Course XII – Microbial and Bioprocess technology	PHC	In Unit -I, the topic ‘Bacteria and yeast’ has been added.
3	III UG BT (2021 - 24 BATCH)	Core Course XIII – rDNA technology II	KR	In Unit III, the topics such as “PFGE” and “EMSA” have been added. “OFAGE” topic has been removed.
4	III UG BT (2021 - 24 BATCH)	Core Practical VI – Bioprocess technology, Animal Biotechnology and rDNA technology	GS	The following practical have been added 1. Introduction for Animal Cell Culture Laboratory and Sterilization Techniques 2. Establishment of primary culture from chick embryo/ animal tissue 3. Preparation of Established Cell Lines 4. Cell viability by Trypan Blue Dye exclusion technique
5	III UG BT (2021 - 24 BATCH)	Elective – IV- Pharmaceutical Biotechnology	GS	In Unit I the topics Bioavailability and Bioequivalence have been added.
6	III UG BT/ BC/ MB (2021 - 24 BATCH)	Skill based course (SBC) IV: Bio-entrepreneurial development course 4 - Medical coding and Medical transcription	VR	In Unit-IV the topics “Pharmacological Compendium, Surgical Compendium - surgical instruments” have been added.
7	III UG BT/ BC/ MB (2021 - 24 BATCH)	Module II – Course III – Clinical Microbiology	SA	No changes.



Chairman, BoS

CMS COLLEGE OF SCIENCE AND COMMERCE
SCHOOL OF BIOLOGICAL SCIENCES
DEPARTMENT OF BIOTECHNOLOGY
MINUTES OF THE 19TH BOARD OF STUDIES HELD ON 20.07.2022
PG BIOTECHNOLOGY BOARD

GENERAL CHANGES IN THE SCHEME AND SYLLABUS:

1. The nomenclature of certain courses has been renamed as “Biological chemistry”, “Practical I: Cellular Biology, Genetics, Biological chemistry and Microbiology”, “Computational Biology”, “Research Methodology, Biostatistics and Bioanalytical techniques”, “Practical II: Microbial Biotechnology, Bioprocess technology, Gene Technology and Computational Biology” in scheme of 2022-24 batch.
2. Case study has been incorporated in unit VI of all the courses.
3. At least one online course (NPTEL, MOOC) should be completed by the student for which two extra credits will be awarded from the 2022 batch.
4. The Second-year syllabus for the batch 2021-2023 has been framed and passed in the meeting.
5. References have been updated and modified according to APA format.
6. The overall percentage of updates / modifications in PG Biotechnology syllabus is 20 to 25%.

I MSc BIOTECHNOLOGY

ODD SEMESTER

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I PG BT (2022 - 24 BATCH)	Course I: Cellular and Developmental Biology	ICV	1.In Unit V- “Role of epigenetics in development” has been modified as epigenetics.
2	I PG BT (2022 - 24 BATCH)	Course II: Biological chemistry	TV	In Unit IV, Salvage pathway has been added in the Nucleic acid Metabolism. In Unit V, ‘Enzyme Inhibitors as drugs - Statins’ has been included in the Enzyme Inhibitors topic.

3	I PG BT (2022 - 24 BATCH)	Course III: Microbiology	PHC	1.In Unit I- Microbial limit test has been added.
4	I PG BT/BC/MB/AMB (2022 - 24 BATCH)	Course IV: Molecular Genetics	SNG	1. In Unit I, the topics “Conservative and dispersive, Fidelity of replication” have been added. 2. In Unit V, Mechanism of repair has been rephrased as DNA Repair mechanism.
5	I PG BT (2022 - 24 BATCH)	Practical I: Cellular Biology, Genetics, Biological chemistry and Microbiology	TV	Cell Biology: Identification of Meiotic stages- Flower buds has been added. Biochemistry: Sl. No: 6, DNSA method has been replaced with Anthrone. Microbiology: Sl. No. 14. Negative staining has been included.
6	I PG BT (2022 - 24 BATCH)	Elective I: Bioethics, Biosafety, TQM and IPR	SP	In Unit V the topic- “Geographical indication: Meaning, Difference between GI and trademarks. Copyright- Registration Procedure, Ownership and license of copyright” have been added.
7	I PG BT (2022 - 24 BATCH)	Module I: Course I: Concepts in Clinical Laboratory Technology and Management	SA	In Unit I- Laboratory inventory management- objective and guidelines have been added.
8	I PG BT (2022 - 24 BATCH)	Module I: Course II: Methods in Clinical Laboratory Technology	VMM	No changes in the syllabus have been made.

EVEN SEMESTER

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I PG BT(2022- 2024 BATCH)	Course VI: Microbial and Bioprocess technology	TV	1. In Unit I, Bioburden and mass flow topics have been added. 2. In Unit IV, viral infiltration has been added. 3. In Unit V, product formulation has been added.

2	I PG BT(2022-2024 BATCH)	Course VII: Animal Biotechnology	GS	In Unit I, the topic "Immobilized cultures" has been added.
3	I PG BT(2022-2024 BATCH)	Course VIII: Gene Technology	KR	In Unit III, "Sanger, Maxam- Gilbert, NGS, RNA Sequencing" topics have been added.
4	I PG BT/ BC/ MB/ AMB (2022- 2024 BATCH)	Course IX: Research Methodology, Biostatistics and Bioanalytical Techniques	ND	In Unit III - "Statistical tools for Data Analysis" has been added.
5	I PG BT(2022-2024 BATCH)	Practical II: Microbial Biotechnology, Bioprocess technology, Gene Technology and Computational Biology	PHC	1. The practical II title “Microbial Biotechnology, Bioprocess technology, Gene Technology and Bioinformatics” has been renamed as “Microbial Biotechnology, Bioprocess technology, Gene Technology and Computational Biology”. 2. Syllabus has been reframed and passed in the meeting.
6	I PG BT/ BC/ MB/ AMB (2022- 2024 BATCH)	Elective II- Computational Biology	SP	1. Elective II has been renamed from "Bioinformatics" to "Computational Biology". 2. In Unit IV, the topic "Scoring Matrices, Percent Accepted Mutation (PAM), Blocks of Amino Acid Substitution Matrix (BLOSUM)" has been added.
7	I PG BT/ BC/ MB/ AMB (2022- 2024 BATCH)	Module II- Course I - Physiology of Human system	JJ	1. In Unit 2 the topic “chronic obstructive pulmonary disease risk factors, pathogenesis and diagnosis have been added. 2. In Unit 3 proteinuria and micturition has been added.
8	I PG BT (2022 - 2024 BATCH)	Module II – Course II – Diagnostic Biochemistry	SNG	No changes in the syllabus have been made.

II MSc BIOTECHNOLOGY

ODD SEMESTER

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II PG BT (2021 - 23 BATCH)	Course IX: Plant Biotechnology	ICV	1.In Unit I Mitochondrial DNA has been replaced by 'mtDNA'. 2.In Unit I Chloroplast DNA has been replaced by 'cpDNA'. 3. In Unit III, hairy root culture has been added.
2	II PG BT (2021 - 23 BATCH)	Course X: Stem cell Biology and Tissue Engineering	GS	1.In Unit IV "Biomaterials modification" has been added. 2. In Unit V "Patent protection and regulation of tissue engineered products" has been added.
3	II PG BT/BC/MB/AMB (2021 - 23 BATCH)	Course XI: Immunology and Immunotechnology	MM	1.In Unit I " Development of T Cells and B Cells" have been added. 2.In Unit V "Transplantation-concepts and challenges" have been added.
4	II PG BT (2021 - 23 BATCH)	Course XII: Genomics and Proteomics	SP	1.In Unit I "Pedigree analysis" has been added. 2.In Unit IV "Introduction to Proteomics – The Proteome, Mining Proteomes, Bridging Genomics and Proteomics. Proteomics and new biology" have been added.
5	II PG BT (2021 - 23 BATCH)	Practical III- Plant Biotechnology, Animal Biotechnology and Immunology	KR	In Plant Biotechnology, "Anther culture" and "Hairy root culture" topics have been added.
6	II PG BT (2021 - 23 BATCH)	Elective III: Nanobiotechnology	GS	1. In Unit V "Fullerenes for Nanoscale Drug Delivery" has been added.
7	II PG BT/BC/MB/AMB (2021 - 23 BATCH)	Module II: Course III: Diagnostic Microbiology	SA	Reference books have been updated.
8	II PG BT (2021 - 23 BATCH)	Module III: Course I: Endocrinology and Tumour Markers	SNG	1.In Unit I, the topic "differentiation between hormones and enzymes and the regulation cum general mechanism of action of hormones" has been added.

				<p>2. In Unit 2, the topics “adrenal cortical hormones - synthesis and secretion and aldosterone and its function has been incorporated.</p> <p>3. In Unit 4, the topic “definition and mechanism of oncogenes and clinical applications of tumor markers” has been included.</p>
9	II PG BT (2021 - 23 BATCH)	EDC: Organic Farming	ICV	In Unit II “Construction of composting pit” has been added.

EVEN SEMESTER

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II PG BT (2021-2023 BATCH)	Course XIII- Environmental Biotechnology	ICV	No changes have been made in the syllabus.
2	II PG BT (2021-2023 BATCH)	Course XIV- Pharmaceutical Biotechnology	PHC	No changes have been made in the syllabus.
3	II PG BT (2021-2023 BATCH)	Practical IV- Environmental Biotechnology	ICV	In Practical -11, In-Vessel Composting has been added.
4	II PG BT/ BC/ MB/ AMB (2021-2023 BATCH)	Module III – Course II – Immunology, Serology and Parasitology	MM	In Unit II-"Mechanism of resistance" has been added.
5	II PG BT/ BC/ MB/ AMB (2021-2023 BATCH)	Module III– Course III – Molecular Diagnostics	GS	No changes have been made in the syllabus.



Chairman, BoS

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Biotechnology Postgraduate Programme (PG) was conducted on 4th Jan 2023 at 9:30 am

The following members were present:

Chairman : Dr. T. Vinoth Kumar,
Director, School of Biological Sciences,
CMS College of Science and Commerce,
Coimbatore-641049.
Mob No:8838490439.
Mail id: vinothbiochem@gmail.com

Members :

1. Dr. Ayyappa Das M.P,
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2.Mr. Purushothaman,
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4. Ms. Stephy Thomas tharakan,
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5. Mr. J. Jasim Research scholar (Ph. D.),
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6. Dr. S Priscilla Helen Christy,
Assistant Professor,
Department of Biotechnology,
School of Biological Sciences,
CMS College of Science and Commerce,
Coimbatore—641049.

7. Mrs. K Ramya,
Assistant Professor,
Department of Biotechnology,
School of Biological Sciences,
C.M. S College of Science and Commerce,
Coimbatore—641049.

8. Dr. Iwin C Varkey,
Assistant Professor,
Department of Biotechnology,
School of Biological Sciences,
CMS College of Science and Commerce,
Coimbatore—641049.

9. Ms. Arya. G.
II M.Sc., Biotechnology,
Department of Biotechnology,
School of Biological Sciences,
CMS College of Science and Commerce,
Coimbatore- 641049.

The following resolutions were made in the Board of Studies meeting,

1. The draft scheme of the academic year, 2023-24 for postgraduate Biotechnology program was discussed and finalized.



Chairman / Chair Person (BoS)

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

MINUTES OF BOS 21 MEETING - 15-06-2023

DEPT: BIOTECHNOLOGY

ODD SEMESTER - SEMESTER III

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II PG BT (2022 -24 BATCH)	Core Course XI: Plant Biotechnology	ICV	In Unit-I Types and Applications of heat shock protein have been added. Topics in Unit-III have been rearranged.
2	II PG BT (2022 -24 BATCH)	Core Course XII: Stem cell Biology and Tissue Engineering	GS	In Unit IV, the topic Tissue organization and dynamics have been added. In Unit V, the topic 3D Bioprinting has been added.
3	II PG BT/BC/MB/AMB (2022 -24 BATCH)	Core Course XIII: Immunology and Immunotechnology	VA	In Unit I the topic “Types of immunity: HI and CMI” has been deleted. In Unit I the topics “Components of the immune system: Innate and adaptive (acquired) immunity: have been rearranged In Unit II the topics “Antigenic determinants on antibodies (Isotypic, allotypic, idiotypic) and Humanized antibody have been added. In Unit III the topic “CLIA” has been incorporated.
4	II PG BT (2022 -24 BATCH)	Core Course XIV: Genomics and Proteomics	SP	In Unit II “Big Data- Overview and its Applications in genomics. Platforms for Big Data. Utilization in the Biological Industry” has been added.
5	II PG BT (2022 -24 BATCH)	Core Course XV: Practical III: Plant Biotechnology, Animal Biotechnology and Immunology	KR	“ACC Laboratory organization” has been added in Exp. No. 14.
6	II PG BT (2022 -24 BATCH)	Elective III: Nanobiotechnology	GS	In Unit IV the topic Nanoproteomics has been added.

7	II PG BT/BC/MB/AMB (2022 -24 BATCH)	Modular- Module II – Course III – Diagnostic Microbiology (T*)	SA	No changes.
8	II PG BT (2022 -24 BATCH)	Modular- Module III – Course I – Endocrinology and Tumour markers (T*)	JJ	In Unit I POMC peptides topic has been added.
9	ALL II PG (EXCEPT BT) (2022 -24 BATCH)	EDC: Organic Farming	ICV	In Unit-III Influence of organic farming on soil has been added.

EVEN SEMESTER- SEMESTER IV

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II PG BT (2022 - 24 BATCH)	Core Course XVI: Environmental Biotechnology	ICV	In Unit-I Conservation of bioresources has been added.
2	II PG BT (2022 - 24 BATCH)	Core Course XVII: Pharmaceutical Biotechnology	PHC	In Unit III, Drug delivery topic has been added.
3	II PG BT (2022 - 24 BATCH)	Core Course XVIII: Practical IV: Environmental Biotechnology	ICV	Construction of In-Vessel Composting has been added.
4	II PG BT/ BC/ MB/ AMB (2022 - 24 BATCH)	Modular- Module III – Course II – Immunology, Serology and Parasitology (SS*)	VA	In Unit-III the topics “Monoclonal and Polyclonal antibody” have been added. IN Unit -V the topic "String test for parasites” has been added.
5	II PG BT/ BC/ MB/ AMB (2022 - 24 BATCH)	Modular- Module III– Course III – Molecular Diagnostics (SS*)	GS	No changes.



Chairman, BoS

CMS COLLEGE OF SCIENCE AND COMMERCE
SCHOOL OF BIOLOGICAL SCIENCES
DEPARTMENT OF MICROBIOLOGY
MINUTES OF THE 19TH BOARD OF STUDIES HELD ON 22.07.2022
UG MICROBIOLOGY BOARD

GENERAL CHANGES IN THE SCHEME AND SYLLABUS:

1. The course “Commercial Practice” has been incorporated as an extra credit course from 2022 batch onwards in the scheme.
2. Case study has to be incorporated in the syllabus of Core courses titled “Medical Bacteriology” and “Medical Mycology and Parasitology ” for the 2022-25 batch.
3. The nomenclature of certain courses has been renamed as “Microbiology of Food and Dairy Products, Mushroom cultivation technology, Bioinformatics, Medical Bacteriology, Medical Mycology and Parasitology, Fermentation Microbiology, Practical VI – Fermentation microbiology and Genetic Engineering” in the scheme of 2022-25 batch.
4. The Second-year and Third year syllabus for the batch 2021-2024, 2020-23 has been framed and passed in the meeting.
5. Modifications of the courses have been carried out according to the proposal of the star college scheme.
6. References have been updated and modified according to APA format.
7. The overall percentage of updations / modifications in UG Microbiology syllabus is 10 to 15%.

8CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE
SCHOOL OF BIOLOGICAL SCIENCES
DEPARTMENT: MICROBIOLOGY
BOS 19 -MINUTES

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I UG MB (2022 - 25 BATCH)	Core Course I – Cell Biology	GA	1.In UNIT IV the topic “Plastids” has been added. 2. In unit III, the topic ‘structure and functions’ has been incorporated before endoplasmic reticulum. 3. Edition has been updated in Textbooks.
2	I UG MB/BT(2022 - 25 BATCH)	Core Course II – Biochemistry	KR	1. In Unit IV, “Mechanism of enzyme action- Lock and key, Induced fit hypothesis” topic has been added.
3	I UG MB(2022 - 25 BATCH)	Core III: Practical I – Cell Biology, BioChemistry and Basic Microbiological techniques	SP	1.In CP-I under Biochemistry in Disaccharides: Maltose has been added. 2.In CP-I under Microbiology, in Preparation of selective and differential medium: Malt extract agar and Starch casein nitrate agar have been added.
4	I UG MB (2022 - 25 BATCH)	Allied Course I – Chemistry	ND	1. All five units in the syllabus have been revamped and the topics ‘Electrochemistry Kohlrausch’s law, Measurement of Conductance, pH determination, hydrolysis of salts’ have been added in unit V.
5	I UG MB(2022 - 25 BATCH)	Allied II: Practical I – Chemistry	VMM	1.The topic ‘Good laboratory practices’ has been incorporated. Also the experiment, ‘Estimation of hydrochloric acid and ferrous sulphate’ have been removed.

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I UG MB (2022 - 25 BATCH)	Core Course III – Introductory Microbiology	SA	1. In Unit I- Paul Ehrlich, Lederberg and Zinder, Lwoff, Arber and Smith, Temin and Baltimore have been included. 2. In Unit V LPCB topic has been added. 3.The course objective has been modified.

2	I UG MB/BT/BC(2022 - 25 BATCH)	Core Course IV- Bioanalytical Techniques	VMM	1.In Unit I, "Refrigeration, Paraffin Method and Lyophilisation" topics have been added with Cryopreservation.
3	I UG MB(2022 - 25 BATCH)	Core Practical II- Microbiology &Bioanalytical techniques	SP	1. In CP II practical topic "Enumeration of microbes from air" has been added as experiment number 3. 2. In CP II practical topic "Acid fast capsule (Hiss staining)" has been added as experiment number 7. 3.In CP II practical topic "KOH mount." has been added as experiment number 8.
4	I UG MB/BT/BC (2022 - 25 BATCH)	Allied Practical II- Chemistry	ICV	1.The experiment "Monohydric and Dihydric phenol" has been added. Also the title 'Systematic qualitative analysis' has been added.
5	I UG MB/BT/BC(2022 - 25 BATCH)	Module I – Course I – Principles of Clinical Laboratory Technology and Management	VMM	No changes required

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

DEPARTMENT: MICROBIOLOGY

BOS 19 -MINUTES

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II UG MB (2021 - 24 BATCH)	Core Course V – Microbial Taxonomy and Diversity	VG	<p>1.In Unit-I, the topic “DNA-DNA” has been added.</p> <p>2.In Unit-II, the word “salient features” has been added.</p> <p>3.In Unit-V, the species name “<i>falciparum</i>” has been added.</p> <p>4.Reference book has been revised with the latest edition 2007. Microbiology. 9th ed. WMC Brown Publishers.</p>
2	II UG MB (2021 - 24 BATCH)	Core Practical III – Microbial Taxonomy, Food and Dairy Microbiology	VG	<p>1.In Experiment no: 5 topic has been modified as Microbial Analysis of the food spoilers · Vegetables and fruits- Isolation of bacteria and fungi.</p> <p>2.In Experiment no:9, “Species name <i>aureus</i>” has been added</p>
3	II UG MB (2021 - 24 BATCH)	Elective I- Microbiology of Food and Dairy Products	VG	<p>1.In Unit- III the topic “Spoilage of fish and meat Spoilage of spices and condiment-bacteria” has been added. The topic Spoilage of sugars has been removed. The topic “Wine spoiling phenomenon- Lactic acid bacteria, Acetic acid bacteria, Endospore forming bacteria” have been modified as Spoilage of wine-bacteria.</p> <p>2.In unit-IV, the topic “Mushroom” has been added.</p> <p>3. In Unit-V, Glucose Isomerase, Lipase and Lactase has been removed.</p>
4	II UG MB /BC/BT(2021 - 24 BATCH)	Skill based course 1: Bio-entrepreneurial development course 1- Mushroom cultivation	VR	<p>1.In Unit-II, the topic “World and Indian mushroom production scenario” has been added.</p> <p>2.In Unit-IV the topic “Entrepreneurship development through spawn production” has been added.</p>

				<p>3. In Unit-V the topic “Entrepreneurship opportunities in mushroom culture” has been added.</p> <p>4. New Text books, Reference books and E books have been added.</p> <p>5. Course competency level has been checked and modified as suggested by BOS board members.</p>
5	II UG MB/BC/BT (2021 - 24 BATCH)	Module I – Course II – Techniques in Clinical Laboratory Technology	VMM	1. The word ‘phlebotomy’ and the topic ‘blood collection methods’ have been incorporated in unit I.

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II UG MB (2021 - 24 BATCH)	Core Course VI – Microbial Physiology	VR	<p>1. In Unit I the topic, Chemo-lithotrophs (ammonia, nitrate sulphur, hydrogen, iron oxidizing bacteria) has been added.</p> <p>2. In Unit II the topic, Chemical factors: heavy metal (silver & copper), surfactants has been added.</p> <p>3. Text book updation has been done.</p> <p>4. Topics in Unit-III, Phosphate starvation – controlled stimulon, oxidation stress, Enzymes of microbial metabolism – structure and classification, mechanism of enzyme reaction and enzyme inhibition and the Lon system (Proteolytic control) have been deleted as suggested by BOS board members.</p> <p>5. Course competency level has been checked and modified as suggested by BOS board members.</p>
2	II UG MB (2021 - 24 BATCH)	Core Practical IV- Microbial Physiology, Environmental and Agricultural Microbiology	MM	1. In Unit III "Coagulase test" has been added.
3	II UG MB (2021 - 24 BATCH)	Elective II- Environmental and Agricultural Microbiology	VG	1. In Unit-I The topic "Extremophiles – Microbes thriving at high and low temperatures, pH, high hydrostatic and osmotic pressure, salinity and low nutrient levels" has been deleted. The topic

				<p>"Microbial interaction with plants-phylosphere and animal - rumen and termites" has been added.</p> <p>2. In unit- III the word Microbial Bioremediation: has been removed.</p>
4	II UG MB /BC/BT(2021 - 24 BATCH)	Skill based course 2: Bio-entrepreneurial development course 2- Computational Biology	SP	1. In unit II the topic "Protein Information Resource (PIR): About PIR, Resources of PIR, Databases of PIR, Data Retrieval in PIR" has been added.
5	II UG MB/BC/BT (2021 - 24 BATCH)	Module II – Course I-Fundamentals of Human Physiology	ND	<p>1. In unit I, the word ‘An overview’ has been added.</p> <p>2. In Unit III - Excretory System - Topic "Micturition" has been added.</p>
6	II UG MB/BC/BT (2021 - 24 BATCH)	Bioinstrumentation	MS	1. In Unit II, the topic ‘pulse meter’ has been incorporated.

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE
SCHOOL OF BIOLOGICAL SCIENCES
DEPARTMENT: MICROBIOLOGY
BOS 19 -MINUTES

Sl. No	Class	Subject	Staff	Details of changed suggested
1	III UG MB (2020-23)	Core Course VII – Medical Microbiology-I	SA	1.The PO and CO have been checked and modified.Course competency level has been checked and modified as suggested by BOS members.
2	III UG MB (2020-23)	Core Course VIII – Microbial Genetics	MM	1.In Unit IV “Plasmid and its types (F plasmid, R plasmid and Col Plasmid)” have been added.
3	III UG MB (2020-23)	Core Course IX – Virology	DL	1.In Unit IV Hepatitis A has been added.
4	III UG MB/BC/BT (2020-23)	Core Course X – Immunology	MM	1.In Unit I “Development of T cells and B cells” has been added. Also, T _D and T _S have been included. 2. In unit II some of the topics such as ‘types of immunity’ have been rearranged and the word ‘tertiary’ has been removed. Also the topic ‘Biological consequences of complement activation’ has been incorporated. 3. In Unit III, the title ‘Diagnostic Immunology’ has been included. 4. In Unit IV, the title ‘Adverse Immunology and hypersensitivity’ has been included. 5. In Unit V “Concepts and challenges” has been added.
5	III UG MB (2020-23)	Elective – III- Pharmaceutical Microbiology	VR	1.In Unit-II, the topics were reframed based on the suggestions given by BOS members. 2.In Unit-III, the names of the materials mentioned individually were removed and the term general was added instead of the term materials, as suggested by BOS members. 3.The reference book details have been updated. 4. Course competency level has been checked and modified as suggested by BOS members.
6	III UG MB/BC/BT (2020-23)	Skill based course 3 – Bio-Entrepreneurial development course 3- Organic farming	ICV	1.New syllabus have been framed

7	III UG MB (2020-23)	Core Practical V – Medical Microbiology and Immunology	SA	1.New syllabus has been framed and PO and CO have been modified.
8	III UG(except bioscience) (2020-23)	EDC (MUSHROOM CULTIVATION)	VR	1. The course objective was refined. 2. In Unit-II, the topic World and Indian mushroom production scenario has been added. 3. In Unit-IV the topic Entrepreneurship development through spawn production has been added.
9	III UG MB/BC/BT (2020-23)	Module II – Course II –Clinical Biochemistry	GA	1.In Unit I, the topics ‘Apo A, A1 and B have been included. Also the topics ‘GCT and BUN test’ have been incorporated. 2. In Unit III, the topics ‘chloride and bicarbonates’ have been included. 3.In Unit IV “Biologically important hormones and functions” has been added. 4. In UNIT V “Growth factors – EGF and TGF” has been added.

Sl. No	Class	Subject	Staff	Details of changed suggested
1	III UG MB (2020-23)	Core Course XI – Medical Microbiology II	SA	1. In Unit I- “Antifungal susceptibility testing- Antifungal agents, Antifungal resistance mechanism, Antifungal susceptibility testing methods (Disc diffusion, Broth microdilution, Broth macrodilution, E test)” has been added. Course competency level has been checked and modified as suggested by BOS members
2	III UG MB (2020-23)	Core Course XII – Industrial Microbiology	VG	1.In Unit V- The topic "Organic acid: Citric acid" has been added. 2.In Unit V- The word mycelial is replaced with fungal.
3	III UG MB (2020-23)	Core Course XIII – Genetic Engineering	VR	1. The course objective was refined. 2. This paper has been shifted from V semester to VI semester. 3. In Unit III, the topic “pUC18” has been added.
4	III UG MB (2020-23)	Core Practical VI – Industrial and Genetic Engineering	SA	1.New syllabus has been framed and passed.
5	III UG MB (2020-23)	Elective – IV- Developmental Biology	VR	1. In Unit I “Introduction, historical perspective and basic concepts, phases of development, cell-

				<p>cell interaction, pattern formation, differentiation and growth, differential gene expression, cytoplasmic determinants and asymmetric cell division” has been added.</p> <p>2. In Unit II, two new topics namely, “Types of blastula and fate maps” have been added.</p> <p>3. Textbooks, References and E-books have been added and updated.</p> <p>4. Course competency level has been checked and modified as suggested by BOS members.</p>
6	III UG MB/BC/BT (2020-23)	Skill based course 4: Bio- entrepreneurial development course 4 - Medical coding and Medical transcription	VR	1. New syllabus has been framed, with course objectives, course outcome, content, text, reference and e books and program outcomes.
7	III UG MB/BC/BT (2020-23)	Module II – Course III – Clinical Microbiology	SA	1.No changes have been made in the syllabus

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Microbiology Undergraduate Programme (UG) was conducted on 4th Jan 2023 at 9:30 am

The following members were present:

Chairman : Dr. T. Vinoth Kumar,
Director, School of Biological Sciences,
CMS College of Science and Commerce,
Coimbatore-641049.
Mob No:8838490439.
Mail id: vinothbiochem@gmail.com

Members :

1. Dr. N.Vidya
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7. Dr. Shethal Anilkumar
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8. Dr. S. Shanthipriya
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9. Dr. V. Geetha
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10. Dr. D. Latha
Associate Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

11. Mr. B. Venkatrajah
Assistant Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

12. Mrs. M. Malathi
Assistant Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

The following resolutions were made in the Board of Studies meeting,

1. The draft scheme of the academic year, 2023-24 for the undergraduate Microbiology program was discussed and finalized.

A handwritten signature in blue ink, consisting of a stylized 'B' followed by a series of loops and a long horizontal stroke extending to the right.

Chairman / Chair Person (BoS)

CMS COLLEGE OF SCIENCE AND COMMERCE

DEPARTMENT OF MICROBIOLOGY

UG MICROBIOLOGY BOARD

21ST BOARD OF STUDIES

GENERAL MINUTES

The following resolutions were made in the Board of Studies meeting,

1. The scheme and syllabi of I and II semesters of UG Microbiology for the students admitted during the academic year 2023- 2024 and onwards were approved.
2. The distribution of credits as well as marks for various courses were discussed for the students admitted during the academic year 2023-2024 and finalized.
3. The scheme for the batch 2022-25 has been ratified and finalized.
4. The syllabi of III, IV, V and VI semesters of the UG Microbiology for the students admitted during the academic year 2022- 2023 and onwards were approved.
5. The syllabi of V and VI semester of the UG Microbiology for the students admitted during the academic year 2021 - 2023 and onwards were approved.
6. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each courses were discussed and approved.
7. Extra Disciplinary courses for undergraduate courses 'Algal Technology' has been introduced for all undergraduate programs except B.Sc., Microbiology program from 2022 batch onwards.
8. The percentage of change in nomenclature of the various courses is found to be 23% for 2023-24 batch.



Chairman , BoS

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE
SCHOOL OF BIOLOGICAL SCIENCES
DEPARTMENT: MICROBIOLOGY
BOS 21 -MINUTES

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I UG MB (2023 - 26 BATCH)	Core Course I – Cellular Biology	VN	In unit IV, the word “Extracellular matrix” has been rearranged. Also the topic “types of junctions” has been added. In unit V, the topic ‘ salient features of transformed cells’ has been added.
2	I UG MB/BT(2023 - 26 BATCH)	Core Course II – Biological Chemistry	KR	In Unit V, the term “Structure of” has been added before Nucleotides. Nucleic acid metabolism has been modified as Nucleotide metabolism.
3	I UG MB(2023 - 26 BATCH)	Core III: Practical I – Cellular Biology, BioChemistry and Basic Microbiological techniques	SP	In Core III: Practical I- The topics “Cellulose and Cetrimide agar” have been added in Qualitative Analysis and Preparation of selective and differential medium.
4	I UG MB (2023 - 26 BATCH)	Allied Course I – Chemistry	ND	In Unit III the topic “Hand Sanitizers” has been added.
5	I UG MB(2023 - 26 BATCH)	Allied II: Practical I – Chemistry	ND	In Allied II: Practical I – Chemistry Good laboratory practices (GLP) has been added.

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I UG MB (2023 - 26 BATCH)	Core Course III – Introductory Microbiology	SA	No changes.
2	I UG MB/BT/BC (2023 - 26 BATCH)	Core Course IV- Bioanalytical Techniques	VMM	In Unit III “Microcentrifuge” has been included.
3	I UG MB(2023 - 26 BATCH)	Core VI: Practical II- Microbiology & Bioanalytical techniques	SP	In Core VI: Practical II- The topic “Maintenance and preservation of cultures” have been added.
4	I UG MB/BT/BC (2023 - 26 BATCH)	Allied Course II: Practical II– Chemistry	ICV	The experiment ‘Qualitative analysis of primary amines’ has been included.
5	I UG MB/BT/BC (2023 - 26 BATCH)	Modular-Module I – Course I – Principles of Clinical Laboratory Technology and Management	VMM	No changes



CHAIRMAN, BOS

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

DEPARTMENT: MICROBIOLOGY

BOS 21 -MINUTES

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II UG MB (2022 - 25 BATCH)	Core Course VII – Microbial Taxonomy and Diversity	VG	In Unit -II, The topic ‘Outline features’ has been added.
2	II UG MB (2022 - 25 BATCH)	Core Course VIII: Practical III – Microbial Taxonomy, Food and Dairy Microbiology	MM	In Unit -VII, The topic ‘Mucor’ has been added. In Unit -VIII, The topic ‘Yeast’ has been added.
3	II UG MB (2022 - 25 BATCH)	Elective I- Microbiology of Food and Dairy Products	VG	In Unit-I, O-R potential has been replaced. In Unit-II, Microbial stress responses in the food environment have been removed. In Unit-II, preventing microbial spoilage in foods-traditional approaches and alternative approaches have been removed. In Unit-V, the topic “Investigation of food poisoning outbreaks-food standards, quality control, HACCP and its plan” has been added. Public health impact of foodborne illness: The impetus for the international food safety effort has been removed.
4	II UG MB /BC/BT (2022 - 25 BATCH)	Skill-based course (SBC) I: Bio- entrepreneurial development course 1- Mushroom cultivation technology	GA	In Unit V the topics “freezing, dry freezing, drying, canning and Value- added products of mushrooms” have been added.

5	II UG MB/BC/BT (2022 - 25 BATCH)	Modular- Module I – Course II – Techniques in Clinical Laboratory Technology	VMM	In Unit III - ‘VTM (Viral Transport Medium)’ has been added.
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Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II UG MB (2022 - 25 BATCH)	Core Course IX – Microbial Physiology	VA	In Unit -V The topics “photosynthetic pigments and apparatus in prokaryotes” have been added.
2	II UG MB (2022 - 25 BATCH)	Core Course X: Practical IV- Microbial Physiology, Environmental and Agricultural Microbiology	MM	In Unit -V The topic ‘Air sampling procedure- Settle plate method’ has been added. In Unit -VII The topic ‘Drinking Water Analysis’ has been added.
3	II UG MB (2022 - 25 BATCH)	Elective II- Environmental and Agricultural Microbiology	MM	In Unit -IV The topic ‘Phylloplane and Phyllospheremicroflora’ has been added. In Unit -V The topic ‘Air sampling procedures’ has been added.
4	II UG MB /BC/BT (2022 - 25 BATCH)	Skill based course (SBC) II: Bio-entrepreneurial development course 2- Bioinformatics	SP	In Unit -V The topics “Threading and Molmol” have been added.
5	II UG MB/BC/BT (2022 - 25 BATCH)	Modular-Module II – Course I-Fundamentals of Human Physiology	ND	In Unit V the topic “Changes during pregnancy and lactation” have been added.

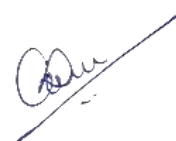
6	II UG MB/BC/B T (2022 - 25 BATCH)	Bioinstrumentation	ND	In Unit II the topic 'Nanobiosensor' has been added.

Sl. No	Class	Subject	Staff	Details of changed suggested
1	III UG MB (2022- 25)	Core Course XI – Medical Bacteriology	SA	No changes.
2	III UG MB (2022- 25)	Core Course XII – Microbial Genetics	MM	In Unit -III The topic 'Structure of ribosomes' has been added. In Unit -V The topic 'Mu transposons' has been added.
3	III UG MB (2022- 25)	Core Course XIII – Virology	DL	In Unit IV topic "Hepatitis C" has been added. In Unit II, III, IV and V instead of reproduction, "replication" has been added.
4	III UG MB/BC/ BT (2022- 25)	Core Course XIV – Immunology	VA	In Unit III, topics such as 'Bombay blood grouping' and 'Chimeric antibody' have been added. Also, the topic "C Reactive Protein and ASO" have been added.
5	III UG MB (2022- 25)	Elective – III- Pharmaceutical Microbiology	VR	In Unit-I the topic 'Drug combinations – synergistic antimicrobial drug combinations' has been added.

				In Unit-V the topic 'Quality assurance in formulation design and development' has been added.
6	III UG MB (2022- 25)	Core Course XV: Practical V – Medical Microbiology and Immunology	SA	1. Quantification of IgY antibodies by using ELISA has been made as a demonstration. 2. Animal cell culture method has been made as a demonstration.
7	III UG MB/BC/ BT (2022- 25)	Skill-based course (SBC) III – Bio- Entrepreneurial development course 3- Organic farming.	ICV	In Unit-III the topic 'Influence of organic farming on soil' has been added.
8	III UG STUDE NTS (2022- 25)	EDC (Algal technology)	VR	New syllabus has been framed.
9	III UG MB/BC/ BT (2022- 25)	Modular- Module II – Course II –Clinical Biochemistry	SNG	In Unit II, "Cardiac function tests" has been added.

Sl. No	Class	Subject	Staff	Details of changed suggested
1	III UG MB (2022-25)	Core Course XVI – Medical Mycology and Parasitology	SA	No changes
2	III UG MB (2022-25)	Core Course XVII – Fermentation Microbiology	VG	In Unit-V the topic lactic acid has been added.
3	III UG MB (2022-25)	Core Course XVIII – Genetic Engineering	VR	<p>In Unit-II the topics such as ‘Gel electrophoresis’ and ‘Preparation of nucleic acid probes’, ‘Principle of Nucleic acid hybridization’ and ‘Nucleic acid hybridization assays’ have been added.</p> <p>In Unit-III the topics such as ‘Ti-plasmids - transfer mechanism, genetically modified Ti plasmids and its importance’ and ‘Bacterial expression vectors’ have been added.</p> <p>A new textbook has been added for reference.</p>
4	III UG MB (2022-25)	Core Course XIX: Practical VI – Fermentation Microbiology and Genetic Engineering	SA	No changes

5	III UG MB (2022-25)	Elective – IV- Developmental Biology	VA	In Unit-IV the topics “Characteristics and importance of morphogenesis ” have been added.
6	III UG MB/BC/B T (2022- 25)	Skill based course (SBC) IV: Bio- entrepreneurial development course 4 - Medical coding and Medical transcription	VR	In Unit-IV the topics such as ‘Pharmacological Compendium’ and ‘Surgical Compendium - surgical instruments’ have been added.
7	III UG MB/BC/B T (2022- 25)	Modular Module II – Course III – Clinical Microbiology	SA	No changes.



CHAIRMAN, BOS

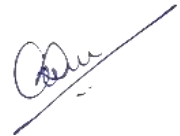
CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE
SCHOOL OF BIOLOGICAL SCIENCES
DEPARTMENT: MICROBIOLOGY
BOS 21 -MINUTES

Sl. No	Class	Subject	Staff	Details of changes suggested
1	III UG MB (2021-24)	Core Course VII – Medical Microbiology-I	SA	No changes.
2	III UG MB (2021-24)	Core Course VIII – Microbial Genetics	MM	In Unit -III The topic ‘Structure of ribosomes’ has been added. In Unit -V The topic ‘Mu transposons’ has been added.
3	III UG MB (2021-24)	Core Course IX – Virology	DL	In Unit IV, the topic ‘Hepatitis C virus’ has been added. In Units II, III, IV and V, instead of reproduction, ‘replication’ has been added.
4	III UG MB/BC/BT (2021-24)	Core Course X – Immunology	VA	In Unit III, topics such as ‘Bombay blood grouping’ and ‘Chimeric antibody’ have been added. Also, the topic “C Reactive Protein and ASO” have been added.
5	III UG MB (2021-24)	Elective – III- Pharmaceutical Microbiology	VR	In Unit-I the topic ‘Drug combinations – synergistic antimicrobial drug combinations’ has been added. In Unit-V the topic ‘Quality assurance in formulation design and development’ has been added.
6	III UG MB/BC/BT (2021-24)	Skill based course (SBC) III – Bio- Entrepreneurial	ICV	In Unit-III ‘Influence of organic farming on soil’ has been added.

		development course 3- Organic farming		
7	III UG MB (2021-24)	Core Practical V – Medical Microbiology and Immunology	SA	In Core Practical V Quantification of IgY antibodies by using ELISA has been made as a demonstration. 2. Animal cell culture method has been made as a demonstration.
8	III UG (2021- 24)	EDC (Algal technology)	VR	New syllabus has been framed
9	III UG MB/BC/BT (2021-24)	Module II – Course II –Clinical Biochemistry	SNG	In Unit II, " Cardiac function tests" has been added.

Sl. No	Class	Subject	Staff	Details of changed suggested
1	III UG MB (2021-24)	Core Course XI – Medical Microbiology II	SA	No changes.
2	III UG MB (2021-24)	Core Course XII – Industrial Microbiology	VG	In Unit-V the topic ‘lactic acid’ has been added.
3	III UG MB (2021-24)	Core Course XIII – Genetic Engineering	VA	In Unit-IV the topic “Applications of Recombinant DNA technology” has been added.
4	III UG MB (2021-24)	Core Practical VI – Industrial and Genetic Engineering	SA	No changes.
5	III UG MB (2021-24)	Elective – IV- Developmental Biology	VG	No changes.
6	III UG MB/BC/BT (2021-24)	Skill based course (SBC) IV: Bio- entrepreneurial development course 4 - Medical coding and	VR	In Unit-IV the topics such as ‘Pharmacological Compendium’ and ‘Surgical Compendium - surgical instruments’ have been added.

		Medical transcription		
7	III UG MB/BC/BT (2021-24)	Module II – Course III – Clinical Microbiology	SA	No changes.



Chairman, Bos

CMS COLLEGE OF SCIENCE AND COMMERCE
SCHOOL OF BIOLOGICAL SCIENCES
DEPARTMENT OF MICROBIOLOGY
MINUTES OF THE 19TH BOARD OF STUDIES HELD ON 22.07.2022
PG MICROBIOLOGY BOARD

GENERAL CHANGES IN THE SCHEME AND SYLLABUS:

1. The nomenclature of certain courses has been renamed as “ Microbial Physiology and Metabolism, Microbiology of Food and Dairy products, Research Methodology, Biostatistics and Bioanalytical Techniques, Computational Biology, Practical II: Environmental Microbiology, Fermentation Microbiology, Genetic Engineering and Computational Biology, Practical II: Microbial Techniques, Industrial Microbiology, Genetic Engineering and Computational Biology” in the scheme of 2022-24 batch.
2. Case study has been incorporated in unit VI of all the courses.
3. Atleast one online course (NPTEL, MOOC) should be completed by the student for which extra two credits will be awarded from the batch 2022.
4. The Second-year syllabus for the batch 2021-2023 has been framed and passed in the meeting.
5. References have been updated and modified according to APA format.
6. The overall percentage of updations / modifications in PG Microbiology syllabus is 10 to 15%.

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

DEPARTMENT: MICROBIOLOGY

BOS 19 -MINUTES

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I PG MB/AMB (2022-24)	Course I: Fundamentals of Microbiology	DL	1.In Unit II- Fungal - Lactophenol Cotton blue staining has been added.
2	I PG MB /AMB (2022-24)	Course II: Microbial Physiology and Metabolism	DL	1.Title of the course has been renamed from “Physiology and Metabolism of Microbes” to “Microbial Physiology and Metabolism”. 2.In Unit III, “Quorum sensing -Biofilm formation” has been added.
3	I PG MB/AMB (2022-24)	Course III: Microbiology of Food and Dairy products	VG	1.The course title “Food and Dairy Microbiology” has been renamed to “Microbiology of Food and Dairy products”. 2.In Unit-II “Cereal products” have been added.
4	I PG MB/AMB/BC/B T (2022-24)	Course IV: Molecular Genetics	SNG	1. In Unit I, the topics “Conservative and dispersive, Fidelity of replication” have been added. 2. In Unit V, Mechanism of repair has been rephrased as DNA Repair mechanism.
5	I PG MB/AMB (2022-24)	Course V: Practical I: Microbial physiology, Molecular genetics and Food microbiology	MM	1.In Food microbiology “Enumeration of microorganisms from spoiled meat and egg” have been added.
6	I PG MB/AMB/BC/B T(2022-24)	Elective I-Bioethics, Biosafety, TQM and IPR	SP	1.In Unit V the topic- “Geographical indication: Meaning, Difference between GI and trademarks. Copyright- Registration Procedure, Ownership and license of copyright” have been added.
7	I PG MB/AMB/BC/B T(2022-24)	Module I – Course I – Concepts in Clinical Laboratory	SA	1.In Unit I- “Laboratory inventory management-objective and guidelines” have been included.

		Technology and Management (T*)		
8	I PG MB/AMB/BC/B T (2022-24)	Module I – Course II – Methods in Clinical Laboratory Technology (T*)	VMM	No changes in the syllabus have been made

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I PG MB/AMB (2022-24)	Course V: Environmental Microbiology	MM	1.In Unit V "Bioconcentration " has been added.
2	I PG MB /AMB (2022-24)	Course VI: Fermentation Microbiology	VG	1.In Unit I- The topic "Primary and Secondary" has been added.
3	I PG MB/AMB/BC (2022-24)	Course VII: Genetic Engineering	SNG	1.In Unit I the topics "applications of gene cloning, Lac Z gene, Multiple cloning sites (MCS), Shuttle vectors and its advantages" has been included. 2.In Unit III, the topics 'end point and RT-PCR' have been included.
4	I PG MB/AMB/BC/B T (2022-24)	Course VIII: Research Methodology, Biostatistics and Bioanalytical Techniques	ND	1.Title of the course has been renamed from "Research Methodology and Bioanalytical Techniques " to "Research Methodology, Biostatistics and Bioanalytical Techniques". 2.In Unit III - "Statistical tools for Data Analysis" has been added.
5	I PG MB/AMB (2022-24)	Practical II: Environmental Microbiology, Fermentation Microbiology, Genetic Engineering and Computational Biology	DL	1.In Practical II, under fermentation microbiology "Isolation of pigment producing bacteria from soil" has been added as the 11th experiment. 2.The practical II title "Environmental Microbiology, Fermentation Microbiology, Genetic Engineering and Bioinformatics" has been renamed to "Environmental Microbiology, Fermentation Microbiology, Genetic Engineering and Computational Biology".
6	I PG MB/AMB/BC/B T (2022-24)	Elective II- Computational Biology	SP	1. Elective II has been renamed from "Bioinformatics" to "Computational Biology". 2. In unit IV the topic "Scoring Matrices,

				Percent Accepted Mutation (PAM), Blocks of Amino Acid Substitution Matrix (BLOSUM)" has been added.
7	I PG MB/AMB/BC/B T(2022-24)	Module II- Course I -Physiology of human system (SS*)	JJ	1.In Unit II “chronic obstructive pulmonary disease risk factors pathogenesis and diagnosis” has been added. 2.In Unit III “Proteinuria and micturition” has been added.
8	I PG MB/AMB/BC/B T (2022-24)	Module II – Course II – Diagnostic Biochemistry (T*)	SNG	No changes in the syllabus have been made.

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

DEPARTMENT: MICROBIOLOGY

BOS 19 -MINUTES.

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II PG MB/AMB (2021-23)	Course IX: Medical Microbiology	SA	1.The PO and the CO have been modified. and the reference books have been updated. 2.In Unit III, a topic Penicillinosis has been removed. 3. In Unit IV, <i>Taenia solium</i> topic has been added.
2	II PG MB (2021-23)	Course X: Virology	DL	1.In Unit IV “Papilloma virus” has been added
3	II PG MB/AMB (2021-23)	Course XI: Immunology and Immunotechnology	MM	1.In Unit I “ Development of T Cells and B Cells” have been added. 2.In Unit V “Transplantation-concepts and challenges” have been added.
4	II PG MB/AMB/BT/BC (2021-23)	Course XII: Genomics and Proteomics	SP	1.In Unit I “Pedigree analysis” has been added. 2.In Unit IV “Introduction to Proteomics – The Proteome, Mining proteomes, Bridging Genomics and Proteomics. Proteomics and new biology” have been added. 3.Course competency level has been checked and modified as suggested by BOS board members.
5	II PG MB (2021-23)	Practical III: Medical Microbiology and Immunology	DL	1.In serology, Ammonium SO ₄ Precipitation and dialysis has been added.
6	II PG MB (2021-23)	Elective III- Pharmaceutical Microbiology	VR	1.In Unit-III, the topics added related to liquid disinfectant evaluation tests are, Evaluation of liquid disinfection - general evaluation test, anti-bacterial disinfectant efficacy test - suspension

				<p>test, in use and simulated use test, problematic bacteria test. Other microbe disinfectant tests - fungicidal, virucidal and prion disinfectant tests. The topics Phenol coefficient/Rideal-Walker Coefficient were deleted as suggested by BOS members.</p> <p>2. As suggested by the BOS members, the topic injections, non-injectable sterile fluids, ophthalmic preparations, implants, surgical ligatures and sutures were deleted.</p> <p>3.The text book and reference book details have been updated.</p>
7	II PG MB/AMB/BT/BC (2021-23)	Module II – Course III – Diagnostic Microbiology (T*)	SA	1.Reference books have been updated.
8	II PG MB/AMB/BT/BC (2021-23)	Module III – Course I – Endocrinology and Tumor markers (T*)	SNG	<p>1.In unit I, the topic “Differentiation between hormones and enzymes and the regulation cum general mechanism of action of hormones” has been added.</p> <p>2.In unit II, the topics “adrenal cortical hormones - synthesis and secretion and aldosterone and its function has been incorporated.</p> <p>3.In unit IV, the topics “definition and mechanism of oncogenes and clinical applications of tumor markers has been included.</p>
9	II PG MB/AMB/BT/BC (2021-23)	EDC	ICV	1. In Unit II “Construction of composting pit” has been added.

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
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1	II PG MB/AMB (2021-23)	Course XIII: Soil and Agricultural Microbiology	DL	1.In Unit I, the topics pectin and chitin have been added.
2	II PG MB/AMB (2021-23)	Course XIV: Plant pathology and Disease management	MM	No changes have been made in the syllabus
3	II PG MB (2021-23)	Practical IV: Soil and Agricultural Microbiology	VG	1.In Experiment No: 5 "Bacteria and fungi" have been added.
4	II PG MB/AMB /BT/ BC (2021-23)	Module III – Course II – Immunology, Serology and Parasitology (SS*)	MM	1.In Unit II-"Mechanism of resistance" have been added
5	II PG MB/AMB /BT/ BC (2021-23)	Module III– Course III – Molecular Diagnostics (SS*)	GS	No changes have been made in the syllabus

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Microbiology Postgraduate Programme (PG) was conducted on 4th Jan 2023 at 9:30 am

The following members were present:

Chairman : Dr. T. Vinoth Kumar,
Director, School of Biological Sciences,
CMS College of Science and Commerce,
Coimbatore-641049.
Mob No:8838490439.
Mail id: vinothbiochem@gmail.com

Members :

1. Dr. A. Vijayachitra
Associate Professor,
Sri Ramakrishna College Of Arts and Science for Women
Coimbatore-641044
Phone No: 9843110867
Mail id: vijayamicro@srcw.ac.in

2. Ms. K. Madhanasundareshwari
Associate Professor and Head
Sri Ramakrishna College Of Arts and Science for Women
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Contact no: 9894033589
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3. Dr S.Murugan
Associate Professor, Department of Biotechnology
Karunya University
Coimbatore--641114
Contact no: 9842053851
Mail id: micromurugans@gmail.com

4. Ms Ashley Joshi
Food Consultant and trainer
Kakkanad, Ernakulam-682030
Contact no: 8699876362

Mail id: ashley.joshi00@gmail.com

5. Mr. K. Pragadeesh Singh
Research scholar
Department of Microbiology,
Hindustan College of Arts and Science
Coimbatore- 641028
Contact no: 9566699148
Mail id: pragatheshsinghk@gmail.com

6. Ms. Vetri prathiyuksha
III B.Sc Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

7. Dr. Shethal Anilkumar
Assistant Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

8. Dr. S. Shanthipriya
Associate Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

9. Dr. V. Geetha
Associate Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

10. Dr. D. Latha
Associate Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

11. Mr. B. Venkatrajah
Assistant Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

12. Mrs. M. Malathi
Assistant Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

The following resolutions were made in the Board of Studies meeting,

1. The draft scheme of the academic year, 2023-24 for postgraduate Microbiology program was discussed and finalized.



Chairman / Chair Person (BoS)

CMS COLLEGE OF SCIENCE AND COMMERCE

DEPARTMENT OF MICROBIOLOGY


PG MICROBIOLOGY AND APPLIED MICROBIOLOGY BOARD

21ST BOARD OF STUDIES

GENERAL MINUTES

The following resolutions were made in the Board of Studies meeting,

1. The scheme and syllabi of I and II semesters of PG Microbiology and PG Applied Microbiology for the students admitted during the academic year 2023- 2024 and onwards were approved.
2. The distribution of credits as well as marks for various courses were discussed for the students admitted during the academic year 2023-2024 and finalized.
3. The syllabi of III and IV semesters of the PG Microbiology for the students admitted during the academic year 2022- 2023 and onwards were approved.
4. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each course were discussed and approved.
5. Extra Disciplinary course 'Mushroom Cultivation' has been introduced for all postgraduate programs except M.Sc.,Microbiology and Applied Microbiology program from 2022 batch onwards.
6. The percentage of change in nomenclature of the various courses is found to be 20% for 2023-24 batch.


Chairman, BoS
DIRECTOR
School of Biological Sciences
CMS College of Science & Commerce
Coimbatore - 641 049, Tamil Nadu, India

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE**SCHOOL OF BIOLOGICAL SCIENCES****DEPARTMENT: MICROBIOLOGY****BOS 21 -MINUTES**

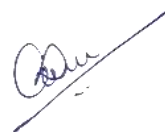
Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I PG MB/AMB (2023-25)	Course I: Fundamentals of Microbiology	VG	In unit III topic ‘Archaeobacterium and Actinomycetes- Structure and classification’ has been changed as ‘Introduction to Archaeobacteria- Cell wall and membrane, Salient features of Euryarchaeota and Crenarchaeota’.
2	I PG MB /AMB (2023-25)	Course II: Microbial Physiology and Metabolism	DL	In Unit II, a topic ‘microbial growth measurement’ has been added.
3	I PG MB/AMB (2023-25)	Course III: Microbiology of Food and Dairy products	VG	No Changes.
4	I PG MB/AMB/BC/B T (2023-25)	Course IV: Molecular Genetics	GA	In unit III a topic “chromatin remodeling” has been added. In Unit V the topic “Cystic fibrosis” has been included.
5	I PG MB/AMB (2023-25)	Course V: Practical I: Microbial physiology, Molecular genetics and Food microbiology	DL	In Molecular Genetics, an experiment ‘induced mutagenesis by chemical method(EMS)’ has been added.
6	I PG MB/AMB/BC/B T(2023-25)	Elective I-Bioethics, Biosafety, TQM and IPR	ND	In Unit II the topic “ Radiation safety” has been added. In Unit-V the topics ‘patents- types, patenting of genes, biological organisms, plants, animals, microbes and transgenic organisms, trade

				<p>secrets’ have been removed and added with the topics such as ‘Patents: Foundation of patent law, patent searching process, Basic Criteria of Patentability, Conditions for Obtaining a Patent Protection, Rights Associated with Patents, Enforcement of Patent Rights, Inventions Eligible for Patenting, Gene patenting, Patenting of transgenic organisms, Patenting pharmaceuticals, Non-Patentable Matters, Patent Infringements, Process of Patenting, Commercialization of a Patent, Patent Related Forms, Types of Patent Applications, e-filing of patent application, Rights of Patentee, Challenges in patents, National Bodies Dealing with Patent Affairs, Patent agent – qualification and registration procedure’ have been added.</p> <p>New text books have been added related to the new topics added in Unit-V.</p>
7	I PG MB/AMB/BC/B T(2023-25)	Module I – Course I – Concepts in Clinical Laboratory Technology and Management (T*)	SA	No Changes.
8	I PG MB/AMB/BC/B T (2023-25)	Module I – Course II – Methods in Clinical Laboratory Technology (T*)	VMM	No changes.

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I PG MB/AMB (2023-25)	Course V: Environmental	MM	In Unit II- the topic ‘air sampling devices’ has been added.

		Microbiology		
2	I PG MB /AMB (2023-25)	Course VI: Fermentation Microbiology	VG	In Unit V the topic ‘steroids’ has been included.
3	I PG MB/AMB/BC (2023-25)	Course VII: Recombinant DNA Technology	ND	In Unit V the topic “GM foods” has been added.
4	I PG MB/AMB/BC/B T (2023-25)	Course VIII: Research Methodology, Biostatistics and Bioanalytical Techniques	ND	In Unit I “Components of research report - Title, Authors, Addresses, Abstract, Keywords, Introduction, Materials and Methods, Results, Discussion, Summary, Acknowledgements and Bibliography” has been added.
5	I PG MB/AMB (2023-25)	Practical II: Environmental Microbiology, Fermentation Microbiology, Recombinant DNA Technology and Computational Biology	DL	No Changes.
6	I PG MB/AMB/BC/B T(2023-25)	Elective II- Computational Biology	SP	In Unit V the topics ”SwissADME, PreADMET” have been added. In References a new online content has been included.
7	I PG MB/AMB/BC/B T(2023-25)	Module II- Course I -Physiology of human system (SS*)	JJ	In Unit IV ‘Structure and physiology of Ear’ has been added

8	IPG MB/AMB/BC/B T(2023-25)	Module II – Course II – Diagnostic Biochemistry (T*)	JJ	In Unit I ‘Biochemical tests for Calcium and phosphorus’ have been added
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CHAIRMAN, BOS

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

DEPARTMENT: MICROBIOLOGY

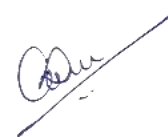
BOS 21 -MINUTES

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II PG MB/AMB (2022-24)	Core Course XI: Medical Microbiology and Diagnostics.	SA	No Changes.
2	II PG MB (2022-24)	Core Course XII: Virology	DL	In Unit III, topics ‘BF.7, Omicron’ has been added.
3	II PG MB/AMB/ BC/BT (2022-24)	Core Course XIII: Immunology and Immunotechnology	VA	<p>In Unit I the topic “Types of immunity: HI and CMI.” has been deleted.</p> <p>In Unit I the topics “Components of the immune system: Innate and adaptive (acquired) immunity: have been rearranged</p> <p>In Unit II the topics “Antigenic determinants on antibodies (Isotypic, allotypic, idiotypic)and Humanized antibody” have been added.</p> <p>In Unit III the topic “CLIA” has been incorporated.</p>
4	II PG MB/AMB/ BT/BC (2022-24)	Core Course XIV: Genomics and Proteomics	SP	In Unit II “Big Data- Overview and its Applications in Genomics. Platforms for Big Data. Utilization in Biological Industry” has been added.
5	II PG MB (2022-24)	Core Course XV: Practical III: Medical	DL	No Changes.

		Microbiology and Immunology		
6	II PG MB (2022-24)	Elective III- Pharmaceutical Microbiology	VR	In Unit-I the topic ‘Basics of the pharmaceutical sector’ has been added. In Unit-V the topics such as ‘Importance of medicines in public health’ and ‘Importance of inspections in the life cycle of medicines’ have been added.
7	II PG MB/AMB/ BT/BC (2022-24)	Modular- Module II – Course III – Diagnostic Microbiology (T*)	SA	No Changes.
8	II PG MB/AMB/ BT/BC (2022-24)	Modular- Module III – Course I – Endocrinology and Tumor markers (T*)	JJ	In Unit I POMC peptides has been added.
9	II PG STUDENT S (2022-24)	EDC (Mushroom cultivation)	SA	New syllabus has been framed.

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II PG MB (2022-24)	Course XVI: Soil and Agricultural Microbiology	VA	In Unit-I the topics “Rhizoplane” and “Role of microbes in soil fertility” have been added.
2	II PG MB/AMB (2022-24)	Course XVII: Plant Pathology and Disease Management	MM	In Unit-I the topics ‘Factors affecting colonization and development of symptoms’ ‘Growth, survival and dispersal of plant pathogens’ has been added.
3	II PG MB (2022-24)	Course XVIII: Practical IV: Soil and Agricultural Microbiology	VG	In Expt no: 13, Topic ‘VAM’ has been added

4	II PG MB/AMB /BT/ BC (2022-24)	Modular- Module III – Course II – Immunology, Serology and Parasitology (SS*)	VA	In Unit-III the topics “Monoclonal and Polyclonal antibody” have been added. IN Unit -V the topic “String test for parasites” has been added.
5	II PG MB/AMB /BT/ BC (2022-24)	Modular- Module III– Course III – Molecular Diagnostics (SS*)	GS	No changes



CHAIRMAN, BOS

CMS COLLEGE OF SCIENCE AND COMMERCE
SCHOOL OF BIOLOGICAL SCIENCES
DEPARTMENT OF MICROBIOLOGY
MINUTES OF THE 19TH BOARD OF STUDIES HELD ON 22.07.2022
PG MICROBIOLOGY BOARD

GENERAL CHANGES IN THE SCHEME AND SYLLABUS:

1. The nomenclature of certain courses has been renamed as “ Microbial Physiology and Metabolism, Microbiology of Food and Dairy products, Research Methodology, Biostatistics and Bioanalytical Techniques, Computational Biology, Practical II: Environmental Microbiology, Fermentation Microbiology, Genetic Engineering and Computational Biology, Practical II: Microbial Techniques, Industrial Microbiology, Genetic Engineering and Computational Biology” in the scheme of 2022-24 batch.
2. Case study has been incorporated in unit VI of all the courses.
3. Atleast one online course (NPTEL, MOOC) should be completed by the student for which extra two credits will be awarded from the batch 2022.
4. The Second-year syllabus for the batch 2021-2023 has been framed and passed in the meeting.
5. References have been updated and modified according to APA format.
6. The overall percentage of updations / modifications in PG Microbiology syllabus is 10 to 15%.

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

DEPARTMENT: MICROBIOLOGY

BOS 19 -MINUTES

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I PG AMB/MB (2022-24)	Course I: Fundamentals of Microbiology	DL	1.In Unit II, Fungal - Lactophenol Cotton blue staining has been added.
2	I PG AMB/MB(2022- 24)	Course II: Microbial Physiology and Metabolism	DL	1.Title has been changed from “Physiology and Metabolism of Microbes” to “Microbial Physiology and Metabolism”. 2.In Unit III, “Quorum sensing- Biofilm formation” has been added.
3	I PG AMB/MB (2022-24)	Course III: Microbiology of Food and Dairy products	VG	1.The course title “Food and Dairy Microbiology” has been renamed to “Microbiology of Food and Dairy products”. 2.In Unit-II “Cereal products” have been added. 3. In Unit-V, the topic button mushroom has been added.
4	I PG AMB/MB/BC/BT (2022-24)	Course IV: Molecular Genetics	SNG	1. In Unit I, the topics “Conservative and dispersive, Fidelity of replication” have been added. 2. In Unit V, Mechanism of repair has been rephrased as DNA Repair mechanism.
5	I PGAMB/ MB (2022-24)	Course V:Practical I- Microbial physiology, Molecular genetics and Food microbiology	MM	1. In Food microbiology “Enumeration of microorganisms from spoiled meat and egg” have been added.
6	I PG AMB/MB/BC/BT (2022-24)	Elective I-Bioethics, Biosafety, TQM and IPR	SP	1.In Unit V the topic- “Geographical indication: Meaning, Difference between GI and trademarks. Copyright- Registration Procedure, Ownership and license of copyright” have been added.

7	I PG AMB/MB/BC/BT (2022-24)	Module I – Course I – Concepts in Clinical Laboratory Technology and Management (T*)	SA	1.In Unit I- “Laboratory inventory management- objective and guidelines” have been included.
8	I PG AMB/MB/BC/BT (2022-24)	Module I – Course II – Methods in Clinical Laboratory Technology (T*)	VMM	No changes in the syllabus have been made

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I PG AMB (2022-24)	Course V: Microbial Techniques	VR	1. In Unit II the topics, “atomic absorption spectroscopy (AAS), atomic emission spectroscopy (AES) and atomic fluorescence spectroscopy (AFS)” have been added. 2. In Unit III the topics, “restriction site DNA markers (RAD) and analysis of polysomy in fungi” have been added. 3. New text books have been added. 4. In unit-IV, the genetic marker names mentioned individually were deleted and given as genetic markers as suggested by BOS members. 5. Course competency level has been checked and modified as suggested by BOS members.
2	I PG AMB (2022-24)	Course VI: Industrial Microbiology	PHC	1. In Unit V- The topic “Probiotics (Any one example)” has been added.
3	I PG AMB/MB/ BC (2022-24)	Course VII: Genetic Engineering	SNG	1.In Unit I the topics "applications of gene cloning, Lac Z gene, Multiple cloning sites (MCS), Shuttle vectors and its advantages” has been included. 2.In Unit III, the topics ‘end point and RT-PCR’ have been included.
4	I PG AMB/MB/BC/BT (2022-24)	Course VIII: Research Methodology, Biostatistics and Bioanalytical Techniques	ND	1.Title of the course has been renamed from “Research Methodology and Bioanalytical Techniques ” to “Research Methodology, Biostatistics and Bioanalytical Techniques”. 2.In Unit III - "Statistical tools for Data Analysis" has been added.

5	I PGAMB (2022-24)	Practical II: Microbial Techniques, Industrial Microbiology, Genetic Engineering and Computational Biology	DL	<p>1. In Industrial Microbiology, Isolation of pigment producing bacteria from soil has been added as the 8th experiment.</p> <p>2. The practical II title “Microbial Techniques, Industrial Microbiology, Genetic Engineering and Bioinformatics” has been renamed to “Microbial Techniques, Industrial Microbiology, Genetic Engineering and Computational Biology”.</p>
6	I PG AMB/MB/BC/BT (2022-24)	Elective II- Computational Biology	SP	<p>1. Elective II has been renamed from "Bioinformatics" to "Computational Biology".</p> <p>2. In unit IV the topic "Scoring Matrices, Percent Accepted Mutation (PAM), Blocks of Amino Acid Substitution Matrix (BLOSUM)" has been added.</p>
7	I PG AMB/MB/BC/BT (2022-24)	Module II- Course I - Physiology of human system (SS*)	JJ	<p>1. In Unit 2 “Chronic obstructive pulmonary disease risk factors pathogenesis and diagnosis” added.</p> <p>2. In Unit 3 “Proteinuria and micturition” has been added.</p>
8	I PG AMB/MB/BC/BT (2022-24)	Module II – Course II – Diagnostic Biochemistry (T*)	SNG	<p>1. There is no need for changes in this syllabus.</p>

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

DEPARTMENT: MICROBIOLOGY

BOS 19-MINUTES.

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II PG AMB/MB (2021-23)	Course IX: Medical Microbiology	SA	1.The PO and the CO have been modified. and the reference books have been updated. 2.In Unit III, a topic Penicillinoses has been removed. 3. In Unit IV, <i>Taenia solium</i> topic has been added.
2	II PG AMB (2021-23)	Course X: Applied Virology	MM	1.In Unit II “Persistent(cryptic) plant viruses” have been added.
3	II PG AMB/MB (2021-23)	Course XI: Immunology and Immunotechnology	MM	1.In Unit I “ Development of T Cells and B Cells” have been added. 2.In Unit V “Transplantation-concepts and challenges” have been added.
4	II PG MB/AMB/BT/BC (2021-23)	Course XII: Genomics and Proteomics	SP	1.In Unit I “Pedigree analysis” has been added. 2.In Unit IV “Introduction to Proteomics – The Proteome, Mining proteomes, Bridging Genomics and Proteomics. Proteomics and new biology” have been added.
5	II PG AMB (2021-23)	Practical III: Diagnostic Microbiology and Immunology	VR	1. Under the heading Diagnostic Microbiology, the experiment sterility testing of non-biocidal injectables has been added. 2. The text book and reference book details have been updated.
6	II PG AMB/MB (2021-23)	Elective III- Pharmaceutical Microbiology	VR	1.In Unit-III, the topics added related to liquid disinfectant evaluation tests are, Evaluation of liquid disinfection - general evaluation test, anti-bacterial disinfectant efficacy test - suspension test, in use and simulated use test, problematic bacteria test. Other microbe

				<p>disinfectant tests - fungicidal, virucidal and prion disinfectant tests. The topics Phenol coefficient/Rideal-Walker Coefficient were deleted as suggested by BOS members.</p> <p>2. As suggested by the BOS members, the topic injections, non-injectable sterile fluids, ophthalmic preparations, implants, surgical ligatures and sutures were deleted.</p> <p>3.The text book and reference book details have been updated.</p>
7	II PG MB/AMB/BT/BC (2021-23)	Module II – Course III – Diagnostic microbiology (T*)	SA	1.Reference books have been updated.
8	II PG MB/AMB/BT/BC (2021-23)	Module III – Course I – Endocrinology and Tumour markers (T*)	SNG	<p>1.In unit I, the topics “Differentiation between hormones and enzymes and the regulation cum general mechanism of action of hormones has been incorporated.</p> <p>2.In unit 2, the topics “adrenal cortical hormones - synthesis and secretion and aldosterone and its function” have been included.</p> <p>3.In unit 4, the topics “definition and mechanism of oncogenes and clinical applications of tumor markers” have been added.</p>
9	II PG MB/AMB/BT/BC (2021-23)	EDC	ICV	1. In Unit II “Construction of composting pit” has been added.

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II PG AMB (2021-23)	Course XIII: Environmental and Agricultural Microbiology	MM	1.In Unit III “Advantages and disadvantages in biodegradation" have been added.

2	II PG AMB /MB (2021-23)	Course XIV: Plant pathology and Disease management	MM	1.No changes have been made in the syllabus
3	II PG AMB (2021-23)	Practical IV: Environmental and Agricultural Microbiology	DL	1.In Aquatic Microbiology, membrane filtration method has been added in Experiment 19.
4	II PG AMB/MB/BT/BC (2021-23)	Module III – Course II – Immunology, Serology and Parasitology (SS*)	MM	1.In Unit II-"Mechanism of resistance" have been added
5	II PG AMB/MB/BT/BC (2021-23)	Module III– Course III – Molecular Diagnostics (SS*)	GS	1.No changes have been made in the syllabus

**CMS College of Science and Commerce (Autonomous)
Chinnavedampatti, Coimbatore - 641 049**

Academic Year: 2022-2023 (Board of Studies Meeting: II)

The meeting of the Board of Studies in Microbiology Postgraduate Programme (PG) was conducted on 4th Jan 2023 at 9:30 am

The following members were present:

Chairman : Dr. T. Vinoth Kumar,
Director, School of Biological Sciences,
CMS College of Science and Commerce,
Coimbatore-641049.
Mob No:8838490439.
Mail id: vinothbiochem@gmail.com

Members :

1. Dr. A. Vijayachitra
Associate Professor,
Sri Ramakrishna College Of Arts and Science for Women
Coimbatore-641044
Phone No: 9843110867
Mail id: vijayamicro@srcw.ac.in

2. Ms. K. Madhanasundareshwari
Associate Professor and Head
Sri Ramakrishna College Of Arts and Science for Women
Coimbatore-641044
Contact no: 9894033589
Mail id: hod-micro@srcw.ac.in

3. Dr S.Murugan
Associate Professor, Department of Biotechnology
Karunya University
Coimbatore--641114
Contact no: 9842053851
Mail id: micromurugans@gmail.com

4. Ms Ashley Joshi
Food Consultant and trainer
Kakkanad, Ernakulam-682030
Contact no: 8699876362

Mail id: ashley.joshi00@gmail.com

5. Mr. K. Pragadeesh Singh
Research scholar
Department of Microbiology,
Hindustan College of Arts and Science
Coimbatore- 641028
Contact no: 9566699148
Mail id: pragatheshsinghk@gmail.com

6. Ms. Vetri prathiyuksha
III B.Sc Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

7. Dr. Shethal Anilkumar
Assistant Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

8. Dr. S. Shanthipriya
Associate Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

9. Dr. V. Geetha
Associate Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

10. Dr. D. Latha
Associate Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

11. Mr. B. Venkatrajah
Assistant Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

12. Mrs. M. Malathi
Assistant Professor in Microbiology
Department of Microbiology
CMS College of Science and Commerce
Coimbatore-641049

The following resolutions were made in the Board of Studies meeting,

1. The draft scheme of the academic year, 2023-24 for postgraduate Microbiology program was discussed and finalized.



Chairman / Chair Person (BoS)

CMS COLLEGE OF SCIENCE AND COMMERCE

DEPARTMENT OF MICROBIOLOGY


PG MICROBIOLOGY AND APPLIED MICROBIOLOGY BOARD

21ST BOARD OF STUDIES

GENERAL MINUTES

The following resolutions were made in the Board of Studies meeting,

1. The scheme and syllabi of I and II semesters of PG Microbiology and PG Applied Microbiology for the students admitted during the academic year 2023- 2024 and onwards were approved.
2. The distribution of credits as well as marks for various courses were discussed for the students admitted during the academic year 2023-2024 and finalized.
3. The syllabi of III and IV semesters of the PG Microbiology for the students admitted during the academic year 2022- 2023 and onwards were approved.
4. The updation of the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) of each course were discussed and approved.
5. Extra Disciplinary course 'Mushroom Cultivation' has been introduced for all postgraduate programs except M.Sc.,Microbiology and Applied Microbiology program from 2022 batch onwards.
6. The percentage of change in nomenclature of the various courses is found to be 20% for 2023-24 batch.


Chairman, BoS
DIRECTOR
School of Biological Sciences
CMS College of Science & Commerce
Coimbatore - 641 049, Tamil Nadu, India

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE**SCHOOL OF BIOLOGICAL SCIENCES****DEPARTMENT: MICROBIOLOGY****BOS 21 -MINUTES**

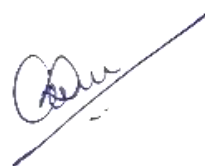
Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I PG AMB/MB (2023-25)	Core Course I: Fundamentals of Microbiology	VG	In unit III topic 'Archaeobacterium and Actinomycetes- Structure and classification' has been changed as 'Introduction to Archaeobacteria- Cell wall and membrane, Salient features of Euryarchaeota and Crenarchaeota'.
2	I PG AMB/MB(2 023-25)	Core Course II: Microbial Physiology and Metabolism	DL	In Unit II, the topic 'microbial growth measurement' has been added.
3	I PG AMB/MB (2023-25)	Core Course III: Microbiology of Food and Dairy products	VG	No changes.
4	I PG AMB/MB/B C/BT (2023- 25)	Core Course IV: Molecular Genetics	GA	In unit III the topic "chromatin remodeling" has been added. In Unit V the topic "Cystic fibrosis" has been included.
5	I PGAMB/ MB (2023- 25)	Core Course V: Practical I- Microbial Physiology, Molecular Genetics and Food Microbiology	VR	In the section Microbial Genetics, the practical topic "Detection of bacterial mutants using gradient plate method" has been added. A practical reference book related to Food and Dairy Microbiology has been added. In the experiment no. 16, "Enumeration of microorganisms from spoiled egg and meat" has been merged with experiment no. 15.

				The topic “Isolation and identification of Salmonella sp. from powdered milk and infant foods” have been changed to “Isolation and identification of Salmonella sp. from eggs and poultry products”.
6	I PG AMB/MB/B C/BT (2023- 25)	Elective I- Bioethics, Biosafety, TQM and IPR	ND	<p>In Unit II the topic “Radiation safety” has been added.</p> <p>In Unit-V the topics ‘patents- types, patenting of genes, biological organisms, plants, animals, microbes and transgenic organisms, trade secrets’ have been removed and added with the topics such as ‘Patents: Foundation of patent law, patent searching process, Basic Criteria of Patentability, Conditions for Obtaining a Patent Protection, Rights Associated with Patents, Enforcement of Patent Rights, Inventions Eligible for Patenting, Gene patenting, Patenting of transgenic organisms, Patenting pharmaceuticals, Non-Patentable Matters, Patent Infringements, Process of Patenting, Commercialization of a Patent, Patent Related Forms, Types of Patent Applications, e-filing of patent application, Rights of Patentee, Challenges in patents, National Bodies Dealing with Patent Affairs, Patent agent – qualification and registration procedure.’</p> <p>3. New text books have been added related to the new topics added in Unit-V.</p>
7	I PG AMB/MB/B C/BT(2023- 25)	Modular- Module I – Course I – Concepts in Clinical Laboratory Technology and Management (T*)	SA	No changes.

8	I PG AMB/MB/B C/BT (2023- 25)	Modular- Module I – Course II – Methods in Clinical Laboratory Technology (T*)	VMM	No changes.
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Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	I PG AMB (2023-25)	Core Course VI: Microbial Techniques	VR	In Unit-I topics such as ‘Scanning transmission electron microscope (STEM)’ and ‘Scanning probe microscopy’ have been added. In Unit-II topics such as ‘Scattering spectroscopy’ and ‘Molecular Spectroscopy’ have been added.
2	I PG AMB (2023-25)	Core Course VII: Industrial Microbiology	PHC	In Unit -III, the topic ‘yeast’ has been added instead of fungal fermentation.
3	I PG AMB/MB/ BC (2023-25)	Core Course VIII: Recombinant DNA Technology.	ND	In Unit V the topic “GM foods” has been added.
4	I PG AMB/MB/B C/BT (2023- 25)	Core Course IX: Research Methodology, Biostatistics and Bioanalytical Techniques	ND	In Unit I the topic “Components of research report - Title, Authors, Addresses, Abstract, Keywords, Introduction, Materials and Methods, Results, Discussion, Summary, Acknowledgements and Bibliography” has been added
5	I PGAMB (2023-25)	Core Course X: Practical II: Microbial Techniques, Industrial Microbiology, Recombinant DNA Technology and Computational Biology.	DL	No changes.

6	I PG AMB/MB/B C/BT (2023- 25)	Elective II- Computational Biology	SP	In Unit V the topics "SwissADME, PreADMET" have been added. In References new online content has been included.
7	I PG AMB/MB/B C/BT(2023- 25)	Modular- Module II- Course I -Physiology of human system (SS*)	JJ	In Unit IV the topic 'Structure and physiology of Ear' has been added.
8	I PG AMB/MB/B C/BT (2023- 25)	Modular- Module II – Course II – Diagnostic Biochemistry (T*)	JJ	In Unit I 'Biochemical tests for Calcium and phosphorus' have been added.



CHAIRMAN, BOS

CMS COLLEGE OF SCIENCE AND COMMERCE, COIMBATORE

SCHOOL OF BIOLOGICAL SCIENCES

DEPARTMENT: MICROBIOLOGY

BOS 21-MINUTES.

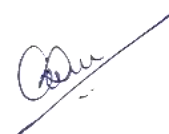
Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II PG AMB/MB (2022-24)	Core Course XI: Medical Microbiology and Diagnostics.	SA	No Changes.
2	II PG AMB (2022-24)	Core Course XII: Applied Virology	DL	In Unit III, topics 'BF.7, Omicron' have been added.
3	II PG AMB/MB (2022-24)	Core Course XIII: Immunology and Immunotechnology	VA	<p>In Unit I the topic "Types of immunity: HI and CMI." has been deleted.</p> <p>In Unit I the topics "Components of the immune system: Innate and adaptive (acquired) immunity: have been rearranged.</p> <p>In Unit II the topics "Antigenic determinants on antibodies (Isotypic, allotypic, idiotypic) and Humanized antibody have been added.</p> <p>In Unit III the topic "CLIA" has been incorporated.</p>
4	II PG MB/AMB/ BT/BC (2022-24)	Core Course XIV: Genomics and Proteomics	SP	In Unit II "Big Data- Overview and its Applications in Genomics. Platforms for Big Data. Utilization in Biological Industry" has been added.
5	II PG AMB (2022-24)	Core Course XV: Practical III: Diagnostic	VR	Two new practical topics such as 'White blood cell differential count from

		Microbiology and Immunology		<p>peripheral blood’ and ‘Counting of RBCs and WBCs using counting chamber’ have been added under the heading Serology.</p> <p>The experiment topic ‘Isolation and microscopic observation of Trichophyton sp. from skin and hair and <i>Aeromonas sp.</i> and <i>Photobacterium</i> has been removed and added with the new topic:</p> <p>(a) ‘Isolation and microscopic observation of <i>Malassezia</i> sp. from dandruff scalp’,</p> <p>(b) ‘Physiological test of <i>Malassezia</i> sp.: (i) Direct microscopic analysis (ii) Splitting of Esculin (iii) Catalase test (iv) Urease test’</p> <p>From the agglutination reactions the practicals VDRL test and Treponema pallidum Haemagglutination Assay (TPHA) were deleted.</p> <p>The practical ELISA test for Hepatitis B virus was converted to demonstration.</p> <p>The practical ‘Purification of IgY by Affinity Chromatography’ was deleted.</p> <p>From the precipitation in agar section the practicals ‘Oudin immuno-diffusion test’, ‘Oakley Fulthorpe immuno-diffusion test’ and ‘Identification and enumeration of Lymphocytes’ were deleted.</p>
6	II PG AMB/MB (2022-24)	Elective III- Pharmaceutical Microbiology	VR	<p>In Unit-I the topic ‘Basics of the pharmaceutical sector’ has been added.</p> <p>In Unit-V the topics such as ‘Importance of medicines in public health’ and ‘Importance of inspections in the life cycle of medicines’ have been added.</p>

7	II PG MB/AMB/ BT/BC (2022-24)	Modular- Module II – Course III – Diagnostic microbiology (T*)	SA	No Changes.
8	II PG MB/AMB/ BT/BC (2022-24)	Modular- Module III – Course I – Endocrinology and Tumour markers (T*)	JJ	In Unit I ‘POMC peptides’ have been added.
9	II PG STUDEN TS (2022- 24)	EDC (Mushroom cultivation)	SA	New syllabus has been framed.

Sl. No	Class	Subject	Staff	Details of Changes suggested by the staff
1	II PG AMB (2022-24)	Core Course XVI: Environmental and Agricultural Microbiology	MM	In Unit-I the topic ‘Role of microbes in soil fertility’ has been added. In Unit-V the topics ‘ticks, lice’ have been added.
2	II PG AMB /MB (2022-24)	Core Course XVII: Plant pathology and Disease management	MM	In Unit-I the topics ‘Factors affecting colonization and development of symptoms’ , ‘Growth, survival and dispersal of plant pathogens’ have been added.
3	II PG AMB (2022-24)	Core Course XVIII: Practical IV: Environmental and Agricultural	DL	In Biotransformation and Biodegradation, an experiment ‘Vermicomposting - Demo’ has been added.

		Microbiology		
4	II PG AMB/MB/ BT/BC (2022-24)	Modular- Module III – Course II – Immunology, Serology and Parasitology (SS*)	VA	In Unit-III the topics “Monoclonal and Polyclonal antibody “ have been added In Unit V the topic”string test for parasites” has been added.
5	II PG AMB/MB/ BT/BC (2022-24)	Modular- Module III– Course III – Molecular Diagnostics (SS*)	GS	No changes



CHAIRMAN, BOS



ATTESTED



PRINCIPAL

**C.M.S. College of Science & Commerce
Chinnavedampatti,
Coimbatore - 641 049**