



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)
(Approved by Government of Tamil Nadu & Accredited by NAAC with A++ Grade (3rd Cycle - 3.64 CGPA)
Dr. N.G.P. - Kalapatti Road, Coimbatore - 641 048, Tamil Nadu, India
Web : www.drngpasc.ac.in | Email : info@drngpasc.ac.in | Phone : +91-422-2369100

BoS

12th

MINUTES OF THE TWELFTH BOARD OF STUDIES MEETING

Faculty: Commerce

Board: Commerce in Business Process Services

The Meeting of Board of Studies (BoS) was held as given below:

Name of the Body	Board of Studies
Department	Commerce in Business Process Services
Meeting No.	12
Date and Time	04.08.2022 @ 10.00 a.m.
Venue	Placement Board Room
Members Attended	The details are given in the ANNEXURE -I

AGENDA

01	Discussion on UG Curriculum for AY 2022-23 and onwards adopting R4 guidelines
02	Discussion on UG syllabi for Part III - Core Courses for first semester - 2022-23 Batch
03	Discussion on syllabus for Part III - Inter Disciplinary Course (IDC – Business Mathematics) offered by Department of Mathematics
04	Discussion on Part I (Tamil/Hindi/French/Malayalam) offered by Language Department for 2022-23 Batch
05	Discussion on Part II (English) offered by English Department for 2022-23 Batch
06	Discussion on Part IV (AECC) Environmental Studies for 2022-23 Batch
07	Discussion on credits for Part V Extension Activity for 2022-23 Batch
08	Discussion on Value Added Certificate Courses(VACC)
09	Any other matter





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MINUTES OF THE TWELFTH BOARD OF STUDIES MEETING

Faculty: Commerce

Board: Commerce in Business Process Services

The Chairman of BoS welcomed all the Panel members for the meeting. The items listed in the agenda were taken for discussion.

The following are the minutes of the meeting:

Item - 01	Discussion on UG Curriculum for AY 2022-23 and onwards adopting R4 guidelines
Discussion	<ul style="list-style-type: none">• Under regulation R4, common syllabi have been designed for the mandatory core theory courses recommended by TANSICHE (All UG programmes in Faculty of Commerce). The unified syllabi framed by designated departments were approved by their respective Board.• Discipline Specific Elective (DSE) grouped under four specializations (Finance, Information Technology, Human Resource Management and Marketing) as a part of Choice Based Credit System.• The UG Curriculum for AY 2022-23 was presented for discussion.
Resolution	The Board unanimously approved the revised curriculum.
Item - 02	Discussion on UG syllabi for Part III - Core Courses for first semester - 2022-23 Batch
Discussion	<p>225CIIA1CA: Principles of Management (New Course)</p> <ul style="list-style-type: none">• The unified syllabus approved by Board of Studies in Commerce with Information Technology was placed for endorsement. <p>225PA1A1CA: Financial Accounting (New Course)</p> <ul style="list-style-type: none">• The unified syllabus approved by Board of Studies in Commerce with Professional Accounting was placed for endorsement. <p>225BP1A1CP: Spreadsheet Modeling for Business Decisions (New Practical Course)</p> <ul style="list-style-type: none">• Different Computer Practiclas in Ms-Excel to enhance the application oriented knowledge of the students were discussed and included.• Dr. Velmurugan suggested to include the program “Data Validation”• Mr. Jagatheeswaran suggested to include the program “HLOOKUP and VLOOKUP” as a separate Program.
Resolution	The Board members approved the syllabi for the above courses.

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Faculty: Commerce

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Item - 03	Discussion on syllabus for Part III - Inter Disciplinary Course (IDC – Business Mathematics) offered by Department of Mathematics.
Discussion	222MT1A1IA: Business Mathematics (New Course) <ul style="list-style-type: none">The unified syllabus approved by the Board of Studies in Mathematics was placed for endorsement.
Resolution	The Board unanimously approved the IDC Syllabus.
Item - 04	Discussion on Part I (Tamil/Hindi/French/Malayalam) offered by Language Department for 2022-23 Batch
Discussion	221TL1A1TA/ 221TL1A1HA /221TL1A1FA /221TL1A1MA: Part I: Tamil-I: Ikkala Illakiyam / Hindi-I: Modern Literature /French-I: Grammar, Translation and Civilization / Malayalam – I: Modern Literature respectively (New Course) <ul style="list-style-type: none">The unified syllabi approved by the Board of Studies in Languages were placed for endorsement.
Resolution	The Board members approved the Syllabi for the above courses.
Item -05	Discussion on Part II (English) offered by department of English for 2022-23 Batch
Discussion	221EL1A1EA: Part II: Professional English I (New Course) <ul style="list-style-type: none">The unified syllabus approved by the Board of Studies in English was placed for endorsement.
Resolution	The Board unanimously approved the syllabus.
Item -06	Discussion on Part IV (AECC) Environmental Studies for 2022-23 Batch
Discussion	223MB1A1AA: Environmental Studies (New Course) <ul style="list-style-type: none">The unified syllabus approved by the Board of Studies in Microbiology was placed for endorsement.
Resolution	The Board unanimously approved the syllabus.

Cont...



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MINUTES OF THE TWELFTH BOARD OF STUDIES MEETING

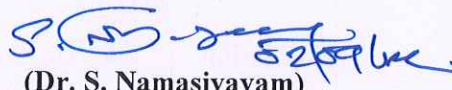
Faculty: Commerce

Board: Commerce in Business Process Services

Item-07	Discussion on credits for Part – V Extension Activity for 2022-23 Batch.
Discussion	225BP1A1XA: Extension Activity - NSS/NCC/ YRC/RRC/ Yoga/Sports/ Clubs One credit to be awarded for participation in extension activity like NSS/NCC/ YRC/RRC/ Yoga/Sports/ Clubs.
Resolution	The Board members approved one credit for Extension Activity.
Item-08	Discussion on Value Added Certificate Courses (VACC)
Discussion	The VAC course entitled Tally: Accounting Software Package to be offered by the industry from the Batch 2022-23 and onwards.
Resolution	The Board members approved the VAC course, syllabus and the offering industry.
Item -09	Any other matter
Discussion	The board members discussed and suggested the Panel of Examiners.
Resolution	The Board recommended the external experts.

The Chairman of Board of Studies (BoS) thanked all the members for their active participation and providing their valuable suggestions.

Date: 04.08.2022


 (Dr. S. Namasivayam)

BoS Chairman/HoD
 Department of Commerce (BPS)
 Dr. N. G. P. Arts and Science College
 Coimbatore – 641 048





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12th

Syllabus Revision

Faculty: Commerce
Semester: I

Board: Commerce in Business Process Services

Course Code/ Name: 221TL1A1TA / PART - I - TAMIL - I: IKKALA ILAKKIYAM

Unit	Existing	Changes
I	1. உயிர்-பெற்ற-தமிழர்-பாட்டு - பாரதியார் 2. படி - பாரதிதாசன் 3. கோராட்புறப்பட்டு - தமிழ்-ஒளி 4. தமிழ்க் கொலை புரியாதீர் - புலவர் குழந்தை 5. திரைத்தமிழ்: அ) கம்மா கிடந்த நிலத்தை - எனத் தொடங்கும் பாடல் - பட்டுக்கோட்டை கல்யாண சுந்தரனார். ஆ) சமரசம் உலாவு இடமுமே - எனத் தொடங்கும் பாடல் - மருதகாசி. இ) உன்னை அறிந்தால் - எனத் தொடங்கும் பாடல் - கண்ணதாசன்.	இலக்கிய வரலாறு - மறுமலர்ச்சி கவிஞர்களின் தமிழ்ப்பணிகள் பாரதிதேசம் - பாரதியார் தமிழரின் பெருமை - நாமக்கல் கவிஞர் திரைத் தமிழ் : விஞ்ஞானத்த வளர்க்கப் போறண்டி - உடுமலை நாராயணகவி
II	1. கடமையைச் செய் - மீரா 2. அம்மாவின்பொய்கள் - ஞானக்கூத்தன் 3. செருப்புடன்-ஒருபேட்டி - மு.மேத்தா 4. சிங்கவால்-குரங்கின்-மரணம் - சிற்பி 5. கடல்கோள்-2004 - மூத்தமிழ்-விசும்பி 6. கரிகிறது தாய்ப்பால் - ஆசூர் தமிழ்நாடன் 7. ஐந்தாம் வகுப்பு 'அ' பிரிவு - நா. முத்துக்குமார் 8. ஹைகூ. கவிதைகள் - 15 கவிதைகள்	இலக்கிய வரலாறு - புதுக்கவிதையின் தோற்றமும் வளர்ச்சியும் ஒப்பிலாத சமுதாயம் - அப்துல் ரகுமான் கன்னிமாடம் - மு.மேத்தா மலையாளக் காற்று - சிற்பி
III	1. ஒருகதவும்-கொஞ்சம்-கள்ளிப்பாலும் - தாமரை 2. நீரில் அலையும் முகம் - அ. வெண்ணிலா 3. தொட்டிச்-செடி - இளம்பிறை 4. ஏனிந்த வித்தியாசங்கள் - மல்லிகா	தொலைந்து போனேன் - தாமரை தற்காதல் - பொன்மணி வைரமுத்து புதையுண்ட வாழ்க்கை - சுசந்தி சுப்ரமணியன்
IV	1. ஷேப்பர்சர் - ந-பிச்சுமூர்த்தி 2. அக்ஸையா - புதுமைப்பித்தன் 3. ஒருபிடிசோறு - ஜெயகாந்தன் 4. காய்ச்சமரம் - கி.ராஜநாராயணன் 5. நிர்ஹா - பாமா 6. குதிரை-மசால்-நாந்தா - சு.வேணுகோபால்	இலக்கிய வரலாறு - சிறுகதையின் தோற்றமும் வளர்ச்சியும் கனகாம்பரம் - கு.பராஜகோபால் ஆற்றங்கரைப் பிள்ளையார் - புதுமைப்பித்தன் பொம்மை - ஜெயகாந்தன் காட்டில் ஒரு மான் - அம்பை வேட்கை - சூர்யகாந்தன்
V	அ. இலக்கியவரலாறு 1. மறுமலர்ச்சி கவிஞர்களின் தமிழ்ப்பணிகள் 2. புதுக்கவிதையின் தோற்றமும் வளர்ச்சியும் 3. சிறுகதையின் தோற்றமும் வளர்ச்சியும் ஆ. இலக்கணம்: 1. வல்லினம் மிகும், மிகா இடங்கள் (ஒற்றுப்பிழை நீக்கி எழுதுதல்) 2. ர, ல, ழ, ள, ண, ந, ன வேறுபாடு (ஒலிப்பு நெறி, சொற்பொருள் வேறுபாடு அறிதல்) இ. படைப்பாக்கப் பயிற்சி 1. கவிதை, சிறுகதை எழுதுதல்	இலக்கிய வரலாற்றுப் பகுதி அந்தந்த அலகுகளுக்குத் தகுந்தாற் போல் மாற்றி அமைக்கப்பட்டுள்ளது.

PERCENTAGE OF SYLLABUS REVISED: 44 %
COURSE FOCUS ON:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Skill Development | <input checked="" type="checkbox"/> Entrepreneurial Development |
| <input checked="" type="checkbox"/> Employability | <input checked="" type="checkbox"/> Innovation |
| <input type="checkbox"/> Intellectual Property Right (IPR) | |





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12th

Syllabus Revision

Faculty: Commerce

Board: Commerce in Business Process Services

Semester: I

Course Code/ Name: 221TL1A1HA/ PART - I - HINDI - I: MODERN LITERATURE

Unit	Existing	Changes
I	गद्य - नूतन गद्य संग्रह (जय प्रकाश) पाठ 1- रजिया पाठ 2- मक्रील पाठ 3- बहता पानी निर्मला पाठ 4- राष्ट्रपिता महात्मा गाँधी	-
II	कहानी कुंज- डॉ वी.पी. 'अमिताभ'(पाठ 1-4)	-
III	व्याकरण : शब्द विचार (संज्ञा, सर्वनाम, कम्पक, विशेषण)	व्याकरण : शब्द विचार (संज्ञा, सर्वनाम, विशेषण)
IV	अनुच्छेद लेखन	-
V	अनुवाद अभ्यास-III (केवल अंग्रेजी से हिन्दी में) (पाठ 1 to 10)	-

PERCENTAGE OF SYLLABUS REVISED: 25 %

COURSE FOCUS ON:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Skill Development | <input checked="" type="checkbox"/> Entrepreneurial Development |
| <input checked="" type="checkbox"/> Employability | <input checked="" type="checkbox"/> Innovation |
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Faculty: Commerce

Board: Commerce in Business Process Services

Semester: I

Course Code/ Name: 221TLIA1FA / PART – I - FRENCH – I : Grammar, Translation and Civilization

Unit	Existing			Changes		
I	Objectifs de Communication <ul style="list-style-type: none"> • Saluer • Enter en contact avec quelqu'un. • Se présenter. • S'excuser 	Tâche En cours de cuisine, premiers contacts avec les membres d'un groupe	Activités de réception et de production orale <ul style="list-style-type: none"> • Comprendre des personnes qui se saluent. • Échanger pour entrer en contact, se présenter, saluer, s'excuser. • Communiquer avec <i>tu</i> ou <i>vous</i>. • Comprendre les consignes de classe • Épeler son nom et son prénom. Compter jusqu'à 10. 	-		
II	Objectifs de Communication <ul style="list-style-type: none"> • Demander de se présenter. • Présenter quelqu'un. 	Tâche Dans la classe de français, se présenter et remplir une fiche pour le professeur.	Activités de réception et de production orale <ul style="list-style-type: none"> • Comprendre les informations essentielles dans un échange en milieu professionnel. • Échanger pour se présenter et présenter quelqu'un. 	-		
III	Objectifs de Communication <ul style="list-style-type: none"> • Exprimer ses goûts. 	Tâche Dans un café, participer à une soirée de rencontres rapides et remplir de tâches d'appréciation.	Activités de réception et de production orale <ul style="list-style-type: none"> • Dans une soirée de rencontres rapid comprendre des personnes qui échantent sur elles et sur leurs goût • Comprendre une personne qui parler des goûts de quelqu'un d'autre. 	-		
IV	Objectifs de Communication <ul style="list-style-type: none"> • Présenter quelqu'un 	Tâche Dans un café, participer à une soirée de rencontres rapides et remplir de tâches d'appréciation	Activités de réception et de production orale <ul style="list-style-type: none"> • Exprimer ses goûts. • Comprendre une demande laissée sur un répondeur téléphonique. • Parler de ses projets de week-end. 	Demander à quelqu'un de faire quelque chose. Demander poliment. Parler d'actions passées.	Organiser un programme d'activités pour accueillir une personne importante.	Comprendre une personne demande un service à quelqu'un. Demander à quelqu'un de faire quelque chose. Imaginer et raconter au passé à partir de situations dessinées.
Autoévaluation du module I Page 40 – Préparation au DELF A1 page 42			Tu veux bien? Page 46			
V	Demander à quelqu'un de faire quelque chose. Demander poliment. Parler d'actions passées.	Organiser un programme d'activités pour accueillir une personne importante.	Comprendre une personne demande un service à quelqu'un. Demander à quelqu'un de faire quelque chose. Imaginer et raconter au passé à partir de situations dessinées.	Make in Own Sentences		
Tu veux bien? Page 46						

PERCENTAGE OF SYLLABUS REVISED: 25 %

COURSE FOCUS ON:

<input checked="" type="checkbox"/> Skill Development	<input checked="" type="checkbox"/> Entrepreneurial Development
<input checked="" type="checkbox"/> Employability	<input checked="" type="checkbox"/> Innovation
<input type="checkbox"/> Intellectual Property Right (IPR)	





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Syllabus Revision

Faculty: Commerce

Board: Commerce in Business Process Services

Semester: I

Course Code/ Name: 221TLIA1MA / PART - I - MALAYALAM - I: MODERN LITERATURE

Unit	Existing	Changes
I	Novel : Alahayude penmakkal	Novel : Pathummayude Adu
II	Novel : Alahayude penmakkal	Novel : Pathummayude Adu
III	Short Story : Nalinakanthi	-
IV	Short Story : Nalinakanthi	-
V	Composition & Translation	Expansion of ideas, General Essay and Translation

PERCENTAGE OF SYLLABUS REVISED: 50%

COURSE FOCUS ON:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Skill Development | <input checked="" type="checkbox"/> Entrepreneurial Development |
| <input checked="" type="checkbox"/> Employability | <input checked="" type="checkbox"/> Innovation |
| <input type="checkbox"/> Intellectual Property Right (IPR) | |

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Syllabus Revision

Faculty: Commerce

Board: Commerce in Business Process Services

Semester: I

Course Code/ Name: 221EL1A1EA- Core Course: Professional English I

PERCENTAGE OF SYLLABUS REVISED: 100%

COURSE FOCUS ON:

<input checked="" type="checkbox"/>	Skill Development	<input checked="" type="checkbox"/>	Entrepreneurial Development
<input checked="" type="checkbox"/>	Employability	<input type="checkbox"/>	Innovation
<input type="checkbox"/>	Intellectual Property Rights (IPR)		





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Syllabus Revision

Faculty: Commerce

Board: Commerce in Business Process Services

Semester: I

Course Code/ Name: 225PA1A1CA- Financial Accounting

Unit	Existing	Revised
I	Accounting, Book Keeping Accounting – Meaning – Objectives – Functions – Accounting Concepts and Conventions – Advantages – Limitations – Fundamentals of Book Keeping – Accounting Standards - Journal – Ledger – Subsidiary books – Trial balance	Introduction to Accounting and Final Accounts Definition – Types of Accounts – Bases of Accounting Introduction to final accounts – Trading Account, Profit and Loss Account, Balance sheet with adjustments
II	Final Accounts Final Accounts of a Sole Trader – Trading Account, Profit and Loss Account, Balance sheet with adjustments – Differences between Trial Balance and Balance sheet – Rectification of errors: Types – Rectification	Bank Reconciliation Statement and Depreciation Need for Bank Reconciliation – Difference between cash book and pass book balances – Preparation of statement – Meaning and Definition of Depreciation – Characteristics – Causes – Need – Methods (Straight Line, Written Down, Annuity, Sinking Fund, Insurance Policy and Machine Hour Rate methods)
III	Bills of Exchange Bills of Exchange – Promissory notes and bills of exchange – Recording of transactions relating to bills – Renewal of bills – Retiring of bills under rebate – Average Due Date – Meaning – Advantages – Calculation of Average Due Date	Definition – Features – Advantages – Distinction between Bills of Exchange and Promissory Notes – Dishonour of a Bill
IV	Bank Reconciliation Statement Bank Reconciliation Statement – Need – Reasons for difference between cash book and pass book balances – Preparation of Bank Reconciliation Statement Accounting for Non Trading concerns – Receipts and Payments Account – Income and Expenditure Account – Differences between Receipts and Payments and Income and Expenditure Accounts – Balance sheet	Account Current and Average Due Date Meaning of Account current – Definition – Methods: Product, Red-ink Interest, Interest table, Periodical balance and Epoque method Meaning of Average due date – Uses – Accounting treatment - Calculation of Interest
V	Depreciation Depreciation – Meaning – Causes – objectives of depreciation – Factors affecting depreciation – Accounting Treatment – Methods of depreciation	Accounting for Consignments and Goods Sent on Sale or Return Basis Meaning of Consignment – Distinction between consignment and sale – Accounting treatment in the books of the Consignor and Consignee – Goods sent on consignment at cost and at Invoice price Meaning of Sale or Return – Purpose – Methods of Recording Sale or Return Transactions

PERCENTAGE OF SYLLABUS REVISED: 68 %

COURSE FOCUS ON:

- Skill Development Entrepreneurial Development
- Employability Innovation
- Intellectual Property Rights (IPR)





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BoS

12th

Syllabus Revision

Faculty: Commerce

Board: Commerce in Business Process Services

Semester: I

Course Code / Name: 225C1A1CA / Principles of Management


Unit	Existing	Changes
I	Management: Introduction - Meaning & Definition- Nature- Importance- Functions of Management- Difference between Administration and management- Contribution of F.W Taylor-Henry Fayol. Management by Objectives (MBO) - Management by Exception (MBE)	Introduction to Management: Scope – Management as an Art, Science and Profession – Scientific Management
II	Planning and Decision-making: Nature and Importance of planning - Process – Types of planning – Objectives- Policies- Procedures- Strategies & Programmes- Decision making –Importance – Characteristics-Needs-Types-Techniques	Planning : Definition – Advantages and Disadvantages – Decision Making – Traditional and Modern – Steps involved in Decision Making- Rational Decision Making
III	Organizing and Staffing: Meaning and Importance of Organizing – Principles of Organizing - Delegation & Decentralization – Departmentation – Span of Management. Organizational structure – Line, staff and functional – Organizational charts and manual – Span of management – Staffing: Nature and Purpose of staffing.	Organisation: Definition – Types -Elements of Organisation Process - Overcoming Line-staff conflict, Committees, Organization Structures, Types, Advantages & Disadvantages, Directing – meaning & Definition – Principles – Techniques – Importance - Process of Delegations - Barriers to Delegation, Span of Control – Centralization & Decentralization
IV	Directing, Leadership and Motivation: Nature & Importance of Directing – Techniques of Directing- Supervision - Organization Leadership- Qualities -Concept and Styles- Trait and Situational Theory of Leadership. Motivation: Concept and Importance; Maslow Need Hierarchy Theory; Herzberg Two Factors Theory.	Staffing : Meaning and Definition – Functions – Recruitment - Sources of Recruitment – Training- Performance Appraisal - 360 Degree Appraisal Method – Assessment Center Method- Leadership – Types – Qualities of a Good Leader- Leadership styles
V	Controlling and Co-ordination: Definitions and Importance of Controlling - process – Traditional and nontraditional - Control devices – Use of computers in managing information. Coordination – Nature – Elements of coordination – Communication – Functions – Process – Barriers to effective communication	Controlling and Reporting: Meaning– Need and Significance of control – Managing Productivity – Cost Control – Purchase Control – Maintenance Control – Quality Control – Co-ordination – Need – Techniques - Reporting – meaning & Definition – Principles – Techniques – Importance.

PERCENTAGE OF SYLLABUS REVISED: 40 %

COURSE FOCUS ON:

- Skill Development
 Entrepreneurial Development
 Employability
 Innovation
 Intellectual Property Rights (IPR)



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		12th

Syllabus Revision

Faculty: Commerce

Board: Commerce in Business Process Services

Semester: I

Course Code / Name: 225BP1A1CP/ Spreadsheet Modelling for Business Decisions

Exercises	Existing	Changes
1.	New	Preparation of a mark list of your class (minimum of 5 subjects) and perform the following operations: Data Entry, Total, Average, Result and Ranking by using arithmetic and logical functions.
2.	New	Preparation of a Final Accounts (Trading, Profit & Loss Account and Business Sheet) by using formulas.
3.	New	Preparation of statement of Bank customer's account showing simple and compound interest calculations for 10 different customers using mathematical and logical functions.
4.	New	Creation of Employee pay slip database in organization.
5.	Creation of a student data table and performing sort and filter. Sort: by color, reverse list, randomized list. Filter: Text Filter, Auto filter and Remove duplicate	
6.	Creation of Pivot table and chart for Purchase, Sales and Profit data of a company for 5 years	
7.	Performing user defined Macros: Recording, Viewing and Running Macros for any 3 functions	
8.	Performing What-If Analysis in excel using the options Goal Seek, Data Table, HLookup and VLookup	Performing What-If Analysis in excel using the options Goal Seek, Data Table.
9.	Performing What-If Analysis in excel using the options Goal Seek, Data Table, HLookup and VLookup	Performing the functions of HLookup and VLookup
10.	New	Performing the functions of Data validation.
11.	Performing Data Analysis using the Statistical Tools: 1. Mean. 2. Standard Deviation. 3. Correlation and 4. Regression.	
12.	New	Creation of Google forms and viewing and editing the data in Excel.

PERCENTAGE OF SYLLABUS REVISED: 50%

COURSE FOCUS ON:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Skill Development | <input type="checkbox"/> Entrepreneurial Development |
| <input type="checkbox"/> Employability | <input type="checkbox"/> Innovation |
| <input type="checkbox"/> Intellectual Property Rights (IPR) | |





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12th

Syllabus Revision - New Course

Faculty: Commerce

Board: Commerce in Business Process Services

Semester: I

Course Code/ Name: 222MT1A1IA / BUSINESS MATHEMATICS

Unit	Existing	Changes
I	Sets—types—venn diagrams—set operations—union—intersection—complement—differences—laws of algebras of sets—properties of sets—number of elements—sums involved in two sets	
II	Interest: Simple interest - compound interest - Interest Compounded Continuously - Amount at the changing rates of interest - Nominal and Effective rate of interest - Growth and depreciation - Sinking fund - Annuities - Present value - Discounting of bills - True discount - Banker's gain	
III	Basic Concepts-Types of Matrices - Addition and Multiplication of Matrices - Determinants - Cramer's Rule - Inverse of a Matrix - Solution of Simultaneous Linear Equations by Matrix Method-Rank of a Matrix	
IV	Variable-Constants-Functions- imitso gebraic functions-Differentiationin onevariable-Process of differentiation- Rules of Differentiation- Derivatives of Power Functions-Exponential and Logarithmic Functions	
V	Meaning of Derivatives - Evaluation of First and Second Order Derivatives - Applications of Simple Derivatives - Elasticity of Demand - Relation between Average and Marginal cost curves - Minimum of Average Cost - Maximum and Minimum Values of a Functions - Order Conditions for Maxima -Profit Maximization - Cost Minimization	Linear Programming - Introduction to Operations Research - Meaning, Scope and Limitation of Operations Research - Formulation of Linear Programming Problem - Graphical method - Simplex method

PERCENTAGE OF SYLLABUS REVISED: 20%

COURSE FOCUS ON:

<input checked="" type="checkbox"/> Skill Development	<input type="checkbox"/> Entrepreneurial Development
<input checked="" type="checkbox"/> Employability	<input type="checkbox"/> Innovation
<input type="checkbox"/> Intellectual Property Rights (IPR)	





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12th

Syllabus Revision

Faculty: Commerce

Board: Commerce in Business Process Services

Semester: I

Course Code/ Name: 223MB1A1AA – Environmental studies

Unit	Existing	Changes
I	Introduction to Environmental studies & Ecosystems: Multidisciplinary nature of environmental studies; components of environment – atmosphere, hydrosphere, lithosphere and biosphere. Scope and importance; Concept of sustainability and sustainable development. Ecosystem - Structure and function of ecosystem; Energy flow in an ecosystem: food chain, food web and ecological succession. Case studies of the following ecosystems: Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries).	
II	Natural Resources: Renewable and Non-renewable Resources: Land Resources and land use change; Land degradation, soil erosion and desertification. Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Water: Use and overexploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state). Heating of earth and circulation of air; air mass formation and precipitation. Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies.	
III	Biodiversity and Conservation: Levels of biological diversity: genetic, species and ecosystem diversity; Biogeography zones of India; Biodiversity patterns and global biodiversity hot spots. India as a mega-biodiversity nation; Endangered and endemic species of India. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity. Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and informational value.	
IV	Environmental Pollution, Environmental Policies & Practices: Environmental pollution: types, causes, effects and controls; Air, water, soil, chemical and noise pollution. Nuclear hazards and human health risks. Solid waste management: Control measures of urban and industrial waste. Pollution case studies. Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture. Environment Laws: Environment Protection Act; Prevention & Control of Pollution Act – Air & Water. Wildlife Protection Act; Forest Conservation Act; International agreements; Montreal and Kyoto protocols and conservation on Biological Diversity (CBD). The Chemical Weapons Convention (CWC). Nature reserves, tribal population and rights, and human-wildlife conflicts in Indian context.	
V	Human Communities and the Environment & Field Work : Human population and growth: Impacts on environment, human health and welfare. Carbon foot print. Resettlement and rehabilitation of project affected persons: case studies. Disaster management: floods, earthquakes, cyclones and landslides. Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan. Environmental ethics: Role of Indian and other religions and cultures in environmental conservation. Environmental communication and public awareness case studies (e.g., CNG vehicles in Delhi). Visit to an area to document environmental assets; river/forest/flora/fauna, etc. Visit to a local polluted site – Urban/Rural/Industrial/Agricultural. Study of common plants, insects, birds and basic principles of identification. Study of simple ecosystems pond, river, Delhi Ridge, etc.	Population explosion – Family Welfare Programmes Role of Information Technology in Environment and human health. Role of the Colleges, Teachers and Students in village adoption towards clean, green and make in villages in various aspects.

PERCENTAGE OF SYLLABUS REVISED: 33 %

COURSE FOCUS ON:

<input checked="" type="checkbox"/>	Skill Development	<input type="checkbox"/>	Entrepreneurial Development
<input type="checkbox"/>	Employability	<input type="checkbox"/>	Innovation
<input type="checkbox"/>	Intellectual Property Rights (IPR)		



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12th

ATTENDANCE OF THE TWELFTH BOARD OF STUDIES MEETING

Faculty: Commerce

Board: Commerce (BPS)

Date : 04.08.2022

Time : 10.00 a.m.

Venue: Placement Board Room

The following members were present for the Board meeting.

S. No.	Name	Position	Signature
1	DR. S. NAMASIVAYAM Professor & Head Department of Commerce (BPS) Dr. N.G.P. ASC Coimbatore - 641048.	Chairman	
2	DR. N. SAKTHIVEL Associate Professor Department of Commerce Gobi Arts and Science College Gobichettipalayam - 638476	Member (Subject Expert) VC Nominee	
3	DR. P. SASI REKHA Assistant Professor Department of Commerce Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore -641043	Member (Subject Expert) Nominated by Academic Council	Absent.
4	DR. R. VELMURUGAN Associate Professor Department of Commerce (BPS) Karpagam Academy of Higher Education, Coimbatore.	Member (Subject Expert) Nominated by Academic Council	
5	MR. STEPHEN MOSES DINAKARAN H CBO- Human Resources Program Lead - Academic Interface Program, TATA Consultancy Services, Chennai.	Member Industrial Expert	Absent.

Cont...





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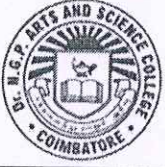
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6	MR. A. JAGADEESWARAN Assistant General Manager Transformation Lead – FAO Tata Consultancy Services Chennai	Member Industrial Expert	
7	MS. SANJANA.M, US Immigration Specialist, TCSL "Chennai One"-SEZ Unit, 200ft. Thoraipakkam, Pallavaram Ring road, Thoraipakkam, Chennai-600096.	Alumni	
8	DR. N. KUPPUCHAMY Associate Professor and Head Department of Tamil Dr. N.G.P. ASC Coimbatore – 641048.	Co-opted Member	
9	DR. R. VITHYAPRABHA Professor and Head Department of English Dr. N.G.P. ASC Coimbatore – 641048.	Co-opted Member	
10	DR. M. SANGEETHA Professor Department of Mathematics Dr. N.G.P. ASC Coimbatore – 641048.	Co-opted Member	
11	DR. A.Y. KETTIRAMALINGAM Associate Professor Department of Commerce (BPS) Dr. N.G.P. ASC Coimbatore – 641048.	Member	

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12	DR. J. NITHYA Associate Professor Department of Commerce (BPS) Dr. N.G.P. ASC Coimbatore - 641048.	Member	
13	DR. V.P. AMUTHANAYAKI Assistant Professor, Department of Commerce (BPS) Dr. N.G.P. ASC Coimbatore - 641048.	Member	
14	MR. K. PONNUMANI Assistant Professor, Department of Commerce (BPS) Dr. N.G.P. ASC Coimbatore - 641048.	Member	
15	MR. S.S.N. SIVASENBAGANATHAN III. B. Com. (BPS) Department of Commerce (BPS) Dr. N.G.P. ASC Coimbatore - 641048.	Student Representative	

Date: 04.08.2022

(Dr.S. Namasivayam)

BoS Chairman/HoD
Department of Commerce (BPS)
Dr. N. G. P. Arts and Science College
Coimbatore - 641 048



Dr. NGPASC
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