MINUTES OF THE THIRTEENTH BOARD OF STUDIES MEETING

Faculty: Computer Science   **Board: Computer Technology**

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

Name of the Body	Board of Studies
Department	Computer Technology
Meeting No.	13
Date and Time	27.07.2022 @ 10.00 a.m.
Venue	Board Room
Members Attended	The details are given in the ANNEXURE -I

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

328

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MINUTES OF THE THIRTEENTHBOARD OF STUDIES MEETING

Faculty: Computer Science   **Board: Computer Technology**

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	Under regulation R4, common syllabi have been designed for the mandatory core theory courses recommended by TANSCHE(for all UG programmes related to computer science).The unified syllabus framed by a designated department will be approved in their respective BoS.
Resolution	The Board unanimously approved the curriculum.
Item - 02	Discussion on syllabi for Part III - Core Courses for first semester UG - 2022-23 Batch
Discussion	**224AI1A1CA: Problem Solving and Programming in C** • The unified syllabus approved by Board of Studies in Artificial Intelligence and Machine Learning was placed for endorsement. **224IT1A1CA : Digital Computer Fundamentals(New Course)** • The unified syllabus approved by Board of Studies in Information Technology was placed for endorsement. **224CT1A1CP: Programming in C** • Dr. Pankajavalli suggested to include programs on :Preprocessor Directives and Number Conversion Calculator in order to reinforce number systems
Resolution	The Board approved the syllabus
Item-03	Discussion on syllabus for Part III - Inter Disciplinary Course (IDC) offered to Department of Costume Design and Fashion
Discussion	**224CT1A1IA: Computers in Garment Industry - I B.Sc. (CDF)** • Dr.Radha suggested to change the content of Unit I in order to impart fundamental concepts on Computer Architecture and Open Source Software
Resolution	The Board unanimously approved the revised syllabus
Item - 04	Discussion on syllabus for Part III - Inter Disciplinary Course (IDC) offered by Department of Mathematics
Discussion	**222MT1A1IE: Numerical Methods and Statistics** • Syllabus approved by the Mathematics BoS
Resolution	The Board approved the same

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Item - 05	Discussion on Part I (Tamil/Hindi/French/Malayalam) offered by Language department for 2022-23 Batch
Discussion	221TL1A1TA - Part I: Tamil-I: Ikkala Illakiyam / 221TL1A1HA - Hindi-I: Modern Literature /221TL1A1FA - French-I: Grammar, Translation and Civilization / 221TL1A1MA - Malayalam – I : Modern Literature respectively • The unified syllabuses approved by the Board of Studies in Languages were placed for endorsement.
Resolution	The Board approved the same
Item -06	Discussion on Part II (English) offered by department of English for 2022-23 Batch
Discussion	221EL1A1EA: Part II: Professional English I • The unified syllabus approved by the Board of Studies in English was placed for endorsement.
Resolution	The Board unanimously approved the syllabus
Item -07	Discussion on Part IV (AECC) Environmental Studies for 2022-23 Batch
Discussion	223MB1A1AA: Environmental Studies • The unified syllabus approved by the Board of Studies in Microbiology was placed for endorsement.
Resolution	The Board approved the syllabus
Item-08	Discussion on credits for Part V Extension Activity for 2022-23 Batch
Discussion	• One credit to be awarded for participation inYRC/RCC//NSS/ RRC/Yoga/Sports/Clubs
Resolution	The Board members accepted the same
Item-09	Discussion on Value Added Certificate Courses(VACC)
Discussion	• The course titled Mobile Application Development to be offered by internal faculty for 2021-22 batch was discussed
Resolution	The Board approved the same
Item -10	Any other matters
Discussion	• The board members discussed and recommended the Panel of Examiners
Resolution	The Board approved the same

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

Date: 27.07.2022   (Dr. D. Maheshwari)

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330

Syllabus Revision

Faculty : Computer Science   Board : Computer Technology

Semester: I

Course Code / Name: 224AI1A1CA / Problem Solving and Programming in C

Unit	Existing	Changes
I	Programming Development Methodologies – Programming Style – Stepwise Refinement and Modularity – Problem Solving Techniques – Algorithm –Flowchart – Pseudocode – Sequence and Selection – Iteration and Recursion –Recursion Versus Iteration – Overview of Compilers and Interpreters – Structure of a C program – Programming Rules – Executing the Program	Introduction: Types of Programming Languages – High level Languages – Assembly Languages – Machine Level Languages – System Software – Operating Systems – Compiler – Linker and Interpreter. Symbols used in Flow Charts– Structured Programming – Sequence – Selection – Repetition – Modular Programming
II	Introduction – C Character Set – Tokens – Keywords and Identifiers – Constants – Variables – DataTypes – Declaring Variables – Declaration of Storage Class – Defining Symbolic constant. Operator and Expressions: Arithmetic operators - Relational Operators - Logical Operators – Assignment Operators – Increment and Decrement Operators - Conditional Operators – Bitwise Operators – Special Operators – Precedence of Arithmetic Operators – Type conversion in Expressions. Managing Input and Output Operations: Reading a Character – Writing a Character – Formatted Input and Output	Storage classes- Simple programs for logic building
III	Decision Making and Branching: Introduction – Simple if statement – if..else statement - Nesting of if..else statements – Else if Ladder – Switch statement – goto statement. Decision Making and Looping: while statement – do statement – for statement – jumps in loops. Arrays: One Dimensional Arrays – Two Dimensional Arrays. Character arrays and strings: Declaring and Initializing String Variables – Reading Strings from Terminal – Writing Strings to Screen – String-handling Functions.	Pre-processor Directives: Macro substitution – File inclusion – Compiler control directives. Dynamic Arrays.
IV	User-defined Functions: Needs for User-defined Functions – Elements of User- Defined Functions – Definition of Functions – Return Values and their Types – Function Calls – Function Declaration – Category of Functions. Pointers: Understanding Pointers – Accessing the Address of a Variable – Initialization of Pointer Variables – Accessing a Variable through its Pointer.	Strings: Declaring and Initializing the string variables – String handling functions.
V	Structures and Unions: Defining a Structure – Declaring Structure Variables – Accessing Structure Members – Unions – Bit Fields. File Management: Defining and- Opening a File – Closing a File – Input / Output Operation on Files.	Dynamic memory allocation

PERCENTAGE OF SYLLABUS REVISED   :21 %

COURSE FOCUS ON:

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

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Syllabus Revision

Faculty : Computer Science

Board : Computer Technology

Semester: I

Course Code / Name: 224IT1A1CA/ Digital Computer Fundamentals

PERCENTAGE OF SYLLABUS REVISED   **: 100%**

COURSE FOCUS ON:

☑ Skill Development   ☐ Entrepreneurial Development

☐ Employability   ☐ Innovation

☐ Intellectual Property Rights (IPR)

Syllabus Revision

Faculty : Computer Science　　　　　　**Board : Computer Technology**

Semester: I

Course Code / Name: 224CT1A1CP/ Programming in C

Prg. No	Existing	Changes
1	Program to calculate simple interest and compound interest with flowchart	
2	Program to generate n-prime numbers with flowchart	
3	Program to generate Fibonacci series	Program to implement types of number conversion
4	Program to implement i. Conditional Operator ii. Bitwise Operator	
5	Program to implement formatted and unformatted Input / Output functions	
6	Program to print alphabets pyramid using iteration statement	
7	Program to compute multiplication of matrix using array	
8	Program to implement string handling functions	
9	Program to find the factorial of a number using recursive function	Program to implement category of functions.
10	Program using pointer to check whether the given string is a palindrome or not	Program using dynamic arrays
11	Program to print the student's mark sheet assuming roll-no, name, and marks in 5 subjects as array of structures and print the mark sheet	
12	Program to implement copying of file contents to new file	Program to implement file operation with command line argument

PERCENTAGE OF SYLLABUS REVISED　　　　　　**: 33%**

COURSE FOCUS ON:

☑ Skill Development　　　　☐ Entrepreneurial Development

☑ Employability　　　　☐ Innovation

☐ Intellectual Property Rights (IPR)

Syllabus Revision

Faculty: BAS   **Board: Mathematics**   **Semester: I**

Course Code/ Name: 222MT1A1IE/NUMERICAL METHODS AND STATISTICS

Unit	Existing	Changes
I	Introduction – Gauss Elimination Method – Gauss Jordan Method – Iterative Methods - Jacobi Method of Iteration – Gauss Seidel Iteration Method	Introduction to Solution of Algebraic and Transcendental Equations- Newton-Raphson method.
II	Numerical Differentiation - Derivatives using Newton's forward difference formula - Derivatives using Newton's Backward difference formula - Numerical Integration - Trapezoidal Rule - Simpson's 1/3 rd rule - Simpson's 3/8 th rule	Introduction to Interpolation - Finite difference - Newton's formula for forward and backward interpolation – Interpolation with unevenly spaced points: Lagrange's interpolation Numerical solution to ordinary differential equation: Second order Runge-kutta method.
III	Function of an Average – Characteristics of Typical Average - Limitations -Properties - Mean - Calculation of Mean - Merits of - Mean - Demerits of Mean - Median – Calculation of Median - Merits of Median - Demerits of Median - Mode - Calculation of Mode -Merits of Mode - Demerits of Mode - Range - Quartile Deviation – Standard Deviation	Pooled mean - Geometric Mean - Harmonic Mean. Mean deviation - Variance.
IV	Types of Correlation – Scatter diagram Method - Coefficient of Correlation - Karl Pearson's Coefficient of Correlation - Merits and Demerits of Correlation – Rank Correlation - Regression - Uses - Difference between Correlation and Regression - Method of Studying Regression – Regression Equations - Regression equation of Y on X - Regression equation of X on Y	Correlation in grouped bivariate data
V	Testing of Hypothesis - Standard Error - Test of Significance for Attributes - Test for Proportion of Success - Test for Difference in Proportions - Test of Significance for Large Samples - The Standard error of mean - Testing the difference between means of Two Samples - Test of Significance for Small Samples - Students' t- Distribution -Chi Square Test - Characteristics of Chi Square Test - Degree of Freedom - Chi Square Test of goodness of fit - Chi Square as a test of independence	Test in one way classification - Contingency table - Test of independence of factors - Yate's correction.

PERCENTAGE OF SYLLABUS REVISED: 25%

COURSE FOCUS ON:

☑ Skill Development   ☐ Entrepreneurial Development

☑ Employability   ☐ Innovation

☐ Intellectual Property Rights (IPR)

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334

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Syllabus Revision

Faculty : Computer Science   **Board : Computer Technology**

Semester: I

Course Code / Name: 224CT1A1IA/ Computers in Garment Industry

Unit	Existing	Changes
I	Classification of computers- computer generations-computer specification -organization of computer sections. Type of storage devices (primary and secondary), input device, output device	Computer Fundamentals - Computer Components-Computer Memory - Operating System - Computer Networks - Databases –Types of programming languages –open source software: Fiber technology- spinning- weaving- knitting- coloration technology-textile testing
II	Role of computers in fashion industry – Information flow – CAD, CAM, CIM, CAA, PDC –Definition and functions. Computers in production planning and production scheduling computerized colour matching system	NIL
III	CAD in creating designs – Advantages. Computerized weaving, knitting and printing, creating Computerized embroidery machines, Garment designing with CAD – 2D and 3D forms	NIL
IV	3D Body scanning systems, Made to measure systems, CAD in pattern making and grading – system description – information flow – process involved in pattern making, process involved in pattern grading	NIL
V	Computer application in fabric defect checking, laying / spreading, cutting marker planning, Labelling – Parts and functions. Computerized sewing machines.	NIL

PERCENTAGE OF SYLLABUS REVISED   **: 20 %**

COURSE FOCUS ON:

☑ Skill Development   ☐ Entrepreneurial Development

☐ Employability   ☐ Innovation

☐ Intellectual Property Rights (IPR)

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Syllabus Revision

Faculty: Computer Science   **Board: Computer Technology**
Semester: I
Course Code/ Name: 221TL1A1TA / PART – I - TAMIL - I: IKKALA ILAKKIYAM

Unit	Existing	Changes
I	1. உயிர் பெற்ற தமிழர் பாட்டு - பாரதியார் 2. படி - பாரதிதாசன் 3. போராடப் புறப்பட்டோம் - தமிழ் ஒளி 4. தமிழ்க் கொலை புரியாதீர் - புலவர் குழந்தை 5. திரைத்தமிழ்: அ)சும்மா கிடந்த நிலத்தை - எனத் தொடங்கும் பாடல் - பட்டுக்கோட்டை கல்யாண சுந்தரனார். ஆ) சமரசம் உலாவும் இடமுமே - எனத் தொடங்கும் பாடல் - மருதகாசி. இ) உன்னை அறிந்தால் - எனத் தொடங்கும் பாடல் – கண்ணதாசன்.	இலக்கிய வரலாறு - மறுமலர்ச்சி கவிஞர்களின் தமிழ்ப்பணிகள் பாரததேசம் - பாரதியார் தமிழரின் பெருமை - நாமக்கல் கவிஞர் திரைத் தமிழ் : விஞ்ஞானத்த வளர்க்கப் போறண்டி – உடுமலை நாராயணகவி
II	1. கடமையைச் செய் - மீரா 2. அம்மாவின் பொங்கள் - ஞானக்கூத்தன் 3. செருப்புடன் ஒரு பேட்டி - மு.மேத்தா 4. சிங்கவால் குரங்கின் மரணம் - சிற்பி 5. கடல்கோள் 2004 - முத்தமிழ் விரும்பி 6. கரிக்கிறது தாய்ப்பால் - ஆரூர் 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. ஒரு கதவும் கொஞ்சம் கள்ளிப்பாலும் - தாமரை 2. நீரில் அலையும் முகம் - அ. வெண்ணிலா 3. தொட்டிச் செடி - இளம்பிறை 4. ஏனிந்த வித்தியாசங்கள் - மல்லிகா	தொலைந்து போனேன் - தாமரை தற்காத்தல் - பொன்மணி வைரமுத்து புதையுண்ட வாழ்க்கை - சுகந்தி சுப்ரமணியன்
IV	1. வேப்பமரம் - ந. பிச்சமூர்த்தி 2. அகல்லைய - புதுமைப்பித்தன் 3. ஒருபிடி சோறு - ஜெயகாந்தன் 4. காய்ச்சமரம் - கி.ராஜநாராயணன் 5. நிராசை - பாரதி 6. குதிரை மசால் தாத்தா - சு. வேணுகோபால்	இலக்கிய வரலாறு - சிறுகதையின் தோற்றமும் வளர்ச்சியும் கனகாம்பரம் - கு.ப.ராஜகோபாலன் 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,ற,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:

- ☑ **Skill Development**
- ☑ **Employability**
- ☐ **Intellectual Property Right (IPR)**
- ☑ **Entrepreneurial Development**
- ☑ **Innovation**

Syllabus Revision

Faculty: Computer Science

Board: Computer Technology

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- डाँ वी.पी. 'अमिताभ'(पाठ 1-4)	-
III	व्याकरण : शब्द विचार (संज्ञा, सर्वनाम,कारक,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:

- ☑ Skill Development
- ☑ Entrepreneurial Development
- ☑ Employability
- ☑ Innovation
- ☐ Intellectual Property Right (IPR)

Syllabus Revision

Faculty: Computer Science **Board: Computer Technology**

Semester : I

Course Code/ Name: 221TL1A1FA / PART – I FRENCH – I: Grammar, Translation and Civilization.

Unit	Existing			Changes
I	**Objectifs de Communication**	**Tâche**	**Activités de réception et de production orale**	–
	• Saluer • Enter en contact • avec quelqu'un. • Se presenter. • S'excuser	En cours de cuisine, premiers contacts avec les members d'un groupe	• Comprendre des personnes qui se saluent. • Échanger pour entrer en contact, se présenter, saluer, s'excuser. • Communiquer avec *tu* ou *vous*. • Comprendre les consignes de classe • Épeler son nom et son prénom. Computer jusqu'à 10.	
II	**Objectifs de Communication**	**Tâche**	**Activités de réception et de production orale**	–
	• Demander de se presenter. • Présenter quelqu'un.	Dans la classe de français, se presenter et remplir une fiche pour le professeur.	• Comprendre les informations essentielles dans un échange en milieu professionnel. • Échanger pour se presenter et présenter quelqu'un.	
III	**Objectifs de Communication**	**Tâche**	**Activités de réception et de production orale**	–
	• Exprimer ses gouts.	Dans un café, participer à une soirée de rencontres rapides et remplir de taches d'appréciation.	• Dans une soirée de recontres rapid comprendre des personnes qui échangent sur elles et sur leurs goût • Comprendre une personne qui parler des goûts de quelqu'un d'autre.	
IV	**Objectifs de Communication**	**Tâche**	**Activités de réception et de production orale**	Demander à quelqu'un de faire quelque chose. Demander poliment Parler d'actions passes. / 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.
	• Présenter quelqu'un	Dans un café, participer à une soirée de rencontres rapides et remplir de taches d'appréciation	• Exprimer ses goûts. • Comprendre une demande laissée sur un répondeur téléphonique. • Parler de ses projets de week-end.	
	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 passes.~~	~~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:

- ☑ Skill Development
- ☑ Entrepreneurial Development
- ☑ Employability
- ☑ Innovation
- ☐ Intellectual Property Right (IPR)

Syllabus Revision

Faculty: Computer Science   **Board: Computer Technology**

Semester : I

Course Code/ Name: 221TL1A1MA / 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:

- ☑ Skill Development
- ☑ Employability
- ☐ Intellectual Property Right (IPR)
- ☑ Entrepreneurial Development
- ☑ Innovation

339

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. - KalapattiRoad, Coimbatore – 641 048, Tamil Nadu, India
Web : www.drngpasc.ac.in | Email : info@drngpasc.ac.in | Phone : +91-422-2369100

Syllabus Revision

Faculty: Computer Science   **Board: Computer Technology**

Semester: I

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

PERCENTAGE OF SYLLABUS REVISED: 100%

COURSE FOCUS ON:

✓	Skill Development	✓	Entrepreneurial Development
✓	Employability	☐	Innovation
☐	Intellectual Property Rights (IPR)		

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COIMBATORE | INDIA

340

Syllabus Revision

Faculty: Computer Science

Board: Computer Technology

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. E c o s y s t e m - 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 welfares. Carbon foot-print. Resettlement and rehabilitation of project affected persons; case studies. Disaster management: floods, earthquakes, cyclones and landslides. Environmental movements: Chipko, Silent valley, Bishnios 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:

[✓] Skill Development   [ ] Entrepreneurial Development

[ ] Employability   [ ] Innovation

[ ] Intellectual Property Rights (IPR)

341

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ATTENDANCE OF THE THIRTEENTH BOARD OF STUDIES MEETING
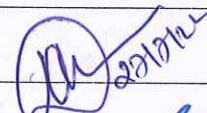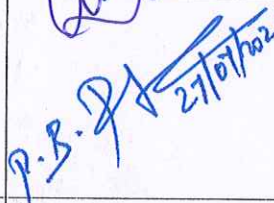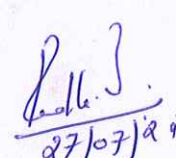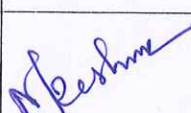
Faculty: Computer Science   **Board: Computer Technology**

VENUE   :   IQAC – Board Room
DATE   :   27/07/2022
TIME   :   10:00 a.m.

The following members were present for the Board of Studies meeting

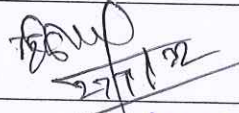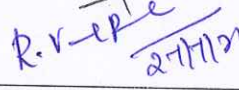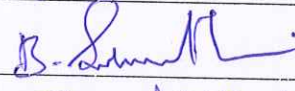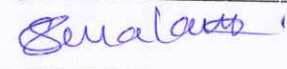| S.NO.	NAME	DESIGNATION	SIGNATURE
1.	Mrs. D. Maheshwari Professor and Head	Chairman	
2.	Dr. P. B. Pankajavalli Assistant Professor Department of Computer Science Bharathiar University, Coimbatore-46	Member (Subject Expert) (Nominated by Vice Chancellor)	
3.	Dr. V. Radha Professor, Department of Computer Science School of Physical Sciences and Computational Sciences Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore- 641043	Member (Subject Expert) (Nominated by Academic Council)	
4.	Dr. L. Dhanabal Associate Professor, Department of MCA Kumaraguru College of Technology Athipalayam Rd, Chinnavedampatti Coimbatore- 641049	Member (Subject Expert) (Nominated by Academic Council)	
5.	Mr. R. Gopinath Software Engineer Tech Mahindra, TidelPark, Coimbatore	Member (Industrial expert)	– ABSENT –
6.	Ms. M. Reshma Senior Software Testing Engineer Wipro Technologies, Tidel Park, Coimbatore.	Alumni	
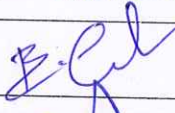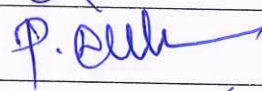
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S.NO.	NAME	DESIGNATION	SIGNATURE*
8.	Dr. N. Kuppuchamy	Co-opted Member (Tamil)	
9.	Dr. R.VidhyaPrabha	Co-opted Member (English)	
10.	Dr. R. Sowrirajan	Co-opted Member (Mathematics)	
11.	Ms. P. Preethi	Student Representative	
12.	Mrs. R. S. Padmapriya Assistant Professor (SG)	Member	— ABSENT —
13.	Mr. B. Narasimhan Assistant Professor	Member	
14.	Mr. T. R. Anand Assistant Professor (SG)	Member	
15.	Mrs. V. Manimekalai Assistant Professor	Member	— ABSENT —
16.	Dr. M. Rathi Assistant Professor (SG)	Member	
17.	Dr. P. Iswarya Assistant Professor	Member	
18.	Dr. R. Nithya Professor	Member	
19.	Dr. B. Leelavathi Associate Professor	Member	
20.	Mrs. C. Malarvizhi Assistant Professor	Member	

Date :27/07/2022

(Dr. D. Maheshwari)

BoS Chairman/HoD
Department of Computer Technology
Dr. N. G. P. Arts and Science College
Coimbatore – 641 048

Dr.V. Rajendran
CHAIRMAN