

(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
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BoS

 13^{th}

MINUTES OF THE THIRTEENTH BOARD OF STUDIES MEETING

Faculty: BAS

Board: Mathematics

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

Name of the Body	Board of Studies
Department	Mathematics
Meeting No.	13
Date and Time	05.08.2022,and 10 a.m.
Venue	Seminar Hall 1, C1 Block
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 UG syllabi for Part III - Core Courses for first semester 2022-23 Batch	
03	Discussion on syllabusfor Part III - Inter Disciplinary Course (IDC) offered by other departments	
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 PG Curriculum for AY 2022-23 and onwards adopting R4 guidelines	
09	Discussion on PG syllabi for first semester courses 2022-23 Batch	
10	Discussion on syllabusfor Part III- Inter Disciplinary Course (IDC) offered to other departments	
11	Discussion on Value Added Certificate Courses(VACC)	
12	Any other matter	



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MINUTES OF THE THIRTEENTH BOARD OF STUDIES MEETING

Faculty:BAS

Board:Mathematics

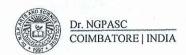
The Chairman of BoS welcomed all the Panel members for the meeting. The items listed in the agenda were taken for discussion.

The following are the minutes of the meeting:

The UG Curriculum for AY 2022-23 and onwards adopting R4 guidelineswas presented for discussion. The Board unanimously approved the curriculum. Discussion on UG syllabi for Part III - Core Courses for first semester.	
Discussion on IIC syllabi for Part III - Core Courses for first samestar	
Discussion on UG syllabi for Part III - Core Courses for first semester 2022-23 Batch	
The syllabus approved by Board of Studies to include Scilab with the contents of calculus to demonstrate the course with a computational	
tool. 222MT1A1CB – Analytical Geometry with GEOGEBRA	
 The syllabus approved by Board of Studies to introduce Planes and Straight line in the syllabus along with the tool GEOGEBRA for gaining computational knowledge. 	
The Board approved the syllabus	
Discussion on syllabus for Part III - Inter Disciplinary Course (IDC) offered by Department of Physics	
222PY1A1IP - Modern Physics with Practicals Syllabus approved by the Physics BoS	
The Board approved the same	
Discussion on Part I (Tamil/Hindi/French/Malayalam) offered by Language department for 2022-23 Batch	
221TL1A1TA/ 221TL1A1HA /221TL1A1FA /221TL1A1MA: Part I:Tamil-I: IkkalaIllakiyam/ Hindi-I:Modern Literature/French-I: Grammar, Translation and Civilization/ Malayalam – I: Modern Literature respectively • The unified syllabi approved by the Board of Studies in Languages were placed for endorsement.	
The Board approved the same	

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Cont...





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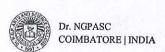
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Item -05	Discussion on Part II (English) offered by department of English for 2022-2: Batch		
Discussion	221EL1A1EA: Part II: Professional English I The unified syllabus approved by the Board of Studies in English was placed for endorsement.		
Resolution	The Board unanimously approved the syllabus		
Item -06	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-07	Discussion on credits for Part V Extension Activity for 2022-23 Batch		
Discussion	One credit to be awarded for participation in YRC/RCC//NSS/ RRC/Yoga/Sports/Clubs		
Resolution	The Board members accepted the same		
Item-08	Discussion on PG Curriculum for AY 2022-23 and onwards adopting R4 guidelines		
Discussion	The PG Curriculum for AY 2022-23 and onwards adopting R4 guidelines was presented for discussion.		
Resolution	The Board unanimously approved the curriculum.		
Item-09	Discussion on PG syllabi for first semester courses 2022-23 Batch		
Dr. Balamani suggested to include the following topics in the contents of the Algebraically closed and algebraically closures of a field and (ii) Perfect fie contents as this is necessary for studying advance concepts in Galois theory 222MT2A1CB – Advanced Analysis The syllabus approved by Board of Studies to include the concepts of Measure the contents as this forms basic for studying function spaces. 222MT2A1CC – Ordinary Differential Equations Dr. Narayanamoorthy and Dr. Rameshbabu recommended to include existence uniqueness of solutions of systems in the contents 222MT2A1CD – Operations Research Dr. Narayanamoorthy recommended to introduce the concept of Inventory cont place of Simulation as the topic will be helpful for research. Also the board recommended to shift from elective to core course.			
	222MT2A1CE - Advanced Statistics The syllabus approved by Board of Studies recommended to frame the contents focusing on applications of estimators and non-parametric tests and suggested textbook based on it Also it is further recommended to offer the course as core course. 222MT2A1DA - Numerical Analysis Dr. Narayanamoorthi and Dr. Rameshbabu suggested to include the concept of optimization method instead of characteristic value problems 222MT2A1DB - Commutative Algebra The syllabus approved by Board of Studies to include the course that gives more cont		





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	insights in the applications of theory of Algebra in Number Theory.	
	222MT2A1DC – Mathematical Modeling Dr. Balamani suggested to include the topics of Stochastic changes and Stochastic evolution in the contents in addition to deterministic as the influence of uncertainty is more in real world applications.	
Resolution	The Board approved the syllabus	
Item-10 Discussion on syllabus for Part III - Inter Disciplinary Course (IDC Department of other departments		
Discussion	222MT1A1IA- Business Mathematics – I Dr. Balamani suggested to include the basic methods of linear programming in the contents instead of Set theory to enhance the skill of finding optimal solutions for a linear programming problem. 222MT1A1IF- Mathematics for Computing – I Dr. Ramesh Babu suggested to give more concentration on Linear Algebra concepts through determinants, eigen values and eigen vectors which are required for understanding machine learning along with some numerical techniques for enhancing the student's problem solving ability. 222MT1A1IE-Numerical Methods and Statistics Dr. Narayanamoorthi and Dr. Balamani insisted to give some numerical techniques for solve system of equations, algebraic and transcendental equations along with the method of solving differential and integral terms. Also more concentration should be given for statistical concepts like central tendency and dispersion, correlation and regression and statistical inference are included for decision making ability. 222MT1A1IP-Fundamentals of Mathematics with Matlab Dr. Rameshbabu recommended to include a computational tool Matlab to solve the Mathematical concepts like differential calculus, differential equations practically.	
	222MT1A1IC / Mathematics For Management-I Dr. Rameshbabu suggested to include Mathematical Finance concepts like compound interest, simple interest and sinking fund in the place of Set theory. In addition to this, concepts of Harmonic mean and coefficient of variation to improve their computing ability on data.	
Resolution	The Board unanimously approved the revised syllabus	
Item-11	Discussion on Value Added Certificate Courses(VACC)	
Discussion	The course titled Computation using Matlab to be offered by internal faculty for 2022-23 batch was discussed	
Resolution	The Board approved the same	
tem -12	Any other matter	
Discussion	The board members discussed and recommended the Panel of Examiners	
Resolution	The Board approved the same	
The Chairman	n of Board of Studies (BoS) therefore all the	

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

Date: 05.08.2022

(Dr. R. Sowrirajan)

BoS Chairman/HoD Department of Mathematic Page | 4 Dr. N. G. P. Arts and Science College Coimbatore - 641 048

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Syllabus Revision - New Course

Faculty:

BAS

Board: Mathematics

Semester: I

Course Code/ Name: 222MT1ACA / CALCULUS WITH SCILAB

PERCENTAGE OF SYLLABUS REVISED: New Course

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



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SYLLABUS REVISION

Faculty : BAS

Board

: Mathematics

Semester: I

Course Code / Name: 222MT1A1CB/ ANALYTICAL GEOMETRY WITH GEOGEBRA

PERCENTAGE OF SYLLABUS REVISED: New Course

Skill Development	Entrepreneurial Development
☑ Employability	Innovation
☐ Intellectual Property Righ	ats (IPR)



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Syllabus Revision

Faculty: BAS

Board: Mathematics

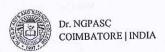
Semester: I

Course Code/ Name: 222MT2A1CA/ALGEBRA

Unit	Existing	Changes
I	External direct products - internal direct products. Group action on a set: - Fixed sets and Isotropy subgroups - orbits - Application on G-Sets to counting: p-groups - Sylow theorems	
II	Applications to p-Groups and the class equation - further applications. Rings of polynomials: polynomials in an indeterminate - evaluation homomorphisms. division algorithm in $F[x]$ - irreducible polynomials - ideal structure in $F[x]$ - uniqueness of factorization in $F[x]$	
III	Extension fields - algebraic and transcendental elements - irreducible polynomial for α over F - simple extensions -Algebraic extensions: finite extensions - structure of a finite fields	Algebraically closed and algebraic closures.
IV	Basic isomorphism of algebraic field theory - Automorphisms and fixed fields - Frobeniusautomorphism -Isomorphishm extension theorem: extension theorem - splitting fields	
V	Normal Extensions - The Main Theorem - Galois group over finite fields- Illustrations of Galois Theory: Symmetric Functions	Multiplicity of zeros of a polynomial- separable extensions-perfect fields

PERCENTAGE OF SYLLABUS REVISED:10%

Skill Development	Entrepreneurial Development
Employability	Innovation
Intellectual Property Right	ts (IPR)





Faculty:

BAS

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Syllabus Revision - New Course

Board: Mathematics Semester: I

	Course Code/ Name: 222MT2A1C	B/ADVANCED ANALYSIS
	PERCENTAGE OF SYLLABUS R	EVISED: New Course
	COURSE FOCUS ON:	
\square	Skill Development	Entrepreneurial Development
$\overline{\mathbf{A}}$	Employability	Innovation
	Intellectual Property Rights (II	PR)



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Syllabus Revision

Faculty:

BAS

Board: Mathematics Semester: I

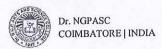
Course Code/ Name: 222MT2A1CC / ORDINARY DIFFERENTIAL EQUATIONS

Unit	Existing	Changes
I	Solutions in power series Introduction-second order linear equations with ordinary points-Legendre equation and Legendre polynomials-second order equation with regular singular point-properties of Bessel functions	
II	System of Linear differential equations System of first order equations- model for ARMS competition between two nations- existence and uniqueness theorem-fundamental matrix	
III	Non-homogeneous linear system Non-homogeneous linear systems- linear system with constant coefficients- linear systems with periodic coefficients	
IV	Existence and uniqueness of solutions Preliminaries- successive approximations- Picard's theorem- some examples- continuation and dependence on initial conditions- existence of solutions in the large.	Existence and Uniqueness of solutions of system
V	Oscillations of second order equations Fundamental results- Sturm's comparison theorem- elementary linear oscillations- comparison theorem of Hille-Winter - Oscillations of x "+a(t)x=0	

PERCENTAGE OF SYLLABUS REVISED: 5 %

COURSE FOCUS ON:

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



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Syllabus Revision

Faculty: BAS **Board: Mathematics**

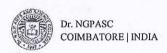
Semester: I

Course Code/ Name: 222MT2A1CD/ OPERATIONS RESEARCH

Unit	Existing	Changes
I	Dynamic Programming Prototype example for dynamic programming- characteristics of dynamic programming problems- deterministic dynamic programming	
II	Integer Programming Prototype example-some BIP applications- innovative uses of binary variables in model formulation-some formulation examples- perspectives on solving integer programming problems	
III	Decision Analysis Prototype example-decision making without experimentation —decision making with experimentation-decision trees, Markov chains: Stochastic processes-Markov chains	
IV	Queueing Theory Prototype example-basic structure-examples of real Queueing systems-role of the exponential distribution-birth and death process-Queueing models based on birth and death process	
V	Simulation Essence of Simulation – applications of simulation – generation of random numbers – generation of random observations from probability distribution	Inventory Theory Examples - components - deterministic continuous and periodic review model - deterministic multiechelon inventory model for supply chain management

COURSE FOCUS ON: Skill Development and Employability

Y	Skill Development		Entrepreneurial De	evelopment
V	Employability		Innovation	
	Intellectual Property Righ	nt (IPR)		





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Syllabus Revision - New Course

Fa	culty:	BAS	Board: Mathematics	Semester: I
Co	ourse Cod	le/ Name: 222N	MT2A1CE/ ADVANCED STATISTICS	
PE	RCENTA	AGE OF SYLI	LABUS REVISED: New Course	
CC	OURSE F	OCUS ON:		
Skill	Developn	nent	Entrepreneurial Development	
Emp	oloyability		☐ Innovation	
☐ Inte	llectual Pr	roperty Rights	(IPR)	



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Syllabus Revision

Faculty:

BAS

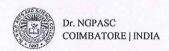
Board: Mathematics Semester: I

Course Code/ Name: 222MT2A1DA / NUMERICAL ANALYSIS

Unit	Existing	Changes
I	Interval halving (Bisection) revisited - linear interpolation methods - Newton's method - fixed-point iteration: $x = g(x)$ method - Newton's method forpolynomials - Bairstow's method for quadratic factors	Nonlinear Systems
11	Matrix notation - elimination method - Gaussian elimination and Gauss - Jordan methods - other direct methods - iterative methods - relaxation method	Parallel Processing
III	Extrapolation techniques - Newton-Cotes integration formulas - Trapezoidal rule-composite formula - Simpson's rules - Gaussian quadrature	Multiple Integrals - Applications of Cubic Splines
IV	The spring-mass problem - variation - Taylor-series method - Euler and modified Euler methods - Runge-Kutta methods - Milne's method - Adams- Moulton method - convergence criteria	systems - Boundary-Value Problems Higher-Order Equations and S - Linear Programming
V	Types of partial differential equations - heat equation and the wave equation - solution techniques for the heat equation in one dimension - solving the vibrating string problem - Parabolic equations in two or three dimensions	

PERCENTAGE OF SYLLABUS REVISED:20%

Skill Development	☐ Entrepreneurial Development
✓ Employability	☐ Innovation
☐ Intellectual Proper	ty Rìghts (IPR)





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Syllabus Revision - New Course

Faculty:

BAS

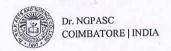
Board: Mathematics

Semester: I

Course Code/ Name: 222MT2A1DB /COMMUTATIVE ALGEBRA

PERCENTAGE OF SYLLABUS REVISED: New Course

Skill Development	Entrepreneurial Development	
Employability	Innovation	
☐ Intellectual Property R	ights (IPR)	





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Syllabus Revision

Faculty: BAS

Board: Mathematics

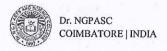
Semester: I

Course Code/ Name: 222MT2A1DC / MATHEMATICAL MODELING

Unit	Existing	Changes
I	Data transformations: Linear model – polynomial models –population modeling – global warming modeling - model errors – optimal linear models – optimal quadratic models – optimal power and exponential models	
II	Dimensional analysis and similarity - applications of low-complexity - applications of medium complexity- time measurement - applications of high-complexity	
III	Probability density functions – models for probability density functions – data analysis – real distribution	
IV	Motivation - linear changes - linear changes with delays - nonlinear changes -difference and differential equations	Linear stochastic changes - diffusion - Brownian motion - population dynamics.
V	Heat and Mass Transfer: Balance – Newton's laws of motion: oscillations –population ecology: growth and self-limitation – population ecology: oscillations and collapse.	PDF evolution equations - Solutions to the Fokker Plank equation.

PERCENTAGE OF SYLLABUS REVISED:20%

	Skill Development		Entrepreneurial Development
V	Employability		Innovation
	Intellectual Property Righ	nt (IPR)	





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Syllabus Revision - New Course

Faculty:

BAS

Board: Mathematics

Semester: I

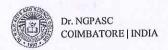
Course Code/ Name: 222MT1A1IA / BUSINESS MATHEMATICS

Unit	Existing	Changes
	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	
П	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 - Crammer'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: Skill Development

Skill Development	Entrepreneurial Development
Employability	Innovation
☐ Intellectual Property Rig	hts (IPR)





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Faculty:

BAS

Syllabus Revision Board: Mathematics

Semester: I

Course Code/ Name: 222MT1A1IC / MATHEMATICS FOR

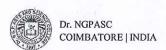
MANAGEMENT-I

Unit	Existing	Changes
I	Sets Types of sets Venn diagram Set operations- Union Intersection Complement Difference Law of algebras of sets Properties of sets Number of elements Sums involved in two sets	
II	Basic Concepts- Types of Matrices- Addition and Multiplication of Matrices- Determinants- Crammer's Rule- Inverse of a Matrix- Solution of simultaneous linear equations by Matrix method- Rank of a matrix	Basic concepts-Simple and Compound Interest-Symbols- Formulae and problems- Effective rate and Nominal rate of interest- Depreciation-Annuities-Sinking Fund- Discounting
III	Statistics- Definition- Collection of data- Primary and Secondary data- Classification and Tabulation-Diagrammatic and Graphical representation	
IV	rithmetic Mean- Geometric Mean- Harmonic Mean- Median- Mode- Advantages and disadvantages- Measures of dispersion- Meaning Range- Standard deviation- Calculation of standard deviation	
V	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	

PERCENTAGE OF SYLLABUS REVISED:20 %

COURSE FOCUS ON: Skill Development

Ľ	Skill Development	Entrepreneurial Development	
V	Employability	☐ Innovation	
	Intellectual Property Rights (If	PR)	





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13th

Syllabus Revision - New Course

Faculty:	BAS	Board: Mathematics	Semester: I
Course C	ode/ Name: 2	222MT1A1IF/MATHEMATICS FOR	COMPUTING I
PERCEN	NTAGE OF S	SYLLABUS REVISED: New Course	
COURSI	E FOCUS ON	₹:	
Skill Develo	opment	Entrepreneurial Developme	ent
Employabi	lity	☐ Innovation	
☐ Intellectua	l Property Rig	ghts (IPR)	



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13th

Syllabus Revision

Faculty:

BAS

Board: Mathematics

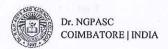
Semester: I

Course Code/ Name: 222MT1A11E/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.
П	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 interpolationNumerical solution to ordinary differential equation: Second order Rungekutta method.
Ш	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	pooled mean - Geometric Mean - Harmonic Mean. Mean deviation - Variance .
Mil. P	Median - Mode - Calculation of Mode - Merits of Mode - Demerits of Mode - Range - Quartile Deviation - Standard Deviation	
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%

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





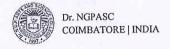
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Syllabus Revision - New Course

Faculty:	BAS	Board: Mathematics	Semester: I
Course Co	de/ Name: 222MT	1A1IP/ FUNDAMENTALS (OF MATHEMATICS WITH
MATLAB			
PERCENTA	GE OF SYLLAB	US REVISED: New Course	
COURSE F	OCUS ON:		
Skill Developm	nent	Entrepreneurial Developm	ent
☑ Employability		Innovation	
			, M. C. W. C. W. C.
☐ Intellectual Pr	operty Rights (IPR)		





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Faculty: BAS Semester: I

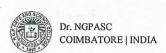
Board: Mathematics

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

Unit	Existing	Changes		
I	ப. உயிர் பெற்ற தமிழர் பாட்டு - பாரதியார் ப. படி - பாரதிதாசன் பி. போரசு நார் - தமிழ் ஒளி பி. தமிழ்க் கொலை புரியாதீர் - புலவர் குழந்தை பி. 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 -	இலக்கிய வரலாறு - மறுமலர்ச்சி கவிஞர்களின் தமிழ்ப்பணிகள் பாரததேசம் - பாரதியார் தமிழரின் பெருமை - நாமக்கல் கவிஞர் திரைத் தமிழ் : விஞ்ஞானத்த வளர்க்கப் போறண்டி – உடுமலை நாராயணகவி		
II	2. அம்மாவின் பொய்கள் - ஞானக்கூத்தன் 3. செருப்புடன் ஒருபேட்டி - 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. ஹைகூகவிதைகள் - 15 கவிதைகள்	இலக்கிய வரலாறு - புதுக்கவிதையின் தோற்றமும் வளர்ச்சியும் ஒப்பிலாத சுமுதாயம் - அப்துல் ஈகுமான் கன்னிமாடம் - மு.மேத்தா மலையானக் காற்று - சிற்பி		
III		தொலைந்து போனேன் - தாமரை தற்காத்தல் - பொன்மணி வைரமுத்து புதையுண்ட வாழ்க்கை - சுகத்தி சுப்ரமணியன்		
IV	- ந. பிச்சமூர்த்தி - ஆவலப்பித்தன் - ஆவலப்பித்தன் - ஆயகாந்தன் - கொய்ச்சமரம் - கி.ராஜநாராயணன் - நிராசை - பாமா - ஆிராசை - கி.ரோஜநாராயணன் - ஆராசால் தாத்தா - கு.வேனுகோபால்	இலக்கிய வரலாறு - சிறுகதையின் தோற்றமும் வளர்ச்சியும் கனகாம்பரம் - கு.ப.ராஜகோபாலன் ஆற்றங்கரைப் பின்ளையார் - 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, மு, 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.		

PERCEN	NTAGE OF	SYLLAB	BUS RE	VISED:
COURSI	E FOCUS	ON:		

Skill Development	Entrepreneurial Development	
Employability	Innovation	
Intellectual Property Right (IPR)		





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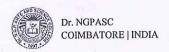
Faculty: BAS Semester: I **Board: Mathematics**

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

Unit	Existing	Changes
	गद्य – नूतन गद्य संग्रह (जय प्रकाश) पाठ 1- रजिया	
I	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	
	अनुवाद अभ्यास-III (केवल अंग्रेजी से हिन्दी में)	
V	(पाठ 1 to 10)	

25 %

Skill Development	Entrepreneurial Development	
Employability	Innovation	
Intellectual Property Right (IPR)		0





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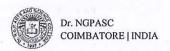
13th

Syllabus Revision

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

Jnit	_ Cala all	Existing		Changes		
	Objectifs de Communication	Tâche	Activités de réception et de production orale	, ,		
I	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. Èchanger pour entrer en contact, se présenter, saluer, s'excuser. Communiquer avec tu ou vous. Comprendre les consignes de classe Èpeler son nom et son prénom. Computer jusqu'à 10.			
	Objectifs de Communication	Tâche	Activités de réception et de production orale			W/5/(0 = 10.2.1/W - 11.2.1/W - 11.2.1/W
II	Demander de se presenter. Présenter quelqu'un.	Dans la classe de français, se presenter et remplir une tiche pour le professeur.	Comprendre les informations essenticiles dans un échange en milieu professionnel. Echanger pour se presenter et présenter quelqu'un.			
	Objectifs de Communication	Tâche	Activités de réception et de production orale	Pages, Aller	8 8 6	
ш	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.	-		
	Objectifs de Communication	Tâche	Activités de réception et de production	Domander å quelqu'un de	Organiser un	Comprendre une personne demande un service à quelqu'un.
IV	Présenter quelqu'un	Dans un café, participer à une soirée de rencontres rapides et remplir de taches d'appréciation	orale Exprimer ses goûts. Comprendre une demande laissée sur un répondeur téléphonique. Parler de ses projets de week-end.	faire quelque ' chose. Demander poliment. Parler d'actions passes.	d'activités pour accueillir une personne importante.	Ormande di sarvet e diquelgu in de faire quelque chose. Imaginer et raconte au passé à partir de situations dessinées.
	Autoévalu	ation du module l Page 40 – Préparati	on 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 ehose. Imaginer et racenter au passé à partir de situations dessinées.	Make in	Own Sente	ences
	Tu veux bien? Page 46					The William III

COURSE FOCUS ON.		
Skill Development	Entrepreneurial Development	
Employability	Innovation	
Intellectual Property Right (IPR)		





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Syllabus Revision

Fact	ultv	:BA	S
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Board:Mathematics

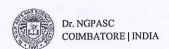
Semester: I

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%

Skill Development	Entrepreneurial Development
Employability Intellectual Property Right (IPR)	Innovation





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Syllabus Revision

Faculty: BAS

Board: Mathematics

Semester: I

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

PERCENTAGE OF SYLLABUS REVISED: 100%

1	Skill Development	1	Entrepreneurial Development
1	Employability	oentu so is	Innovation
	Intellectual Property R	ights (IPR)	



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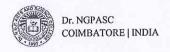
Syllabus Revision

Faculty:B.	AS
Samestere	¥

Board: Mathematics

Course Code/ Name: 223MB1A1AA - Environmental studies

Unit	Existing 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 ecosystems: 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 descritification. 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, ease 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,	
IV	social, ethical, aesthetic and Informational value. 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, eyelones 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.ease 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.
	NTAGE OF SYLLABUS REVISED: 33 % E FOCUS ON:	
	Skill Development Entrepreneuria	l Development
	Employability Innovation	





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ATTENDANCE OF THE THIRTEENTH TH BOARD OF STUDIES MEETING

Faculty: Basic and Applied Sciences

Board: Mathematics

: 05/08/2022 Date Time: 10.00 a.m. Seminar Hall 1 Venue:

S.No	Name and address	Designation	Signature
1	Dr.R.Sowrirajan Head, Department of Mathematics Dr.N.G.P.Arts and Science College, Coimbatore	Chairman	Plon
2	Dr.S.Naranamoorthy Assistant Professor Department of Mathematics Bharathiar University Coimbatore	VC Nominee	8-18/22
3	Dr. A. Ramesh babu Assistant Professor (Sr. Grade) Department of Mathematics Amritha Viswa Vidyapeetham Coimbatore	Subject expert	5 8 2
4	Dr.N. Balamani, Assistant Professor and Head, School of Physical and Computational Sciences, Avinashilingam University	Subject expert	N Balanany 05.08.23
5	Mr. L. Madhan Mohan Team Leader Software Projects Daivel Software Solutions Coimbatore	Industry expert	Absent
6	Mr. P. Vijayakumar Junior Revenue Inspector Collectorate The Nilgiris	Meritorious Alumni	Absent
7	Dr.S.Eswaramoorthi, Dept of Mathematics, Dr.N.G.P.Arts and Science College Coimbatore	Internal members	801



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Date: 05/08/2022

(Dr.R.Sowrirajan)





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