
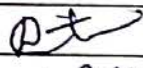
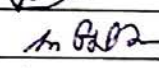
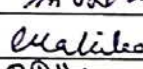
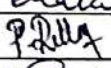
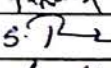
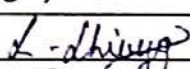
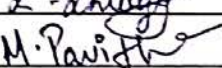

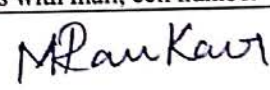


HINDUSTHAN COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)  
COIMBATORE-641028  
OFFICE OF THE CONTROLLER OF EXAMINATIONS

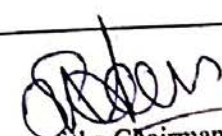
BOS Members data (2021-2024)

## Board of Studies in MATHEMATICS

Chairman	Name of the HOD : Dr.S.Anuradha 	
Members (Internal)	Name	Designation
	1 Mrs.D.Nithya	Assistant Professor 
	2 Dr.Rajarajeswari	Associate Professor 
	3 Dr.D.Mallika	Assistant Professor 
	4 Mrs.P.Rekha	Assistant Professor 
	5 Mrs.S.Renugadevi	Assistant Professor 
	6 Mrs.L.Dhivyaprabha	Assistant Professor 
7 Mrs.M.Pavithra	Assistant Professor 	
Members (External Subject experts)	Name & Designation	College Address, Mail-id & Mobile No.
	1 Dr.D.Saravanan 	Assistant Professor Department of Mathematics Chikkanna Govt Arts college, Tirupur-641602 Mail id : dsara06@gmail.com Mobile : 9489457945
2 Dr.S.Nagarajan <i>Online</i>	Associate Professor & Head Department of Mathematics Kongu Arts and Science College Erode 638 107 Mail id : profnagarajan.s@gmail.com Mobile : 9080783932	
Member (Industrial expert)	Name , Designation & Industry/Communication Address with mail, cell number	
	M.RamKumar, Area Sales Manager,Coimbatore Apex Laboratories, Tamilnadu, India Mail id : mramkumar.apex@gmail.com Mobile : 9865474843 	
Member (Alumni)	Name & Communication Address with mail, cell number	
	Manohar Borana, Senior Software Dev Engineer in Test Akamai Technologies, Bangalore Mail id : manoharborana@gmail.com Mobile : 99800522851 <i>Online</i>	
University Nominee	Dr.Jagatheshwari, Associate Professor Mathematics Division,School of Advance Scieces, VIT University,Vellore Campus,Vellore Mail id : Jaga.sripa@gmail.com Mobile : 9187720707 <i>Online</i>	

Date: 14/07/2022

Signature of the Chairman with seal

  
Dr. S. ANURADHA,  
M.Sc.,M.B.A.,M.Phil.,PGDCA.,Ph.D.,  
Professor & Head,  
PG & Research Dept. of Mathematics,  
Hindusthan College of Arts & Science,  
Coimbatore-641 028

## MINUTES OF BOARD OF STUDIES MEETING

Minutes of the Meeting of BOARD OF STUDIES held on 14.07.2022 in the Department of Mathematics through online mode.

1. The Scheme of examination of the Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) for BSc Mathematics programme for the students admitted from the academic year 2022-2023 and onwards were presented by the Board of Studies Chairman Dr.S.Anuradha. Fast Track System discussed and approved by all members
2. The Syllabi of I & II semester of the BSc Mathematics Programme for the students admitted during the academic year 2022-2023 and onwards were presented by Dr.S.Anuradha .
3. A new syllabus for the paper Calculus – I with SCILAB(22MAU01) was introduced and it was accepted by the BOS members.
4. The paper Analytical Geometry of 3D with GEOGEBRA (22MAU02) was introduced in the first semester instead of second semester to meet the latest challenges and it was accepted by the BOS members.
5. A new paper Calculus – II with SCILAB(22MAU04) was introduced and it was accepted by the BOS members.
6. The paper Differential Equations and Laplace Transform (22MAU02) was introduced in the second semester instead of third semester to meet the latest challenges and it was accepted by the BOS members.
7. Dr.D.Saravanan accepted to add the topic Multiplicative Theorems of Probability for Independent events and to remove the topics Properties of cumulants , Properties of characteristics of functions, Characteristics functions, Cumulants of the Binomial Distribution in the paper Mathematical Statistics I with LIBRE OFFICE(22MAU03).
8. Dr.S.Nagarajan accepted to remove the portion Error propagation in difference table in the paper Numerical Methods – I (22MAU08A) due to vast portion.
9. Dr.S.Nagarajan accepted to remove the topic Conditions of Equilibrium in Statics (21MAU10) ) due to vast portion..Also accepted to change the text book as the recent edition of “Statics”, by Dr. M.K. Venkataraman.
10. Dr.D.Saravanan accepted to remove the topics to finding the velocity of the projectile in magnitude and direction at the end of time “t”, Apses and apsidal distances and the law of force to the pole to find the object in the paper Dynamics (21MAU16) ) due to vast portion.

11. Dr.D.Saravanan accepted to add the topic Isomorphism of graphs and to remove the topics Degree of a vertex, Complements, Tournament in the paper Graph Theory (20MAU28A)
12. The Scheme of examination of the Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) for MSc Mathematics programme for the students admitted from the academic year 2022-2023 and onwards were presented by the Board of Studies Chairman Dr.S.Anuradha. Fast Track System in fourth semester discussed and approved by all members
13. Computational Methods(22MAP04) was introduced to meet the latest requirement in Numerical Analysis and it was accepted by the BOS members
14. Mathematical Softwares –I MATLAB (Theory - 22MAP05 & Practical – 22MAP06) were introduced to meet the latest requirement and it was accepted by the BOS members.
15. Dr.Jagatheshwari accepted to add the topic Charpit's method and to remove Solutions satisfying given condition, Jacobi's method in Partial Differential Equations with Scilab(22MAP09) to impart application oriented.
16. Dr.D.Saravanan & Dr.S.Nagarajan accepted to remove Zero-one implicit enumeration Algorithm, Solution of LPP by DPP, Multi item deterministic problem in Optimization Techniques(22MAP11) to reduce vast syllabus.
17. The theory and practical papers titled Mathematical Softwares –II was changed as Mathematical Software –II-MATHEMATICA (22MAP12 & 22MAP13).
18. BOS members accepted to change the title in PRACTICALIII: GEOGEBRA,SCILAB AND TABLEAU (21MAP21) as PRACTICALIII: GEOGEBRA, SCILAB, TABLEAU AND C++ PROGRAMMING LAB(21MAP21)
19. New Elective Papers were introduced in Semester III & IV to meet the latest requirement and it was accepted by the BOS members.
20. The Syllabi of I, II semester of UG Allied Mathematics for the students admitted during the academic year 2022-2023 and onwards were approved.

COURSE	Semester I	Semester II
BBA/BBA(CA)/ BBA Logistics	Mathematics for Management I	Mathematics for Management II
B.Sc(CS)/B.Sc(IT)/B.Sc(CT)/ BCA	Mathematics for Computing	Numerical Methods
B.Sc Computer Science (Cognitive System)	Mathematics for Computing	Numerical Methods
B.Sc(Physics)/	Mathematical Paper - I	Mathematical Paper - II
B.Sc(Electronics)	Mathematics- I	Mathematics- II
B.Sc Artificial Intelligence &	Mathematics for	Numerical Methods

Machine Learning	Computing	
B.Sc Data Science & Analytics	Foundations of Data Science I	Foundations of Data Science II
B.Sc Augmented Reality & Virtual Reality	Mathematics for Computing	Numerical Methods
B.Voc Graphics	Mathematics I	Mathematics II

21. The Syllabi of I semester of PG Allied Mathematics for the students admitted during the academic year 2021-2022 and onwards were approved.


COURSE	Semester I
MCA	Mathematical Foundation for Computer Science

22. The Syllabi of III, IV semester of UG Allied Mathematics for the students admitted during the academic year 2021-2022 and onwards were approved.

COURSE	Semester III	Semester IV
B.Sc(Bio.Tech)	Biostatistics	-
B.Sc(Micro)	-	Biostatistics and Computers(Theory)
B.Sc(Micro)	-	Biostatistics and Computers(Practical)
BCA	Operations Research	-
B.Sc Computer Science	Operations Research	-
B.Sc Computer Technology	Operations Research	-
B.Sc IT	Operations Research	-
B.Sc Computer Science (Cognitive System )	Operations Research	-
B.Com/B.Com (CA)/ B.Com (IT)/B.Com (PA)/B.Com (AF)/B.Com (BI)/B.Com (IB)/B.Com (CS)	Business Mathematics	Business Statistics

  
Signature of the Chairman

  
Co-ordinator

  
Signature of the Principal  
**PRINCIPAL**

Dr. S. ANURADHA,  
M.Sc, M.Phil, M.Tech, Ph.D.,  
Professor & Head,  
PG & Research Dept. of Mathematics,  
Hindusthan College of Arts & Science,  
Coimbatore - 641 028

Co-ordinator  
Curriculum Development Cell  
Hindusthan College of Arts & Science,  
Coimbatore-641 028.

Hindusthan College of Arts & Science (Autonomous)  
Hindusthan Gardens Behind Navindia,  
Coimbatore - 641 028.

## MINUTES OF BOARD OF STUDIES MEETING

The following resolutions were made in the BOARD OF STUDIES meeting held on 14.07.2022 in the Department of Mathematics through online mode.

1. The Syllabi of III & IV semester of the BSc Mathematics and MSc Mathematics programmes for the students admitted during the Academic year 2021-2022 and onwards were approved.
2. The Syllabi of V & VI semester of BSc Mathematics programme for the students admitted during the Academic year 2020-2021 and onwards was approved.
3. The Scheme of examination of the Choice Based Credit System (CBCS) and Learning Outcomes based Curriculum Framework (LOCF) for BSc Mathematics and MSc Mathematics programmes for the students admitted from the academic year 2022-2023 and onwards were discussed and approved.
4. The Syllabi of I & II semester of the BSc Mathematics and MSc Mathematics Programmes for the students admitted during the academic year 2022-2023 and onwards were approved.
5. The Syllabi of I, II semester of UG Allied Mathematics for the students admitted during the academic year 2022-2023 and onwards were approved.

COURSE	Semester I	Semester II
BBA/BBA(CA)/ BBA Logistics	Mathematics for Management I	Mathematics for Management II
B.Sc(CS)/B.Sc(IT)/B.Sc(CT)/ BCA	Mathematics for Computing	Numerical Methods
B.Sc Computer Science (Cognitive System)	Mathematics for Computing	Numerical Methods
B.Sc(Physics)/	Mathematical Paper - I	Mathematical Paper - II
B.Sc(Electronics)	Mathematics- I	Mathematics- II
B.Sc Artificial Intelligence & Machine Learning	Mathematics for Computing	Numerical Methods
B.Sc Data Science & Analytics	Discrete Mathematics	Numerical Methods
B.Sc Augmented Reality & Virtual Reality	Mathematics for Computing	Numerical Methods
B.Voc Graphics		

6. The Syllabi of I semester of PG Allied Mathematics for the students admitted during the academic year 2022-2023 and onwards were approved.

COURSE	Semester I
MCA	Mathematical Foundation for Computer Science

7. The Syllabi of III, IV semester of UG Allied Mathematics for the students admitted during the academic year 2021-2022 and onwards were approved.

COURSE	Semester III	Semester IV
B.Sc(Bio.Tech)	Biostatistics	-
B.Sc(Micro)	-	Biostatistics and Computers(Theory)
B.Sc(Micro)	-	Biostatistics and Computers(Practical)
BCA	Operations Research	-
B.Sc Computer Science	Operations Research	-
B.Sc Computer Technology	Operations Research	-
B.Sc IT	Operations Research	-
B.Sc Computer Science (Cognitive System )	Operations Research	-
B.Com/B.Com (CA)/ B.Com (IT)/B.Com (PA)/B.Com (AF)/B.Com (BI)/B.Com (IB)/B.Com (CS)	Business Mathematics	Business Statistics

8. Value added courses (Job Oriented Courses) were introduced as an extra credit courses for all semesters of the programmes and evaluation pattern discussed and approved.

#### B.Sc Mathematics

S.No	Subject code	Title of VAC course
1	(a)	Mathematics for Competitive Examination - I
2	(b)	Statistics for Data Analytics
3	(c)	R Programming
4	(d)	Amazon Web Services
5	(e)	Introduction to SPSS
6	(f)	Mathematics for Competitive Examination - II
7	(g)	SAS(Statistical Analysis System)
8	(h)	Big Data Analytics
9	(i)	Data Visualization Tools

#### M.Sc Mathematics

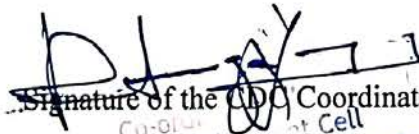
S.No	Subject code	Title of VAC course
1	(a)	Quantitative and Reasoning Skill
2	(b)	Numerical Ability
3	(c)	Statistics for Data Analytics
4	(d)	Big Data Analytics
5	(e)	SAS(Statistical Analysis System)
6	(f)	R Programming
7	(g)	Amazon Web Services

9. Aptitude / Placement training/Online courses (Job Oriented Courses) are introduced as Skill Enhancement Courses (SEC) and grades will be provided for each semester and to be approved.
10. The updation in the Programme Educational Objectives (PEOs), Programme Outcomes (POs) and Course Outcomes (COs) were discussed and approved.
11. It is resolved that there is no changes are recommended in the existing scheme of Examinations from the academic year 2020-2021 & 2021-2022 and onwards.
12. It is resolved that New DSE papers are recommended in the third and fourth semester for the MSc Mathematics students admitted during the Academic year 2021-2022 and onwards were approved. (21MAP20A - Mathematical softwares-III Introduced)
13. Additional names for the panel of question paper setters and evaluators were included and It was approved.

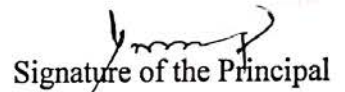


Signature of the Chairman

Dr. S. ANURADHA,  
M.Sc., M.B.A., M.Phil., PGDCA., Ph.D.,  
Professor & Head,  
PG & Research Dept. of Mathematics,  
Hindusthan College of Arts & Science,  
Coimbatore - 641 028



Signature of the CDC Coordinator  
Co-ordinator  
Curriculum Development Cell  
Hindusthan College of Arts & Science,  
Coimbatore-641 028.



Signature of the Principal

**PRINCIPAL**

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Hindusthan Gardens, Behind Nava India,  
Coimbatore - 641 028.