Department of Mathematics
Holy Cross College (Autonomous)
Nationally Re-Accredited with A+ by NAAC (CGPA 3.35-IV Cycle), Nagercoil-629004, Kanyakumari District, Tamil Nadu, India.

Minutes of the Board of Studies meeting of the Department of Mathematics held on 21.1.2020 at 9.30 AM

Ref. No. MAT/ BoS/ 2019-2020/ XIV

Members

Dr.V. M. Arul Flower Mary	– HOD and Chair person
Dr.V. Nagarajan	- University Nominee
Dr. S. Athisaya Ponmani	-Subject Expert
Dr. S. V. Ullas Chandran	-Subject Expert
Mr. L. Aloysious	- Industrialist
Ms. R. Santrin Sabibha	- Alumni

i. Ms. T. Sheeba Helen, M.Sc., M.Phil., B.Ed., -	Member
ii. Dr. M. K. Angel Jebitha, M.Sc., M.Phil., B.Ed., Ph.D., -	Member
iii. Dr. S. Sujitha, M.Sc., M.Phil., B.Ed., Ph.D., -	Member
iv. Dr. V. Sujin Flower, M.Sc., M.Phil., Ph.D., -	Member
v. Dr. J. Befija Minnie, M.Sc., B.Ed., M.Phil., Ph.D., -	Member
vi. Sr. S. Antony Mary, M.Sc., NET, SET., -	Member
vii. Dr. L. Jesmalar, M.Sc., B.Ed., M.Phil., Ph.D., SET., -	Member
viii. Ms. A. Jancy Vini, M.Sc., M.Phil., SET-	Member
ix.Ms. J.C.Mahizha, M.Sc., M.Phil., SET-	Member

x. Dr. K. Jeya Daisy, M.Sc., B.Ed., M.Phil., Ph.D., -   Member

xi. Ms. R.N. Rajalekshmi, M.Sc., B.Ed., M.Phil., SET., -   Member

xii. Ms.S. Kavitha, M.Sc., M.Phil., SET-   Member

xiii. Ms.V. Princy Kala, M.Sc., M.Phil., SET-   Member

xiv Dr.C. Jenila, M.Sc., B.Ed., M.Phil., Ph.D., -   Member

xv. Ms.V.G.Michael Florence, M.Sc., M.Phil., -   Member

xvi.Ms. J. Jenisha , M.Sc., M.Phil., -   Member

xvii Ms.G. Arockia Amala Sherly. M.Sc., B.Ed., M.Phil., -   Member

xviii Miss. J.Iswerya   —   Student Representative

xix Miss M. Monisha   -   Student representative

Agenda

1. Prayer
2. Welcome by the Chairperson
3. Reading of the minutes of the previous meeting
4. Panel of Examiners for UG and PG
5. Restructuring / Revision of curriculum for UG with PEOs, POs, PSOs and COs.
6. Revision of syllabus for UG Semester I and II
7. Restructuring / Revision of curriculum for PG with PEOs, POs, PSOs and COs.
8. Revision of syllabus for PG Semester I and II
9. Classification of New Courses
10. Classification of courses as Employability / Entrepreneurship / Skill Development
11. Classification of courses as Local / National / Regional / Global
12. Classification of courses as Crosscutting Issues Gender Equity / Environment and Sustainability / Human Values / Professional Ethics
13. Question Paper pattern for internal and external examinations
14. Recommendation of books and journals for UG and PG
15. Conduct of UG and PG practical exam during the odd and even semester
16. Conduct of seminars / workshops in collaborations with Government Agents / Universities / NGOs.
17. Suggestion for innovative teaching and evaluation techniques for UG and PG
18. Discussion on coordination of teaching, research, extension and other activities of the department
19. Feedback and action taken
20. Next meeting of BoS

21. Any other.

The meeting commenced with prayer by Sr. Antin Mary, after which the HOD introduced the Board members with warm words of welcome.

The following items in the Agenda were discussed by the members of the Board.

Item 01/BoS. 20.01/03: Reading of the minutes of the previous meeting

Dr. V. M. Arul Flower Mary read the minutes and was approved by the members.

Item 02/BoS. 20.01/04: Panel of Examiners for UG and PG

The list of panel of examiners were approved by the BOS members. Names and contact details of the examiners were presented for approval and the members of the board approved it.

Item 03/BoS. 20.01/05: Restructuring / Revision of curriculum for UG with PEOs, POs, PSOs and COs.

PEOs for the Institution-UG

PEO1. The graduates will apply the appropriate theory and scientific knowledge to participate in activities that support humanity and economic development nationally and globally, developing as leaders in their fields of expertise.

PEO2. The graduates pursue lifelong learning and continuous improvement of the knowledge and skills with the highest professional and ethical standards.

PEOs for the UG Departments

Mathematics:

PEO3:The graduates will demonstrate the ability to utilize effectively the variety of teaching techniques and class room strategies and develop confidence to appear for competitive examinations and occupy higher levels of academic and administrative fields.

B.Sc. Mathematics (PO)

PO No.	Upon completion of the B.Sc. Degree Programme, the graduates will be able to:
PO - 1	equip students with hands on training through various courses to enhance entrepreneurship skills.
PO - 2	impart communicative skills and ethical values.
PO - 3	face challenging competitive examinations that offer rewarding careers in science and education.
PO - 4	apply the acquired scientific knowledge to face day to day needs and reflect upon green initiatives to build a sustainable environment.

B.Sc. Mathematics (PSO)

PSO No.	Upon completion of the B.Sc. Degree Programme, the graduates will be able to:	PO addressed

PSO - 1	acquire a strong foundation in various branches of mathematics to formulate real life problems into mathematical models	PO 4
PSO - 2	apply the mathematical knowledge and skills to develop problem solving skills cultivating logical thinking and face competitive examinations with confidence.	PO 3, 4
PSO - 3	develop entrepreneurial skills based on ethical values, become empowered and self dependent in society.	PO 1,2
PSO - 4	enhance numerical ability and address problems in interdisciplinary areas which would help in project and field works.	PO 1
PSO - 5	pursue scientific research and develop new findings with global impact using latest technologies.	PO 4

The BOS members approved the PEOs, POs, PSOs and COs after discussion, for the Papers in Sem I and Sem II for UG programme.

Course Structure

Distribution of Hours and Credits

Course	Sem. I	Sem. II	Sem. III	Sem. IV	Sem. V	Sem. VI	Total Hours	Total Credits
Language	6 (4)	6 (4)	6 (4)	6 (4)	-	-	24	16
English	6 (4)	6 (4)	6 (4)	6 (4)	-	-	24	16
Major Core	6 (5)	6 (5)	6(4) + 5(4)	6(4) + 5(4)	6(4) + 6(4) + 6(5)	6(5) + 6(5) + 5(4) + 5 (4)	74	57
Elective	-	-	-	-	5 (4)	6 (4)	11	8

Project	-	-	-	-	5 (5)	-	5	5
Allied –Theory	4 (3)	4 (3)	5 (5)	5 (5)	-	-	18	16
Allied – Practical	2	2 (2)					4	2
AECC			2 (2)	2 (2)	-	-	4	4
SEC	2 (2)	2 (2)	-	-	2 (2)	2 (2)	8	8
NMEC	3 (2)	3 (2)	-	-	-	-	6	4
* FC – I (Values for Life)	-	(1)	-	-	-	-	-	1
* FC – II (Personality Development)				(1)				1
* FC - III (HRE)	-	-	-	-	(1)	-	-	1
* FC - IV (GS-Gender Studies)	-	-	-	-	-	(1)	-	1
* SDP – Certificate Course	-	(1)	-	-	-	-	-	1
* SLP – Extension Activity UBA(Compulsory Community Engagement Course)	-	(1)	(1)	-	-	-	-	2
* SLP – Extension	-	-	-	(1)	-	-	-	1

Activity (RUN)								
* STP - Clubs & Committees / NSS	-	-	-	(1)	-	-	-	1
Total	30 (20)	30 (25)	30 (24)	30 (26)	30 (25)	30 (25)	180	140 + 5

Total Number of Hours= 180

Total Number of Credits=140+5

*Courses / Programmes conducted outside the regular working hours

Courses Offered

Semester	Course	Course Code	Title of the Course	Hours/ Week	Credits
I	Part I	TL2011 FL2011	Language:Tamil / French	6	4
	Part II	GE2012/ GE2111	General English	6	4
	Part III	MC2011	Major Core I: Differential Calculus and Trigonometry.	6	4
		MA2011	Allied I: Algebra and Calculus (for Physics and Chemistry)	6	4
	Part IV	APS201	Add-on Course : Professional English for Physical Sciences I	2	2
		MNM201	Non Major Elective Course (NME): Quantitative Aptitude - 1	2	2
		SEC201/ SEC202	Skill Enhancement Course (SEC):Meditation and Exercise / Computer Literacy	2	2
		FCV201	Foundation Course I:Values for Life	-	-

		Part V	STP201	Student Training Programme (STP): Clubs & Committees / NSS	-	-
II		Part I	TL2021 FL2021	LanguageTamil French	6	4
		Part II	GE2022 / GE2121	General English	6	4
		Part III	MC2021	Major Core II: Classical Algebra and Integral Calculus	6	4
			MA2021	Allied II: Vector Calculus and Differential Equations (for Physics and Chemistry)	6	4
		Part IV	APS202	Add-on Course - Professional English for Physical Sciences II	2	2
			MNM202	Non Major Elective Course (NME):Quantitative Aptitude II	2	2
			SEC201/ SEC202	Skill Enhancement Course (SEC):Meditation and Exercise / Computer Literacy	2	2
		Part V	FCV201	Foundation Course I - Values for Life	-	1
			SLP201	Service Learning Programme(SLP): Community Engagement Course	-	-
			STP201	Student Training Programme (STP): Clubs & Committees / NSS	-	-

Item 04/BoS. 20.01/06: Revision of syllabus for UG Semester I and II

The following courses during the I and II semesters are revised/ modified based on the feedback from the students & Alumni.

Sl.No.	Semester	Course Code	Paper Title	Changes	
				Removed (if any)	Addition (if any)
1.	I	MC2011	Major Core I:Differential	Nil	Nil

			Calculus and Trignometry		
2.		MA2011	Allied I: Algebra and Calculus(for physics and chemistry)	Nil	Only simple problems must be included in unit V
3.		MNM201	(NMEC): Quantitative Aptitude -I	Numbers, H.C.F and L.C.M of numbers, Decimal Fraction, Square root and Cube root	Percentage, Profit and Loss, Ratio and proportion, Partnership, Chain Rule.
4.	II	MC2021	Major Core II: Classical Algebra and Integral Calculus	Descarte's rule of signs and Rolle's theorem.	Horner's Method
5.		MA2021	Allied II Vector Calculus and Differential Equations(for physics and chemistry)	Solutions of Simultaneous equations using Laplace transform in unit V	Statements of Green's and Stoke's theorems with related problems in unit II
6.		MNM202	(NMEC): Quantitative Aptitude -II	Problems on Numbers, Problems on ages, Surds and Indices, Ratio and Proportion	Problems on Trains, Compound Interest, Logarithms, Area

New papers introduced for NMEC students.

I Semester: Quantitative Aptitude -I

II Semester: Quantitative Aptitude -II

Item 05/BoS. 20.01/07: Restructuring / Revision of curriculum for PG with PEOs, POs, PSOs and COs.

PEOs for the Institution-PG

PEO1: The graduates use scientific and computational technology to solve social issues and pursue research.

PEO2:. Our graduates will continue to learn and advance their careers in industry both in public and private sectors, government and academia .

PEOs for the PG Departments

Mathematics:

PEO3: Our graduates will have the ability to apply analytical and theoretical skills to model and solve mathematical problems and work as efficient professionals.

M.Sc. Mathematics (PO)

PO No.	Upon completion of M.Sc. Degree Programme, the graduates will be able to :
PO - 1	prepare successful professionals in industry, government, academia, research, entrepreneurial pursuits and consulting firms.
PO - 2	face and succeed in high level competitive examinations like NET, GATE and TOFEL.
PO - 3	carry out internship programmes and research projects to develop scientific skills and innovative ideas.
PO - 4	utilize the obtained scientific knowledge to create eco-friendly environment.

M.Sc. Mathematics (PSO)

PSO No.	Upon completion of the M.Sc. Degree Programme, the graduates will be able to:	PO addressed
PSO - 1	utilize the knowledge gained for entrepreneurial pursuits.	PO 1
PSO - 2	sharpen their analytical thinking, logical deductions and rigour in reasoning.	PO 2
PSO - 3	use the techniques, skills and modern technology necessary to communicate effectively with professional and ethical responsibilities.	PO 3
PSO - 4	Understand the applications of mathematics ina global economic environmental and societal context.	PO 4

The BOS members approved the PEOs, POs, PSOs and COs after discussion, for the Papers in Sem I and Sem II for PG programme.

Course Structure

Distribution of Hours and Credits

Course	Sem. I	Sem. II	Summer vacation	Sem. III	Sem. IV	Total	
						Hours	Credit

Core – Theory	6 (5)+ 6 (4) + 6 (4) + 6 (4)	6 (5)+ 6 (4) + 6 (4) + 6 (4)	-	6 (5) + 6 (5) + 6 (4)	6 (5) + 6 (5) + 6 (5) + 6 (4)	90	67
Elective	6 (4)	6 (4)	-	6 (4)	6 (4)	24	16
Project	-	-	-	6 (4)	-	6	4
*Life Skill Training - I	-	(1)	-	-	-	-	1
*Life Skill Training - II	-	-	-	-	(1)	-	1
*Summer Training Programme	-	-	(1)		-	-	1
Community Engagement Course			(2)				2
TOTAL	30 (21)	30 (22)	(1)+(2)	30 (22)	30 (24)	120	92

* Courses / Programmes conducted outside the regular working hours

Courses Offered

Semester	Course code	Title of the paper	Hours/week	Credits
I	PM2011	Core I - Algebra I	6	5
	PM2012	Core II - Analysis I	6	4
	PM2013	Core III - Probability and Statistics	6	4
	PM2014	Core IV - Ordinary Differential Equations	6	4
	PM2015 PM2016	Elective I - (a) **Numerical Analysis** (b) Fuzzy sets and Fuzzy logic	6	4
	LST201	Life Skill Training (LST) - I	-	-
II	PM2021	Core V- Modules and Vector Spaces	6	5
	PM2022	Core VI - Analysis II	6	5

PM2023	Core VII - Partial Differential Equations	6	4
PM2024	Core VIII - Graph Theory	6	4
PM2025 PM2026	Elective II - (a) **Classical Dynamics** 　　　　　　 (b) Differential Geometry	6	4
LST201	Life Skill Training (LST) - I	-	1
SLP201	Community Engagement Course	-	-

Item 06/BoS. 20.01/08:: Revision of syllabus for PG Semester I and II

The following courses during the I and II semesters are revised/ modified based on the feedback from the students & Alumni.

Sl.No.	Semester	Paper Code	Paper Title	Changes	
				Removed (if any)	Addition (if any)
1.	I	PM2011	Core I - Algebra I	Nil	(i) Cayley's Theorem and its Application (in Unit I) (ii) A particular Euclidean Ring and Fermat's Theorem (in Unit IV) (iii) The Division Algorithm (in UnitV)
2.		PM2012	Core II - Analysis I	Nil	Nil
3.		PM2013	Core III - Probability and Statistics	Extension of change of variable technique - Distributions of order statistics – Moment generating function technique - Distributions of $\bar{x}$ and nS^2/σ^2-	Estimation-Point Estimation-Measures of quality of Estimators-Confidence Intervals for Means-Confidence intervals for difference of

				Expectations of functions of random variables. (in Unit IV)	Means-Confidence intervals for Variances. (in Unit V)
4.		PM2014	Core IV - Ordinary Differential Equations	Boundary value problems: Introduction - Sturm Liuville problem - Green's functions - Non existence of solutions. (in Unit V)	Legendre polynomials, properties of Legendre polynomials, Bessel's functions, The Gamma functions, Properties of Bessel Functions. (in Unit IV)
5.		PM2015 PM2016	Elective I - (a) **Numerical Analysis**	Iteration Method and Newton Raphson method (in Unit I), Finite, Forward, Backward, Central Differences, Difference Tables, Detection of Errors using Difference Tables (in Unit II)	Ramanujan's Method (in Unit I),Practical Interpolation (in Unit II), Least squares and Fourier Transforms - Introduction - Least squares Curve Fitting Procedure - Fitting a straight line - Multiple Linear Least squares - Linearization of Nonlinear laws - Curve fitting by Polynomials. (in Unit III), Triangular Matrices and decomposition of Matrices (in Unit IV)
			(b) Fuzzy sets and	Nil	Nil

			Fuzzy logic		
6.	II	PM2021	Core V- Modules and Vector Spaces.	Invariant subspaces - Triangulable linear operator - Cyclic subspaces - T-annihilator - Projection. (in Unit IV) Fields: Algebraic extensions - Roots of polynomials - Splitting fields. (in Unit V)	Introduction to Module Theory: Basic definitions and examples, Quotient modules and module homomorphisms, Generation of Modules, Direct sums and Free Modules (in Unit I) Characteristic Roots, Matrices and Canonical Forms (50 % of UnitIII) Canonical Forms: A Decomposition of V: Jordan Form, Canonical Forms: Rational Canonical Form, Trace and Transpose (in Unit IV) Determinants, Hermitian, Unitary and Normal Transformations, Real Quadratic forms. (in Unit V)
7.		PM2022	Core VI - Analysis II	Nil	Nil
8.		PM2023	Core VII - Partial Differential Equations	Special methods of solutions applicable to certain standard forms - Standard	Classification of Partial Differential equations of second order -

				form I, II, IIII, IV - Jacobi's method for solving non linear first Order Partial Differential Equations in Two independent variables - Cauchy's method of Characteristics for solving non linear first Order Partial Differential Equations. (in Unit II)	Classification of P.D.E. in three independent variables – Cauchy's problem for a second order P.D.E. Characteristic equation and Characteristic curves of the second order P.D.E. – Laplace transformation. Reduction to Canonical (or normal) forms. (in Unit IV)
9.		PM2024	Core VIII - Graph Theory	Ramsey Number and Turin's Theorem (in Unit V)	Domination Number (in Unit V)
10.		PM2025 PM2026	Elective II - (a) **Classical Dynamics** (b) Differential Geometry	Nil Nil	Nil Nil

Item 07/BoS. 20.01/09:: Classification of New Courses

UG Courses

Sem	Course Code	Name of the Course	New Courses
I	MC2011	Differential Calculus and Trigonometry	-
I	MA2011	Allied I - Algebra and Calculus (for Physics and Chemistry)	-
I	MNM201	Mathematics for life - I(NMEC)	✓
II	MC2021	Classical Algebra and Integral Calculus	-
II	MA2021	Allied I – Vector Calculus and	-

		Differential Equations	
II	MNM202	NMEC - Mathematics for life – II	✓

PG Courses

Sem	Course Code	Name of the Course	New Courses
I	PM2011	Algebra I	✓
I	PM2012	Analysis I	-
I	PM2013	Probability and Statistics	✓
I	PM2014	Ordinary Differential Equations	✓
I	PM2015	Numerical Analysis	✓
II	PM2021	Modules and Vector Spaces	✓
II	PM2022	Analysis II	-
II	PM2023	Partial Differential Equations	✓
II	PM2024	Graph Theory	✓
II	PM2025	Classical Dynamics	-

Item 08/BoS. 20.01/10:: Classification of courses as Employability / Entrepreneurship / Skill Development

UG Courses

Sem	Course Code	Name of the Course	Skill development
I	MC2011	Differential Calculus and Trigonometry	✓
I	MA2011	Allied I - Algebra and Calculus (for Physics and Chemistry)	✓
I	MNM201	Mathematics for life - I(NMEC)	✓
II	MC2021	Classical Algebra and Integral Calculus	✓

Sem	Course Code	Name of the Course		
II	MA2021	Allied I – Vector Calculus and Differential Equations		✓
II	MNM202	NMEC - Mathematics for life – II		✓

PG Courses

Sem	Course Code	Name of the Course	Employability	Entrepre neurship	Skill development
I	PM2011	Algebra I	-	-	✓
I	PM2012	Analysis I	-	-	✓
I	PM2013	Probability and Statistics	✓	-	✓
I	PM2014	Ordinary Differential Equations	✓	-	✓
I	PM2015	Numerical Analysis	-	✓	✓
II	PM2021	Modules and Vector Spaces	-	-	✓
II	PM2022	Analysis II	-	-	✓
II	PM2023	Partial Differential Equations	✓	-	✓
II	PM2024	Graph Theory	✓	-	✓
II	PM2025	Classical Dynamics	✓	-	✓

Item 09/BoS. 20.01/11: Classification of courses as Local / National / Regional / Global

The members of the Board classified the UG courses in the new structure based on Local / National / Regional / Global

UG Courses

Sem	Course Code	Name of the Course	National	Regional
I	MC2011	Differential Calculus and Trigonometry	✓	-
I	MA2011	Allied I - Algebra and Calculus (for Physics and Chemistry)	✓	-

I	MNM201	Mathematics for life - I(NMEC)	-	✓
II	MC2021	Classical Algebra and Integral Calculus	✓	-
II	MA2021	Allied I – Vector Calculus and Differential Equations	✓	-
II	MNM202	NMEC - Mathematics for life – II	-	✓

The members of the Board classified the PG courses in the new structure based on Local / National / Regional / Global

PG Courses

Sem	Course Code	Name of the Course	Global
I	PM2011	Algebra I	✓
I	PM2012	Analysis I	✓
I	PM2013	Probability and Statistics	✓
I	PM2014	Ordinary Differential Equations	✓
I	PM2015	Numerical Analysis	✓
II	PM2021	Modules and Vector Spaces	✓
II	PM2022	Analysis II	✓
II	PM2023	Partial Differential Equations	✓
II	PM2024	Graph Theory	✓
II	PM2025	Classical Dynamics	✓

Item 11/BoS. 20.01/13: Question Paper pattern for internal and external examinations

UG Courses

For B.Sc. Mathematics major(Core) and allied :Internal: External 30:70

Part A- 10x1=10 marks (Objective type)

Part B- 5x 4=20 marks (Internal Choice) – one question should be of application type and another will be of analysis type.

Part C- 5x8=40 (Internal Choice) – 0ne question should be of application type and another will be of analysis type

The question pattern is not applicable for the following papers:

(i) NMEC I

(ii) NMEC II

Question paper pattern for CIA(including test, assignment, Quiz, any other mode of CIA) and external examinations for UG programme (Internal : External 30:70)

Marks allotted for Continuous Internal Assesment for UG:

Test: 15 marks Assessment: 15 marks

Assessment: Quiz (2) - 4 marks; Home Assignment(1): 5 Marks; ; Class test(3) – 6 marks.

PG Courses

For M.Sc. Mathematics major(Core):Internal: External 40:60

Part A- 10x1=10 marks (Objective type)

Part B- 5x 3=15 marks (Internal Choice) – one question should be of application type and another will be of analysis type.

Part C- 5x7=35 (Internal Choice) – 0ne question should be of application type and another will be of analysis type

Question paper pattern for CIA(including test, assignment, Quiz, any other mode of CIA) and external examinations for PG programme (Internal : External 40:60)

Marks allotted for Continuous Internal Assesment for PG:

Test:20 marks Assessment: 20 marks

Assessment: Quiz (2) - 4 marks; Seminar (1) – 4 marks Online Home Assignment(1): 4 Marks; ; Problem Solving – 4 marks. Class Test -4 marks

Item 12/BoS. 20.01/14: Recommendation of books and journals for UG and PG

Text Book for PG: (i) Topics in Algebra by I.N. Herstein

(ii) Abstract Algebra by David .S. Dummit, Richard .M. Foote.

Item 14/BoS. 20.01/16: Conduct of seminars / workshops in collaborations with Government Agents / Universities / NGOs.

The number of seminars, Conference conducted during the academic year 2019-2020

was found to be satisfactory and sufficient for Mathematics

Item 15/BoS. 20.01/17: Suggestion for innovative teaching and evaluation techniques for UG and PG

1. Teaching using latest technology
2. Organize regular workshops and seminars to study real-world applications of mathematical principles

Item 16/BoS. 20.01/18: Discussion on coordination of teaching, research, extension and other activities of the department

1. To publish and present more research papers
2. To apply for more projects in future

Item 17 /BoS. 20.01/19: Feedback Received and Action Taken

Feedback Received

Students appreciate interactive learning methods, such as group activities and multimedia resources, which make the subject more engaging.

Providing context for the practical application of mathematical concepts

Some students may request additional support or resources for topics they find particularly challenging.

Action Taken

Have introduced optional supplementary materials for struggling students and advanced challenges for those finding the curriculum too easy.

Have expanded interactive learning methods and incorporated real-world examples.

A peer tutoring program and extra resources have been made available for students needing additional support in specific areas..

Sl.No	Student Representative	Feedback Received	Action Taken	Signature
1	Miss J. Iswerya	Incorporate more interactive learning methods	Implemented gamified learning modules and, fostering interactive and experiential learning environments.	*J.Iswarya*
2	Miss M. Monisha	Importance can be given for skill development	hands-on workshops to enhance skill acquisition	*M. Monisha*
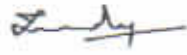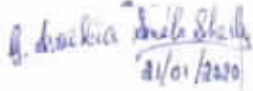
Item 18/BoS 20.01/20: Next Meeting of the BOS

The members of the board suggested to have the next meeting of BOS in August 2nd week, 2020.

The meeting came to an end with the vote of thanks by the HOD, the Chairperson of the BOS at 3. 30 pm.

Name of the Members	Designation	Signature
Dr.V. M. Arul Flower Mary, M.Sc., M.Phil., Ph.D., - **Chair Person**	Associate Professor and Head, Department of Mathematics , Holy Cross College (Autonomous), Nagercoil. arulflowermary@holycrossngl.edu.in	*V.M Arul Flower Mary*
Dr.V. NagarajanM.Sc., M.Phil., Ph.D., - **University nominee**	Assistant Professor in Mathematics, S.T.Hindu College, Nagercoil. 629001. Mobile no. 9486954966 sthcrajan@gmail.com	*V.Nagarajan*

Dr.Athisaya Ponmani M.Sc., M.Phil., Ph.D., -**Subject Expert**	Associate Professor of Mathematics, JayarajAnnapackiam College for Women, Periakulam, Theni District- 625601. Mobile no. 8610645665. athisayaponmani@yahoo.com	
Dr.S.V. Ullas ChandranM.Sc., M.Phil., Ph.D., -**Subject Expert**	Assistant Professor in Mathematics, Mahatma Gandhi College, Pattam P.O, Thiruvananthapuram -695004 Mobile no. 08891711284 svuc.math@gmail.com	
Mr.L. Aloysius MCA, M.Com, B.Ed - **Industrialist**	Director, St.Xavier's Academy Nagercoil Mobile no. 8012387919 aloysiuslj@gmail.com	
Miss. R. Santrin Sabibha - **Alumnae**	-	
Dr. T. Sheeba Helen, M.Sc., M.Phil., B.Ed., Ph.D.,	Assistant Professor in Mathematics, Department of Mathematics, Holy Cross College (Autonomous), Nagercoil.	
Dr. M. K. Angel Jebitha, M.Sc., M.Phil., B.Ed., Ph.D.,	"	
Dr. S. Sujitha, M.Sc., M.Phil., B.Ed., Ph.D.,	"	
Dr. V. Sujin Flower, M.Sc., M.Phil., Ph.D.,	"	
Dr. J. Befija Minnie, M.Sc., B.Ed., M.Phil., Ph.D.,	"	
Sr. S. Antony Mary, M.Sc., NET, SET.,	"	

Dr. L. Jesmalar, M.Sc., B.Ed., M.Phil., Ph.D., SET.,	"	*(signature)*
Dr. A. JancyVini, M.Sc., M.Phil., SET.,Ph.D.,	"	*(signature)* A. Jany vini.
Ms.J.C.Mahizha, M.Sc., M.Phil., SET	"	*(signature)* Mahizha
Dr. K. Jeya Daisy, M.Sc., B.Ed., M.Phil., Ph.D.,	"	*(signature)* K.JeyaDaisy
Ms. J. Anne Mary Leema, M.Sc., B.Ed., SET.,	"	*(signature)* J. Anne Mary Leema
Ms. R.N. Rajalekshmi, M.Sc., B.Ed., M.Phil., SET.,	"	*(signature)* R N.Rajalekshmi
Dr .S. Kavitha, M.Sc., M.Phil., SET.,Ph.D.,	"	*(signature)* Shanuthe
Ms.V. Princy Kala, M.Sc., M.Phil., SET	"	*(signature)*
Dr.C.Jenila, M.Sc., B.Ed., M.Phil., Ph.D.,	"	*(signature)*
Ms.V.G.Michael Florence, M.Sc., M.Phil.,		*(signature)* Flora
Ms.C. JoselinJenisha , M.Sc., B.Ed., M.Phil., SET.,		*(signature)* soslin
Ms.G. Arockia Amala Sherly. M.Sc., B.Ed., M.Phil		*(signature)* G. Arockia Amala Sherly 21/01/2020