

DEPARTMENT OF MATHEMATICS
MINUTES OF THE 18TH MEETING OF THE BOARD OF STUDIES
HELD ON 24TH JUNE, 2023.

The 18th Meeting of the Board of Studies (BoS) of the Mathematics Department was held on 24 June, 2023 in which the following members were present:

1. Dr. Y. S. Irine Sheela, Head of the Department - Chairperson.
2. Dr. S. Chandra Kumar
3. Dr. E. GiftinVedha Merly
4. Dr. P. Anto Paulin Brinto
5. Dr. P. Jaya Mary
6. Dr. K. Sunitha
7. Dr. R. Ajitha
8. Dr. K. Lal Gipson
10. Dr. J. Ajitha Fancy
11. Dr. T. Binu Selin
12. Dr. D. S. Dilip Subject expert-1 (from outside the parent university)
13. Mr. G. Paul Bright Representative (from industry/corporate sector/allied area relating to placement)
14. Dr.S. Sujith Postgraduate meritorious alumnus

The meeting of the Board of Studies of the Mathematics Department was held at 10 am on 24 June, 2023 in the Mathematics Department Research Room.

In the beginning, the Chairperson introduced and welcomed the members. The Chairperson also acknowledged and appreciated the significant contributions of the outgoing members.

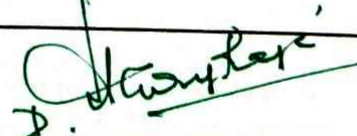
Thereafter, the agendas were taken up for discussion.

YS Irine
Dr. Y. S. IRINE SHEELA M.Sc., M.Phil., PGDCA, Ph.D.
Vice - Principal and Head
Postgraduate and Research Centre
Department of Mathematics
Scott Christian College (Autonomous)
Nagercoil.

Henry Raja
DR. HENRY RAJA
PRINCIPAL I/c
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
NAGERCOIL - 629 003

Minute No.	Minutes												
1.	<p>Confirmation of the Minutes of the 17th BoS meeting held on 27.07.2022</p> <p>Member Secretary Dr. Y. S. Irine Sheela read the minutes of 17th BoS meeting held on 27.07.2022 and the minutes were confirmed.</p>												
2.	<p>Action Taken Report on the Minutes of the 17th BoS meeting.</p> <p>The members of BoS carefully perused the "Action Taken Report (ATR)" presented by the Chair Person Dr. Y.S.Irine Sheela and expressed their satisfaction and appreciation.</p>												
3.	<p>Review of Academic and Administrative Audit (AAA) Report 2020-21.</p> <p>The Chair Person Dr. Y.S. Irine Sheela presented the AAA report criteria-wise and the members of BoS carefully reviewed the AAA report and proposed the following suggestions for improvement. a) To encourage the researchers to publish research articles in Scopus journals or in UGC care journals.</p>												
4.	<p>Review of Feedback Report on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni.</p> <p>a) Parent – Teachers meeting should be organized once in a year to a relationship between their parents and inform the students academic program. b) Remedial coaching classes should be arranged for slow learners and make the students to get interest in their studies. c) To modify the syllabus, if the students feel that the syllabus is not able to follow.</p>												
5.	<p>Introduction of new courses from the academic year 2023-'24.</p> <p>Dr. Y.S. Irine Sheela proposed the introduction of the following NEW course(s) in the curriculum of B.Sc./M.Sc. Mathematics from the academic year 2023-'24.</p> <p>1. Foundation Course with local/regional/national/global relevance</p> <table border="1" data-bbox="288 1330 1410 1570"> <thead> <tr> <th data-bbox="288 1330 603 1480">Name of the Course</th> <th data-bbox="603 1330 791 1480">Course Code</th> <th data-bbox="791 1330 1410 1480">Relevance to local, national, regional and global development needs</th> </tr> </thead> <tbody> <tr> <td data-bbox="288 1480 603 1563">Bridge Mathematics</td> <td data-bbox="603 1480 791 1563">23GMF1</td> <td data-bbox="791 1480 1410 1563">National</td> </tr> </tbody> </table> <p>2. Courses for employability/entrepreneurship/skill development</p> <table border="1" data-bbox="288 1630 1390 1823"> <thead> <tr> <th data-bbox="288 1630 587 1823">Name of the Course</th> <th data-bbox="587 1630 836 1823">Course Code</th> <th data-bbox="836 1630 1390 1823">Activities/Content with direct bearing on Employability/Entrepreneurship/Skill development</th> </tr> </thead> <tbody> <tr> <td data-bbox="288 1823 587 1823"></td> <td data-bbox="587 1823 836 1823"></td> <td data-bbox="836 1823 1390 1823"></td> </tr> </tbody> </table>	Name of the Course	Course Code	Relevance to local, national, regional and global development needs	Bridge Mathematics	23GMF1	National	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/Entrepreneurship/Skill development			
Name of the Course	Course Code	Relevance to local, national, regional and global development needs											
Bridge Mathematics	23GMF1	National											
Name of the Course	Course Code	Activities/Content with direct bearing on Employability/Entrepreneurship/Skill development											

Y.S. Irine Sheela
Dr. Y. S. IRINE SHEELA M.Sc., M.Phil., PGDCA, Ph.D
Vice - Principal and Head
Postgraduate and Research Centre
Department of Mathematics
Scott Christian College (Autonomous)
Nagercoil.


D.D. HENRY RAJA
PRINCIPAL I/c
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
NAGERCOIL-629 003

Mathematics for Competitive Examination-1	23GHS1	Skill development
3. Value –added courses for imparting transferable and life skills		
Name of the course	Course Code	Transferable and life skill development
Numerical Aptitude		Life skill development

Suggestions and recommendations for changes in UG Mathematics syllabus 2023-24

Following are observations/suggestions/recommendations to be followed in each semester :

S. No	Semester	Name of the paper	Observations/Suggestions/recommendations	
1.	I	Core paper I –Algebra and Trigonometry	Contents of Unit II was shifted to Unit I. Contents of Unit V was shifted to Unit II. The summation using differences and A.P method are removed. Contents of Unit III& IV is deleted and introduced matrix theory and expansion of trigonometric functions. Contents of Unit IV is shifted to Unit V.	35% replaced
2.	I	Core paper II – Differential Calculus	Contents of Unit I was shifted to Unit V. Contents of Unit II was deleted and introduced partial differentiation. Contents of Unit III was deleted and introduced partial differentiation(Continued). Contents of Unit IV was deleted and introduced envelope. Introduced successive differentiation for Unit I.	80% replaced
3.	I	SEC I-Mathematics for Competitive Examination-I	Contents of 20GMS2-Skill based III-Verbal Reasoning shifted to SEC I	Old Course
4.	I	Foundation Course – Bridge Mathematics		New Course
5.		Allied Mathematics-I- Physics&Chemistry	Contents of Unit III is shifted to Unit II. Contents of Unit II was deleted and	20% replaced

Y. S. Thirine Sheela
Dr. Y. S. THIRINE SHEELA B.Sc., M.Phil., PGDCA, Ph.D
 Vice - Principal and Head
 Postgraduate and Research Centre
 Department of Mathematics
 Scott Christian College (Autonomous)
 Nagercoil.

Dr. D. Henry Raja
Dr. D. HENRY RAJA
 PRINCIPAL I/c
 SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
 NAGERCOIL-629 003

			content of Unit III is shifted to Unit II. The concept of theory of equations introduced in Unit I. Contents of Unit I was shifted to Unit III.	
--	--	--	---	--

Suggestions and recommendations for changes in PG Mathematical syllabus 2023-24

Following are the observations/ suggestions/recommendations

S. No.	Semester	Name of the paper	Observations/suggestions/recommendations	% of content to be added/replaced
1.	I	Core paper I - Algebraic Structures	Contents of Unit III was shifted to Unit I. Contents of Unit II was replaced by Solvable groups. Contents of Unit III was replaced by Linear transformation. Contents of Unit IV was replaced by Jordan form. Contents of Unit V was replaced by Trace and transpose.	80% replaced
2.	I	Core Paper II - Real Analysis I	Contents of Unit I was replaced by functions of bounded variation. Contents of Unit II is replaced by -The Riemann-Stieltjes Integral . Contents of Unit III is replaced by -The Riemann Stieltjes Integral(Contin..). Contents of Unit IV was replaced by Infinite series and infinite products and power series. Contents of Unit II and Unit III shifted to Unit V.	60% replaced
3.	I	Core Paper III - Ordinary Differential Equations	Contents of Unit I was replaced by Linear equation with constant coefficients. Contents of Unit II was replaced by solution of homogeneous and non homogeneous equation of order n. Contents of Unit I shifted to Unit III. Contents of Unit III and Unit IV combined and shifted to Unit IV. Contents of Unit V was added with Exact solution and Lipschitz condition.	60% replaced
4.	I	Elective I- 1. Number Theory And Cryptography 2. Graph theory and its applications	1. New Course 2. Old Course	

Y.S. Sheela

Dr. Y. S. IRINE SHEELA M.Sc., M.Phil., PGDCA, Ph.D.
Vice - Principal and Head
Postgraduate and Research Centre
Department of Mathematics
Scott Christian College (Autonomous)
Nagercoil.


Henry Raja
D. D. HENRY RAJA
PRINCIPAL i/c
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
NAGERCOIL - 629 003

		3. Formal Language and Automata theory 4. Programming in C++ and Numerical Methods	3. Old Course 4. New Course	
5.	I	Elective II– 1. Lie Groups and Lie Algebra 2. Mathematical Programming 3. Fuzzy sets and their applications 4. Combinatorial Mathematics	1. New Course 2. New Course 3. New Course 4. Old Course	

DEPARTMENT OF MATHEMATICS

LIST OF BOARD OF STUDIES MEMBERS

S.No.	Name	Designation	Role
1.	Dr. Y. S. Irine Sheela	Head of the Department, Department of Mathematics & Research Centre, Scott Christian College (Autonomous), Nagercoil. irinesheela@gmail.com 9442390257	Chairman
2.	Dr. S. Chandra Kumar	Associate Professor, Department of Mathematics & Research Centre, Scott Christian College (Autonomous), Nagercoil. kumar.chandra82@yahoo.in 9442579723	Member
3.	Dr. V. Rani Ratha Bai	Associate Professor, Department of Mathematics & Research Centre, Scott Christian College (Autonomous), Nagercoil.	Member


Dr. Y. S. IRINE SHEELA B.Sc., B.Phil., PGDCA, Ph.D.
Vice - Principal and Head
Postgraduate and Research Centre
Department of Mathematics
Scott Christian College (Autonomous)
Nagercoil.


Dr. D. HENRY RAJA
PRINCIPAL I/c
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
NAGERCOIL-629 003

		raniruban66@gmail.com 9442476032	
4.	Dr. E. Giftin Vedha Bai	Assistant Professor, Department of Mathematics & Research Centre, Scott Christian College (Autonomous), Nagercoil. giftinmerly@gmail.com 9790291305	Member
5.	Dr. P. Anto Paulin Brinto	Assistant Professor, Department of Mathematics & Research Centre, Scott Christian College (Autonomous), Nagercoil. antopaulin@gmail.com 9486011599	Member
6.	Dr. P. Jaya Mary	Assistant Professor, Department of Mathematics & Research Centre, Scott Christian College (Autonomous), Nagercoil. jayamary1986@gmail.com 9600305063	Member
7.	Dr. K. Sunitha	Assistant Professor, Department of Mathematics & Research Centre, Scott Christian College (Autonomous), Nagercoil. ksunithasam@gmail.com 9486855800	Member
8.	Dr. R. Ajitha	Assistant Professor, Department of Mathematics & Research Centre, Scott Christian College (Autonomous), Nagercoil. sujalin88@gmail.com 9486771686	Member

YS Sheela

Dr. Y. S. IRINE SHEELA M.Sc., M.Phil., PGDCA, Ph.D.
Vice - Principal and Head
Postgraduate and Research Centre
Department of Mathematics
Scott Christian College (Autonomous)
Nagercoil.

Dr. Henry Raja

Dr. D. HENRY RAJA
PRINCIPAL i/c
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
NAGERCOIL - 629 003

9.	Dr. K. Lal Gipson	Assistant Professor, Department of Mathematics & Research Centre, Scott Christian College (Autonomous), Nagercoil. lalgipson@yahoo.com 9487422284	Member
10.	Dr. J. Ajitha Fancy	Assistant Professor, Department of Mathematics & Research Centre, Scott Christian College (Autonomous), Nagercoil. ajithafancy@gmail.com 7598013725	Member
11.	Dr. T. Binu Selin	Assistant Professor, Department of Mathematics & Research Centre, Scott Christian College (Autonomous), Nagercoil. binuselin@gmail.com 8870100931	Member
12.	Dr. D. S. Dilip	Assistant Professor, Department of Mathematics, St. John's College, Anchal-691306, Kollam Dist., Kerala. dsdilipmaths@gmail.com 8111907170	Subject expert-1 (from outside the parent university)
13.	Dr. G. Suresh Singh	Professor and Head, Department of Mathematics, University of Kerala, Thiruvananthapuram. gsureshsingh65@gmail.com 9447471455	Subject expert-2 (from outside the parent university)
14.	Dr. S. Monikandan	Professor & Head, Department of Mathematics, Manonmanium Sundaranar University, Tirunelveli-627012. monikandans@gmail.com 9629597171	Subject expert (Nominated by the VC)

Ys. Sheela
Dr. Y. S. IRINE SHEELA M.Sc., M.Phil., PGDCA, Ph.D.
 Vice - Principal and Head
 Postgraduate and Research Centre
 Department of Mathematics
 Scott Christian College (Autonomous)
 Nagercoil.

D. Henry Raja
Dr. D. HENRY RAJA
 PRINCIPAL I/c
 SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
 NAGERCOIL-629 003

15.	Mr. G. Paul Bright	Founder and Chairman SWIS group of Schools, Run by Gunamony Charitable and educational trust, Hosur. swisinternationalacademy@gmail.com 9488336133	Industrialist
16.	Dr.S. Sujith	Assistant Professor, Department of Mathematics, St. Xavier's College, Palayamkottai – 627002. sujithsr123@gmail.com 9940205302	Postgraduate meritorious alumnus






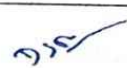


The 18th Meeting of the Board of Studies (BoS) of the Mathematics Department was held on 24 June, 2023 in which the following members were present:

1.	Dr. Y. S. Irine Sheela Head of the Department - Chairperson.	<i>Ys. Sheela</i>
2.	Dr. S. Chandra Kumar (Member)	<i>[Signature]</i>
3.	Dr. E. Giftin Vedha Merly (Member)	<i>[Signature]</i>
4.	Dr. P. Anto Paulin Brinto (Member)	<i>Brinto</i>
5.	Dr. P. Jaya Mary (Member)	<i>[Signature]</i>

Ys. Sheela

Dr. Y. S. IRINE SHEELA M.Sc., M.Phil., Ph.D., F.R.S.
Vice - Principal and Head
Postgraduate and Research Centre
Department of Mathematics
Scott Christian College (Autonomous)
Nagercoil.

[Signature]
Dr. D. HENRY RAJA
PRINCIPAL I/c
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
NAGERCOIL-629 003

6.	Dr. K. Sunitha (Member)	
7.	Dr. R. Ajitha (Member)	
8.	Dr. K. Lal Gipson (Member)	
9.	Dr. J. Ajitha Fancy (Member)	
10.	Dr. T. Binu Selin (Member)	
11.	Dr. D. S. Dilip Subject expert-1 (from outside the parent university)	
12.	Mr. G. Paul Bright (Industrialist)	
13.	Dr.S. Sujith (Postgraduate meritorious alumnus)	

vs. School

Dr. Y. S. IRINE SHEELA M.Sc., M.Phil., PGDCA, Ph.D.
Vice - Principal and Head
Postgraduate and Research Centre
Department of Mathematics
Scott Christian College (Autonomous)
Nagercoil.


DR. D. HENRY RAJA
PRINCIPAL I/c
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
NAGERCOIL - 629 003

DEPARTMENT OF MATHEMATICS
MINUTES OF THE 17TH MEETING OF THE BOARD OF STUDIES
HELD ON 27TH JULY, 2022.

The Board of studies (Mathematics) 17th meeting was held at 10.30 am on 27/07/2022 in the Department. Head of the Department Dr. Y.S. Irine Sheela presided over the meeting. The following members were present.

Dr. Y. S. Irine Sheela, Head of the Department - Chairperson.

Dr. J. Robert Victor Edward

Dr. S. Chandra Kumar

Dr. V. Rani Ratha Bai

Dr. E. Giftin Vedha Merly

Dr. P. Anto Paulin Brinto

Dr. P. Jaya Mary

Dr. K. Sunitha

Dr. R. Ajitha

Dr. K. Lal Gipson

Dr. J. Ajitha Fancy

Dr. T. Binu Selin

Dr. V. Vilfred Kamalappan Subject expert-1 (from outside the parent university)


Dr. R. Kala Subject expert (Nominated by the VC)

Dr. D. S. Dilip Postgraduate meritorious alumnus

The meeting of the Board of Studies of the Mathematics Department was held at 10.30 am on 27 July, 2022 in the Mathematics Department Research Room.

In the beginning, the Chairperson introduced and welcomed the members. The Chairperson also acknowledged and appreciated the significant contributions of the outgoing members.

Thereafter, the agendas were taken up for discussion.


Dr. Y. S. IRINE SHEELA M.Sc., M.Phil., PGDCA, Ph.D.
Vice - Principal and Head
Postgraduate and Research Centre
Department of Mathematics
Scott Christian College (Autonomous)
Nagercoil.


D.D. HENRY RAJA
PRINCIPAL i/c
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
NAGERCOIL - 629 003

Minute No.	Minutes
1.	Confirmation of the Minutes of the 16th BoS meeting held on 03.09.2020 Member Secretary Dr. Y. S. Irine Sheela read the minutes of 16th BoS meeting held on 03.09.2020 and the minutes were confirmed.
2.	Action Taken Report on the Minutes of the 16th BoS meeting. The members of BoS carefully perused the "Action Taken Report (ATR)" presented by the Chair Person Dr. Y.S.Irine Sheela and expressed their satisfaction and appreciation.
3.	Review of Academic and Administrative Audit (AAA) Report 2019-20. The Chair Person Dr. Y.S. Irine Sheela presented the AAA report criteria-wise and the members of BoS carefully reviewed the AAA report and proposed the following suggestions for improvement. a) To encourage the researchers to publish research articles in Scopus journals or in UGC care journals.
4.	Review of Feedback Report on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni. d) Parent – Teachers meeting should be organized once in a year to a relationship between their parents and inform the students academic program. e) Remedial coaching classes should be arranged for slow learners and make the students to get interest in their studies. f) To modify the syllabus, if the students feel that the syllabus is not able to follow.
5.	Revision of courses from the academic year 2020-'23. Dr. Y.S. Irine Sheela proposed the introduction of the following NEW course(s) in the curriculum of B.Sc./M.Sc. Mathematics from the academic year 2020-'23.

Suggestions and recommendations for changes in UG Mathematics syllabus 2020-23

Following are observations/suggestions/recommendations to be followed in each semester :

S. No	Semester	Name of the paper	Observations/Suggestions/recommendations
1.	V	Core Elective – I Linear Programming	Instead of 1995 text book edition adapt 2005 text book edition

Y.S. Irine Sheela
Dr. Y. S. IRINE SHEELA M.Sc., ALPHI, PGDCA, Ph.D
Vice - Principal and Head
Postgraduate and Research Centre
Department of Mathematics
Scott Christian College (Autonomous)
Nagercoil.

Henry Raja
Dr.D. HENRY RAJA
PRINCIPAL I/C
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
NAGERCOIL-629 003

Suggestions and recommendations for changes in PG Mathematical syllabus 2020-23

Following are the observations/ suggestions/recommendations

S. No.	Semester	Name of the paper	Observations/suggestions/recommendations	% of content to be added/replaced
1.	II	Core Paper – VI Real Analysis - II	Section 5.2 in Module V is deleted (Rank Theorem)	5% replaced
2.	III	Core Paper - X Functional Analysis	Contents of section 3.7 is deleted and the contents of section 2.1 is added	5% replaced and 5% added
3.	IV	Core Paper - XIV Algebraic Number Theory	Contents of section 5.12, section 9.10 are deleted and the contents of section 7.9 is added	10% replaced and 5% added
4.	IV	Core Paper - XV Advanced Functional Analysis	Delete Module V and introduce new module I Already existing modules I,II,III,IV are treated as modules II,III,IV,V	20% replaced and 20% added
5.	III	Core Paper – XIII Operations Research	Introduce new modules I and II Already existing modules I and II are deleted	40% replaced and 40% added


48 Deleted

Dr. Y. S. IRINE SHEELA M.Sc., M.Phil., PGDCA, Ph.D.
Vice - Principal and Head
Postgraduate and Research Centre
Department of Mathematics
Scott Christian College (Autonomous)
Nagercoil.

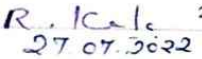
D. Henry Raja
D.D. HENRY RAJA
PRINCIPAL i/c
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
NAGERCOIL-629 003

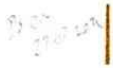
DEPARTMENT OF MATHEMATICS
MINUTES OF THE 17TH MEETING OF THE BOARD OF STUDIES
HELD ON 27TH JULY, 2022

The Board of studies (Mathematics) 17th meeting was held at 10.30 am on 27/07/2022 in the Department. Head of the Department Dr. Y.S. Irine Sheela presided over the meeting. The following members were present.

1. Dr. V. Vilfred Kamalappan (Subject Expect) 

2. Dr. R. Kala (Subject Expect)



27.07.2022

3. Dr. D.S. Dilip (Post Graduate Meritorious Aluminus) 


4. Dr. J.R.V. Edward (Member) 

5. Dr. Y. S. Irine Sheela 


Head of the Department - Chairperson.


6. Dr. S. Chandra Kumar 

7. Dr. V. Rani Ratha Bai 

8. Dr. E. Giftin Vedha Merly 

9. Dr. P. Anto Paulin Brinto 

10. Dr. P. Jaya Mary 

11. Dr. K. Sunitha 


Dr. Y. S. IRINE SHEELA M.Sc., ALPHIL, PGDCA, Ph.D.
Vice - Principal and Head
Postgraduate and Research Centre
Department of Mathematics
Scott Christian College (Autonomous)
Nagercoil.


Dr. D. HENRY RAJA
PRINCIPAL I/c
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
NAGERCOIL-629 003

12. Dr. R. Ajitha



13. Dr. K. Lal Gipson



14. Dr. J. Ajitha Fancy




15. Dr. T. Binu Selin



Vs. Sheela

Dr. Y. S. IRINE SHEELA M.Sc., M.Phil., PGDCA, Ph.D.
Vice - Principal and Head
Postgraduate and Research Centre
Department of Mathematics
Scott Christian College (Autonomous)
Nagercoil.


Dr. D. HENRY RAJA
PRINCIPAL i/c
SCOTT CHRISTIAN COLLEGE (AUTONOMOUS)
NAGERCOIL - 629 003