Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category A by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with A+ Grade by NAAC. Recognised by UGC Under Section 12 B
Coimbatore - 641 043, Tamil Nadu, India

Minutes of Board of Studies in Mathematics held on 27.09.2021 at 10.00A.M.

Members List

Internal Members:

1. Dr.N.Balamani, Assistant Professor (SS) & Head (i/c)

2. Dr.A.R.Sudamani Ramaswamy, Professor

3. Dr.D.Jayanthi, Assistant Professor (SS)

External Members:

1. Dr. S. Saravanan, Professor & Head, Department of Mathematics, Bharathiar University, Coimbatore –641046.

2. Ms.K.Sanjana, Lead Analyst, Ugam Solutions, India Land KGISL Tech Park, Block A,SEZ - Keeranatham Road, Saravanampatti, Coimbatore – 641035

Invited Members:

1. Dr. S. Prema, Assistant Professor
2. Dr. S. M. Sudha, Assistant Professor
3. Dr. PL. Meenakshi, Assistant Professor
4. Dr. K. Kirupa, Assistant Professor
5. Dr. B. Geethagnanaselvi, Assistant Professor
6. Mrs. I. Chandramani, Assistant Professor
7. Mrs. N. Sangeetha, Teaching Assistant
8. Mrs. K. Akalyadevi, Assistant Professor
9. Dr. P. Loganayaki, Assistant Professor
10. Dr. J. Ebenesar Anna Bagyam, Assistant Professor
11. Dr. B. Vennila, Assistant Professor
12. Dr. V. Vaishnavy, Assistant Professor
13. Ms. S. Bhuvaneshwari, Teaching Assistant
14. Dr. C. Antony Crispin Sweety, Assistant Professor

Student Representatives
1. Ms. S. Sakthivadivu, II M.Sc. Mathematics (2020 Batch)

2. Ms. U. Deepika, III B.Sc. Mathematics (2019 Batch)

Alumni Representative

1. Ms. M. Priyadharshini , Alumni, M.Sc. Mathematics (2018 Batch)

Agenda :

1. (a) Inclusion of Programme Learning Outcomes applicable for **M.Sc. Mathematics students** admitted from 2021-2022 & onwards.

Resolved to approve inclusion of Programme Learning Outcomes applicable for M. Sc. Mathematics students admitted from 2021-2022 & onwards.   (ANNEXURE I)

(b) Inclusion of **CLO-PLO mapping** and matrix for 1st and 2nd semester, applicable for **M.Sc. Mathematics students** admitted from 2021-2022 & onwards.

Resolved to approve inclusion of CLO-PLO mapping and matrix for 1st and 2nd semester, applicable for **M.Sc. Mathematics students** admitted from 2021-2022 & onwards.

(ANNEXURE I)

(c) Revision in the Conceptual Framework of Curriculum and Scheme of Instruction and Examination for **M.Sc. Mathematics students** admitted from 2021-2022 & onwards due to shifting of theory papers from 4th semester to 1st to 3rd semester & offering **only Research Project** during 4th semester.

Revised the Conceptual Framework of Curriculum and Scheme of Instruction and Examination for **M.Sc. Mathematics Students** admitted from 2021-2022 & onwards due to shifting of theory papers from 4th semester to 1st to 3rd semester & offering **only Research Project** during 4th semester.   (ANNEXURE I)

Revision of Courses in already existing Programme
Revision of courses without title change

Course code	Course title	Semester	Credits	Percentage of revision
21MMAC10	Partial Differential Equations	II	3	20%

2. (a) Inclusion of **Programme Learning Outcomes** applicable for **B. Sc. Mathematics & B. Sc. Special Education and Mathematics students** admitted from 2021-2022 & onwards.

Resolved to approve inclusion of Programme Learning Outcomes applicable for B. Sc. Mathematics students admitted from 2021-2022 & onwards.   (ANNEXURE II)

Resolved to approve inclusion of Programme Learning Outcomes applicable for B. Sc. Special Education and Mathematics students admitted from 2021-2022 & onwards.

(ANNEXURE III)

(b) Inclusion of **CLO-PLO mapping** and matrix for 1st and 2nd semester, applicable for **B. Sc. Mathematics & B. Sc. Special Education and Mathematics students** admitted from 2021-2022 & onwards.

Resolved to approve inclusion of CLO-PLO mapping and matrix for 1st and 2nd semester, applicable for B. Sc. Mathematics students admitted from 2021-2022 & onwards.

(ANNEXURE II)

Resolved to approve inclusion of CLO-PLO mapping and matrix for 1st and 2nd semester, applicable for B. Sc. Special Education and Mathematics students admitted from 2021-2022 & onwards.

(ANNEXURE III)

(c) Passing the Scheme of Instruction & Examination of core papers for B.Sc. Special Education and Mathematics (Double Major) applicable for students admitted from the Academic Year 2021-2022 & onwards.

Resolved to approve the Scheme of Instruction & Examination of core papers for B.Sc. Special Education and Mathematics (Double Major) applicable for students admitted from the Academic Year 2021-2022 & onwards.   (ANNEXURE III)

Revision of courses without title change

Course code	Course title	Semester	Credits	Percentage of revision
21BSMC12	Numerical Methods	IV	3	30%
21BSMC14	Real Analysis - I	V	3	5%
21BSMC15	Complex Analysis - I	V	3	10%
21BSMC17	Abstract Algebra - II	VI	3	5%
21BSMC18	Real Analysis - II	VI	3	10%
21BSMC20	Operations Research	VI	3	40%

Introduction of courses/Revision of Courses with title change

Course code	Course title	Semester	Credits	Type (Specify-New/Title change)	Percentage of revision (if new indicate as new)
21BSMC01	Analytical Geometry	I	3	Title change	60%
21BSMC02	Classical Algebra and Theory of Numbers	I	3	Title change	40%
21BSMC03	Differential Calculus	I	3	Title change	60%
21BSMC04	Integral and Vector Calculus	II	3	Title change	20%
21BSMC05	Trigonometry and Laplace Transforms	II	3	Title change	0%
21BSMC06	Differential Equations	II	3	Title change	60%
21BSMC09	Practical I- Mathematical programming in ANSI-C	III	2	New	New

(d) Introduction of 21BAFU01 **Fundamentals of Research** under Part IV component with 2 credits as **Ability Enhancement Compulsory Course** for all the Under Graduate Students admitted from 2021-2022 & onwards.

Introduced 21BAFU01 **Fundamentals of Research** under Part IV component with 2 credits as **Ability Enhancement Compulsory Course** for B. Sc. Mathematics students admitted from 2021-2022 & onwards.   (ANNEXURE II)

3. Passing the syllabi of specialization papers applicable for Ph.D. scholars admitted during August/September, 2021.

Resolved to approve the syllabi of specialization papers applicable for Ph.D. scholars admitted during August/September, 2021.   (ANNEXURE IV)

Resolved to approve two specialization papers namely,

  21PHMA03A-Queueing Systems

  21PHMA03B – Fuzzy and Neutrosophic Logics

4. (a) Introducing 3 new papers along with Scheme of Instruction & Examination for B.Sc. Special Education and Mathematics (Double Major) applicable for students admitted in the Academic Year 2019-2020 and 2020-2021.

  Resolved to approve the core papers namely,

  20BSMC13 Statics (V-Semester),

  20BSMC18 Dynamics (VI-Semester),

  20BSMC19- Graph Theory (VI-Semester) and the revised scheme of instruction.

<div align="right">(ANNEXURE V)</div>

Introduction of courses/Revision of Courses with title change

Course code	Course title	Semester	Credits	Type (Specify-New/Title change)	Percentage of revision (if new indicate as new)
20BSMC13	Statics	V	3	New	New
20BSMC18	Dynamics	VI	3	New	New
20BSMC19	Graph Theory	VI	3	New	New

(b) Passing the syllabus of Value Added course on Vedic Mathematics applicable for students admitted from the Academic Year 2021-2022 & onwards.

Resolved to approve the syllabus of Value Added course on Vedic Mathematics applicable for students admitted from the Academic Year 2021-2022 & onwards.   (ANNEXURE VI)

Introduction of courses/Revision of Courses in Part IV Component of UG/ Part II Component of PG with title change

Course code	Course title	Semester	Credits	Type (Specify-New/Title change)	Percentage of revision (if new indicate as new)
21BMAV01	Vedic Mathematics	III	2	New	New

6. List of Subject experts for question paper setting and valuation & subject experts for Screening & Selection Committee.

   Updated the list of Subject experts for question paper setting and valuation & subject experts for Screening & Selection Committee. (ANNEXURE IX)

Members Present:

1. Dr. S. Saravanan, Professor & Head
2. Dr.N.Balamani, Assistant Professor (SS) & Head(i/c)
3. Dr.A.R.Sudamani Ramaswamy, Professor
4. Dr.D.Jayanthi, Assistant Professor (SS)
5. Dr. S. Prema, Assistant Professor
6. Dr. S. M. Sudha, Assistant Professor
7. Dr. PL. Meenakshi, Assistant Professor
8. Dr. K. Kirupa, Assistant Professor
9. Dr.B.Geethagnanaselvi, Assistant Professor
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11. Mrs. N. Sangeetha, Teaching Assistant
12. Mrs. K. Akalyadevi, Assistant Professor
13. Dr. P. Loganayaki, Assistant Professor
14. Dr. J. Ebenesar Anna Bagyam, Assistant Professor
15. Dr. B. Vennila, Assistant Professor
16. Dr. V. Vaishnavy, Assistant Professor
17. Ms. S. Bhuvaneshwari, Teaching Assistant
18. Dr. C. Antony Crispin Sweety, Assistant Professor
19. Ms. M. Sakthivadivu, II M.Sc. Mathematics
20. Ms. U. Deepika, III B.Sc. Mathematics
21. Ms. M. Priyadharshini, Alumni, M.Sc. 2018 Batch

6. New Programme (if any) introduced - **Nil**

7. Part IV Component of UG/ Part II Component of PG (if any)

 a. Revision of courses in Part IV Component of UG/ Part II Component of PG without title change - **Nil**

8. Deletion or removal of courses to be specified in detail – 18BSMC09-Practical I Mat Lab

 New practical paper 21BSMC09 Practical I- Mathematical programming in ANSI-C is introduced instead of Practical I Mat Lab.

9. Any other matter specific to the Department -**Nil**