

**K.S. RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS),
TIRUCHENGODE - 637 215.**

Department of Mathematics - (UG & PG Board)

BOARD OF STUDIES MEMBERS

S.No	Name	Position	Nominated by
1	Mr. T.Rajendrakumar, Assistant Professor and Head Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode.	Chairman	Principal
2	Dr. G.P.Youvaraj Professor, Director & Head Department of Mathematics, Madras University, Chennai - 600 005	University Nominee	Vice Chancellor
3	Dr. P. Shanmuganandham, Associate Professor , Department of Mathematics, National College (Autonomous), Trichy - 620 001	External Subject Expert	Academic Council
4	Dr. P. Sarangapani Associate Professor, Department of Mathematics, Kurinji College of Arts and Science, Trichy - 620 002	External Subject Expert	Academic Council
5	Department Faculty Mr.S.Jagadeesan, M.Sc.,M.Phil.,PGDCA., Assistant Professor Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous) Mrs. M. Sujatha,M.Sc., M.Phil., B.Ed., Assistant Professor Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous) Mrs. C. Sindhuja,M.Sc., M.Phil., B.Ed., Assistant Professor Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous)	Member	Principal

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	<p>Mr.M.Sankar,M.Sc.,M.Phil., Assistant Professor Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous)</p> <p>Mr.D.Kathirvel,M.Sc.,M.Phil., Assistant Professor Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous)</p> <p>Ms.A.Iswarya,M.Sc., Assistant Professor Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous)</p> <p>Ms.S.Ranjitha, M.Sc., M.Phil., Assistant Professor Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous)</p>		
6	<p>Mr. M. Durairaju, Junior Assistant, Mahalir Thittam, Collectorate, Salem</p>	Member Meritorious Alumnus	Principal
7	<p>Mr.J. Tamilselvan Assistant Professor and Head Department of Computer Science K.S.Rangasamy College of Arts and Science (Autonomous)</p>	Co-opted Member	Principal
8	<p>Mr. M. Prakasam Assistant Professor and Head Department of Computer Science K.S.Rangasamy College of Arts and Science (Autonomous)</p>	Co-opted Member	Principal
9	<p>Dr. M. Venkatesh Assistant Professor and Head Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous)</p>	Co-opted Member	Principal

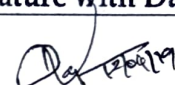
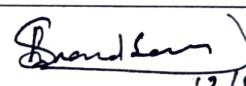
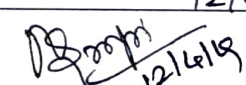
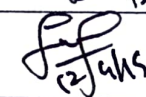
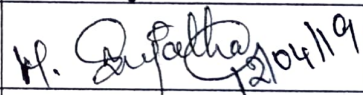




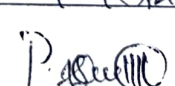


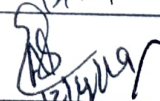
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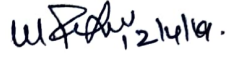
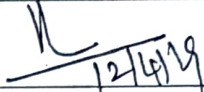
Department of Mathematics (UG & PG Board)

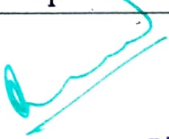
The Board of Studies for Department of Mathematics (UG & PG) was held on 12.04.2019 at 10.00 a.m. in the Department of Mathematics, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode to approve the syllabus with effect from the academic year 2019-2020.

MEMBERS PRESENT

S.No	Name	Signature with Date
1	Mr.T.Rajendrakumar Chairman	 12/4/19
2	Dr. P.Shanmuganandham Member - Nominated by Academic Council	 12/4/19
3	Dr. P.Sarangapani Member - Nominated by Academic Council	 12/4/19
4	Mr. S. Jagadeesan Member, Department of Mathematics	 12/4/19
5	Mrs. M. Sujatha Member, Department of Mathematics	 12/04/19
6	Mrs. C. Sindhuja Member, Department of Mathematics	 12/4/19
7	Mr. M.Sankar Member, Department of Mathematics	 12/04/19
8	Dr. D. Kathirvel Member, Department of Mathematics	 12/4/19
9	Ms. S. Ranjitha Member, Department of Mathematics	 12/4/19
10	Ms.P.Sudha Member, Department of Mathematics	 12/4/19
11	Mr.S.Nagarajan Member, Department of Mathematics	 12/04/19
12	Ms. M.Devisree Member, Department of Mathematics	 12/4/19
13	Mr.A.Silambarasan Member, Department of Mathematics	 12/4/19


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S.No	Name	Signature with Date
14	Mr.A.Alaguraja Member, Department of Mathematics	 12/04/19
15	Mrs. R.Rani Member, Department of Mathematics	 12/04/19
16	Mr. J. Tamilselvan Co-opted Member, Department of Computer Science	 12/04/19
17	Mr. M. Prakasam Co-opted Member, Department of Computer Science	 12/04/19
18	Dr. M. Venkatesh Co-opted Member, Department of Physics	 12/04/19


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TIRUCHENGODE-637 215.

DEPARTMENT OF MATHEMATICS-PG

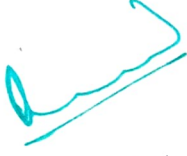
Minutes of Board of Studies Meeting

The meeting of Board of Studies was held on 12.04.2019 at 10.00 A.M in New UG-Lab (Right side) of K.S.Rangasamy College of Arts and Science, Tiruchengode and the board suggested the following in the syllabi.


- ❖ Discussed to change the Scheme.
- ❖ Resolved to change the place of some papers, in the scheme.
- ❖ Discussed to move Fluid Dynamics from fourth semester to third semester.
- ❖ Optimization Techniques to be moved from fourth semester to third semester.
- ❖ The elective paper Fuzzy Sets and Fuzzy Logic has been changed as core paper since many research activities are going on this topic.
- ❖ Number Theory paper to be changed as elective paper.
- ❖ New paper Design theory and Neural Networks have been introduced as elective papers.
- ❖ Approved to introduce both theory and practical papers in MATLAB for M.Sc. Mathematics students in IV semester.
- ❖ 20% of changes have been made in core paper Algebra.
- ❖ 100% of changes in core paper Ordinary Differential Equations.
- ❖ MATLAB (both theory and practical) have been introduced as new courses.
- ❖ According to the feedback obtained from students, alumni and subject experts our curriculum has been designed.
- ❖ Based on the suggestions given by the BoS members new courses were adopted to focus on Employability, Entrepreneurship and Skill development of the students.
- ❖ As per the suggestion from BoS members the courses having relevance to Local, National, Regional and Global needs have been introduced.
- ❖ Planned to introduce SPSS Lab for IIPG Biological Science courses because of its importance in Research Field. Also MS-Excel practical paper has been planned to introduce for II UG –Biological science students.


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- ❖ Resolved to frame common syllabus for all Biological science courses.
- ❖ Some sections have been reduced in the syllabus of allied papers for Computer Science B.Com and B.Com CA,students.
- ❖ Approved to offer the paper titled Aptitude and Reasoning as new IDC Paper for M.A.English course.



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Mr. T.Rajendrakumar
BoS Chairman-Mathematics


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Courses in which syllabus revision has been done-2019-2020

S.No	Course Code	Course Name	Percentage of Content added or replaced	Remark
1.	18PMAEL302	ELECTIVE II: Neural Networks	100	Added as new elective course in semester-III.
2.	18PMAM404	CORE XVI: Fuzzy sets and fuzzy logic	100	The elective paper Fuzzy Sets and Fuzzy Logic has been changed as core paper
3.	18PMAM405	CORE XVII:MATLAB	100	Added as new core paper in Semester - IV.
4.	18PMAMP401	CORE Practical II:MATLAB	100	Added as new core Practical in semester-IV.

Percentage of syllabus revision carried out in entire program :22.14%


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Mr. T.Rajendrakumar
BoS Chairman-Mathematics

Highlights of M.Sc. Mathematics Curriculum

- **List of courses having focus on employability/entrepreneurship/skill development :**

Employability:

18PMAM405-Core XVII : MATLAB
18PMAMP401-Core Practical II : MATLAB

Entrepreneurship:

18PMAMP101-Core Practical II : Mathematical Text Editor Latex
18PMAM303-Core XII : Optimization Techniques

Skill development:

18PCSMAI301-IDC : Programming in C++
18PCSMaip301-IDC Practical : Programming in C++

List of new courses added in the curriculum:

18PMAEL201-Elective-I-Design Theory.
18PMAEL302-Elective-II-Neural Networks.
18PMAM405-Core XVII : MATLAB
18PMAMP401-Core Practical II : MATLAB

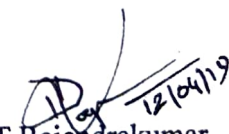
List of Elective courses offered in entire program:

18PMAEL201-Elective-I-Design Theory.
18PMAEL202-Elective-I-Stochastic Process
18PMAEL203-Elective-I-Difference Equations.
18PMAEL301-Elective-II-Control Theory.
18PMAEL302-Elective-II-Neural Networks.
18PMAEL303-Elective-II-Number Theory.

- Courses have been included in the curriculum having relevance to the local, regional, national and global needs .
- By considering the human values the course titled Human rights has been added in the curriculum.
- Contents have been included in the courses to meet out cross cutting issues relevant to professional ethics, gender, human values, environmental and sustainability.



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12/04/19
Mr. T. Rajendrakumar
BoS Chairman-Mathematics