



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

[DEEMED TO BE UNIVERSITY]

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

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SCHOOL OF SCIENCE AND HUMANITIES

DEPARTMENT OF MATHEMATICS

MINUTES OF BOARD OF STUDIES MEETING

DATE: 26.6.2020

TIME: 4.00 P.M. TO 5.30 P.M.

ONLINE MEETING: ZOOM

Meeting ID: 94688789754

Board of Studies meeting through ZOOM was held on 26/6/ 2020 at 4. p.m.

❖ **Dr. M. Nirmala, Head of the Department greeted the external members**

**Dr. V. Kumaran, Professor,
Department of Mathematics,
NIT, Trichy.**

**Dr. Krishnamoorthy Somanchi
Professor and Head,
Department of Applied Mathematics,
Defence Institute of Advanced Technology,
Giri Nagar, Pune**

and the internal staff members of Board of Studies.

❖ **Syllabus reviewed by external Board members.**

❖ **The Board members reviewed B.Arch syllabus and suggest the following revision.**

- **To revise Unit I**
- **Include basic distributions**

- Introduce maxima and minima before Lagrange method.
- ❖ Board members reviewed M.Arch syllabus
 - Suggest having all units with 10 hours duration and including lab for Unit V.
 - Suggest having SPSS or Matlab.
- ❖ In B.Sc Mathematics advised to remove five types of ODE.
 - Suggest combining Unit I and II also to include applications
- ❖ For M.Sc Mathematics advised to include measure theory and it may replace Number theory and linear algebra.
 - Separate paper for statistics and suggest to include error measures along with multivariate correlation in Data Analytics .
 - The same can be incorporated in practical paper of Data Analytics.
- ❖ For B.E. Data sciences programme two papers were added to the department namely
 1. Matrices and Linear Algebra
 2. Applied Statistics.
- ❖ Board members reviewed the syllabus framed by internal members and suggest having Tensor analysis as one unit after combining Unit II & III in Matrices and Linear Algebra.
- ❖ Applied statistics is approved by external members.
- ❖ The online examination pattern was discussed for the academic year 2020 - 2021.
 - Theory examination will comprise of MCQ, Fill ups and subjective type of questions.
 - Practical examination will comprise of experiment followed by viva – voce examination.
- ❖ All the suggestions discussed in the meeting were noted down and will be incorporated the changes in the syllabus.
- ❖ The meeting ended with vote of thanks by Dr. M. Nirmala.

SIGNATURE OF THE MEMBERS

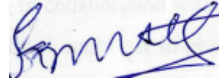
1. Dr. V. KUMARAN

Department of Mathematics,
NIT, Trichy



2. Dr. KRISHNAMURTHY SOMANCHI

Professor and Head,
Department of Applied Mathematics,
Defence Institute of Advanced Technology,
Giri Nagar, Pune



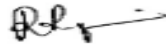
3. Dr. M. NIRMALA

Associate Professor & Head
Department of Mathematics,
Sathyabama Institute of Science and Technology
Chennai



4. Dr. R. RAJESWARI

Professor
Department of Mathematics,
Sathyabama Institute of Science and Technology
Chennai



5. Dr. R. PARAMESWARI

Assistant Professor
Department of Mathematics,
Sathyabama Institute of Science and Technology
Chennai



6. Dr. C. KAVITHA

Assistant Professor
Department of Mathematics,
Sathyabama Institute of Science and Technology
Chennai





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Jeppiaar Nagar, Rajiv Gandhi Salai (OMR), Chennai – 600 119, Tamil Nadu. India.



SCHOOL OF SCIENCE AND HUMANITIES

DEPARTMENT OF MATHEMATICS

MINUTES OF BOARD OF STUDIES MEETING

VENUE: HALL NO: 4, CENTRAL LIBRARY, SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY.

DATE: 21st MAY 2018

TIME: 10.00 A.M. TO 3.00 P.M.

EXTERNAL MEMBERS

Dr. V. KUMARAN, Professor, Department of Mathematics, NIT Trichy.

Dr. KRISHNAMOORTHY VSSNVG Somanchi, Professor and Head, Department of Mathematics, Defence Institute of Advanced Technology, Pune.

INTERNAL MEMBERS:

Dr. S. GANESH, Professor and Head

Dr. M. NIRMALA, Associate Professor

Dr. R. RAJESWARI, Professor

Dr. R. PARAMESWARI, Assistant Professor

Dr. C. KAVITHA, Assistant Professor

The BOS meeting was held on 21st of May 2018 to revise the syllabus for all courses in Mathematics for B.E./ B.Tech programme to be implemented from June 2019.

- **Dr. S.Ganesh greeted the external member Dr.V.Kumaran and the internal staff members of BOS.**
- **The morning session began with the discussion of syllabus revision for all courses in Mathematics for B.E./ B.Tech programme .**

- A copy of the syllabus framed by the internal BOS members was sent in advance to the external members for their perusal.
- During the meeting the external board member reviewed and discussed the syllabus. The topics in each subject were decided based on the relevance to the corresponding branch. And the following suggestions were given during the meeting

1. Number of electives can be increased for B.E/ B.Tech courses.
2. Papers like Discrete Mathematics and Fuzzy Logic, Optimization techniques, Computation techniques, Transforms can be included in electives.
3. More foreign author references can be included.
4. Engineering Mathematics-I (Code: SMT1101):

In Unit IV the topic Ordinary Differential Equations was replaced by the topics properties of definite integrals, Beta and Gamma functions and titled as Integral calculus I. In Unit V, Three dimensional Analytical Geometry was replaced by the topic double and triple integration with their applications and titled as Integral calculus II.

5. Engineering Mathematics-II (Code: SMT1105) :

In Unit I, Multiple Integrals was replaced by the topic Ordinary Differential Equations. In unit II, Beta and Gamma Integrals was replaced by the topic Fourier transformation.

6. Discrete Mathematics and Numerical Methods (Code: SMT1203):

Unit IV and Unit V are interchanged.

7. Engineering Mathematics-IV (Code: SMT1204) :

In unit III, Newton Raphson Method for solving algebraic equations in two variables has been included.

8. Probability and Statistics (Code: SMT1205):

In unit V, the topic Mean chart has been included in Statistical quality control.

- All the suggestions discussed in the meeting were noted down for incorporating the changes in the syllabus.
- The meeting ended with vote of thanks by Dr.S.Ganesh.

Signature of the Members

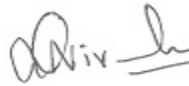
1. Dr.V. KUMARAN



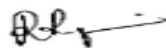
2. Dr. S. GANESH



3. Dr. M. NIRMALA



4. Dr. R. RAJESWARI



5. Dr. R. PARAMESWARI



6. Dr. C. KAVITHA



FACULTY OF SCIENCE AND HUMANITIES

DEPARTMENT OF MATHEMATICS

Minutes of Board of Studies Meeting held on 28th October, 2014

Venue : Lecture Hall 6, Central Library, Sathyabama University

Time: 10:00 A.M – 4:00 P.M

The BOS Meeting was held on 28th October 2014 to frame the new syllabi for all subjects in Mathematics for UG and PG courses to be implemented from June 2015.

1. The external Members were **Dr.V.Kumaran**, Professor from NIT, Trichy and **Dr.Krishnamoorthy VSSNVG Somanchi**, Professor and Head from Defence Institute of Advanced Technology, Pune.
2. There were Seven members from the department of Mathematics including the Head of the Department, Dr. S.Ganesh who attended the meeting.
3. Dr. S.Ganesh greeted and welcomed all the members and said he looked forward to an active interaction among all the members.
4. The meeting was also attended by Senior Staff members of the Department namely Dr.C.Murugesan, Dr.M.Nirmala, Mrs.Priya Shirley, Mrs.M.Mallika, Mr.C.K.KirubhaShankar and Mr. A Mohamed Ismail.
5. The morning session began with syllabus revision for UG courses which was followed by revision for PG courses. On the whole, there are theory papers in UG and theory papers in PG, the syllabi for which were prepared and kept before the panel of Board of Studies for their approval.
6. A copy of the syllabi framed by the internal BOS members was sent in advance to the External members for their perusal. Their comments were already received and noted down by the internal BOS members.
7. These suggestions from the review of external board members were put forth in the meeting for further discussions.
8. The topics in each subject were decided based on their relevance to the corresponding branch.

Lighter topics were chosen for Biogroups keeping in mind the fact that most of the students come from non-Mathematics background.
9. There were some suggestions to include and exclude some of the topics in

BE/BTECH/B.ARCH/M.ARCH/ME/MTECH/MCA/B.Com/MSc (Mathematics)/M.Phil (Mathematics)

in relevance with present day need.

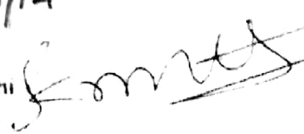
10. The external members suggested to go for M Sc , Applied Mathematics
11. The external members gave their valuable suggestions on the list of text books and reference books that could be included along with the existing ones.
12. All the changes suggested by the external members were noted down by the internal BOS members to be incorporated later
13. The internal marks of 30 and external marks of 70 for each subject was appreciated by the members. They also appreciated the content of the syllabi in the curriculum
14. The meeting ended with a vote of thanks by Dr S Ganesh who promised to implement all the changes

Signature of the External and Internal Members

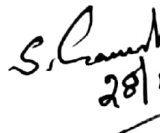
1. Dr.V.Kumaran

 28/10/14

2. Dr.Krishnamoorthy VSSNVG Somanchi

 28/10/2014

3. Dr. S Ganesh

 28/10/2014

4. Dr C.Murugesan



5. Dr.M.Nirmala



6. Mrs Priya Shirley



7. Mrs M. Mallika



8. Mr.C K KirubhaShankar



9. Mr. A Mohamed Ismail

