



Estd 1981

Bapatla Engineering College: Bapatla-522102

(Autonomous)

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Department of Mathematics

Minutes of the Online meeting of Board of Studies in Mathematics held on 26-08-2021 at 11:00 AM from the Chamber of the Head, Department of Mathematics, Bapatla Engineering College, Bapatla.

Members present for the meeting through Online (through Google Meet):

1. **Dr.P. VijayaSaradhi**
Associate Professor, Department of Mathematics
BEC, Bapatla. Chairman
2. **Dr.Y.N.Reddy**
Professor,
Department of Mathematics,
National Institute of Technology, Warangal Member
3. **Dr. G. Sankara Sekhar Raju**
Professor & Principal
J N T U A College of Engineering,
Pulivendula. Member
4. **Dr. B. Satyanarayana**
Associate Professor, Department of Mathematics,
University College of Science,
Acharya Nagarjuna University, Guntur Member
5. **Dr. K. Siva Prasad**
Assistant Professor,
Department of Mathematics,
Acharya Nagarjuna University, Guntur Member
6. **Sri M. Ravindra**
Senior Scientist
TRDDC, TCS, PUNE Member
7. **Dr. T. SrinivasaRao**
Associate Professor, Department of Mathematics,
BEC, Bapatla. Member
8. **Dr.K.V.L.N.Acharyulu**
Associate Professor, Department of Mathematics,
BEC, Bapatla. Member

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| <p>9. Sri.N.Karunakar
Assistant Professor, Department of Mathematics,
BEC, Bapatla.</p> | <p>Member</p> |
| <p>10. Dr.Noorbhasha Rafi
Asst. Professor, Department of Mathematics,
BEC, Bapatla.</p> | <p>Member</p> |
| <p>11. Mrs. M. Srujana
Asst. Professor, Department of Mathematics,
BEC, Bapatla.</p> | <p>Member</p> |
| <p>12. Sri I. Pothuraju
Asst. Professor, Department of Mathematics,
BEC, Bapatla.</p> | <p>Member</p> |
| <p>13. Mrs. K.Nagamani
Asst. Professor, Department of Mathematics,
BEC, Bapatla.</p> | <p>Member</p> |
| <p>14. Miss.S.V.Vasavi
Asst. Professor, Department of Mathematics,
BEC, Bapatla.</p> | <p>Member</p> |
| <p>15. Mrs.S.Madhuri
Asst. Professor, Department of Mathematics,
BEC, Bapatla.</p> | <p>Member</p> |
| <p>16. Dr.G. Basava Kumar
Asst. Professor, Department of Mathematics,
BEC, Bapatla.</p> | <p>Member</p> |

The following items were on the agenda for discussion:

1. The approval of syllabus for the course, '**Linear Algebra and ODE**' which was approved under R18 regulations with the code: 18MA001 (**common to all branches**) in the first semester of First B.Tech.

Code: 20MA101

2. The approval of syllabus for the course, '**Numerical Methods and Advanced Calculus**' which was approved under R18 regulations with the code: 18MA002 (**common to all branches**) in the second semester of First B.Tech.

Code: 20MA201

3. The syllabus which was approved under R18 regulations with the code: 18MA003 to be modified for the course, '**Probability and Statistics**' (**common to all branches**) in the third / fourth semester of Second B.Tech.

Code: 20MA301

4. The approval of syllabus for the course, ‘**Complex Analysis and Special Functions**’ which was approved under R18 regulations with the code: 18MA004 (**for ECE and EIE branches**) in the fourth semester of Second B.Tech.

Code: 20MA401

5. The new syllabus for the course, **Mathematical Foundations for Cyber Security (for CSE-Cyber Security branch)** in the fourth semester of Second B.Tech.

Code: 20MA401(A)

6. The new syllabus for the course, **Mathematical Foundations for Data Science (for CSE-Data Science branch)** in the fourth semester of Second B.Tech.

Code: 20MA401(B)

Chairman, BOS, after welcoming the members for the meeting, presented the details of the agenda to the members.

The following resolutions were passed in the Board of Studies meeting:

1. Many external BOS members strongly suggested to maintain 12(twelve) credits mandatorily from all Maths courses in each branch as per APSCHE guidelines. For this, they advised that at least 4 papers in Maths subject are compulsorily to be designed for all branches.
2. The syllabus for the course, ‘**Linear Algebra and ODE**’ in the first semester of First B.Tech (**common to all branches**) mentioned in the item (1) of the agenda was thoroughly discussed and the same syllabus of 18MA001 was approved.
Code: 20MA101
Herewith a copy of it is enclosed.
3. The syllabus for the course, ‘**Numerical Methods and Advanced Calculus**’ in the first semester of First B.Tech (**common to all branches**) mentioned in the item (2) of the agenda was thoroughly discussed and the same syllabus of 18MA002 was approved.
Code: 20MA201
Herewith a copy of it is enclosed.
4. The modified syllabus for the course, ‘**Probability and Statistics**’ in the third / fourth semester of Second B. Tech (common to all branches) mentioned in the item (3) of the agenda was thoroughly discussed and the modified syllabus of 18MA003 was approved.
Code: 20MA301
Herewith a copy of it is enclosed.
5. The syllabus for the course, ‘**Complex Analysis and Special Functions**’ in the fourth semester of Second B.Tech (**for ECE and EIE branches**) mentioned in the item (4) of the agenda was thoroughly discussed and the same syllabus of 18MA004 was approved.
Code: 20MA401
Herewith a copy of it is enclosed.
6. The new syllabus for the course, ‘**Mathematical Foundations for Cyber Security**’ (**for CSE-Cyber Security branch only**) in the fourth semester of Second B.Tech mentioned in the item (5) of the agenda was thoroughly discussed. Based on the suggestions and the

requirements of **CSE-Cyber Security** branch, the syllabus will be finalized and sent it to the BOS members for the approval through Email.

Code: 20MA401(A)

Herewith a copy of it is enclosed.

7. The new syllabus for the course, '**Mathematical Foundations for Data Science**' (for **CSE-Data Science branch only**) in the fourth semester of Second B.Tech mentioned in the item (6) of the agenda was thoroughly discussed. Based on the suggestions and the requirements of **CSE-Data Science** branch, the syllabus will be finalized and sent it to the BOS members for the approval through Email.
Code: 20MA401(B)
Herewith a copy of it is enclosed.
8. All external BOS members suggested to reduce the syllabus of **Unit-III (Optimization)** in '**Mathematical Foundations for Data Science**', **Code: 20MA401 (B)**.
9. One of the external BOS members advised to give directly 14 marks question in **Unit-IV (Integer Programming and Dynamic Programming)** of '**Mathematical Foundations for Data Science**', **Code: 20MA401 (B)** considering the time factor because of lengthy computational procedures.
10. One of the external BOS members advised to utilize maximum 10% of online material in the case of non-availability of proper text books in introducing new syllabi.
11. The chairman is authorized to finalize the model papers, paper setters and examiners for all courses of B.Tech Examinations.

The Chairman, BOS, thanked the members before concluding the meeting.

P.V. Saradhi 26/8/21.

**Chairman, Board of Studies &
Head, Dept. of Mathematics.**

Copy to : The Principal, Bapatla Engineering College,
Members, Board of Studies.