

**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)
DEPARTMENT OF MATHEMATICS**

Minutes of Board of Studies Meeting (R20)

Minutes of Board of Studies meeting of Department of Mathematics regarding II B.Tech syllabus of R20 regulations held on 31.08.2021 at 10 A.M through Microsoft teams.

Members Present:

BOS Chairman: Dr. P. Ramesh Reddy
Head, Department of Mathematics
Madanapalle Institute of Technology and Science, Madanapalle

Subject Experts:

1. Dr. Y. V. S. S. Sanyasiraju
Professor, Department of Mathematics
IIT Madras
Chennai-600036, Tamilnadu
2. Dr. Srinivas Suripeddi
Professor, Department of Mathematics
VIT-AP University, Amaravathi 522237
Andhra Pradesh

Expert in the subject nominated by Vice Chancellor:

3. Dr. G. Shobhalatha
Professor
Department of Mathematics
Sri Krishnadevaraya University
Anantapuramu-515003
Andhra Pradesh

Expert form Industry:

4. Dr. Ravindra Babu Tallamraju
Data Scientist at Flipkart Information Technology and Services
Bangalore-560034

Members of Department of Mathematics:

1. Dr. Dipana Jyoti Mohanty	Associate Professor
2. Dr. R.Saravana	Associate Professor
3. Dr. K. V. Narasimha Murthy	Assistant Professor
4. Dr. A.Subbarao	Assistant Professor
5. Dr. Ramasamy Subramaniam	Assistant Professor
6. Dr. Ahsan Mahboob	Assistant Professor
7. Dr. MD Gulzar Ull Hasan	Assistant Professor
8. Dr. Manoj Kumar Singh	Assistant Professor
9. Dr. Vikash Kumar	Assistant Professor
10. Mr. Navin Shrinivas Talkokul	Assistant Professor

Agenda:


1. Opening remarks by BOS chairman
2. Introduction of External Subject Experts to the Committee members
3. Resolve and approve the II B.Tech. I & II Semester Mathematics course structure and Syllabus of various branches.
4. Any other matter with the permission of the chair

Dr. P. Ramesh Reddy, HOD started the BOS meeting by welcoming the External Subject experts and Dr. P. Ramanathan, Vice-Principal (Academics) highlighted the importance of syllabus framing. Dr. R. Saravana, Academic Coordinator introduced the External experts to the faculty of department of Mathematics.

All the II B. Tech. I & II Semester regular courses Probability and Statistics for Computer Science (CSE, CST, DS, AI, IOT, CS), Probability and Statistics for Engineers (EEE, Civil), Probability & Statistics (ME), Probability Theory and Stochastic Processes (ECE) and Discrete Mathematical Structures (CSE, CST, DS, AI, IOT, CS) proposed syllabus contents are presented to BOS members by the Academic Coordinator and the respective subject course coordinators.

The following points are discussed and the following resolutions are made:

1. In Probability and Statistics for Computer Science course, the subject experts suggested to discuss charts and diagrams in Descriptive Statistics (Unit-IV) and frame application oriented problems in the course.
2. In Probability & Statistics course, the subject experts suggested to add classical definition in Unit I and advised to frame application oriented questions.
3. In Probability and Statistics for Engineers course, the BOS members suggested to combine Introduction to Probability and Random variables in one unit and advised to introduce Analysis of variance (ANOVA) in unit V.
4. For Probability Theory and Stochastic Processes course, the BOS members suggested to start with classical definition of Probability.
5. In Discrete Mathematical Structures course, the subject experts suggested to keep subsections in order and advised to incorporate Relations topic.
6. A few minor corrections in all the courses has been taken place and are recorded in the BOS meeting log book.



Dr. P. Ramesh Reddy
(Head, Dept. of Mathematics)

HEAD
Department of Mathematics
MADANAPALLE INSTITUTE OF
TECHNOLOGY & SCIENCE
MADANAPALLE - 517 325

Board of Studies Meetingminutes of meeting

A meeting of Board of Studies (BOS) of the Dept. of Mathematics regarding II B.Tech Syllabus of Regulations -2020 (R-20) held at 10 A.M to 11.10 A.M on 31 August 2021 through M.S. Teams.

Members presented :

BOS chairman

: Dr. P. Ramesh Reddy
Head, Department of Mathematics
MITS, Madanapalle.Subject Experts1. Dr. Y.V.S.S. Sanyaliraju
professor
Department of Mathematics
IITM, Chennai - 600 0362. Dr. Srinivas Subipoddi
professor
Department of Mathematics
VIT-AP University
Anandavathi - 522 2373. Dr. G. Shobhalakshmi, professor
Department of Mathematics
Sri Krishnadevaraya University
Anantapur - 515 0024. Dr. Ravindra Balu Tollaimesu
Data Scientist at Flipkart.com
Information Technology & Services
Bangalore - 560034

Members :

1. Dr. K.V. Narasimha Murthy
2. Dr. R. Sreevamsa
3. Dr. A. Subba Rao
4. Dr. Dipana Tyothi Mohanty
5. Dr. Manoj Kumar Singh
6. Dr. MP. Gulzar Ali Hossain
7. Dr. Ahsan Mahboob
8. Dr. Ramasamy Subramaniam
9. Dr. Vikash Kumar
10. Mr. Navin Shrinivas Talkukul

**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)
DEPARTMENT OF MATHEMATICS**

Board of Studies Meeting

Board of Studies meeting of Department of Mathematics regarding II B.Tech, I & II Semester syllabus and III B.Tech (Open Electives) of R20 regulations held on 31.08.2021 at 10 A.M through Microsoft teams.

Agenda:

1. Opening remarks by BOS chairman
2. Introduction of External Subject Experts to the Committee members
3. Discussion on Proposed courses for UG (II B.Tech, III B.Tech)
 - a. Probability and Statistics for Computer Science (CSE, CST, DS, AI, IOT, CS)
 - b. Probability and Statistics for Engineers (EEE, Civil)
 - c. Probability & Statistics (ME)
 - d. Probability Theory and Stochastic Processes (ECE)
 - e. Discrete Mathematical Structures (CSE, CST, DS, AI, IOT, CS)
 - f. Advanced Numerical Methods, Engineering Optimization (Open Electives)
4. Any other matter
5. Reveal the resolutions made by BOS members
6. Vote of Thanks

P. N. Reddy
Head

HEAD
Department of Mathematics
MADANAPALLE INSTITUTE OF
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Probability and Statistics for Computer Science

Resolutions:

Resolve to approve the II. B. Tech I Semester Course structure and Syllabus for CSE, CST CSE-D.S, CSE-AI, CSE-IOT, CSE-CS

The suggestions of B.O.S Members are given below:

1. Discuss charts and diagrams in IV unit in descriptive statistics

2. Discuss / frame application oriented problems in the course.

P. R. Reddy

(DR. P. RAMESH REDDY)

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Probability & statistics

Resolutions:

Resolve to approve the II B.Tech - I semester course structure and syllabus for Mechanical Engineering branch

The suggestions of BOS members are given below:

1. Add classical definition of probability in unit-1 ^{and application}
2. Frame the questions more practical oriented to ~~promote~~ student, better understanding the concepts.

Control the authority
(Dr. J.S.V. Narasimha Murthy)

Probability and Statistics for Engineers

Resolutions:

Resolve to approve the II B.Tech-II Sem Course Structure and Syllabus for Civil Engineering and Electrical and Electronics Engineering (EEE)

The suggestions of B.O.S members are as follows

1. 'Introduction to Probability' and 'Random Variables' can be combined into one Unit.
2. Introduce Analysis of Variance (ANOVA) as V Unit.

P. R. Reddy

(Dr. P. RAMESH REDDY)

Probability Theory and stochastic processes

Resolutions: Resolve to approve the I B.Tech II Semester course for Electronics and Communication Engineering Branch and the syllabus.

The following suggestions are advised by the BOS members.

→ Start with classical definition of probability.

→ One of the BOS members raised about the "probability mass function (pmf)" but in Communication Engineering pmf can be expressed in terms of probability density function using unit impulse function. They agreed.

Approved & signed
(Dr. K.V. Narasimha Murthy)

Resolutions: Resolve to approve the II B.Tech
II Semesters course structure and syllabus
for CSE, CST, AI, DS, CS, IOT

The following suggestions are advised by the
Bos members

1. The sub sections should be kept on order.
2. one of the Bos members raised about
the Set theory and relations which are
must be contained in an algebraic structure
or unit-IV.
3. Include more algorithm based methods
for computer applications

Dr. Diparna Tyagi Mohanty

III B.Tech Open Elective Courses

Resolutions: Resolve to approve the III B.Tech open Elective Courses and syllabus
of Advanced Numerical Methods and Engineering optimization

Approved to follow the syllabus and its content of the courses R18.

Approved to R18

R. Saravana
(Dr. R. Saravana)

~~P. R. Reddy~~
Department of Mathematics
MADRASA INSTITUTE OF
TECHNOLOGY & SCIENCE
MADRASA - 517 325

- 1. Dr. P. Ramesh Reddy
BOS, chairman
- 2. Dr. Y.V.S.S. Sanyasi Raju
(BOS Member) Accepted and approved the syllabus through online meeting
P.R. Reddy
- 3. Dr. Srinivas Subipedi
(BOS Member) Accepted and approved the syllabus through online meeting
P.R. Reddy
- 4. Dr. G. Shobha Latha
BOS Member, nominated by VC, JNTUA Accepted and approved the syllabus through online meeting
P.R. Reddy
- 5. Dr. Ravindra Babu Tallamraju.
(BOS Member & Expert from Industry) Accepted and approved the syllabus through online meeting
P.R. Reddy

Faculty Members:

- 1. Dr. K.V. Narasimha Murthy Co-ordinator
- 2. Dr. R. Saravana Saravana
- 3. Dr. A. Subba Rao Approved
- 4. Dr. Dipansa Tyothi Reddy Dr
- 5. Dr. Manoj Kumar Singh Manoj
- 6. Dr. M.D. Gulzar ul Hassan Gulzar
- 7. Dr. Ahsan Habibullah Ahsan
- 8. Dr. Ramasamy Subramanyam S. Ram Sry
- 9. Dr. Nikesh Kumar Nikesh Kumar
- 10. Mr. Nandan Shrinivas Talkotul Nandan

Date: 24/9/2021

The Academic Council meeting was held on 20th September 2021, the academic Council members advised the Department of Mathematics to maintain the course structure with 4 mandatory courses for all B.Tech degree programme. In this regard, the department of Mathematics in consultation with Vice-Principal (Academics), Coll. department Head of the department of ECE, Academic coordinators and by observing various Indian and foreign universities proposed two mathematics courses

- (i) "Numerical Methods" for ME, EEE and Civil Engg. branches
- (ii) "Transforms and partial differential Equations" for ECE branch

The proposed syllabus has presented to BOS members and received their approval for the said courses.

Numerical Methods 20MAT102

Resolutions: Resolve to approve the II B.Tech I semester course for ME, EEE and Civil Engineering branches

The proposed syllabus was approved by the BOS members without changes

(Signature)
(Dr. A. SUBBA RAO)

Transforms and partial Differential Equations (COMAT 113)

Resolution: Resolve to approve the II B.Tech I Semester
course for Electronics and Communication
Engineering Branch

The proposed syllabus was accepted and approved
by the BOS members without changes.

P. Narasimha Murthy
Dr. K.V. Narasimha Murthy
Course Coordinator

1. Dr. P. Ramesh Reddy
BOS chairman

P. Ramesh Reddy
Department of Mathematics
MADANAPALLE INSTITUTE OF
TECHNOLOGY & SCIENCE
MADANAPALLE - 517 325

2. Dr. Y.V.S.S. Sanyaliraju
(BOS Member)

Accepted and approved the syllabus
through e-mail

P. Ramesh Reddy

3. Dr. Srinivas Sripadab
(BOS Member)

Accepted and approved the syllabus
through e-mail

P. Ramesh Reddy

4. Dr. G. Shobhalatha

(BOS Member nominated by IATA) through e-mail

Accepted and approved the syllabus

5. Dr. Ravindra Balu Tallamraju

(BOS Member & Expert from Industry) through e-mail.

Accepted and approved the syllabus

P. Ramesh Reddy