MITS

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(Deemed to be University under section 3 of UGC Act, 1956)

DEPARTMENT OF MATHEMATICS

Minutes of Board of Studies Meeting (R25 & R26 Regulations)

The meeting of the Board of Studies (BoS) of the Department of Mathematics was held on **19.06.2026 at 3:00 PM** through **Microsoft Teams** to discuss and approve the syllabi of I & II B.Tech. and I BCA courses under R25 Regulations.

Board of Studies Members:

BoS Chairman:
Dr. P. Ramesh Reddy
Head, Department of Mathematics
MITS Deemed to be University, Madanapalle

Subject Expert (Nominated by Vice Chancellor):
Dr. Y. V. S. S. Sanyasiraju
Professor, Department of Mathematics, IIT Madras, Chennai

Industry Expert (Nominated Vice Chancellor):
Dr. Yadavendra Babu K
General Manager & Technical Leader
Global Data Insights and Analytics, Ford, Chennai

BoS Members:

1. Dr. R. Saravana – Associate Professor
2. Dr. K. V. Narasimha Murthy – Associate Professor
3. Dr. T. Chalapathi – Assistant Professor

Faculty Invitees:

1. Dr. A.Subbarao — Assistant Professor
2. Dr.Kata Sreelakshmi — Assistant Professor
3. Dr.P.Ramesh — Assistant Professor
4. Dr.T.Thamizharasan — Assistant Professor
5. Dr.P.Bharath Kumar — Assistant Professor
6. Dr.Bibin Mathew — Assistant Professor
7. Dr.Bhanupriya C.K — Assistant Professor
8. Dr.Sangeetha Dhawan — Assistant Professor

Agenda Points

1. Opening remarks by the BoS Chairman
2. Introduction of External Subject Experts
3. Discussion and approval of II Year B.Tech. Mathematics courses and syllabi
4. Discussion and approval of I Year B.Tech. (Bioinformatics) Mathematics courses and syllabi
5. Discussion and approval of I Year BCA Mathematics courses and syllabi
6. Approval to adopt existing I B.Tech. (R25 Regulation) Mathematics courses for new programmes
7. Any other matter with the permission of the Chair
8. Resolutions of the BoS members
9. Vote of thanks

Proceedings

Dr. P. Ramesh Reddy, HoD & BoS Chairman, commenced the meeting by extending a warm welcome to the External Subject Experts, followed by Dr. R. Saravana, Academic Coordinator, introducing the experts to the faculty members of the Department.

The proposed syllabi for various Mathematics courses were presented by the Academic Coordinator along with the respective course coordinators.

Discussions and Resolutions

The syllabi presented for the following courses were discussed in detail:

- Numerical Methods (CE, ME)
- Probability & Statistics for Engineers (CE, ME)
- Numerical Methods and Transforms (EEE)
- Differential Equations and Transforms (ECE)
- Probability Theory and Stochastic Processes (ECE)
- Discrete Mathematical Structures (CSE, CSE – AI, AIML, DS, CS)
- Probability and Statistics for Computer Science (CSE, CSE – AI, AIML, DS, CS)
- Calculus and Differential Equations (Bioinformatics)
- Matrices and Linear Algebra (Bioinformatics)
- Discrete Mathematics (BCA)
- Probability & Statistics (BCA)

The above syllabi were, in general, **accepted by the BoS members**. However, the following suggestions and modifications were made:

1. For the course *Numerical Methods and Transforms (EEE)*, in view of limited teaching hours, it was recommended to exclude the topics **finite differences** and **fitting of power curves**.
2. The course *Matrices and Linear Algebra (Bioinformatics)* was recommended to be renamed as **Linear Algebra for Bioinformatics**.
3. The expert members suggested incorporating more **application-oriented problems** in the Bioinformatics courses, namely:
    - Calculus and Differential Equations
    - Linear Algebra for Bioinformatics
4. The BoS approved the adoption of existing I B.Tech. (R25 Regulation) Mathematics courses:
    - Calculus for Computer Science (25BAMATTC02)
    - Linear Algebra (25BAMATTC05)

for the newly introduced programmes:B.Tech. (Artificial Intelligence & Data Science) and B.Tech. (Artificial Intelligence & Robotics).

5. Minor corrections across all courses were noted and recorded.

Approval of Syllabi

The revised syllabi, incorporating all the above suggestions and corrections, were circulated to the BoS expert members. The syllabi of all **13 courses** were **approved by the BoS expert members through email**, and the same has been duly recorded for official purposes.

Conclusion

All the agenda items were discussed in detail, and the resolutions were duly made by the BoS members. The meeting concluded with a vote of thanks to the Chair and the expert members for their valuable guidance and support.

P. Ramesh Reddy

Dr. P. Ramesh Reddy
Head & BoS Chairman
Department of Mathematics

Head of the Department
Mathematics
Madanapalle Institute of Technology & Science
MADANAPALLE - 517 325

Outlook

Re: Submission of Revised Syllabi and Request for Approval – BoS (Mathematics)-Reg

From yadavendra babu <drsybabu@gmail.com>
Date Mon 6/22/2026 4:00 PM
To HoD-Mathematics Department <mathshod@mits.ac.in>

Dear sir,
I approve the syllabi for all 13 courses listed below.

Thanks,

Dr. Yadavendra Babu Sunkara
General Manager and Technical Leader
Global Data Insights and ANalytics
Ford Motor Company
Chennai, Tamil Nadu 600119
Mobile :+91-8754409008

On Sat, Jun 20, 2026 at 1:26 PM HoD-Mathematics Department <mathshod@mits.ac.in> wrote:

> Respected Sir,
>
> On behalf of the Department of Mathematics, MITS Deemed to be University, I sincerely thank you for your valuable inputs and support.
>
> As discussed during the BoS meeting, the suggested modifications have been duly incorporated, and the final version of the syllabi for the following courses is attached herewith:
>
> **II B.Tech Mathematics Courses:**
>
> 1. Numerical Methods (CE, ME)
> 2. Probability & Statistics for Engineers (CE, ME)
> 3. Numerical Methods and Transforms (EEE)
> 4. Differential Equations and Transforms (ECE)
> 5. Probability Theory and Stochastic Processes (ECE)
> 6. Discrete Mathematical Structures (CSE, CSE – AI, AIML, DS, CS)
> 7. Probability and Statistics for Computer Science (CSE, CSE – AI, AIML, DS, CS)
>
> **I B.Tech (Bioinformatics) Mathematics Courses:**
>
> 8. Calculus and Differential Equations (Bioinformatics)
> 9. Linear Algebra for Bioinformatics (Bioinformatics)
>
> **I BCA Mathematics Courses:**
>
> 10. Discrete Mathematics (BCA)
> 11. Probability & Statistics (BCA)
>
> Further, approval is also sought to adopt the existing I B.Tech. (R25 Regulation) Mathematics courses, namely **Calculus for Computer Science (25BAMATTC02)** and **Linear Algebra**

(25BAMATTC05), for the newly introduced programmes: B.Tech. (Artificial Intelligence & Data Science) and B.Tech. (Artificial Intelligence & Robotics).

Thus, the syllabi of a total of 13 courses are submitted for your kind consideration and approval.

I kindly request you to provide your approval for record purposes.

Thank you for your continued support.

With best regards,

Dr.P.Ramesh Reddy M.Sc., Ph.D
Assistant Professor & Head
Department of Mathematics
MITS (Deemed to be University)
Angallu, Madanapalle-517325,Andhra Pradesh
Mobile :+91-9100973393
Email: mathshod@mits.ac.in , rameshreddyp@mits.ac.in

Outlook

Re: Submission of Revised Syllabi and Request for Approval – BoS (Mathematics)-Reg

From Sanyasiraju Y V S S <sryedida@iitm.ac.in>
Date Wed 6/24/2026 3:10 PM
To HoD-Mathematics Department <mathshod@mits.ac.in>
Cc yadavendra babu <drsybabu@gmail.com>

The courses and their syllabi are approved.

Sanyasiraju VSS Yedida PhD, Professor
Department of Mathematics, IIT Madras, Chennai 600036, India
Phone: +91 44 22574621 (Office) +91 44 22576621 (Residence)
Fax: +91 44 22574602, Email:
sryedida@iitm.ac.in

URL: http://math.iitm.ac.in/sryedida

From: HoD-Mathematics <mathshod@mits.ac.in>
To: Sanyasiraju <sryedida@iitm.ac.in>; yadavendra <drsybabu@gmail.com>
Date: Saturday, 20 June 2026 1:26 PM IST
Subject: Submission of Revised Syllabi and Request for Approval – BoS (Mathematics)-Reg

Respected Sir,

On behalf of the Department of Mathematics, MITS Deemed to be University, I sincerely thank you for your valuable inputs and support.

As discussed during the BoS meeting, the suggested modifications have been duly incorporated, and the final version of the syllabi for the following courses is attached herewith:

II B.Tech Mathematics Courses:

1. Numerical Methods (CE, ME)
2. Probability & Statistics for Engineers (CE, ME)
3. Numerical Methods and Transforms (EEE)
4. Differential Equations and Transforms (ECE)
5. Probability Theory and Stochastic Processes (ECE)
6. Discrete Mathematical Structures (CSE, CSE – AI, AIML, DS, CS)
7. Probability and Statistics for Computer Science (CSE, CSE – AI, AIML, DS, CS)

I B.Tech (Bioinformatics) Mathematics Courses:

8. Calculus and Differential Equations (Bioinformatics)
9. Linear Algebra for Bioinformatics (Bioinformatics)

I BCA Mathematics Courses:

10. Discrete Mathematics (BCA)
11. Probability & Statistics (BCA)

Further, approval is also sought to adopt the existing I B.Tech. (R25 Regulation) Mathematics courses, namely **Calculus for Computer Science (25BAMATTC02)** and **Linear Algebra (25BAMATTC05)**, for the newly introduced programmes: B.Tech. (Artificial Intelligence & Data Science) and B.Tech. (Artificial Intelligence & Robotics).

Thus, the syllabi of a total of 13 courses are submitted for your kind consideration and approval.

I kindly request you to provide your approval for record purposes.

Thank you for your continued support.

With best regards,

Dr.P.Ramesh Reddy M.Sc., Ph.D
Assistant Professor & Head
Department of Mathematics
MITS (Deemed to be University)
Angallu, Madanapalle-517325,Andhra Pradesh
Mobile :+91-9100973393
Email: mathshod@mits.ac.in , rameshreddyp@mits.ac.in

R-25
9 R-26

Board of studies Meeting – 19.06.2026

Minutes of the meeting:

The meeting of the Board of Studies (BOS) of the department of Mathematics was held on 19.06.2026 at 3:00 pm through MS Teams to discuss and approve the Syllabi of II Year B.Tech programmes, I Year B.Tech Bioinformatics programme and I year BCA programme Courses under R25 and R26 Regulations.

BOS Members:

BOS chairman : Dr. P. Ramesh Reddy
Head, Dept. of Mathematics
MITS Deemed to be University
Madanapalle.

Subject Expert (Nominated by Vice-chancellor)
Dr. Y.V.S.S. Sanyasiraju
professor, Dept. of Mathematics
IIT Madras, Chennai

Industry Expert nominated by Vice-chancellor
Dr. Yadavendra Babu K
General Manager & Tech. Leader,
Global Data Insights & Analytics
Fold, Chennai

BOS Members:

1. Dr. R. Sravana — Associate Professor
2. Dr. K.V. Narasimha Murthy — Associate Professor
3. Dr. T. Chalapathi — Asst. professor.

Faculty Invitees:

1. Dr. A. Subba Rao — Asst. Professor
2. Dr. Katta Sree Lakshmi — Asst. professor
3. Dr. P. Ramesh — Asst. professor
4. Dr. T. Thamizhazhagan — Asst. Professor
5. Dr. Pujari Bharath Kumar — Asst. Professor
6. Dr. Bibin Mathew — Asst. Professor
7. Dr. Bhanu priya C.K. — Asst. Professor
8. Dr. Sangeetha Dhawan — Asst. Professor.

Agenda Points:

1. opening remarks by the BOS chairman.
2. Introduction of External Subject Experts.
3. Discussion and approval of II Year B.Tech. Mathematics Courses and their Syllabi
4. Discussion and approval of I Year B.Tech Bioinformatics Mathematics Courses and Syllabi
5. Discussion and approval of I Year BCA Mathematics Courses and their Syllabi
6. Approval to adopt existing I B.Tech (R25) Mathematics Courses for new programmes.
7. Any other matter with the permission of the chair
8. Resolutions of the BOS Members.
9. Vote of Thanks

Proceedings

Dr. P. Ramesh Reddy, HOD & BOS Chairman, commenced the meeting by extending a warm welcome to the external Subject Experts, followed by Dr. R. Saravana, Academic Coordinator introducing the experts to the faculty members of the department.

The Proposed Syllabi for various Mathematics Courses were presented by the Academic coordinator along with respective Course Coordinators

Discussion and Resolutions:

The Syallabi presented for the following courses were discussed in detail:

II Year B.Tech Mathematics Courses:

1. Numerical Methods (Common to CE and ME)
2. Probability & statistics for Engineers (Common to CE and ME)
3. Numerical Methods and Transforms (EEE)
4. Differential Equations and Transforms (ECE)
5. Probability Theory and stochastic Processes (ECE)
6. Discrete Mathematical structures (CSE and allied Branches)
7. Probability and statistics for Computer sciences (Common to CSE, CSE-AI, AI&ML, DS, CS)

I Year B.Tech (Bioinformatics) Mathematics Courses:

8. Calculus and Differential Equations
9. Linear Algebra for Bioinformatics

I Year BCA Mathematics Courses:

10. Discrete Mathematics
11. Probability and Statistics

Existing Mathematics Courses for New Programmes for B.Tech in I Year:

12. Calculus for Computer Science (25BAMATT102)
13. Linear Algebra (25BAMATT105)

The above Syllabi were, in general, accepted by BOS members. However, the following Suggestions and modifications were made:

1. For the Course "Numerical Methods and Transforms", in view of limited teaching hours, it was recommended to exclude the Simple topics, finite differences and fitting of Power curves.

2. The Course Linear Algebra for Bioinformatics was Suggested by the BOS members in place of "Matrices and Linear Algebra"

3. The expert members Suggested incorporating more application oriented problems for Bioinformatics Mathematics Courses.

4. The BOS approved the adoption of existing I Year B.Tech Mathematics Courses, Calculus for Computer Science, Linear Algebra for the newly introduced programmes
B.Tech - AI & DS
B.Tech - AI & Robotics

5. Minor corrections across all courses noted and recorded

Approval of Syllabi

The revised Syllabi, incorporating all the above suggestions and corrections were circulated to the BoS expert members. The Syllabi of all the 13 courses were approved by the BoS expert members through e-mail and the same has been duly recorded for official purpose.

Submission of Revised Syllabi and Request for Approval – BoS (Mathematics)-Reg

Summarize this email

S Sanyasiraju Y V S S<sryedida@iitm.ac.in>

To: HoD-Mathematics Department

Cc: yadavendra babu <drsybabu@gmail.com>

Wed 6/24/2026 3:10 PM

The courses and their syllabi are approved.

Sanyasiraju VSS Yedida PhD, Professor
Department of Mathematics, IIT Madras, Chennai 600036, India
Phone: +91 44 22574621 (Office) +91 44 22576621 (Residence)
Fax: +91 44 22574602, Email:
sryedida@iitm.ac.in

URL: http://math.iitm.ac.in/sryedida

YB yadavendra babu<drsybabu@gmail.com>

To: HoD-Mathematics Department

Mon 6/22/2026 4:00 PM

Dear sir,
I approve the syllabi for all 13 courses listed below.

Thanks,

Dr. Yadavendra Babu Sunkara
General Manager and Technical Leader
Global Data Insights and ANalytics
Ford Motor Company
Chennai, Tamil Nadu 600119
Mobile :+91-8754409008

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