MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(Deemed to be University)

DEPARTMENT OF MATHEMATICS

Minutes of Board of Studies Meeting (R25)

Minutes of Board of Studies meeting of Department of Mathematics regarding I B.Tech syllabus of R25 regulations held on 28.08.2025 at 3.00 P.M through Microsoft teams.

Members Present:

BOS Chairman: Dr. P. Ramesh Reddy
Head, Department of Mathematics
MITS Deemed to be University
Madanapalle – 517325
Andhra Pradesh.

Subject Expert nominated by Vice Chancellor:

1. Dr. Y. V. S. S. Sanyasiraju
Professor, Department of Mathematics
IIT Madras
Chennai-600036, Tamilnadu

Industry Expert nominated by Vice Chancellor:

2. Dr.Yadavendra Babu.K
General Manager and Technical Leader,
Global Data Insights and Analytics,
Ford Company, Chennai-600119, India.

BoS Members of Department of Mathematics:

1.	Dr. R.Saravana	Associate Professor
2.	Dr. K. V. Narasimha Murthy	Associate Professor
3.	Dr. T. Chalapathi	Assistant Professor
4.	Dr. Ramasamy Subramaniam	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.Muragan	Assistant Professor
6.	Dr.Kezia Saini	Assistant Professor
7.	Dr.P.Bharath Kumar	Assistant Professor
8.	Dr.Bibin Mathew	Assistant Professor
9.	Dr.BhanuPriya C.K	Assistant Professor
10.	Dr.Sangeetha Dhawan	Assistant Professor

11:10 AM
Outlook
Re: Request
From yada
Date Sat
To
Cc

Agenda:

1. Opening remarks by the BoS Chairman
2. Introduction of External Subject Experts to the Committee members
3. Discussion, resolution, and approval of the I B.Tech I & II Semester Mathematics course structure and syllabi for various branches
4. Any other matter with the permission of the Chair

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

The proposed syllabi for the following courses were presented to the BoS members by the Academic Coordinator along with the respective course coordinators

- **I B.Tech I & II Semester Regular Courses:**
  - Engineering Calculus (CE, ME, EEE, ECE)
  - Calculus (CSE, CAI, CSD, CSC, CSM)
  - Linear Algebra (CSE, CAI, CSD, CSC, CSM)
  - Linear Algebra and Differential Equations (CE, EEE, ME)
  - Linear Algebra and Complex Variables (ECE)

Discussions and Resolutions:

1. For **Calculus**, the subject experts recommended to include the topics *Sequence and Series* and *Fourier Series*.
2. For **Engineering Calculus**, it was suggested to use the term *Indeterminate Forms of Limits* in place of *Indeterminate Forms*.
3. For **Linear Algebra**, the experts advised to discuss the inverse of a matrix prior to covering the system of linear equations.
4. For **Linear Algebra and Complex Variables**, the experts recommended incorporating more application-based problems.
5. For **Linear Algebra and Differential Equations**, the experts suggested adding more application problems and including *Erwin Kreyszig* as a reference textbook.
6. A few minor corrections across all courses were noted and duly recorded in the BoS meeting logbook.

Conclusion:

The revised syllabi, incorporating the above suggestions and corrections, were unanimously approved by the BoS members.

P. R Reddy

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

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

Outlook

Re: Request for BoS Approval of Mathematics Courses -reg

From yadavendra babu <drsybabu@gmail.com>
Date Sat 8/30/2025 11:15 AM
To Sanyasiraju Y V S S <sryedida@iitm.ac.in>
Cc HoD-Mathematics Department <mathshod@mits.ac.in>

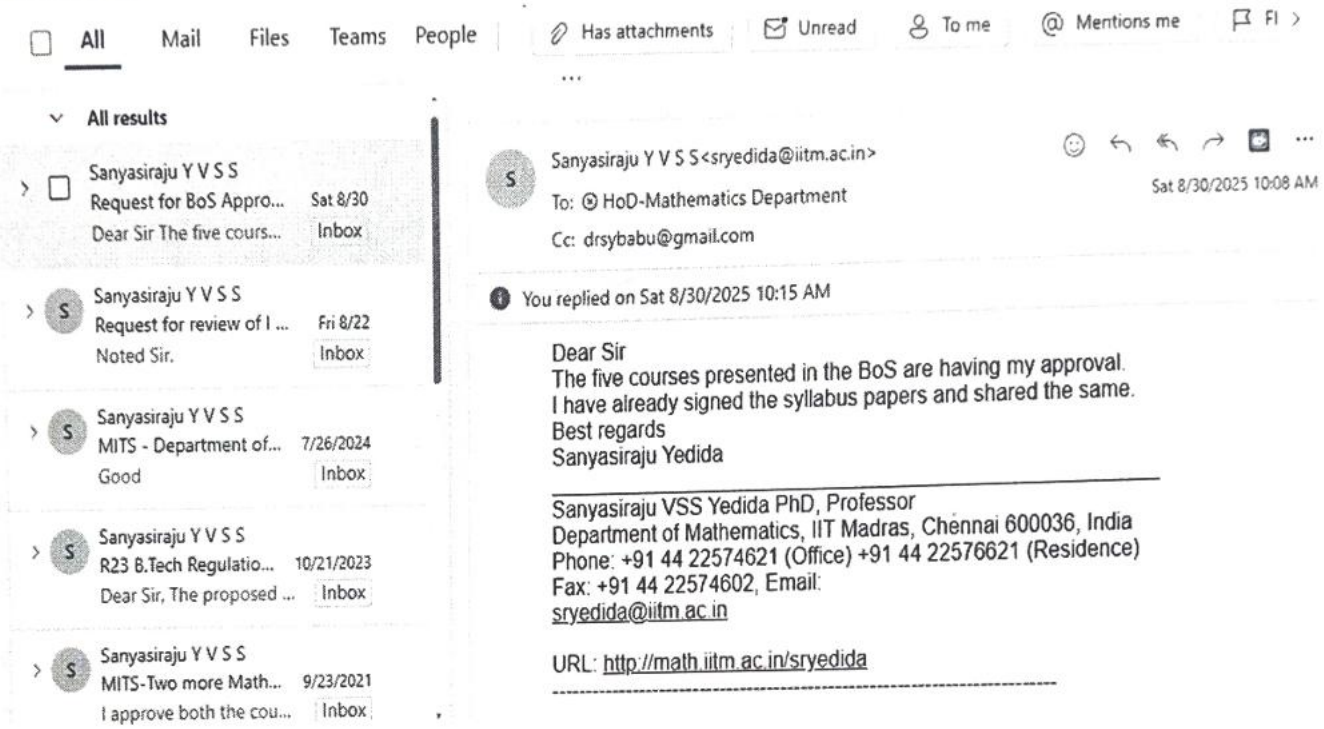
Dear sir,
I approve all the five courses presented in the BoS meeting.

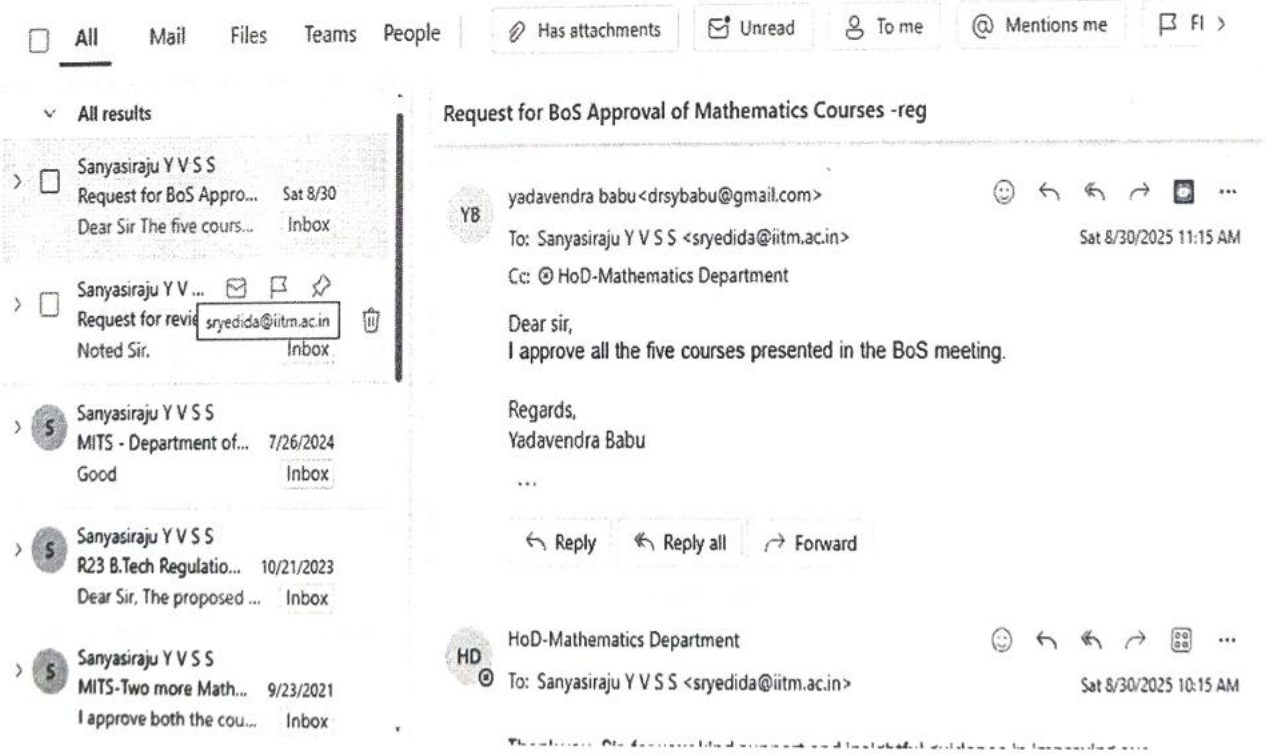
Regards,
Yadavendra Babu

On Sat, 30 Aug 2025 at 10:08 AM, Sanyasiraju Y V S S <sryedida@iitm.ac.in> wrote:

> Dear Sir
> The five courses presented in the BoS are having my approval.
> I have already signed the syllabus papers and shared the same.
> Best regards
> Sanyasiraju Yedida
>
> ---
> 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>; drsybabu <drsybabu@gmail.com>
> **Date:** Friday, 29 August 2025 3:37 PM IST
> **Subject:** Request for BoS Approval of Mathematics Courses -reg
>
> Respected Sir,
>
> Greetings from the Department of Mathematics, MITS (Deemed to be University)!
>
> As per the request and inputs of the *Professor of Practice in Computer Science*, and the instructions received from our *Principal*, we have prepared an alternate **Calculus** course, slightly deviated from the *Engineering Calculus*, to better align with the requirements of Computer Science students.
>
> I am enclosing herewith the **proposed syllabus** of the same for your kind perusal. I kindly request the esteemed BoS members to go through the syllabus and provide your feedback and approval at the earliest, since the class work is scheduled to commence from **1st September**.

Department of Mathematics BoS Meeting – Approval Confirmations from Subject and Industry Experts





Dr. P. Ramesh Reddy
HoD Mathematics
(BoS- Chairman)

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

R-25

Board of studies meeting – 28.08.2025

Minutes of the meeting

A meeting of Board of studies (BOS) of the department of Mathematics held on 28.08.2025 at 8 PM Through MS-Teams regarding I B.Tech Courses and their Syllabus of R25 Regulations.

BOS Members

BOS chairman : Dr. P. Ramesh Reddy
Head, Dept. of Mathematics
MITS Deemed to be University
Madanapalle – 517325 (A.P)

Subject Expert nominated by Vice-chancellor
: Dr. Y.V.S.S. Sanyasiraju
Professor, Dept. of Mathematics
I.I.T. Madras
Chennai – 600036 (T.N.)

Industry Expert nominated by Vice-Chancellor
: Dr. Yadavendra Babu. K
General Manager and Technical Leader
Global Data Insights and Analytics
Fold Company – Chennai

BOS Members of Dept. of Mathematics

1. Dr. R. Sridevi — Associate Professor
2. Dr. K.V.N. Murthy — Associate Professor
3. Dr. T. Shalapathi — Asst. professor
4. Dr. Ramasamy Subramanyam — Asst. prof.

Agenda:

1. opening remarks by BOS chairman
2. Introduction of External Subject Experts to the Committee members.
3. Discussion on Proposed Course Syllabi for UG - I B.Tech I & II Semesters Mathematics Courses
   (i) Engineering Calculus (for CE, EEE, ME & BCE)
   (ii) Calculus (CSE, CSE-AI, CSE-DS, CSE-CS, CSE-AI & ML)
   (iii) Linear Algebra and Differential Equations (CE, ME and EEE)
   (iv) Linear Algebra and Complex Variables (ECE)
   (v) Linear Algebra (CSE, CSE-AI, CSE-DS, CSE-CS, CSE-AI
4. Any other matter with the permission of the chair
5. Reveal the resolutions made by BOS members
6. Vote of thanks

Dr. P. Ramesh Reddy Chairman of BOS, Commenced the BOS meeting by extending a warm welcome to the external Subject experts.

Dr. R. Sahavona, Academic Co-ordinator introduced the external experts to the faculty members of the department of Mathematics.

The proposed Syllabi for the following Courses were presented to the BOS members by the Academic Co-ordinator along with the respective Course Co-ordinators.

- I B.Tech I & II Semesters Regular Mathematics Courses

(i) Engineering Calculus:

Resolutions: Resolve to approve the I B.Tech I Sem. Engineering Calculus Course for CE, EEE, ME & ECE branches.

The Suggestions of BOS members are

(a) Use the term "Indeterminate Forms of Limits" in place of 'Indeterminate forms'

(b) Include the topics of Sequences and series, Fourier Series in Highes Semesters.

(ii) Calculus

Resolutions: Resolve to approve the I B.Tech I Sem. Calculus Course for CSE, CSE-AI, CSE-DS, CSE-CS and CSE-AI&ML branches

The Suggestions of BOS members are

(a) Include the topics "Sequences and Series" and "Fourier Series"

(b) To include the above said topics, exclude the topics of "Definite Integrals and its Applications"

(iii) Linear Algebra and Differential Equations

Resolutions: Resolve to approve the I B.Tech II Sem. Linear Algebra and Differential Equations Course for CE, EEE and ME branches

The Suggestions of BOS members are,

(a) Introduce Erwin Kreyszig, Advanced Engineering Mathematics as a reference book.

(b) Discuss the formulae for Fourier coefficients in Fourier Series under topics beyond the Syllabus.

(iv) Linear Algebra and Complex Variables (ECE)

Resolution: Resolve to approve I B.Tech - II Semester Linear Algebra and Complex Variables Course for ECE Branch.

The Suggestions of BoS members are

(a) Incorporate more applications in Communication Engineering Branch.
(b) Discuss the importance of real Q.Fs

(v) Linear Algebra

Resolution: Resolve to approve I B.Tech - II Semester Linear Algebra Course for CSE, CSE-AI, CSE-DS, CSE-CS and CSE-AI&ML. Branches.

The Suggestions of BoS members are,

(a) Discuss the inverse of a matrix prior to covering the System of linear equations.

(b) "powers of a matrix" instead of "Powers of matrices"

Conclusions

Incorporated the above suggestions and corrections in the Syllabi of B.Tech I year I & II Semester Mathematics Courses and the revised Syllabi was approved by the BOS members.

Course co-ordinators for the following courses:

(i) Engineering Calculus — Dr. R. Saravana/A. Subba Rao - Rsaravana

(ii) Calculus — Dr. R. Saravana - Rsaravana

(iii) Linear Algebra and Differential Equations — Dr. Ramasamy Subramaniam - S. Ramasamy

(iv) Linear Algebra and Complex Variables — Dr. K.V. Narasimha Murthy

(v) Linear Algebra — Dr. R. Saravana - Rsaravana

The Syllabus copies have been Communicated to BOS members through e-mail and received their approvals for the said Courses.

P. Ramesh Reddy

(Dr. P. Ramesh Reddy)
Head & Chairman — BOS
Department of Mathematics

HEAD
Department of Mathematics
MADANAPALLE INSTITUTE OF
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MADANAPALLE - 517 325

BOS chairman

Dr. P. Ramesh Reddy — P. Ramesh Reddy

BOS Members

1. Dr. R. Saravana — R. Saravana
2. Dr. K.V. Narasimha Murthy — COE Copy
3. Dr. T. Chalapathi —
4. Dr. Rama Samy Subramanian — S. Rama Samy

Faculty Invitees

1. Dr. A. Subba Rao — Asst. Professor
2. Dr. K. Sreelakshmi — Asst. Professor — K. Sreelakshmi
3. Dr. P. Ramesh — Asst. Professor — P. Ramesh
4. Dr. T. Thamizhazhagan — Asst. Professor — T. Thamizhazhagan
5. Dr. P. Murugan — Asst. Professor — P. Murugan
6. Dr. Kezia Saini — Asst. Professor — Kezia
7. Dr. P. Bhakth Kumar — Asst. Professor
8. Dr. Bibin Mathew — Asst. Professor
9. Dr. Bhanu Priya CK — Asst. professor
10. Dr. Sangeetha Bhawan — Asst. Professor — Sangeetha Bhawan