



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



Affiliated to JNTUA, Anantapuramu & Approved by AICTE, New Delhi
Recognised Research Center, Accredited by NBA, NAAC for CSE, ECE, EEE, ME & MBA
World Bank funded Institute, Recognised by UGC under the sections 2(f) and 12(B) of the UGC act 1956
Recognised as Scientific & Industrial Research Organization by DSIR of DST

Department of Mathematics

Date: 15-06-2018

Members of the Board of Studies for the Academic Year 2018-19

S.No.	Name of the member	Composition as per the UGC-Autonomous guidelines	Designation & Address
1	Dr. Shukla Vidya Prasad	Head of the Department concerned (Chairman)	Professor & HOD, Department of Mathematics, MITS, Madanapalle
2	Dr. Y.V.S.S Sanyasi Raju	Subject Expert	Professor, Department of Mathematics, IITM-Chennai sryedida@iitm.ac.in 091 4422574621
3	Dr. Srinivas Suripeddi	Subject Expert	Professor, Department of Mathematics, VIT-AP University, Amaravathi srinusuripeddi@hotmail.com 9894243574
4	Dr. G. Shobhalatha	Expert nominated by the Vice-Chancellor	Professor & HOD, Department of Mathematics, Sri Krishnadevaraya University, Anantapuramu lathashobha91@gmail.com
5	Dr. Ravindra Babu. Tallamraju	Expert from Industry/ corporation sector	Data Scientist at Flipkart Information Technology & Services, Bangalore avindrababu.t@gmail.com 97399 07725

Dr. Shukla Vidya Prasad
Professor & HOD
Mathematics
MITS, Madanapalle

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Department of Mathematics
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Dr. C. Yuvaraj
Professor & Principal
MITS, Madanapalle
PRINCIPAL

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Department of MathematicsBoard of Studies Meeting

Minutes of the meeting

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03/07/2018

A meeting of Board of Studies (BOS) of the department of Mathematics held at 10 AM on Tuesday i.e. 3rd July 2018 at Conference room in the college campus.

Members Presented:

BOS Chairman : Dr. Shukla Vidya Prabodh,
Professor and head of department of
Mathematics
MITS, madanapalle.

Subject Experts : 1. Dr. Y.V.S.S. Sanyalraju
Professor
Dept. of mathematics
PITM - Chennai 600 036

2. Dr. Srinivas Sripeddi
Professor
Department of mathematics
VIT-AP University
Amravathi - 522 237

Expert in the subject : 3. Dr. G. Shobhalatha
Professor and head
nominated by VC
Department of Mathematics
Sri Krishnadevaraya University
Anantapur - 515 008

Expert from Industry : 4. Dr. Ravindra Balu Tallamraju
Data Scientist at Flipkart.com
Information Technology & Services

Members:

1. Dr. K.V. Narasimha Murthy
2. Dr. M. Sudhakar Reddy
3. Dr. N. Nagendra
4. Dr. S. Ghouse Mohiddin



- 5. Dr. Benaki Lajemjam
- 6. Dr. S. Jaelani Begum
- 7. Dr. R. Saravama
- 8. Dr. P. Devaki
- 9. Dr. A. Subba Rao
- 10. Dr. B. Venkateswulu
- 11. Dr. P. Ramesh Reddy
- 12. Dr. P. Rajendra
- 13. Dr. Jeeva Satya Singh
- 14. Dr. G. Ramu
- 15. MS. Soniya Choudhary
- 16. Mr. Prabog Alam

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
DEPARTMENT OF MATHEMATICS

BOARD OF STUDIES MEETING

DATE: 03.07.2018

AGENDA: BOARD OF STUDIES MEETING of the department of Mathematics will be held on 03.07.2018 at 10.00 AM at Conference Room in the College campus.

- 1. Introduce the external experts
- 2. Opening remarks by BOS Chairman
- 3. Discuss on proposed regular courses for UG
 - a. CALCULAS AND DEFFERENTIAL EQUATIONS (18MAT105)
 - b. LINEAR ALGEBRA, COMPLEX VARIABLES & NUMERICAL METHODS & TRANSFORM CALCULAS (18MAT107)
 - c. NUMERICAL METHODS & TRANSFORM CALCULAS (18MAT106)
 - d. LINEAR ALGEBRA AND DIFFERENTIAL EQUATIONS (18MAT102)
 - e. LINEAR ALGEBRA (18MAT110)
 - f. COMPLEX VARIABLE AND TRANSFORM CALCULUS (18MAT103)
 - g. PROBABILITY MODELS AND STATISTICS (18MAT111)
 - h. PROBABILITY AND STOCHASTIC PROCESSES (18MAT109)
 - i. PARTIAL DIFFERENTIAL EQUATIONS, PROBABILITY & STATISTICS (18MAT108)
 - j. PROBABILITY AND STATISTICS (18MAT104)
 - k. DISCRETE MATHEMATICAL STRUCTURES (18MAT112)
 - l. ENGINEERING CALCULAS (18MAT101)
- 4. Discuss on proposed Open Elective Courses
 - a. GRAPH THEORY (18MAT302)
 - b. ADVANCED NUMERICAL METHODS (18MAT301)
 - c. ENGINEERING OPTIMIZATION (18MAT303)
 - d. MATHEMATICAL MODELING AND NUMERICAL SIMULATION (18MAT304)
- 5. Discuss on proposed regular courses for PG
 - a. DISCRETE MATHEMATICS (18MATP101)
 - b. PROBABILITY AND STATISTICS (18MATP114)
- 6. Reveal the resolutions made by BOS members
- 7. Vote of thanks

Head
Department of Mathematics, MITS

Engineering Calculus

Resolutions: Resolve to approve the I B.Tech I semester course structure and syllabus of Engineering Calculus for CE, CSE, CSIT, CST, ME and ECE.

The suggestions of BOS members are given as follows:

1. Adjust the Lecture hours and Tutorial hours as per the Academic curriculum design.
2. Space corrections should be done.
3. Course title should be either Mathematics-I or Engineering Calculus

Saravane

(Dr. R. Saravane)

P. K. S.
HEAD
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Linear Algebra and Differential Equations

Resolution: Resolve to approve the J B.Tech II semester EEE Course structure and syllabus of Linear Algebra and Differential Equations.

The suggestions of BOS members are given as follows:

1. In Unit-I, Introduce the applications of matrices such as Balancing Chemical equations and curve fitting.
2. Remove Euler's equations and add first order differential equations applications, i.e Newton's law of Cooling, orthogonal trajectories in unit-II
3. Introduce the topics of Wronskian, ordinary and regular singular points
4. In unit-IV, Include Lagrange method
5. In unit-V, Remove Flow, vibrations and diffusions. Adjust D'Alembert's solution of wave equation, Laplacian equation in plane and one dimensional diffusion equation

N. N. J. 3/7/18

(Dr. N. NAGENDRA)

Complex Variables and Transformational Calculus

Resolutions: Resolve to approve the II B.Tech. I sem CIVIL course syllabus and structure of complex variables and transformational calculus.

The suggestions of BOS members are given below:

1. Remove the topics Laplacian in plane to end of the unit in unit - V
2. Include Fourier transformation to solve ODE & PDE in place of removed topic of unit - V

Devaki P

(Dr. P. Devaki)

Healy

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Probability and Statistics

Resolution: resolve to approve the II B.Tech II Sem course structure and syllabus of Probability and Statistics for EEE, Civil

The following suggestion is given by the H.O.D members.

1. Add "point and Interval estimation" terminology in the Unit-V.

P. Ramesh Reddy

(Dr. P. RAMESH REDDY)

M. G.

- HEAD

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Calculus and Differential Equations

Resolution: Resolve to approve the I.B.Tech. I Sem syllabus and structure of calculus and Differential Equations for EEE.

The following suggestions is given by the BOS members:

1. Remove Beta & Gamma functions and their properties in Unit-1.
2. Remove Tangent plane & Normal line in Unit-2
3. Remove Triple integrals, curl & divergence in unit-3
4. Remove method of variation of parameters in unit-4
5. Remove Power series Taylor's series series for exponential, Trigonometric & logarithmic functions in unit-5.
6. change 2nd order D.E's from variable coefficients to constant coefficients in unit-4.

Devaki

(Dr. P. Devaki)

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Linear Algebra and Transform calculus

Resolution 6-

The structure and course contents are good, but they modify of the following.

1. Due to heavy syllabus, they suggested to remove unit-2 Numerical methods, because numerical methods exists at open elective.

2. We divided unit-5 into two units.

i.e. unit-4 Fourier Transform

unit-5 z-Transform

(Rev)
Ramu-G

Ramu-G

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Linear Algebra Complex Variables and Ordinary differential equationsResolution :-

The structure and course contents are good and well ordered

The suggestions are as follows suggested by external

- (i) Use only first text book in place of 4 books
- (ii) Remove Euler equation from unit 4
- (iii) Lecture hours modified

Helele

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SKS

Dr. Kumar Satya Singh

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partial Differential Equation, probability and statistics

Resolutions: Resolved to approve the U B.Tech. II Semester for mechanical Engineering and the syllabus of partial Differential Equations, probability and statistics

The following suggestions are advised by the BOS members.

1. Rechange the topics in PDE of unit-I
2. Align the contents.
3. Modified Course outcomes.

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[Signature]
 (BY. B.V. Narasimha murthy)

probability and stochastic processes.

Resolutions: Resolve to approve the II B.Tech - I Semester course for Communications Engineering branch and the syllabus.

The following suggestions are advised by the BOS members:

1. ~~Change~~ the title of the ^{course} "probability and stochastic processes" as "probability Theory and stochastic processes".
2. Revised course objectives and out comes.


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Co-Ordinator - IC
 (Dr. K.V. Narasimha Murthy)

Linear Algebra


Resolutions: Resolve to approve the I B.Tech. II Semester
for CSE, CSIT and IT

The following suggestion is given by the
B.O.S members:

1. To change from linearly independent-
dependent to linear independence in
Unit 2.

Bunaki L.
03/07/2018.

(Dr. Bunaki Kairujam)


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Probability models and statistics

Resolutions: Resolve to approve the II B.Tech I semester for
CSE, CSE and CST and the syllabus of the course
probability models and statistics

The following suggestions are advised by the BOS members

Revised The course objectives and outcomes of the course

P. K. S.

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Co-ordinator

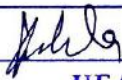
Dr. K. V. Narasimha Murthy

DISCRETE MATHEMATICAL STRUCTURES.

Resolutions: Resolve to approve the II B.Tech II Sem
CSE, CSIT, CST course structure and
Syllabus of Discrete mathematical structures.

The suggestions of BOS members are given as follows.

- 1) Adjust the lecture, tutorial and practical hours
as 3, 1 and 0 with 4 credits.
- 2) Introduce Algorithms (Dijkstra's, Kruskal's) in Unit V.



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S. Gouse Moh.
(Dr. S. Gouse Mohiddin)

Advanced Numerical Methods

Resolutions: Resolve to approve the III B Tech I Semester open elective ^{course} structure and syllabus of Advanced Numerical methods.

The suggestions of BOS members are given as follows:

1. Adjust the lecture, tutorial and practical hours as 3,0 and 0 with 3 credits
2. Introduce matlab to students at the beginning of the course.
3. Provide Exercises of Numerical computational methods to students through Matlab.
4. Execute the numerical program through Matlab to obtain solutions to a few assigned problems in class rooms.

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(Dr. R. Saravana)

Graph Theory

Resolution: Resdue the approve of III B.Tech-I Semester open elective course structure and finalised the syllabus of Graph Theory.

The following suggestions are advised by the BOS - Members

Agreed the structure of the units and the contents, and suggested to follow the new versions of the text Books

[Signature]

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[Signature]
(Dr. S. JEELANI BEGUM)

Engineering optimization

Resolution: Resolve the approve the II B.Tech-II semester open elective course structure and the syllabus of Engineering optimization

The following suggestions are advised by the BOS members.

Introduce the text book namely A. Taha for

E.O. ~~as a~~ ~~subject~~ to cover some topics.

[Signature]

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[Signature]

DR. K. V. Narasimha Murthy

MATHEMATICAL MODELING AND NUMERICAL SIMULATIONResolution:

The course is well and formed nicely,

The suggestions are as follows

- ① Add Introduction part of WRF in units V.
- ② ①① useful for mechanical and civil engineering students

Subles

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K.S

Dr. Kumar Satya Srid

DISCRETE MATHEMATICS

Resolution: Resolved to approve the MCA I year I semester regular course Discrete Mathematics structure and syllabus.

The suggestions of BOS members are as follows:

Change the order of the units based on the learning approach of the contents
i.e., I unit as II unit and vice versa.

Suggested to follow new version of text books.

S. Jeelan Begum

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- *S. Jeelan Begum*
(Dr. S. JEELAN BEGUM)

Probability and Statistics

Resolution: ~~The~~ resolve to approve the IMCA-II semester probability and statistics course structure and syllabus.

The following suggestion is addressed by the B.O.S experts in the meeting

1. Add introduction of sampling in the V unit before explaining Testing of Hypothesis.

P. Anurag

(Dr. P. Anurag Reddy)

P. Anurag

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BOS Chairman : Dr. Shukla Vidya Prasad.

Shukla

BOS Members

1. Dr. Y.V.S.S. Sanyal Raju

Y.V.S.S. Sanyal Raju
3/7/18

2. Dr. S. Srimivas

S. Srimivas

3. Dr. G. Shalbalatha

G. Shalbalatha 3/7/18

(Subject expert nominated by VC)

4. Dr. T. Ravindra Babu

Approved by him through email as he went abroad

(Expert from Industry)

T. Ravindra Babu
3.7.18.

1. Dr. K.V. Narasimha Murthy

K.V. Narasimha Murthy
3/7/18

2. Dr. M. Suthakar Reddy

M. Suthakar Reddy 3/7/18

3. Dr. N. Nagendra

N. Nagendra 3/7/18

4. Dr. S. Ghouse Mohiddin

S. Ghouse Mohiddin 03/07/18

5. Dr. Benaki Laidanjam

Benaki Laidanjam
3/07/2018

6. Dr. S. Teelani Begum

S. Teelani Begum 03/07/18

7. Dr. R. Saravama

R. Saravama 3/7/18

8. Dr. P. Devaki

P. Devaki 3/7/18

9. Dr. A. Subra Rao

A. Subra Rao 03/07/18

10. Dr. B. Venkateswari

B. Venkateswari

11. Dr. P. Ramesh Reddy

P. Ramesh Reddy

12. Dr. P. Rajendra

P. Rajendra

13. Dr. K. Satya Singh

K. Satya Singh

14. Dr. G. Rama

G. Rama

15. Ms. Sonia Chaudhary

Sonia Chaudhary

16. Mr. Parvez Alam

Parvez Alam



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