

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Mechanical Engineering

Minutes of meeting B.Tech(Mech. Engg) - BOS

21.06. 2017

The 8th Board of studies meeting for the B.Tech(Mech) - BOS is conducted on 21.06. 2017 at 11:30 AM in the conference hall, Malla Reddy Engineering College (Autonomous), Hyderabad.

The following BOS Members have attended the Meeting:

1. Dr.S Sudhakara Reddy	Principal, MREC(A)	Special Invitee
2. Dr.J.Jayaprakash	Professor, MED, MREC(A)	Chairman-BOS
3. Dr.J Suresh Kumar	Professor, MED, JNTUH	JNTUH Nominee
4. Dr.M.Mansoor Hussian	Professor, MED, JNTUH	Subject Expert Member
5. Dr.Narsimhulu Sanke	Asst.Prof, MED, Osmania University	Subject Expert Member
6. Sri. M Dakshina Murty	AGM, BHEL-R&D, Hyderabad	Expert Member
7. Mr. V Narasimha Reddy	Assoc. Professor, MED, MREC(A)	Faculty Member
8. Dr.S.Gunasekaran	Assoc. Professor, MED, MREC(A)	Faculty Member
9. Dr. T.Ramachandran	Professor, MED, MREC(A)	Faculty Member
10. Sri K.Venubhupal Reddy	Maintenance Engineer, Virchous Drugs Pvt Ltd., Hyd	Alumni

The following is the agenda for the meeting.

1. Discussion and approval of the scheme and Syllabus of B.Tech(Mech) (CBCS) for MR17 Regulations (for Batches starting from Academic Year 2017-18 onwards).
2. Suggestion and approval of Open Source Softwares for suitable lab experiments
3. Suggestion and approval of panel for Paper setters, Valuers for both theory and practical examinations.
4. The following are new courses introduced in syllabus

S.No	Subject Codes	Subject Name
1	50322	Foundary Technology
2	50330	CNC Technology
3	50334	Mechanical Vibrations
4	70318	Kinematics and Dynamics lab

5. Delegation of power to the Chairman, BOS for inclusion and exclusion of any item as per the requirements.



Approval of any other item with the permission of the Chairman

Raveesh
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

The Structure and Syllabus for B.Tech. MR15 batch have been approved with the following suggestions

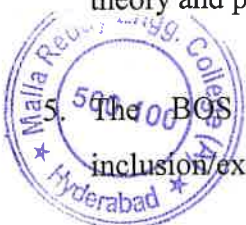
S.NO	Subject Code	Subject Name	Change/Modifications Suggested
1	50319	Metal cutting & machine tools	MODULE – I: Specific cutting energy, Economics of machining, MODULE – II: Copying lathe
2	50329	Refrigeration and air conditioning	MODULE – I: VAV system, MODULE–IV: Need for Ventilation, Consideration of Infiltration – Load concepts of RSHF, GSHF- Problems, Concept of ESHF and ADP

At the outset, Dr.J.Jayaprakash, Prof., Mech. Dept and Chairman of the B.Tech(Mech) - Board of Studies, welcomed the members to the Board of Studies meeting and appraised the purpose of the meeting. He also briefed about the previous BOS meeting, resolutions and placed on record, the existing syllabus of MR 15 regulations and also proposed modifications for MR17 regulations syllabus (Batches admitted from 2017-18 onwards). Later Board of studies Members has in detailed discussed, reviewed each item of the proposed agenda and finally the following items have been resolved unanimously by all the members of BOS for their implementation from the academic year 2017-18 and onwards.

The following resolutions are made after careful discussion and observations.

1. The BOS Members have thoroughly reviewed and discussed the Scheme of instructions, periods per week, and number of credits for all 4 years of B.Tech(Mech) course as per the guide lines of the AICTE and JNTUH, Hyderabad. The BOS has collectively resolved to implement this scheme of Instructions, periods per week and number of credits for all 4 years of B.Tech(Mech) Course from the academic year 2017-18 onwards. The devised scheme of instructions and other items have been given in Annexure-I.
2. After formulation of scheme of Instructions, the BOS has reviewed and devised the syllabus for B.Tech(Mech) Course as per the guide lines of the AICTE and JNTUH, Hyderabad.
3. The BOS Members unanimously approved to use the following Open Source software for execution of programmes in the CAD/CAM lab – Free CAD, BRIL CAD, Kicad; Linux CNC software Simulation and Analysis lab-Scilab, OpenFOAM, SALOME software.
4. The BOS members have agreed to suggest a panel for paper setters and valuers/examiners for both theory and practical of all the subjects of B.Tech(Mech) Course.

5. The BOS has also resolved for delegation of power to the Chairman of BOS for inclusion/exclusion/modification of any of the above item as per the requirements.



Ravind
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

The following suggestions were made by the members of the Board of studies.

1. Instead of keeping four Maths subjects, they can be renamed as M1, M2, M3, within this required additional contents like Fourier series, Fourier Transform... may be added.
2. Rename the subject Effective English
3. Engineering Mechanics may be shifted from second semester to first semester by replacing the Basic electrical and electronics engg. Free vibration (single DOF) and simple pendulum can be included.
4. Physics of Material should be removed and is replaced by Material science or any one core subject.
5. In the AutoCad Lab, introduction to 3D modelling may be included
6. Modify the subjects Machine tools as Machine tools and metrology, Metrology and instrumentation as Instrumentation and Controls.
7. Change the category of Refrigeration and Air conditioning and Automobile engg subjects from PE to PC.
8. The subject Thermal Engineering – II may be renamed as Energy conversion systems.
9. In CAD/CAM lab, experimentation part may be included.
10. Industrial management and Operations research are same kind and any one may be removed (both are HS related subjects available in the same semester)
11. Open electives may be listed separately as OE 1, OE 2 and OE 3 and the Mech subjects also need to be included.
12. Instead of mixed subjects, same kind of Subjects (like thermal, production, design, management) may be given in the Professional Electives.
13. Six course outcomes may be given in accordance with NBA
14. The overall language and typographical errors need to be thoroughly checked and corrected

Finally, Dr.J.Jayaprakash, Chairman – B.Tech(Mech) Board of Studies has expressed his sincere thanks to all the Members of the Board of studies for their active participation and contribution. The meeting concluded at 1:00 PM.

P. Revathi
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100



J. Jayaprakash
Dr.J.Jayaprakash
Chairman, B.Tech(Mech) - BOS

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

Maisammguda, Dhulapally (Post Via Kompally) Secunderabad - 500 100

Department of Mechanical Engineering

The BOS meeting is held on 21.06.2017 and the following members have attended for finalization of Schema and Syllabus for MR17 Admitted Students (Under UGC Autonomous - CBCS) for both B.Tech programmes.

S.No	Name of the Member	Designation & Official Address	Status BOS	Signature
1	Dr.S Sudhakara Reddy	Principal,MREC (A)	Special Invitee	<i>Sudhakar</i>
2.	Dr.J.Jayaprakash	Professor, MED,MREC(A)	Chairman-BOS	<i>J. Jayaprakash</i> 21/6/2017
3.	Dr.J Suresh Kumar	Professor,MED, JNTUH	JNTUH Nominee	<i>J. Suresh Kumar</i> 21/6/17
4.	Dr.M Manzoor Hussain	Professor,MED, JNTUH	Subject Expert Member	<i>Absent</i>
5.	Dr.Narsimhulu Sanke	Assoc. Professor, MED, Osmania University.	Subject Expert Member	<i>N. Sanke</i> 21/6/17
6.	Sri. M Dakshina Murty	AGM,BHEL-R&D,Hyderabad	Expert Member from Industry	<i>M. Dakshina Murty</i>
7.	Mr V Narasimha Reddy	Asso.Professor, MED,MREC(A)	Faculty Member	<i>V. Narasimha Reddy</i>
8.	Dr. S. Gunasekharan	Assist.Professor,MED, MREC(A)	Faculty Member	<i>S. Gunasekharan</i> 21/6/17
9.	Dr. T.Ramachandran	Professor MED,MREC(A)	Faculty Member	<i>T. Ramachandran</i> 21/6/17
10.	Sri K.Venubhupal Reddy	Maintenance Engineer, VIRCHOUS Drugs Pvt Ltd.,Hyd.	Alumni	<i>Absent</i>

Ramesh
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100



J. Jayaprakash
21/6/2017

MALLA REDDY ENGINEERING COLLEGE(AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
Minutes of the BOS


Date:20.12.2017

1. Mapping of Question paper with course outcomes should be done proper way.
2. R& AC subject to be shifted from professional elective-II to professional core in VI semester.
3. Synchronizing the subjects TE-I and TE-II as one subject.
4. After Synchronizing the subjects TE-I and TE-II Syllabus should be framed in the following manner: M-I:All compressors, M-II: IC Engines, M-III :Boiler, M-IV: Steam turbines, M-V: Gas turbines and Jet propulsion.

The Structure and Syllabus for B.Tech. MR15 batch have been approved with the following suggestions

S.NO	Subject Code	Subject Name	Change/Modifications Suggested
1	50H14	Industrial management	<p>Module – III: i) Material Management: Objectives, Need for Inventory Control, EOQ, ABC Analysis, Purchase procedure, Store Management and Stores Records –Supply Chain Management</p> <p>ii) Marketing: Functions of Marketing, Marketing Mix, Marketing Strategies based on Product life Cycle., Channels of Distribution</p> <p>Module – V: Strategic Management: Mission, Goals, Objectives, Policy, Strategy, Programmes, Elements of corporate planning process, Environmental Scanning, SWOT Analysis, Steps in Strategy Formulation and Implementation, generic Strategy Alternatives</p>
2	50327	Thermal engineering –II	<p>Module – II: Draught, classification – Height of chimney for given draught and discharge, condition for maximum discharge, efficiency of chimney – artificial draught, induced and forced draft.</p>




PRINCIPAL
 Malla Reddy Engineering College
 (Autonomous)
 Maisammaguda, Dhulapally,
 (Post Via Kompally), Sec'bad-500 100

5. Include vapour absorption cycle in Thermodynamics subject in Module-V.
6. RES subject to be reframed like: M-I: Solar energy and storage, sensible heat and latent heat, M-II: wind energy, M-III: Biomass, Biogas, pyrolysis, M-IV: Geothermal and ocean energy, M-V: fuel cell technology.
Text book: H.P. Garg "Solar Energy".
7. Include organic Rankine cycle and Classification of Solar collectors in RES subject.
8. Include Global environmental standards & norms and CO₂ capture concept in Environmental studies subject.
9. Change experiment no.1 name in machine tools lab as study of lathe.
10. Shift Mechanical vibrations subject from PE-II to PE-III in place of R&AC and vice versa.
11. Actual cycles may be included in Thermodynamics subject.
12. Add super critical and sub critical concept in TE-II subject under Rankine cycle concept.
13. In Finite element methods, module-III title changed to Analysis of beams and delete the entire syllabus and include derivation of thermite shape functions and stiffness matrix for beam element and load vector problems.
14. In Finite element methods, Module-IV delete finite element modeling of axis symmetric solids subjected to axis symmetric loading with triangular elements.
15. In Mechanical vibrations subject, module-II A&B topics shifted to module-I. In module-V delete longitudinal vibration of bars topic. Syllabus to be framed according to G K Groover text book.
16. In Mechanical Vibration subject change the titles from degree freedom system to degrees of freedom.
17. The following subjects are newly added in syllabus

S.No	Subject Code	Subject Name
1	70335	Gas Dynamics and Jet Propulsion
2	70337	Applied Hydraulics and Pneumatics
3	70338	Energy conservation and Energy management
4	70344	Design of Press Tools, Jigs and Fixtures
5	70346	Product Design and Development



Raveedh
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

18. Engineering Mechanics subject is to be offered in two semesters under Engineering Mechanics-I (statics) and Engineering Mechanics-II (dynamics) .
19. Finite element subject is to be offered for all programmes.

Doorn
Chairman, BOS

Raveendh
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
Hyderabad



MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Mechanical Engineering

B.Tech (Mech.Engg) — Action Taken Report for BoS

Jun 21st, 2017

The action taken report for the 9th Board of studies meeting for the B.Tech(M.E)- Bos conducted On 20-12-2016 at 10.30 A.M for in the Department of mechanical engineering, Malla Reddy Engineering College (Autonomous), Hyderabad is as follows:

Resolution 1: The Bos Members have thoroughly reviewed and discussed the scheme of instructions, periods per week, and the number of credits for all 4 years of B.Tech(Mech) course as per the guidelines of the AICTE and JNTUH, Hyderabad. The Bos has collectively resolved to implement this scheme of Instructions, periods per week and the number of credits for all 4 years of B.Tech (ME) Course from the academic year 2016-17 onwards.

Action Taken: The revised scheme of instructions is implemented as MR17 regulation B.Tech (ME) course

Resolution 2: After formulation of scheme of Instructions, the Bos has reviewed and revised the syllabus for B.Tech (Mech) course as per the guidelines of the AICTE and JNTUH, Hyderabad

Action Taken: The revised syllabus is implemented as MR17 regulation B.Tech (ME) course

Resolution 3: The Bos Members unanimously approve to use the open source software's for the respective laboratories.

Action Taken : The suggested softwares are installed

Resolution 4: The BOS members have agreed to suggest a panel for paper setters and valuers/examiners for both theory and practical of all the subjects of B.Tech.(ME) Course.

Action Taken 4 : The suggestion for setters and valuers/examiners are implemented for the B. Tech (ME) Course

Resolution 5: If any item need to be modified/added/deleted, the same may be circulated by E-mail to all members and after taking electronic/E-mail approval the modification may be made operational.

Action Taken : Implemented from the academic year 2017-18



Raveesh
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Mechanical and Engineering

Minutes of meeting M.Tech(Machine Design) - BOS

June 21th, 2017

The 8th Board of studies meeting for the M.Tech(Machine Design) - BOS is conducted on 21-06-2017 at 3:00 PM in the conference hall, Malla Reddy Engineering College (Autonomous), Hyderabad.

The following BOS Members have attended the Meeting:

1. Dr.S Sudhakara Reddy	Principal, MREC(A)	Special Invitee
2. Dr.S.Surendarnath	Assoc Prof, MED,MREC(A)	Chairman-BOS
3. Dr.J Suresh Kumar	Professor,MED, JNTUH	JNTUH Nominee
4. Dr. M Manor Hussain	Professor,MED, JNTUH	Subject Expert Member
5. Dr.G.Laxmaiah	Assoc Prof, MED, CBIT	Subject Expert Member
6. Sri. M Dakshina Murty	AGM,BHEL-R&D, Hyderabad	Expert Member
7. Dr. R S Reddy	Professor, MED, MREC(A)	Faculty Member
8. Dr. J. Jayaprakash	Professor, MED,MREC(A)	Faculty Member
9. Mr.K.Srinivasa Rao	Assoc Prof, MED, MREC(A)	Faculty Member
10. Sri K.Venubhupal Reddy	Maintenance Engineer, Virchous Drugs Pvt Ltd.,Hyd	Alumni

The following is the agenda for the meeting.

1. Discussion and approval of the scheme and Syllabus of M.Tech(Machine Design) (CBCS) for MR17 Regulations (for Batches starting from Academic Year 2017-18 onwards).
2. Suggestion and approval of Open Source Softwares for suitable lab experiments
3. Suggestion and approval of panel for Paper setters, Valuers for both theory and practical examinations.
4. Delegation of power to the Chairman, BOS for inclusion and exclusion of any item as per the requirements.
5. Approval of any other item with the permission of the Chairman.

At the outset, Dr.S.Surendarnath, Assoc Prof., Mech. Dept and Chairman of the M.Tech(Machine Design) - Board of Studies, welcomed the members to the Board of Studies meeting and appraised the purpose of the meeting. He also briefed about the previous BOS meeting, resolutions and placed on record, the existing syllabus of MR 15 regulations and also proposed modifications for MR17 regulations syllabus (Batches admitted from 2017-18 onwards). Later Board of studies Members has in detailed discussed, reviewed each item of the proposed agenda and finally the following items have been resolved unanimously by all the members of BOS for their implementation from the academic year 2017-18 and onwards.

Ka. Surendarnath
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100



The following resolutions are made after careful discussion and observations.

1. The BOS Members have thoroughly reviewed and discussed the Scheme of instructions, periods per week, and number of credits for all 2 years of M.Tech(Machine Design) course as per the guide lines of the AICTE and JNTUH, Hyderabad. The BOS has collectively resolved to implement this scheme of Instructions, periods per week and number of credits for all 2 years of M.Tech(Machine Design) Course from the academic year 2017-18 onwards. The devised scheme of instructions and other items have been given in Annexure-I.
2. After formulation of scheme of Instructions, the BOS has reviewed and devised the syllabus for M.Tech(Machine Design) Course as per the guide lines of the AICTE and JNTUH, Hyderabad.
3. The BOS Members unanimously approved to use the following Open Source software for execution of programmes in the Computer Aided Testing, Analysis and Modeling laboratory.
OpenFOAM, SU2, QCAD, SALOME, SCILAB,
4. The BOS members have agreed to suggest a panel for paper setters and valuers/examiners for both theory and practical of all the subjects of M.Tech(Machine Design) Course.
5. The BOS has also resolved for delegation of power to the Chairman of BOS for inclusion/exclusion/modification of any of the above item as per the requirements.

The following suggestions were made by the members of the Board of studies.

1. Mechanical Vibration subject should be changed from Professional elective to Core Course, as well as include V.P.Singh and Groover books.
2. Tool design subject may be included as core subject.
3. Industrial Robotics may be shifted to IIInd semester.
4. The Numerical Methods subject may transferred from Core to Elective.
5. Nano materials syllabus may be revised in relevance with the Design and manufacturing applications. If not possible removed/ replaced with any one Design related contemporary subjects.
6. Advanced FEA may be verified thoroughly (like introduction to plates and shells). One of the text book FEA by Jalaludhin may be included.
7. The text books mentioned should be of the recent editions
8. Hand books should be placed in the reference section instead of placing in the text books.
9. Course outcomes should be coherence with the syllabus contents.
10. The overall language and typographical errors need to be thoroughly checked and corrected.

Finally, Dr.S.Surendarnath, Chairman – M.Tech(Machine Design) Board of Studies has expressed his sincere thanks to all the Members of the Board of studies for their active participation and contribution. The meeting concluded at 4:30 PM.

K. Surendarnath
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

S. Surendarnath
21.06.2017
Dr.S.Surendarnath

Chairman, M.Tech(Machine Design) - BOS



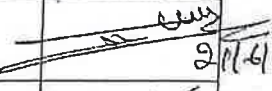
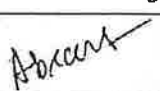
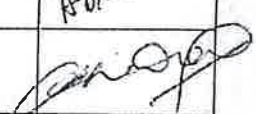
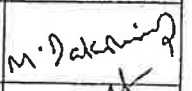

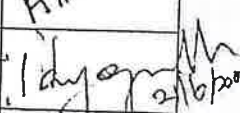
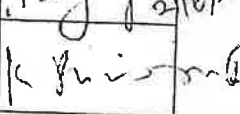
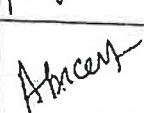


MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

Maisammguda, Dhulapally (Post Via Kompally) Secunderabad – 500 100

Department of Mechanical Engineering

The BOS meeting is held on 21.06.2017 and the following members have attended for finalization of Schema and Syllabus for MR17 Admitted Students (Under UGC Autonomous – CBCS) for M.Tech(Machine Design)programmes.

S.No	Name of the Member	Designation & Official Address	Status BOS	Signature
1	Dr.S Sudhakara Reddy	Principal,MREC(A)	Special Invitee	
2.	Dr.S.Surendranath	Assoc.Prof MED,MREC(A)	Chairman-BOS	 21/6/17
3.	Dr.J Suresh Kumar	Professor,MED, JNTUH	JNTUH Nominee	 21/6/17
4.	Dr.M Manzoor Hussain	Professor,MED, JNTUH	Subject Expert Member	
5.	Dr.G.Laxmaiah	Chaitanya Bharathi Institute of Technology	Subject Expert Member	
6.	Sri. M Dakshina Murty	AGM,BHEL-R&D,Hyderabad	Expert Member from Industry	
7.	Dr R S Reddy	Professor MED,MREC(A)	Faculty Member	
8.	Dr.J.Jayaprakash	Professor, MED,MREC(A)	Faculty Member	
9.	Mr.K Srinivasa Rao	Assoc.Professor, MED,MREC(A)	Faculty Member	
10.	Sri K.Venubhupal Reddy	Maintenance Engineer, VIRCHOUS Drugs Pvt Ltd.,Hyd.	Alumni	




PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100



MALLA REDDY ENGINEERING COLLEGE(Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Mechanical Engineering

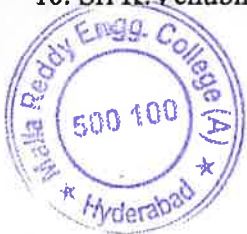
Minutes of meeting M.Tech(Machine Design) - BOS

Dec 20th, 2017

The Board of studies meeting for the M.Tech(Machine Design) - BOS is conducted on 20-12-2017 at 3:00 PM in the conference hall, Malla Reddy Engineering College (Autonomous), Hyderabad.

The following BOS Members have attended the Meeting:

- | | | |
|----------------------------|--|------------------|
| 1. Dr.S Sudhakara Reddy | Principal, MREC(A) | Special Invitee |
| 2. Dr.S.Surendranath | Professor, MED, MREC(A) | Chairman-
BOS |
| 3. Dr.J Suresh Kumar | Professor,MED, JNTUH | JNTUH |
| Nominee | | |
| 4. Dr.M.Manzoor Hussain | Professor,MED, JNTUH | Subject |
| Expert Member | | |
| 5. Dr.G.Laxmaiah | Asst.Prof, MED, CBIT | Subject |
| Expert Member | | |
| 6. Sri. M Dakshina Murty | AGM,BHEL-R&D, Hyderabad | Expert |
| Member | | |
| 7. Dr. R S Reddy | Professor, MED, MREC(A) | Faculty |
| Member | | |
| 8. Dr. J.Jayaprakash | Professor, MED,MREC(A) | Faculty |
| Member | | |
| 9. Mr.K.Srinivasa Rao | Assoc Prof, MEDMREC(A) | Faculty |
| Member | | |
| 10. Sri K.Venubhupal Reddy | Maintenance Engineer, Virchous Drugs
Pvt Ltd.,Hyd | Alumni |



Raveesh
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

The following suggestions were made by the members of the Board of studies.

1. Mechanical Vibration subject should be changed from Professional elective to Core Course, as well as include V.P.Singh and Groover books
2. Tool design subject may be included as core subject
3. Industrial Robotics may be shifted to 11nd semester
4. The Numerical Methods subject may be transferred from Core to Elective.
5. Nano materials syllabus may be revised in relevance with the Design and manufacturing applications. If not possible removed/ replaced with any one thermal related contemporary subjects.
6. Advanced FEA may be verified thoroughly(like introduction to plates and shells).
One of the text book FEA by Jalaluddin may be included.
7. The text books mentioned should be of the recent editions
8. Hand books should be placed in the reference section instead placing in the text books.
9. Course outcomes should be coherence with the syllabus contents
10. The overall language and typographical errors need to be thoroughly checked and corrected

Finally, Dr.S.Surendranath , Chairman – M.Tech(Machine Design) Board of Studies has expressed his sincere thanks to all the Members of the Board of studies for their active participation and contribution. The meeting concluded at 4:30 PM.




B.S. Chairman
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Mechanical Engineering

M.Tech(Machine Design) — Action Taken Report for BoS

Dec21.th, 2017

The action taken report for the Board of studies meeting for the M.Tech (Machine Design) - BoS conducted on 20-12-2017 at 10:30 AM in the Department of mechanical engineering, Malla Reddy Engineering College (Autonomous), Hyderabad is follows

Resolution 1: The text books mentioned should be of the recent editions

Action Taken: The recent text books added in the every subjects

Resolution 2: Hand books should be placed in the reference section instead of placing in the text books.

Action Taken: Hand books which present in the text book are transferred to reference section.

Resolution 3: Course outcomes should be coherence with the syllabus contents.

Action Taken: Course outcomes are verified and corrected in coherence with the syllabus contents.

Resolution 4: The overall language and typographical errors need to be thoroughly checked and corrected.

Action Taken: The overall language and typographical errors are thoroughly checked and corrected.



Raveesh
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Mechanical Engineering

Minutes of meeting M.Tech(Thermal Engg) - BOS

21.06.2017

The 8th Board of studies meeting for the M.Tech(Thermal Engg) - BOS is conducted on 21.06.2017 at 2:00 PM in the conference hall, Malla Reddy Engineering College (Autonomous), Hyderabad.

The following BOS Members have attended the Meeting:

1. Dr.S Sudhakara Reddy	Principal, MREC(A)	Special Invitee
2. Dr. T.Ramachandran	Professor, MED,MREC(A)	Chairman-BOS
3. Dr.J Suresh Kumar	Professor,MED, JNTUH	JNTUH Nominee
4. Dr. Morapakala Srinivas	Assoc Prof, MED. BITS, Hyderabad	Subject Expert Member
5. Dr.Narsimhulu Sanke	Asst.Prof, MED, Osmania University	Subject Expert Member
6. Sri. M Dakshina Murty	AGM,BHEL-R&D, Hyderabad	Expert Member
7. Mr. V Narasimha Reddy	Assoc. Professor, MED, MREC(A)	Faculty Member
8. Dr. Yogesh Madaria	Asst. ProfessorMED,MREC(A)	Faculty Member
9. Dr.J.Jayaprakash	Professor, MED, MREC(A)	Faculty Member
10. Sri K.Venubhupal Reddy	Maintenance Engineer, Virchous Drugs Pvt Ltd.,Hyd	Alumni

The following is the agenda for the meeting.

1. Discussion and approval of the scheme and Syllabus of M.Tech(Thermal) (CBCS) for MR17 Regulations (for Batches starting from Academic Year 2017-18 onwards).
2. Suggestion and approval of Open Source Softwares for suitable lab experiments
3. Suggestion and approval of panel for Paper setters, Valuers for both theory and practical examinations.
4. Delegation of power to the Chairman, BOS for inclusion and exclusion of any item as per the requirements.
5. Approval of any other item with the permission of the Chairman.

The Structure and Syllabus for M.Tech. MR17 batch have been approved with the following suggestions

S.NO	Subject Code	Subject Name	Change/Modifications Suggested
	73103	Advancedfluid mechanics	Module II: Some exact solutions of Navier-Stokes equation-Steady Flows Some exact solutions of Navier-Stokes equation



Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

			<p>Steady Flows (contd) and Practical Applications</p> <p>Some exact solutions of Navier-Stokes equation- Unsteady Flows, Introduction to Turbulence</p> <p>Module III: Boundary layer equations; displacement and momentum thickness, shape factor; flow over a flat plate similarity transformation, integral equation for momentum and energy ; skin friction coefficient and Nusselt number; separation of boundary layer; critical Reynolds number; control of boundary layer separation.</p>
--	--	--	---

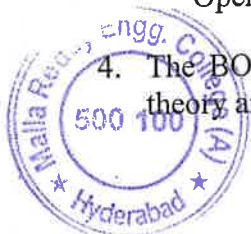
At the outset, Dr.T.Ramachandran, Prof., Mech. Dept and Chairman of the M.Tech(Thermal Engg.) - Board of Studies, welcomed the members to the Board of Studies meeting and appraised the purpose of the meeting. He also briefed about the previous BOS meeting, resolutions and placed on record, the existing syllabus of MR 15 regulations and also proposed modifications for MR17 regulations syllabus (Batches admitted from 2017-18 onwards). Later Board of studies Members has in detailed discussed, reviewed each item of the proposed agenda and finally the following items have been resolved unanimously by all the members of BOS for their implementation from the academic year 2017-18 and onwards.

The following resolutions are made after careful discussion and observations.

1. The BOS Members have thoroughly reviewed and discussed the Scheme of instructions, periods per week, and number of credits for all 2 years of M.Tech(Thermal Engg) course as per the guide lines of the AICTE and JNTUH, Hyderabad. The BOS has collectively resolved to implement this scheme of Instructions, periods per week and number of credits for all 2 years of M.Tech(Thermal Engg) Course from the academic year 2017-18 onwards. The devised scheme of instructions and other items have been given in Annexure-I.
2. After formulation of scheme of Instructions, the BOS has reviewed and devised the syllabus for M.Tech(Thermal Engg) Course as per the guide lines of the AICTE and JNTUH, Hyderabad.
3. The BOS Members unanimously approved to use the following Open Source software for execution of programmes in the respective laboratories.

OpenFOAM, SU2, QCAD, SALOME, SCILAB,

4. The BOS members have agreed to suggest a panel for paper setters and valuers/examiners for both theory and practical of all the subjects of M.Tech(Thermal Engg) Course.



Ramesh
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

5. The BOS has also resolved for delegation of power to the Chairman of BOS for inclusion/exclusion/modification of any of the above item as per the requirements.

The following suggestions were made by the members of the Board of studies.

1. Nano Technology and Nano materials syllabus may be revised in relevance with the thermal applications. If not possible removed/ replaced with any one thermal related contemporary subjects.
2. The text books mentioned should be of the recent editions
3. Not more than 2 books should be given in the text books. If the syllabus is covered by a single book then only one book may be given.
4. Hand books should be placed in the reference section instead placing in the text books.
5. Course outcomes should be coherence with the syllabus contents
6. Six course outcomes may be given in accordance with NBA
7. The overall language and typographical errors need to be thoroughly checked and corrected

Finally, Dr.T.Ramachandran, Chairman – M.Tech(Thermal Engg) Board of Studies has expressed his sincere thanks to all the Members of the Board of studies for their active participation and contribution. The meeting concluded at 3:00 PM.



Dr.T. Ramachandran
Chairman, M.Tech(Thermal Engg) - BOS


PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100



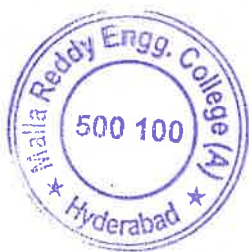
MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

Maisammguda, Dhulapally (Post Via Kompally) Secunderabad – 500 100

Department of Mechanical Engineering

The BOS meeting is held on 21.06.2017 and the following members have attended for finalization of Schema and Syllabus for MR17 Admitted Students (Under UGC Autonomous – CBCS) for M.Tech(Thermal Engineering) programmes.

S.No	Name of the Member	Designation & Official Address	Status BOS	Signature
1.	Dr.S Sudhakara Reddy	Principal,MREC(A)	Special Invitee	<i>[Signature]</i>
2.	Dr. T.Ramachandran	Professor MED,MREC(A)	Chairman-BOS	<i>[Signature]</i>
3.	Dr.J Suresh Kumar	Professor,MED, JNTUH	JNTUH Nominee	<i>[Signature]</i>
4.	Dr. Morapakala Srinivas	Assoc Prof, MED Birla Institute of Technology & Science.	Subject Expert Member	<i>[Signature]</i>
5.	Dr.Narsimhulu Sanke	Assoc. Professor, MED, Osmania University.	Subject Expert Member	<i>[Signature]</i> 21/6/2017
6.	Sri. M Dakshina Murty	AGM,BHEL-R&D,Hyderabad	Expert Member from Industry	<i>[Signature]</i>
7.	Mr. V Narasimha Reddy	Assoc. Professor, MED,MREC(A)	Faculty Member	<i>[Signature]</i>
8.	Dr.J.Jayaprakash	Professor, MED,MREC(A)	Faculty Member	<i>[Signature]</i>
9.	Dr. Yogesh Madaria	Asst. Professor MED,MREC(A)	Faculty Member	<i>[Signature]</i> 21/6/17
10.	Sri K.Venubhupal Reddy	Maintenance Engineer, VIRCHOUS Drugs Pvt Ltd.,Hyd.	Alumni	<i>[Signature]</i>



Ramesh
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Mechanical Engineering

M.Tech(Thermal Engineering) — Action Taken Report for BoS

Jun 21st, 2017

The action taken report for the 9th Board of studies meeting for the M.Tech (Thermal Engineering) - BoS conducted on 20-12-2016 at 10:30 AM in the Department of mechanical engineering, Malla Reddy Engineering College (Autonomous), Hyderabad is follows

Resolution 1: The text books mentioned should be of the recent editions

Action Taken: The recent text books added in the every subjects

Resolution 2: Hand books should be placed in the reference section instead of placing in the text books.

Action Taken: Hand books which present in the text book are transferred to reference section.

Resolution 3: Course outcomes should be coherence with the syllabus contents.

Action Taken: Course outcomes are verified and corrected in coherence with the syllabus contents.

Resolution 4: The overall language and typographical errors need to be thoroughly checked and corrected.

Action Taken: The overall language and typographical errors are thoroughly checked and corrected.



Ramesh
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Mechanical Engineering

Minutes of meeting M.Tech(Thermal Engg) - BOS

20.12.2017

The 8th Board of studies meeting for the M.Tech(Thermal Engg) - BOS is conducted on 20.12.2017 at 2:00 PM in the conference hall, Malla Reddy Engineering College (Autonomous), Hyderabad.

The following BOS Members have attended the Meeting:



1. Dr.S Sudhakara Reddy	Principal, MREC(A)	Special Invitee
2. Dr. T.Ramachandran	Professor, MED,MREC(A)	Chairman-BOS
3. Dr.J Suresh Kumar	Professor,MED, JNTUH	JNTUH Nominee
4. Dr. Morapakala Srinivas	Assoc Prof, MED. BITS, Hyderabad	Subject Expert Member
5. Dr.Narsimhulu Sanke	Asst.Prof, MED, Osmania University	Subject Expert Member
6. Sri. M Dakshina Murty	AGM,BHEL-R&D, Hyderabad	Expert Member
7. Mr. V Narasimha Reddy	Assoc. Professor, MED, MREC(A)	Faculty Member
8. Dr. Yogesh Madaria	Asst. ProfessorMED,MREC(A)	Faculty Member
9. Dr.J.Jayaprakash	Professor, MED, MREC(A)	Faculty Member
10. Sri K.Venubhupal Reddy	Maintenance Engineer, Virchous Drugs Pvt Ltd.,Hyd	Alumni

The following is the agenda for the meeting.

1. Discussion and approval of the scheme and Syllabus of M.Tech(Thermal) (CBCS) for MR17 Regulations (for Batches starting from Academic Year 2017-18 onwards).
2. Suggestion and approval of Open Source Softwares for suitable lab experiments
3. Suggestion and approval of panel for Paper setters, Valuers for both theory and practical examinations.
4. Delegation of power to the Chairman, BOS for inclusion and exclusion of any item as per the requirements.
5. Approval of any other item with the permission of the Chairman.

The Structure and Syllabus for M.Tech. MR17 batch have been approved with the following suggestions

S.NO	Subject Code	Subject Name	Change/Modifications Suggested
1	73116	Advanced heat and mass transfer	Module I: Steady and unsteady mass and heat diffusion in solids and stagnant liquids. Module IV: Poolboiling - Nukiyama

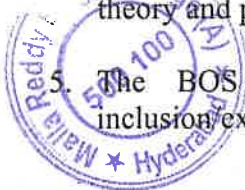


Principal
Malla Reddy Engineering College (Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

			boiling hysteresis, homogeneous and wall nucleation ,liquid superheat, bubble departure, release frequency, nucleation site density, heat transfer mechanism, pool boiling correlation-Rohsenow equation, VDI correlation, effect of system pressure, heater geometry, surface wettability ,dissolved gases and liquid subcooling, boiling of binary mixtures – wide range boiling and azeotropes, critical heat flux in pool boiling-vapor jet Taylor and Kelvin- Helmholtz instability model, correlation for CHF, film boiling – role of radiation, the Brombley model
--	--	--	---

At the outset, Dr.T.Ramachandran, Prof., Mech. Dept and Chairman of the M.Tech(Thermal Engg.) - Board of Studies, welcomed the members to the Board of Studies meeting and appraised the purpose of the meeting. He also briefed about the previous BOS meeting, resolutions and placed on record, the existing syllabus of MR 15 regulations and also proposed modifications for MR17 regulations syllabus (Batches admitted from 2017-18 onwards). Later Board of studies Members has in detailed discussed, reviewed each item of the proposed agenda and finally the following items have been resolved unanimously by all the members of BOS for their implementation from the academic year 2017-18 and onwards.

The following resolutions are made after careful discussion and observations.

1. The BOS Members have thoroughly reviewed and discussed the Scheme of instructions, periods per week, and number of credits for all 2 years of M.Tech(Thermal Engg) course as per the guide lines of the AICTE and JNTUH, Hyderabad. The BOS has collectively resolved to implement this scheme of Instructions, periods per week and number of credits for all 2 years of M.Tech(Thermal Engg) Course from the academic year 2017-18 onwards. The devised scheme of instructions and other items have been given in Annexure-I.
2. After formulation of scheme of Instructions, the BOS has reviewed and devised the syllabus for M.Tech(Thermal Engg) Course as per the guide lines of the AICTE and JNTUH, Hyderabad.
3. The BOS Members unanimously approved to use the following Open Source software for execution of programmes in the respective laboratories.
OpenFOAM, SU2, QCAD, SALOME, SCILAB,
4. The BOS members have agreed to suggest a panel for paper setters and valuers/examiners for both theory and practical of all the subjects of M.Tech(Thermal Engg) Course.
5. The BOS has also resolved for delegation of power to the Chairman of BOS for inclusion/exclusion/modification of any of the above item as per the requirements.



Ramachandran
 PRINCIPAL
 Malla Reddy Engineering College
 (Autonomous)
 Maisamma, Chubbally,
 (Post Via Kompally), Sec'bad-500 10

The following suggestions were made by the members of the Board of studies.

1. Nano Technology and Nano materials syllabus may be revised in relevance with the thermal applications. If not possible removed/ replaced with any one thermal related contemporary subjects.
2. The text books mentioned should be of the recent editions
3. Not more than 2 books should be given in the text books. If the syllabus is covered by a single book then only one book may be given.
4. Hand books should be placed in the reference section instead placing in the text books.
5. Course outcomes should be coherence with the syllabus contents
6. Six course outcomes may be given in accordance with NBA
7. The overall language and typographical errors need to be thoroughly checked and corrected

Finally, Dr.T.Ramachandran, Chairman – M.Tech(Thermal Engg) Board of Studies has expressed his sincere thanks to all the Members of the Board of studies for their active participation and contribution. The meeting concluded at 3:00 PM.

Dr.T. Ramachandran
Chairman, M.Tech(Thermal Engg) - BOS

PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100



MALLA REDDY ENGINEERING COLLEGE (Autonomous)
Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.
Department of Mechanical Engineering

M.Tech(Thermal Engineering) — Action Taken Report for BoS

Dec 21th , 2017

The action taken report for the Board of studies meeting for the M.Tech (Thermal Engineering) - BoS conducted on 20-12-2017 at 10:30 AM in the Department of mechanical engineering, Malla Reddy Engineering College (Autonomous), Hyderabad is follows

Resolution 1: The text books mentioned should be of the recent editions

Action Taken: The recent text books added in the every subjects

Resolution 2: Hand books should be placed in the reference section instead of placing in the text books.

Action Taken: Hand books which present in the text book are transferred to reference section.

Resolution 3: Course outcomes should be coherence with the syllabus contents.

Action Taken: Course outcomes are verified and corrected in coherence with the syllabus contents.

Resolution 4: The overall language and typographical errors need to be thoroughly checked and corrected.

Action Taken: The overall language and typographical errors are thoroughly checked and corrected.



Pragathi
Kanish
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100