



MALLA REDDY ENGINEERING COLLEGE

(AUTONOMOUS)

(An UGC Autonomous Institution approved by AICTE and affiliated to JNTUH Hyderabad,
Accredited by NBA and NAAC with 'A' Grade (II-Cycle)



EAMCET
CODE: MREC

9th Board of Studies Meeting Academic Year 2018-19 (MR18 Regulations)

Mechanical - BOS



Estd.: 2002

Maisammaguda, Dhulapally (Post Via Kompally), Secunderabad-500100
Ph. No. 040-65864982, 09348161125, e-mail: principal@mrec.ac.in,
Website: www.mrec.ac.in



JNTU Code: J4



Malla Reddy Engineering College

(AUTONOMOUS)

(An UGC Autonomous Institution Approved by AICTE and Affiliated to JNTU Hyderabad. Accredited by NAAC with 'A' Grade (II - Cycle))

Date: 07.06.2018

ORDER

The Mechanical Engineering - UG Board-of-Studies for the academic year 2018-19 have been reconstituted as per the UGC guidelines with the following members.

| S. No. | Name of the Member | Designation & Official Address | Subject Specialization | Contact No. | E-mail | Category |
|--------|-------------------------|--|------------------------|-------------|--------------------------------|-----------------------------|
| 1 | Dr.S Sudhakara Reddy | Principal, MREC (A) | Production Engineering | 9348161125 | principal@mrec.ac.in | Special Invitee |
| 2 | Dr.S.Gunasekharan | Professor, ME,MREC(A) | Industrial Engineering | 9003804257 | mehod@mrec.ac.in | Chairman-BOS |
| 3 | Dr.K.Vijay Kumar Reddy | Professor, ME, JNTUH CEH | Energy Systems | 9866953636 | vijayakumarreddy@gmail.com | JNTUH Nominee |
| 4 | Dr.V.Suresh Babu | Assoc.Prof, ME, NIT Warangal | Machine Design | 9000416646 | vsbabu@nitw.ac.in | Subject Expert |
| 5 | Dr.Narsimhulu Sanke | Professor ME-UCE(A), Osmania University. | Thermal Engineering | 9885415325 | nsanke@osmania.ac.in | Subject Expert |
| 6 | Sri. M Dakshina Murty | AGM,BHEL-R&D, Hyderabad | Industry | 9849457064 | mdmurty@bhel.in | Expert Member from Industry |
| 7 | Mr V Narasimha Reddy | Assoc.Prof., ME,MREC(A) | Fluid Mechanics | 9490806006 | vangurunr@yahoo.com | Faculty Member |
| 8 | Dr.P.Paul Pandian | Professor ME,MREC(A) | Production Engineering | 7670860017 | ppaulpandian@gmail.com | Faculty Member |
| 9 | Dr.A.Raveendra | Professor, ME,MREC | Production Engineering | 9502294258 | ravi.akunuru.a@gmail.com | Faculty Member |
| 10 | Mr. Metpally Saikrishna | Opti Design Solutions Hyderabad | Machine Design | 9491558749 | Saikrishnametpally00@gmail.com | Alumni (MR15) |

PRINCIPAL

Malla Reddy Engineering College
(Autonomous)

Malsammaguda, Dhulapally
(Post Via Kompally), Sec'bad-500 100

Email: principal@mrec.ac.in

www.mrec.ac.in

Malsammaguda, Dhulapally (Post Via Kompally), Secunderabad - 500 100.
Phone: 040-65864982, 65918418, Fax: 040-23792153



MALLA REDDY ENGINEERING COLLEGE

(AUTONOMOUS)

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

Department of Mechanical Engineering

Board of Studies Meeting on 28-06-2018 at 10.00.AM

The 9th Board of Studies Meeting of B.Tech (Mechanical Engineering) Programme is scheduled on 28-06-2018 at 10.00.AM in the Department of Mechanical Engineering, Conference Hall, Malla Reddy Engineering College, Hyderabad. The Agenda of the meeting is as follows:

AGENDA

- Discussion and approval of the course structure and syllabus of B.Tech. (Mechanical Engineering) programme, MR18 Regulations (for batches admitting from the Academic year 2018-19 onwards)
- Discussion and approval of course structure and syllabus for other branches subjects.
 1. FMHM (Theory and Lab) for EEE and Mining Engg.
 2. MoS (Theory and Lab) for Mining Engg.
 3. M/c Drawing and Mechanical Technology for Mining Engg.
- Open Elective Subjects offered by Mechanical Engineering to other UG(B.Tech) Programmes.(Industrial Safety, Renewable Energy Sources, Total Quality Management).
- Suggestion and approval of panel for paper setters, valuers for both theory and practical examinations.
- 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.










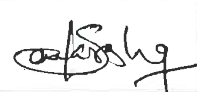
S. Sundar
28/6/18
Chairman BoS, (ME)

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

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

Department of Mechanical Engineering

The BoS meeting is held on 28.06.2018 and the following members have attended for finalization of Schema, Syllabus and other parts as per Agenda for MR18 Regulations(students admitting from AY 2018-19 onwards) for B.Tech (Mechanical Engineering) programme.

| Sl. No | Name of the Member | Designation & Official Address | Status BoS | Signature |
|--------|-------------------------|--|--------------------------------|---|
| 1 | Dr.S Sudhakara Reddy | Principal, MREC (A) | Special Invitee |  |
| 2. | Dr.S.Gunasekharan | Professor and Head, ME, MREC(A) | Chairman-BOS |  |
| 3. | Dr.K.Vijay Kumar Reddy | Professor, ME, JNTUH CEH | JNTUH Nominee |  |
| 4. | Dr.V.Suresh Babu | Prof, ME, NIT Warangal | Subject Expert Member |  |
| 5. | Dr.Narsimhulu Sanke | Professor ME-UCE(A), Osmania University. | Subject Expert Member |  |
| 6. | Sri. M Dakshina Murty | AGM,BHEL-R&D, Hyderabad | Expert Member from Industry |  |
| 7. | Mr V Narasimha Reddy | Assoc. Prof., ME,MREC(A) | Faculty Member |  |
| 8. | Dr.P.Paul Pandian | Professor ME, MREC(A) | Faculty Member |  |
| 9. | Dr.A.Raveendra | Professor, ME,MREC | Faculty Member |  |
| 10. | Mr. Metpally Saikrishna | Opti Design Solutions Hyderabad | Alumni |  |

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

June 28th, 2018

The 9th Board of studies meeting for the B.Tech(Mech) - BoS is conducted on 28-06-2018 at 10:00 AM in the conference hall, Department of mechanical engineering, 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.Gunasekharan | Professor, MED, MREC(A) | Chairman-BOS |
| 3. Dr. K.Vijay Kumar Reddy | Professor, MED, JNTUH CEH | JNTUH Nominee |
| 4. Dr. V.Suresh Babu | Professor, ME, NIT Warangal | Subject Expert Member |
| 5. Dr. Narsimhulu Sanke | 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. P.Paul Pandian | Professor, MED,MREC(A) | Faculty Member |
| 9. Dr. A.Raveendra | Professor, MED,MREC(A) | Faculty Member |
| 10. Mr. Metpally Saikrishna | Opti design solutions, Hyderabad | Alumni(MR15) |

The following is the agenda for the meeting.

- Discussion and approval of the course structure and syllabus of B.Tech. (Mechanical Engineering) programme, MR18 Regulations (for batches admitting from the Academic year 2018-19 onwards)
- Discussion and approval of course structure and syllabus for other branches subjects.
 - 1. FMHM (Theory and Lab) for EEE and Mining Engineering.
 - 2. MoS (Theory and Lab) for Mining Engineering.
 - 3. Machine Drawing and Mechanical Technology for Mining Engineering.
- Open Elective Subjects offered by Mechanical Engineering to other UG (B.Tech) Programmes. (Industrial Safety, Renewable Energy Sources, Total Quality Management).
- Suggestion and approval of panel for paper setters, valuers for both theory and practical examinations.
- 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.

At the outset, Dr. S.Gunasekharan, 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 17 regulations and also proposed modifications for MR18 regulations syllabus (Batches admitted from 2018-19 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 2018-19 and onwards.

The following resolutions are approved 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 2018-19 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, Iron CAD, Inventor, Linux, CN and FEAT FLOW.
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.

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

- Committee's approved
 - For implementing B.Tech (ME) Schema with 160 credits for MR18 Regulations
 - To reduce the credits of all practical subjects to one credit.
 - Change the name of subject from Basic Manufacturing Practices lab into Engineering Workshop.
 - Two separate subjects namely Machine Tools and Engineering Metrology made as single subject as Machine Tools and Metrology.
 - Remove the subject Electrical Drives and Micro processors.
 - Shift Finite Element Method subject from Professional core to Professional elective.
 - Split the Production Drawing Practice & Instrumentation lab in to two separate labs namely Production Drawing Practice lab and Instrumentation lab.

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

- Mention the exact name for Mathematics with topics instead of Mathematics - 1, Mathematics - 2 & Mathematics - 3.
- Increase the credits for Mathematics subjects from 3 to 4.
- Shift Engineering graphics subject from first semester to second semester.
- Rename the subject Programming for Problem Solving as Computer Programming.

Finally, Dr. S.Gunasekharan, 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 12:00 noon.

Dr.S Sudhakara Reddy



Dr.S.Gunasekharan



Dr.K.Vijay Kumar Reddy



Dr. V.Suresh Babu



Dr.Narsimhulu Sanke



Sri. M Dakshina Murty



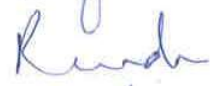
Mr V Narasimha Reddy



Dr.P.Paul Pandian



Dr.A.Raveendra



Mr. Metpally Saikrishna





Malla Reddy Engineering College

(AUTONOMOUS)

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Date: 07.06.2018

ORDER

The Mechanical Engineering – PG (M.Tech. – Thermal Engineering) Board-of-Studies for the academic year 2018-19 have been reconstituted as per the UGC guidelines with the following members.

| S. No. | Name of the Member | Designation & Official Address | Subject Specialization | Contact No. | E-mail | Category |
|--------|-------------------------|--|------------------------|-------------|---------------------------------------|-----------------------------|
| 1 | Dr.S Sudhakara Reddy | Principal, MREC(A) | Production Engineering | 9348161125 | principal@mrec.ac.in | Special Invitee |
| 2 | Dr. T.Ramachandran | Professor ME,MREC(A) | Thermal Engineering | 9442091682 | ramji.kkp@gmail.com | Chairman-BOS |
| 3 | Dr.K.Vijay Kumar Reddy | Professor, ME, JNTUH CEH | Energy Systems | 9866953636 | vijayakumarreddy@gmail.com | JNTUH Nominee |
| 4 | Dr. Morapakala Srinivas | Assoc. Prof, ME Birla Institute of Technology & Science. | Thermal Engineering | 9010202827 | morasrini@hyderabad.bits-pilani.ac.in | Subject Expert |
| 5 | Dr.Narsimhulu Sanke | Professor ME-UCE(A), Osmania University. | Thermal Engineering | 9885415325 | nsanke@osmania.ac.in | Subject Expert |
| 6 | Sri. M Dakshina Murty | AGM,BHEL-R&D,Hyderabad | Industry | 9849457064 | mdmurty@bhel.in | Expert Member from Industry |
| 7 | Mr. V Narasimha Reddy | Assoc. Prof, ME, MREC(A) | Fluid Mechanics | 9490806006 | vangurunr@yahoo.com | Faculty Member |
| 8 | Dr.S.Gunasekharan | Professor, ME, MREC(A) | Industrial Engineering | 9003804257 | mehod@mrec.ac.in | Faculty Member |
| 9 | Mr.Shaik Hussain | Assoc. Professor, ME, MREC(A) | Thermal Engineering | 9966874496 | hussainshaik.786@gmail.com | Faculty Member |
| 10 | Mr. V. Raja Ravi Teja | Sim tech Simulations Hyderabad | Thermal Engineering | 9032037603 | vrajaraviteja@gmail.com | Alumni (MR15) |

PRINCIPAL
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MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

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

Department of Mechanical Engineering

Board of Studies Meeting on 28-06-2018 at 12.00 Noon

The 9th Board of Studies Meeting of M.Tech (Thermal Engineering) programme is scheduled on 28-06-2018 at 12.00 Noon in the Department of Mechanical Engineering conference hall, Malla Reddy Engineering College, Hyderabad. The Agenda of the meeting is as follows:

AGENDA

1. Discussion and approval of the course structure and syllabus of M.Tech. (Thermal Engineering) programme, MR18 Regulations (for the batches admitting from the Academic year 2018-19 onwards).
2. Open elective subjects offered by Thermal engineering programme to other PG (M.Tech) Programmes.
3. Suggestion of panel for Paper setters, Valuers for both theory and Laboratory
4. Delegation of power to the Chairman, BOS for inclusion and exclusion of the names of the panel for paper setters and valuers of both theory and Practicals.
5. Any other item with the permission of the chair.

T. Ramachandran
28/6/18

Dr.T.Ramachandran
Chairman BOS - M.Tech (TE)

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

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

Department of Mechanical Engineering

The BoS meeting is held on 28.06.2018 and the following members have attended for finalization of Schema, Syllabus and other parts as per Agenda for MR18 Regulations(students admitting from AY 2018-19 onwards) for M.Tech (Thermal Engineering) programme.

| Sl. No | Name of the Member | Designation & Official Address | Status BoS | Signature |
|--------|-------------------------|---|-----------------------------|---|
| 1. | Dr.S Sudhakara Reddy | Principal, MREC(A) | Special Invitee |  |
| 2. | Dr. T.Ramachandran | Professor ME,MREC(A) | Chairman-BOS |  |
| 3. | Dr.K.Vijay Kumar Reddy | Professor, ME, JNTUH CEH | JNTUH Nominee |  |
| 4. | Dr. Morapakala Srinivas | Assoc. Prof, ME, Birla Institute of Technology & Science. | Subject Expert Member |  |
| 5. | Dr.Narsimhulu Sanke | Professor ME-UCE(A), Osmania University. | Subject Expert Member |  |
| 6. | Sri. M Dakshina Murty | AGM,BHEL-R&D, Hyderabad | Expert Member from Industry |  |
| 7. | Mr. V Narasimha Reddy | Assoc. Prof, ME, MREC(A) | Faculty Member |  |
| 8. | Dr.S.Gunasekharan | Professor and Head, ME, MREC(A) | Faculty Member |  |
| 9. | Mr.Shaik Hussain | Assoc. Professor, ME, MREC(A) | Faculty Member |  |
| 10. | Mr. V. Raja Ravi Teja | Sim tech Simulations Hyderabad | Alumni |  |

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

June 28th, 2018

The 9th Board of studies meeting for the M.Tech (Thermal Engineering) - BoS is conducted on 28-06-2018 at 12:00 noon in the conference hall, Department of Mechanical Engineering 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. K.Vijay Kumar Reddy | Professor, MED, JNTUH CEH | JNTUH Nominee |
| 4. Dr. Morapakala Srinivas | Assoc Prof, MED. BITS, Hyd | Subject Expert Member |
| 5. Dr.Narsimhulu Sanke | 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.Gunasekharan | Professor MED,MREC(A) | Faculty Member |
| 9. Mr. Shaik Hussain | Assoc. Professor, ME, MREC(A) | Faculty Member |
| 10. Mr. V. Raja Ravi Teja | Sim tech Simulations Hyderabad | Alumni (MR15) |

The following is the agenda for the meeting.

1. Discussion and approval of the course structure and syllabus of M.Tech. (Thermal Engineering) programme, MR18 Regulations (for the batches admitting from the Academic year 2018-19 onwards).
2. Open elective subjects offered by Thermal engineering programme to other PG (M.Tech) Programmes.
3. Suggestion of panel for Paper setters, Valuers for both theory and Laboratory
4. Delegation of power to the Chairman, BOS for inclusion and exclusion of the names of the panel for paper setters and valuers of both theory and Practicals.
5. Any other item with the permission of the chair.

At the outset, Dr.T.Ramachandran, Prof., Mech. Dept and Chairman of the M.Tech (Thermal Engineering) - 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 17 regulations and also proposed modifications for MR18 regulations syllabus (Batches admitted from 2018-19 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 2018-19 and onwards.

The following resolutions are approved after careful discussion and observations.

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 Engineering) 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 Engineering) Course from the academic year 2018-19 onwards. The devised scheme of instructions and other items have been given in Annexure-I.

1. After formulation of scheme of Instructions, the BoS has reviewed and devised the syllabus for M.Tech (Thermal Engineering) Course as per the guide lines of the AICTE and JNTUH, Hyderabad.
2. The BoS Members unanimously approved to use the following Open Source software for execution of programmes in the respective laboratories. Open FOAM, SU2, SCILAB, PYTHON, OCTAVE, GOMA 6.0 and C++.
3. 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 Engineering) Course.
4. 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 approvals were made by the members of the Board of studies.

- Committee's approved
 - implementing M.Tech (Thermal Engineering) Schema with 68 credits for MR18 Regulations.
 - change the number of theory subjects to five in the first semester, second semester
 - increase the number of practical subjects to two in first and second semester.

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

- suggested to remove The following theory subjects:
 - Turbo Machines
 - Cryogenic Engineering
 - Nano Technology
- introduce The following theory subjects:
 - Fuels & Combustion
 - Numerical Methods For Engineers
 - Turbulence Modeling
 - New& Renewable Energy Sources
- Change the title of subjects Refrigeration And Air Conditioning as Advanced Refrigeration and Air Conditioning, Advanced Heat & Mass Transfer as Process of Heat and Mass Transfer, Alternate Fuels as Alternate Fuels & Pollution and Energy Management as Energy Conservation & Management.

Finally, Dr.T.Ramachandran, Chairman – M.Tech (Thermal Engineering) 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.

Dr.S Sudhakara Reddy

Dr. T.Ramachandran

Dr.K.Vijay Kumar Reddy

Dr. Morapakala Srinivas

Dr.Narsimhulu Sanke

Sri. M Dakshina Murty

Mr. V Narasimha Reddy

Dr.S.Gunasekharan

Mr.Shaik Hussain

Mr. V. Raja Ravi Teja



Malla Reddy Engineering College

(AUTONOMOUS)

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Date: 07.06.2018

ORDER

The Mechanical Engineering – PG (M.Tech. – Machine Design) Board-of-Studies for the academic year 2018-19 have been reconstituted as per the UGC guidelines with the following members.

| S. No. | Name of the Member | Designation & Official Address | Subject Specialization | Contact No. | E-mail | Category |
|--------|-------------------------|--|------------------------|-------------|--------------------------------|-----------------------------|
| 1 | Dr.S Sudhakara Reddy | Principal, MREC(A) | Production Engineering | 9348161125 | principal@mrec.ac.in | Special Invitee |
| 2 | Dr.R.Dharmalingam | Assoc.Prof ME,MREC(A) | Engineering Design | 9786029829 | dharmalingamsns@gmail.com | Chairman-BOS |
| 3 | Dr.K.Vijay Kumar Reddy | Professor, ME, JNTUH CEH | Energy Systems | 9866953636 | vijayakumarreddy@gmail.com | JNTUH Nominee |
| 4 | Dr.V.Suresh Babu | Assoc.Prof, ME, NIT Warangal | Machine Design | 9000416646 | vsbabu@nitw.ac.in | Subject Expert |
| 5 | Dr.G.Laxmaiah | Chaitanya Bharathi Institute of Technology | Machine Design | 9849959218 | laxmaiahg@cbit.ac.in | Subject Expert |
| 6 | Sri. M Dakshina Murty | AGM,BHEL-R&D, Hyderabad | Industry | 9849457064 | mdmurty@bhel.in | Expert Member from Industry |
| 7 | Dr R S Reddy | Professor ME,MREC(A) | Machine Design | 9985306620 | srramireddy@gmail.com | Faculty Member |
| 8 | Dr.S.Gunasekharan | Professor, ME,MREC(A) | Industrial Engineering | 9003804257 | mehod@mrec.ac.in | Faculty Member |
| 9 | Mr.K Srinivasa Rao | Assoc.Professor, ME,MREC(A) | Machine Design | 9490317727 | srinivas7727@gmail.com | Faculty Member |
| 10 | Mr. Metpally Saikrishna | Opti Design Solutions Hyderabad | Machine Design | 9491558749 | Saikrishnametpally00@gmail.com | Alumni (MR15) |


PRINCIPAL
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MALLA REDDY ENGINEERING COLLEGE

(AUTONOMOUS)

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

Department of Mechanical Engineering

Board of Studies Meeting on 28-06-2018 at 1.00.PM

The 9th Board of Studies Meeting of M.Tech (Machine Design) programme is scheduled on 28-06-2018 at 1.00.PM in the Department of Mechanical Engineering conference hall, Malla Reddy Engineering College, Hyderabad. The Agenda of the meeting is as follows:

AGENDA

1. Discussion and approval of the course structure and syllabus of M.Tech (Machine Design) programme, MR18 Regulations (for the batches admitting from the Academic year 2018-19 onwards).
2. Open elective subjects offered by Machine Design programme to other PG (M.Tech) Programmes.
3. Suggestion of panel for Paper setters, Valuers for both theory and Laboratory.
4. Delegation of power to the Chairman, BOS for inclusion and exclusion of the names of the panel for paper setters and valuers of both theory and Practicals.
5. Any other item with the permission of the chair.









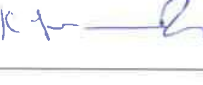

Dr.R. Dharmalingam
Chairman BOS - M.Tech (MD)

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

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

Department of Mechanical Engineering

The BoS meeting is held on 28.06.2018 and the following members have attended for finalization of Schema, Syllabus and other parts as per Agenda for MR18 Regulations(students admitting from AY 2018-19 onwards) for M.Tech (Machine Design) programme.

| Sl. No | Name of the Member | Designation & Official Address | Status BoS | Signature |
|--------|-------------------------|--|-----------------------------|--|
| 1 | Dr.S Sudhakara Reddy | Principal, MREC(A) | Special Invitee |  |
| 2. | Dr.R.Dharmalingam | Assoc.Prof ME,MREC(A) | Chairman-BOS |  28/6/18 |
| 3. | Dr.K.Vijay Kumar Reddy | Professor, ME, JNTUH CEH | JNTUH Nominee |  6/2/18 |
| 4. | Dr.V.Suresh Babu | Prof, ME, NIT Warangal | Subject Expert Member |  28/6 |
| 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 |  M. Dakshina Murty |
| 7. | Dr R S Reddy | Professor ME,MREC(A) | Faculty Member |  |
| 8. | Dr.S.Gunasekharan | Professor and Head, ME,MREC(A) | Faculty Member |  28/6/18 |
| 9. | Mr.K Srinivasa Rao | Assoc. Professor, ME,MREC(A) | Faculty Member |  |
| 10. | Mr. Metpally Saikrishna | Opti Design Solutions Hyderabad | Alumni |  |

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 28th, 2018

The 9th Board of studies meeting for the M.Tech (Machine Design) - BoS is conducted on 28-06-2018 at 1:00 PM in the conference hall, Department of Mechanical and Engineering, 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. R.Dharmalingam | Assoc Prof, MED,MREC(A) | Chairman-BOS |
| 3. Dr. K.Vijay Kumar Reddy | Professor,MED, JNTUH CEH | JNTUH Nominee |
| 4. Dr. V.Suresh Babu | Assoc.Prof, ME, NIT Warangal | 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. S.Gunasekharan | Professor, MED,MREC(A) | Faculty Member |
| 9. Mr.K.Srinivasa Rao | Assoc Prof, MED, MREC(A) | Faculty Member |
| 10. Mr. Metpally Saikrishna | Opti Design Solutions, Hyderabad | Alumni (MR15) |

The following is the agenda for the meeting.

1. Discussion and approval of the course structure and syllabus of M.Tech (Machine Design) programme, MR18 Regulations (for the batches admitting from the Academic year 2018-19 onwards).
2. Open elective subjects offered by Machine Design programme to other PG (M.Tech) Programmes.
3. Suggestion of panel for Paper setters, Valuers for both theory and Laboratory.
4. Delegation of power to the Chairman, BOS for inclusion and exclusion of the names of the panel for paper setters and valuers of both theory and Practicals.
5. Any other item with the permission of the chair.

At the outset, Dr. R.Dharmalingam, 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 17 regulations and also proposed modifications for MR18 regulations syllabus (Batches admitted from 2018-19 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 2018-19 and onwards.

The following resolutions are approved 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 2018-19 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 respective laboratories. Open FOAM, SU2, QCAD, SALOME and 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 approvals were made by the members of the Board of studies.

1. Committee's approved
 - implementing M.Tech(Machine Design) Schema with 68 credits for MR18 Regulations.
 - Reduce the number of theory subjects in the first semester, second semester to five
 - increase the laboratory subjects into two in first and second semester .

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

- to remove the following theory subjects
 - Advanced Mechanical Engineering Design
 - Numerical methods
 - Fracture Mechanics
 - Design And Analysis of Experiments
 - Computational Fluid Dynamics
- to include the following theory subjects
 - Analysis and Synthesis of Mechanisms
 - Design of Mechanical Systems
 - Computer Aided Design
 - Rotor Dynamics
 - Advanced Tool Design
 - Geometric Modeling
 - Condition Monitoring
 - Design for Process and Product Development
- Change name of Vibration analysis of Mechanical Systems subject as Mechanical Vibrations.
- Change the name of Industrial Robotics as Robotics and Control and changed to 2nd semester as a core subject.
- Change name of Applied Tribology as Fundamentals of Tribology.
- Shift Geometric modeling to 3rd semester.
- Include Advanced material testing laboratory in 1st semester.

Finally, Dr. R.Dharmalingam, 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 2:00 PM.

Dr.S Sudhakara Reddy

Dr.R.Dharmalingam

Dr.K.Vijay Kumar Reddy

Dr.V.Suresh Babu

Dr.G.Laxmaiah

Sri. M Dakshina Murty

Dr R S Reddy

Dr.S.Gunasekharan

Mr.K Srinivasa Rao

Mr. Metpally Saikrishna