



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))

ORDER

Date: 29/06/2018

The ECE UG-Board of Studies for the Academic year 2018-19 have been reconstituted as per the UGC guidelines.

S. No.	Name of the Member	Designation & Official Address	Subject Specialization	Contact No.	Email ID	Status
1	Dr. S. Sudhakara Reddy	Principal, MREC(A)	Mechanical Engineering	9348161125	principal@mrec.ac.in	Special Invitee
2	P.S.Indrani	Associate Professor, Head, Dept. of ECE, MREC	Digital Systems and Computer Electronics	9490224344	ecehod@mrec.ac.in	Chairman - BOS
3	Dr. D.Srinivasa Rao,	Professor, Dept. of ECE, JNTUH CEH, Hyderabad.	Computer Networks	9441189228	dsraoece@jntuh.ac.in	University Nominee
4	Dr. B. Rajendra Naik	Professor, Dept. of ECE, OU Hyderabad.	VLSI & Image Processing	9441222226	rajendranaikb@osmani.a.ac.in	Subject Expert Member (External)
5	Dr J Ravi Kumar	Professor, Dept. of ECE, NITW	Signal processing	8332969363	ravikumar@nitw.ac.in	Subject Expert Member
6	Mrs. N Mangala Gouri	Associate Professor, Dept. of ECE, JNTUHCEH, HYD	Optical communications	9866502396	gourimangala@jntuh.ac.in	Subject Expert Member (External)
7	Dr G.Mallikarjun Rao	Scientist F, RCI	Image processing	9490166665	mallikarjun_rci@yahoo.com	Industry Expert
8	Dr. S. Madhu Babu	Associate Professor Dept. of ECE, MREC	Communication Systems	9042857114	sikha.madhu@gmail.com	Faculty Member (Internal)
9	Dr N.Subbu Lakshmi	Associate Professor Dept. of ECE, MREC	VLSI	9843910092	lakshu.125@gmail.com	Faculty Member (Internal)
10	C.Silpa	Associate Professor Dept. of ECE, MREC	Communication	9490421721	srsilpavas@gmail.com	Faculty Member (Internal)
11	Dr T.Srinivas reddy	Associate Professor Dept. of ECE, MREC	Image processing	9492571803	srimer.2014@gmail.com	Faculty Member (Internal)
12	P.Sowjanya	Faculty, MREC	DSCE	9701519851	sowjan_13@yahoo.co.in	Alumni (R08)

(Signature)
Principal

Malla Reddy Engineering College

(Autonomous)

Email: principal@mrec.ac.in

(Post Via Kompani)

www.mrec.ac.in

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



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H. S. Sudhakara Reddy
Vice-Chancellor, P.O. UMER, EEE, M.S.M.E
Dhulapally

Lr. No: MREC (A)/BOS-ECE/UG/2018-19/Invitation/01

29.06.2018

To

Dr. D.Srinivasa Rao,
Professor, Dept. of ECE
JNTUHCE, Hyderabad.

Dear Sir,

Sub: Meeting of the Board of Studies for ECE – UG for the academic year 2018-19 : Reg.

It is pleasure to invite you for the meeting of the Board of Studies for the Electronics and Communication Engineering (UG) during the academic year 2018-19. It is scheduled at 10:00 A.M. on 3rd July, 2018 in the conference hall, Malla Reddy Engineering College (Autonomous).

We request you to make it convenient to attend the meeting.

AGENDA:

1. Discussion and approval of the scheme and Syllabus of B.Tech. –ECE (CBCS) for MR18 Regulations (for Batches starting from Academic Year 2018-19 onwards).
2. Discussion and approval of the syllabus for offering subjects to other Departments.
 - Analog Electronics (EEE)
 - Analog Electronics Lab (EEE)
 - Digital Electronics (EEE)
 - Digital Electronics Lab (EEE)
 - Signals and Systems (EEE)
 - Signals and Systems Lab (EEE)
 - Microprocessor & Microcontrollers (EEE)
 - Microprocessor & Microcontrollers Lab (EEE)
 - Digital Signal Processing (EEE)
 - Principles of Communications (CE, EEE, ME, ECE, CSE, IT and Mi.E)
 - Embedded System Design (CE, EEE, ME, ECE, CSE, IT and Mi.E)
 - VLSI Design (CE, EEE, ME, ECE, CSE, IT and Mi.E)
3. Suggestion and approval of Open Source Software's for suitable lab experiments
4. Suggestion and approval of panel for Paper setters, Valuers for both theory and practical examinations.
5. Delegation of power to the Chairman, BOS for inclusion and exclusion of any item as per the requirements.
6. Approval of any other item with the permission of the Chairman.

Principal
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S. Sudhakara Reddy
M.A., Ph.D., UPPSC, P.T.E., M.L.S.M.E
mripol

Date: 29.06.2018

**Dr J Ravi Kumar,
Professor, Dept. of ECE,
National Institute of Technology, Warangal**

Sub: Meeting of the Board of Studies for ECE – UG for the academic year 2018-19 : Reg.

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S. Sudhakara Reddy

B.Tech, M.B.A., Ph.D., LIMISTE, F.I.E., M.I.S.M.E
Principal

Lr. No: MREC (A)/BOS-ECE/UG/2018-19/Invitation/02

Date: 29.06.2018

To

Dr. B. Rajendra Naik
Professor, Dept. of ECE,
Osmania University, Hyderabad.

Dear Sir,

Sub: Meeting of the Board of Studies for ECE – UG for the academic year 2018-19 : Reg.

It is pleasure to invite you for the meeting of the Board of Studies for the Electronics and Communication Engineering (UG) during the academic year 2018-19. It is scheduled at 10:00 A.M. on 3rd July, 2018 in the conference hall, Malla Reddy Engineering College (Autonomous).

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Handwritten signature and date 29/6/18

Handwritten signature
Principal
PRINCIPAL

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S. Sudhakara Reddy
Principal

Lr. No: MREC (A)/BOS-ECE/UG/2018-19/Invitation/05

29.06.2018

To

Dr G.Mallikarjun Rao,
Scientist F, RCI

Dear Sir,

Sub: Meeting of the Board of Studies for ECE – UG for the academic year 2018-19 : Reg.

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Received on
30-06-2018

[Signature]

[Signature]
Principal

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S. Sudhakara Reddy
B.Tech., M.Tech., Ph.D., UMISTE, EEE, M.I.S.M.E
Principal

Lr. No: MREC (A)/BOS-ECE/UG/2018-19/Invitation/03

Date: 29.06.2018

To

Dr J Ravi Kumar,
Professor, Dept. of ECE,
National Institute of Technology, Warangal

Dear Sir,

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Dr. S. Sushakara Reddy
Ph.D., M.B.A., Ph.D., UGATE, S.E.E., M.S.M.E.
Principal

Lr. No: MREC (A)/BOS-ECE/UG/2018-19/Invitation/04

Date: 29.06.2018

To

Mrs. N Mangala Gouri,
Associate Professor, Dept. of ECE
JNTUHCE, Hyderabad.

Dear Sir,

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MALLA REDDY ENGINEERING COLLEGE
(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The following is the agenda for the Meeting of the Board of Studies for ECE – UG for the academic year 2018-19

AGENDA:

1. Discussion and approval of the scheme and Syllabus of B.Tech. –ECE (CBCS) for MR18 Regulations (for Batches starting from Academic Year 2018-19 onwards).
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6. Approval of any other item with the permission of the Chairman.


CHAIRMAN BOS

Mrs. P.S. INDRANI

(HOD ECE)





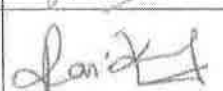

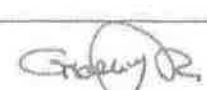




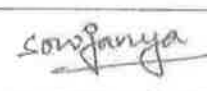


MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
Maisammaguda, Dhulapally, Secunderabad-100

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 03/07/2018

The 9th Board of Studies meeting for ECE (UG) was conducted on 03.07.2018 at 10.00AM in the conference hall. The following members were present.

S. No.	Name of the Member	Designation & Official Address	
1	Dr. S. Sudhakara Reddy	Principal, MREC(A)	
2	P.S.Indrani	Chairman- BOS Associate Professor, Dept. of ECE, MREC	
3	Dr. D.Srinivasa Rao,	Professor, Dept. of ECE, JNTUH CEH, Hyderabad.	
4	Dr. B. Rajendra Naik	Professor, Dept. of ECE, Osmania University, Hyderabad.	
5	Dr J Ravi Kumar	Asst. Professor, Dept. of ECE, National Institute of Technology, Warangal	
6	Mrs. N Mangala Gouri	Associate Professor, Dept. of ECE, JNTUHCEH, Hyderabad	
7	Dr G.Mallikarjun Rao	Scientist F, RCI	
8	Dr. S. Madhu Babu	Associate Professor Dept. of ECE, MREC	
9	Dr N.Subbu Lakshmi	Associate Professor Dept. of ECE, MREC	
10	C.Silpa	Associate Professor Dept. of ECE, MREC	
11	Dr T.Srinivas reddy	Associate Professor, ECE Department MREC	
12	P.Sowjanya	Faculty, MREC	

P.S.INDRANI
Chairman – BOS

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

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

Department of Electronics and Communication Engineering

Minutes of the meeting - UG - B.Tech.(ECE) Board of Studies

July 3rd, 2018

The 9th Board of studies meeting for the UG – B.Tech.(ECE) for MR18 is conducted on 03-07-2018 at 10:00 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. P.S.Indrani	Chairman- BoS Associate Professor, Dept. of ECE, MREC	Chairman- BOS
3. Dr. D.Srinivasa Rao	Professor, Dept. of ECE, JNTUH CEH, Hyderabad	University Nominee
4. Dr. B. Rajendra Naik	Professor, Dept. of ECE, Osmania University, Hyderabad	Subject Expert Member
5. Dr.J. Ravi Kumar	Asst Professor, Dept. of ECE, National Institute of Technology, Warangal	Subject Expert Member
6. Mrs. N. Mangala Gouri	Associate Professor, Dept. of ECE, JNTUH CEH, Hyderabad	Subject Expert Member
7. Dr.G.Mallikarjun Rao	Scientist F, RCI	Industry Expert
8. Dr. S. Madhu Babu	Associate Professor Dept. of ECE, MREC	Faculty Member
9. Dr N.Subbu Lakshmi	Associate Professor , Dept. of ECE, MREC	Faculty Member
10. C.Silpa	Associate Professor, Dept. of ECE, MREC	Faculty Member
11. Dr T.Srinivas reddy	Associate Professor, ECE Department, MREC	Faculty Member
12. P.Sowjanya	Faculty, MREC	Alumni (R08 Batch)

The following is the agenda for the meeting.

1. Discussion and approval of the scheme and Syllabus of B.Tech. –ECE (CBCS) for MR18 Regulations (for Batches starting from Academic Year 2018-19 onwards).
2. Discussion and approval of the syllabus for offering subjects to other Departments.
 - Analog Electronics (EEE)
 - Analog Electronics Lab (EEE)

Analog Electronics
Network Theory and Transmission lines
Advanced Digital Communication
Bio-Medical Electronics
JAVA Programming
Fundamentals Of Artificial Intelligence
Internet of Things(IOT) and Applications
ADHOC Wireless Sensor Networks
System on Chip Architecture
Wavelets & Its Applications
Principles Of Communication Engineering
Basics Of VLSI Design
Embedded System Design

2. Suggestion and approval of open source softwares'
3. Suggestion and approval of list of additional topics beyond the syllabus approved in the BOS and Academic council, to be covered in the class room for both theory and practical courses, that can be taught in about 3 to 5 hours / semester / course.
4. Delegation of power to the Chairman-BoS for inclusion and exclusion of any item as per requirements.
5. Approval of any other item with the permission of the Chairman.

At the outset, P.S Indrani , Assoc. Professor, ECE Department and Chairman of the B. Tech (ECE) - 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).

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 (ECE) course as per the guide lines of the AICTE and JNTUH, Hyderabad.
- 2 A After formulation of scheme of Instructions, the BOS members has reviewed and approved New courses , the following subjects are introduced for the academic year 2018-19 (MR 18).

Advanced Digital Communication
Bio-Medical Electronics
JAVA Programming
Fundamentals Of Artificial Intelligence
Internet of Things(IOT) and Applications
ADHOC Wireless Sensor Networks
System on Chip Architecture
Wavelets & Its Applications
Principles Of Communication Engineering
Basics Of VLSI Design.

2 B The Structure and Syllabus for B.Tech MR18 batch have been approved with the following suggestions

Year	Semester	Name of the Subject	Modifications Suggested
II	I	Analog Electronics lab	The following Experiments are added 1.Voltage Shunt Feedback Amplifier 2. Common Drain Amplifier 3. Voltage Series Amplifier. 4. Current Series Amplifier
III	I	Computer Organization and Operating Systems	New Modules are added MODULE IV: Operating Systems Overview MODULE V: File System Interface
III	I	Data Communications and Computer Networks	New Modules are added MODULE I: Basics of Networking and Physical layer MODULE V: Application layer
III	I	Digital Signal Processing Lab	The following Experiments are added 1.Verification of linearity and Time Invariance Properties of a given Discrete-Time System 2.Computation of Unit Sample, Unit Step and Sinusoidal responses of the given LTI Discrete-Time System
III	II	VLSI Design Lab	The following Experiments are added 1. Design and Implementation of SISO shift registers on FPGA Board. 2. Design of Sequence Detector using Melay Machines on FPGA Board. 3. Design and Implementation of SIPO shift registers on FPGA Board 4. Design of Sequence Detector using Moore Machines on FPGA Board. 5. Design of Barrel shifter. 6. Design of Carry select adder 7. Design of Serial Multiplier 8. Design of Booth Multiplier
IV	I	Microwave Engineering and Radar Systems	New Modules are added MODULE IV: Basics of Radar MODULE V: CW Modulated Radar
IV	I	WIRELESS COMMUNICATIONS	New Modules are added MODULE IV: Capacity of Wireless Channels MODULE V: : Equalization and Diversity Techniques

- 3 All the BOS members have unanimously approved the department vision, department mission & programme educational objectives (PEOs) which are given below.

Item Name	Old	Modified
Department vision	Attempting to develop innovative, competent and quality electronic engineers. To impart state of art technology and to foster a climate of professionalism and ethical values.	To produce innovative, globally competent and ethical Electronics and communication Engineers to cater socio-economic needs.
Department mission	To enrich the knowledge of students through value based education and organize various effective training programs in order to compete the advanced technology and produce employable under graduates and post graduates.	To impart quality education in Electronics and Communication Engineering discipline and produce employable graduates To improve the thought process of students by exposing them to advanced technologies and make them innovative in their career To provide ethical and value-based education by encouraging activities addressing the societal needs.
programme educational objectives (PEOs)	<p>PEO I: Graduates should emphasize their insight in mathematics, sciences, computing and fundamentals of engineering including breadth to meet global demand and competitiveness in terms of technological aspects.</p> <p>PEO II: Our graduates should excel in the best post graduate schools, reaching advanced degrees in engineering and related disciplines; should have skills for continued independent, learning to become experts in their professions.</p> <p>PEO III: Graduates should succeed with effective communicative skills and work efficiently on team based projects in electronics, communication, computational, or manufacturing firms with a sense of social responsibility</p>	<p>PEO1: Graduates acquire insights into mathematics, sciences, computing and fundamentals of electronics and communication engineering including breadth to meet global demand and competitiveness in terms of technological aspects.</p> <p>PEO2: Graduates excel in best postgraduate schools, reaching advanced degrees in engineering and related disciplines; will have skills for continued independent, lifelong learning to become experts in their profession.</p> <p>PEO3: Graduates possess best communicative skills and work efficiently on team-based projects in electronics, communication, computational and manufacturing firms with a sense of social responsibility.</p>

- 4 The BOS Members unanimously approved to use the following Open Source software for execution of programmes in the respective laboratories.

S. No	Lab Name	Software Required
1	Analog Electronics Lab	TINA/Multisim/ Any Equivalent Open Source Software
2	Signals and Stochastic Process Lab	Matlab/Octave/Any Equivalent Open Source Software
3	Analog and Digital Communications Lab	Octave/ Any Equivalent Open Source Software
4	Microprocessors and Microcontroller Lab	MASM, KEIL & Flash magic / Any Equivalent Open Source Software
5	Digital Signal Processing Lab	Matlab/Octave/ Any Equivalent Open Source Software
6	VLSI Design lab	Cadence/XILINX / Any Equivalent Open Source Software
7	Digital Image Processing Lab	Matlab/Octave/ Any Equivalent Open Source Software
8	Computer Networks Lab	Packet Tracer/NS-2 & NS-3/Wireshark / Any Equivalent Open Source Software

5. 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.(ECE) Course.
6. 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.

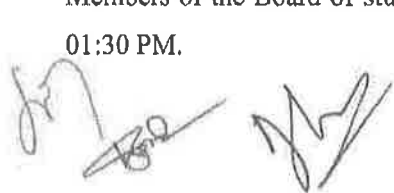
The following approvals were made by the members of the Board of studies.

- Committee's approved
 - Implementing B.Tech(ECE) Schema with 160 credits for MR18 Regulations.

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

- Basic Electrical and Electronics Engineering(BEEE) to be made mandatory for circuit branches but not for non-circuit branches.
- Data structure and BEEE to be separated for circuit and non-circuit branches.
- Mathematics I, II and III course titles to be modified according to the course content.
- In syllabus of MPMC(Microprocessors and Microcontrollers), ARM processors to be introduced.
- IN PE-V CPLD/FPGA to be replaced with SoC(System on Chip).
- ANN to be replaced with Artificial Intelligence.
- IOT/Speech Processing/Network Security and Cryptography to be introduced in the electives.
- In the syllabus of Digital Image processing, one module of video processing to be included.
- Computer Network course content to be modified.

Finally, P.S.indrani, Chairman – ECE(UG) Board of Studies has expressed her sincere thanks to all the Members of the Board of studies for their active participation and contribution. The meeting concluded at 01:30 PM.





P.S.Indrani
Chairman, ECE(UG) - BOS

MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhulapally (Via & Post) Kompally, Secunderabad-500100

Department of ELECTRONICS & COMMUNICATION ENGINEERING

COURSE STRUCTURE for AY 2018-19

SEMESTER I

S.No	Category	Course Code	Name of the Course	Contact hours/week			Credits
				L	T	P	
1	-	-	Induction programme	-	-	-	-
2	HSMC	80H01	English	3	-	-	3
3	BSC	80B01	Matrices and Calculus	3	1	-	4
4	BSC	80B02	Applied Physics	3	1	-	4
5	ESC	80501	Programming for Problem Solving	3	-	-	3
6	HSMC	80H02	English Language Lab	-	-	2	1
7	BSC	80B04	Applied Physics Lab	-	-	2	1
8	ESC	80502	Programming for Problem Solving Lab	-	-	2	1
9	ESC	80302	Engineering workshop	-	-	2	1
Total				12	02	08	18
Total contact hours				22			

SEMESTER II

S.No	Category	Course Code	Name of the Course	Contact hours/week			Credits
				L	T	P	
1	BSC	80B06	Differential equations and advanced Calculus	3	1	-	4
2	BSC	80B03	Engineering Chemistry	3	1	-	4
3	ESC	80201	Basic Electrical and Electronics Engineering	3	-	-	3
4	ESC	80503	Data Structures	3	-	-	3
5	ESC	80301	Engineering Graphics	2	-	2	3
6	BSC	80B05	Engineering Chemistry Lab	-	-	2	1
7	ESC	80202	Basic Electrical and Electronics Engineering Lab	-	-	2	1
8	ESC	80504	Data Structures Lab	-	-	2	1
9	AC	80A01	NSS/Sports/Yoga	-	-	3	-
Total				14	02	11	20
Total contact hours				27			

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SEMESTER III

S.No	Category	Course Code	Name of the Course	Contact hours/week			Credits
				L	T	P	
1	BSC	80B10	Special functions and complex variables	3	-	-	3
2	PCC	80401	Analog Electronics	3	-	-	3
3	PCC	80402	Signals and Systems	2	1	-	3
4	PCC	80403	Digital Electronics	2	1	-	3
5	PCC	80404	Probability Theory and Stochastic Process	3	1	-	4
6	PCC	80405	Network theory and Transmission lines	3	-	-	3
7	PCC	80406	Analog Electronics Lab	-	-	2	1
8	PCC	80407	Signals and Stochastic Processes Lab	-	-	2	1
9	MC	80M02	Gender Sensitization Lab	-	-	2	0
10	AC	80A02	Internship-I	-	-	-	0
Total				16	3	6	21
Total contact hours				25			

SEMESTER IV

S.No	Category	Course Code	Name of the Course	Contact hours/week			Credits
				L	T	P	
1	HSMC	80H04	Engineering Economics and Accountancy	3	-	-	3
2	ESC	80208	Control Systems	3	-	-	3
3	ESC	80408	Electromagnetic Theory & Waves.	3	-	-	3
4	PCC	80409	Analog & Digital Communications	3	1	-	4
5	PCC	80410	Electronic Circuits & Pulse Circuits	3	1	-	4
6	PCC	80411	Analog & Digital Communications Lab	-	-	2	1
7	PCC	80412	Electronic Circuits & Pulse Circuits Lab	-	-	2	1
8	PCC	80413	Digital Electronics Lab	-	-	2	1
9	MC	80M01	Environmental Science	2	-	-	0
Total				17	02	06	20
Total contact hours				25			



SEMESTER V

S.No	Category	Course Code	Name of the Course	Contact hours/week			Credits
				L	T	P	
1	PCC	80414	Microprocessors and Microcontrollers	3	-	-	3
2	PCC	80415	Linear & Digital Integrated Circuit Applications	3	1	-	4
3	PCC	80416	Data Communications and Computer Networks	3	-	-	3
4	PEC-I		Professional Elective-I:	3	-	-	3
		80429	Advanced Digital Communication				
		80537	Computer Organization & Operating Systems				
		80430	Bio-Medical Electronics				
5	OEC-I		Open Elective-I	3	-	-	3
6	PCC	80417	Microprocessors and Microcontroller Lab	-	-	3	1.5
7	PCC	80418	Linear & Digital Integrated Circuit Applications Lab	-	-	3	1.5
8	PCC	80419	Data Communications and Computer Networks Lab	-	-	2	1
9	MC	80M04	Indian Constitution	2	-	-	0
10	AC	80A03	Internship-II	-	-	-	0
Total				17	0 1	08	20
Total contact hours				26			

SEMESTER VI

S.No	Category	Course Code	Name of the Course	Contact hours/week			Credits
				L	T	P	
1	PCC	80420	Digital Signal Processing	3	-	-	3
2	PCC	80421	VLSI Design	3	-	-	3
3	PCC	80422	Antennas and Wave Propagation	3	1	-	4
4	PEC-II		Professional Elective-II	3	-	-	3
		80431	Cellular and Mobile Communications				
		80432	Electronic Measurements and Instrumentation				
		80508	JAVA Programming				
5	OEC-II		Open Elective-II	3	-	-	3
6	IISMC	80H03	English Communication and Presentation Skills Lab	-	-	2	1
7	PCC	80423	Digital Signal Processing Lab	-	-	3	1.5
8	PCC	80424	VLSI Design Lab	-	-	3	1.5
9	MC	80M03	Essence of Indian Traditional Knowledge	2	-	-	0
Total				17	1	8	20
Total contact hours				26			



SEMESTER VII

S.No	Category	Course Code	Name of the Course	Contact hours/week			Credits
				L	T	P	
1	HSMC	80H05	Management fundamentals	3	-	-	3
2	PCC	80425	Digital Image Processing	3	-	-	3
3	PCC	80426	Microwave Engineering and Radar Systems	3	-	-	3
4	PEC-III		Professional Elective-III	3	-	-	3
		80433	Fundamentals to Machine Learning				
		80434	Optical Communications				
		80435	Embedded System Design				
5	PEC-IV		Professional Elective-IV	3	-	-	3
		80436	Advanced Digital Signal Processing				
		80437	Wireless Communications				
		80438	Fundamentals of Artificial Intelligence				
6	PCC	80427	Digital Image Processing Lab	-	-	2	1
7	PCC	80428	Microwave Engineering Lab	-	-	2	1
8	PRJ	80P01	Internship-III /Mini project	-	-	-	2
9	PRJ	80P02	Main Project Stage I	-	-	4	2
Total				15	0	8	21
Total contact hours				23			

SEMESTER VIII

S.No	Category	Course Code	Name of the Course	Contact hours/week			Credits
				L	T	P	
1	PEC-V		Professional Elective-V	3	0	0	3
		80439	Internet of Things (IOT) and applications				
		80440	ADHOC Wireless Sensor Networks				
		80441	System On Chip Architecture				
2	PEC-VI		Professional Elective-VI	3	0	0	3
		80442	Advanced Microcontrollers				
		80443	Satellite Communications				
		80444	Wavelets & Its Applications				
3	OEC-III		Open Elective - III	3	0	0	3
4	PRJ	80P03	Seminar	0	0	2	1
5	PRJ	80P04	Main Project stage II	0	0	20	10
Total				9	0	22	20
Total contact hours				31			





MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhullapally, Secunderabad-500100

Department of Mathematics

25.06-2018

BOARD OF STUDIES

The Board of Studies meeting for the Department of Mathematics is convened in the conference hall, Malla Reddy Engineering College (Autonomous), Hyderabad.

The Agenda of the meeting is as follows.

AGENDA

1. Action Taken Report (ATR) on previous BoS Meeting in A.Y 2018-19
2. Review of Mathematics subjects of B. Tech. MR18 regulations course schema and syllabus.
3. Suggestion and review of panel for Paper setters, and examiners for examinations.
4. Suggest methodologies for innovative teaching and evaluation techniques.
5. Suggestion of any activity related to research, teaching, extension and other academic activities in the department/college.

S. Sanyal
Chairman - BOS

① V. S. M. S. Sanyal

② V. V. Hareendran

③ C. S. Sanyal

④ S. Sanyal

Y. Sanyal

V. K. Raju

P. Sanyal

G. Sanyal



Raveend
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Maisammaguda, Dhullapally,
(Post Via Kompally), Sec'bad-500 100

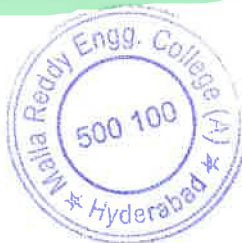
Malla Reddy Engineering College (Autonomous)

Maisammaguda, Dhulapally, Secunderabad - 500 100

26 June 2018

Minutes of Board of Studies for Mathematics meeting - MR18 regulations

1. It is recommended to adopt Mathematics - I prescribed by JNTUH as Paper - I in I semester which is common to all. This paper is titled 'Matrices and Calculus'.
2. The following changes are made in this paper
 - Unit V - Multivariable calculus is shifted to 'Differential Equations and Advanced Calculus' paper prescribed in II semester.
 - Unit IV - Calculus is changed as Unit - V
 - Introduced Fourier series as Module - IV
 - Accordingly objectives and outcomes are modified.
3. It is also recommended to adopt Mathematics - II prescribed by JNTUH as Paper - II in II semester which is common to all. This paper is titled 'Differential Equations and Advanced Calculus'.
4. The following changes are made in this paper
 - Unit IV - Vector differentiation and Unit V - Vector integration are clubbed together to form Module V and it is named as Vector calculus.
 - A topic called 'Vector identities' is removed.
 - Unit III - Multivariable calculus is renamed as 'Multiple integrals' and made as Module IV.
 - 'Applications' topic is removed in this module.
 - Multivariable calculus shifted from Paper - I is treated as Module - III in this paper.
5. Paper titled 'Probability and Statistics' is prescribed in the III semester for the CSE and IT sections and in the IV semester for Civil, Mechanical and Mining Engineering sections.
6. The following changes are recommended by the members in this paper
 - A topic called 'Statement of WLL' is added in Module - I.
 - Two topics called 'Exponential Distribution' and 'Central Limit Theorem' are added in Module II
 - A topic called 'Queuing theory' is removed from Module V accordingly the number of periods are reduced to 6.
7. Paper titled 'Special functions and complex variables' is prescribed in the III semester for EEE and ECE. The proposed syllabus as such is approved by the members without any modifications.
8. The following papers are recommended as 'Open Electives' for UG programmes.
 - ✓ Computational Mathematics
 - ✓ Applied Statistics
 - ✓ Optimization techniques
9. The following changes are recommended by the members in 'Computational Mathematics' paper.
 - A topic called 'Power method' is added in Module - I



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MALLA REDDY ENGINEERING COLLEGE
(AUTONOMOUS)
Department of Mathematics

15-12-2018

The Board of Studies meeting for Mathematics is held in the conference hall, Malla Reddy Engineering College (Autonomous)

The following members have attended to review on matters such as Schema, Syllabus of MR18 regulations, Mathematics related subjects and other points as per agenda.

S. No	Name of the Member	Designation & Official Address	Category	Signature
1	Mrs. S Saroja	Assoc. Prof. & HOD	Chairman - BOS	S. Saroja
2	Dr. V Srinivasa Kumar	Assoc. Professor, JNTUH, Hyderabad.	University Nominee	V. Srinivasa Kumar
3	Dr. V V Haragopal	Professor, BITS, Hyderabad	Subject Expert	V. V. Haragopal
4	Dr. C Subrahmanya Sastry	Assoc. Professor, IIT, Hyderabad.	Subject Expert	C. Subrahmanya Sastry
5	Dr. R Kedarnath	Delivery Head, Release Point, Hyderabad	Industry Nominee	R. Kedarnath
6	Mr. P Kalyan Kumar	Assoc. Professor, Dept. of Mathematics	Faculty Member	P. Kalyan Kumar
7	Mr. Y Suresh Kumar	Assoc. Professor, Dept. of Mathematics	Faculty Member	Y. Suresh Kumar
8	Mr. G Gangadhar	Asst. Professor, Dept. of Mathematics	Faculty Member	G. Gangadhar
9	Mr. V Naga Raju	Asst. Professor, Dept. of Mathematics	Faculty Member	V. Naga Raju
10	Ms. G Deepika	Jr. Engineer, Hyderabad Road Development Corporation	Alumni	G. Deepika

Action Taken Report (ATR) on previous BOS Meeting in AY 2018-19

The previous Board of studies meeting in AY 2018-19 was held on 26th June 2018. The following are the resolutions made in the meeting and corresponding actions taken are as follows:



Raveesh
Malla Reddy Engineering College
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Resolution 1: It is recommended to adopt Mathematics - I prescribed by JNTUH as Paper - I in I semester which is common to all. This paper is titled 'Matrices and Calculus'.

Action Taken: The revised scheme of instructions is implemented as MR18 regulations B.Tech. course schema of instructions and is implement from the academic year 2018-19 onwards.

Resolution 2: It is also recommended to adopt Mathematics - II prescribed by JNTUH as Paper - II in II semester which is common to all. This paper is titled 'Differential Equations and Advanced Calculus'

Action Taken: The revised syllabus is implemented as MR18 regulation B.Tech course syllabus is implementing from the academic year 2018-19 onwards.

Resolution 3: Paper titled 'Probability and Statistics' is prescribed in the III semester for the CSE and IT sections and in the IV semester for Civil, Mechanical and Mining Engineering sections

Action Taken: Action taken accordingly as recommended by the BOS

Suggest Methodologies for innovative teaching and evaluation techniques

1. Adoption of Bloom's taxonomy:
2. 30% of classes teaching by Power Point Presentations
3. Model presentations
4. Conducting Group Discussions among students
5. Comprehensive analytical teaching through Journal Interpretations.
6. NPTEL/MOOC Registrations
7. Remedial Classes

S. Sanyal
Chairman - BOS



Raveesh
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MALLA REDDY ENGINEERING COLLEGE

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Department of Physics

29-06-2018

Board of Studies meeting held on 29.06.2018 at 10:30 AM

The Board of Studies meeting for the Department of Physics is convened on 29.06.2018 at 10:30 AM in the conference hall, Mall Reddy Engineering College (Autonomous), Hyderabad.

The Agenda of the meeting is as follows.

AGENDA

1. Action Taken Report (ATR) on previous BoS Meeting held on 04-05-2017.
2. Discussion and review of Physics subjects of B. Tech. MR17 regulations course schema and syllabus.
3. Suggestion and review of panel for Paper setters, and examiners for examinations.
4. Suggest methodologies for innovative teaching and evaluation techniques.
5. Suggestion of any activity related to research, teaching, extension and other academic activities in the department/college.
6. Delegation of power to the Chairman-BOS based on recommendations of the internal committee, for the inclusion and exclusion of any item as per requirements.
7. Approval of any other item with the permission of the Chairman.



Ramend
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MALLA REDDY ENGINEERING COLLEGE (Autonomous)

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Date: 29-06-2018

The 9th Board of Studies meeting - Physisc is conducted on 29-06-2018 at 10.30 am in the conference hall. The following members are presented. attended to finalize MR18 Regulations (Students admitting from Academic Year 2018-19 onwards) - Syllabus for B.Tech. programme and other points of agenda.

S. No.	Name of the Member	Designation & Official Address	Designation in the Board	Signature
1	Dr. S. Sudhakara Reddy	Principal, MREC(A)	Special Invitee	
2	Dr. V. Dhanunjana Chari	Assoc. Prof. HOD	Chairman- BoS	
3	Dr. K. Vijaya Kumar	Assoc. Professor, JNTUH, CES	University Nominee	 29/6/18
4	Prof. S. Narender Reddy	Professor, UCE,OU	Subject Expert	
5	Dr. G. Venkataiah	Asst. Professor, HCU	Subject Expert	
6	Dr. P. S. R. Prasad	Scientist-F, NGRI	Industry Expert	
7	Dr. T.Vijay Kumar	Asst. Professor	Member	
8	Mr. Kesava Vamsi Krishna V.	Assoc. Professor	Member	
9	Mr B V Ramana Reddy	Asst. Professor	Member	
10	Mrs.P.S. Indrani	Assoc. Professor in ECE, MREC(A)	Alumni	

Chairman
Physics- BoS

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Maisammaguda, Dhulapally, Secunderabad - 5001 00


29 June 2018


Minutes of Board of Studies for Physics meeting - MR18 regulations


After careful and detailed discussions the Board approved the following resolutions:

1. Applied Physics is recommended for EEE, ECE, CSE and IT students in the first semester, with 3 lecture hours and 1 tutorial hour per week.
2. The following changes are recommended in this paper
 - Schrodinger's time dependent wave equation is removed in Module - I.
 - In Module - II i.e., Band theory of solids, the topic Bloch theorem for particle in a periodic potential is modified as 'Qualitative treatment of Bloch theorem for particle in a periodic potential'. Similarly Kronig - Penney model topic is approved as Qualitative treatment of Kronig - Penney model Type
 - Two chapters in Module III are clubbed and it is renamed as **Semiconductor Physics**. 'Equation of continuity' is appended. Also the topic PN Junction is modified as 'PN Junction : Formation and V-I Characteristics'. LED - Construction and working principle', 'Solar cell - Construction and I - V Characteristics' are added to this module.
 - 'Einstein coefficients' topic is recommended in Module - IV in LASER chapter. Ruby LASER and He - Ne LASER are replaced by 'Semiconductor LASER'.
3. Applied Physics lab is recommended for EEE, ECE, CSE and IT. Ten experiments are prescribed.
4. Engineering Physics is recommended for CE, ME and Min. Engineering in the second semester with 3 lecture hours and 1 tutorial hour per week.
5. The following changes are recommended in this paper.
 - In Module - II, Wave optics 'Interference due to reflected light in thin films' is added. Interferometer topics are removed.
 - Module - III is replaced by Dielectric properties of materials.
6. Engineering Physics lab is recommended for CE, ME, Min. Engineering. Ten experiments are prescribed.


29/6/18
University nominee
(Dr. K. Vijaya Kumar)


Subject Expert - I
(Prof. S. Narender Reddy)


Subject Expert-2
(Dr. G. Venkataiah)


Industry Expert
(Dr. P. S. R. Prasad)


Member
(Dr. T. Vijay Kumar)


Member
(V. K. Vamsi Krishna)


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Member
(B. V. Ramana Reddy)



Alumni
(P.S. Indrani)



Chairman, BoS - Physics
(Dr. V. Dhanunjana Chari)



Principal, MREC (A)
(Dr. S. Sudhakara Reddy)



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MALLA REDDY ENGINEERING COLLEGE

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Maisammaguda, Dhullapally, Secunderabad-500100

Department of Physics

Action Taken Report (ATR)

29th June, 2018

The previous Board of studies meeting in AY 2017-18 was held on dt: 4th May 2017. The following are the resolutions made in the meeting and corresponding actions taken are as follows.

Resolution 1: Introduction to solid state physics by C. Kittel was suggested as reference book for the solid state Physics related Chapters.

Action Taken: The suggested book has been introduced in Reference section.

Resolution 2: Diamond, ZnS and NaCl structures are introduced in crystal structures chapter in Engineering Physics Paper.

Action Taken: The above mentioned structures have been inserted in Present regulation.

Resolution 3: Postulates of Quantum Mechanics, Schrodinger's time dependent wave equation and properties of wave function are introduced in Principles of Quantum Mechanics.

Action Taken: Action taken accordingly as recommended by the BOS.

Resolution 4: Poyting Theorem is appended in Electromagnetic Theory Chapter.

Action Taken: Action taken accordingly as recommended by the BOS.

Resolution 5: Barium Titanate and Applications of ferroelectric materials are introduced in Dielectric Properties of materials chapter.

Action Taken: BaTiO₃ includes as per BoS Suggestion.

Resolution 6: High Tc superconductors introduced in Superconductivity Chapter.

Action Taken: Action taken accordingly as recommended by the BOS.



[Signature]
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Resolution 7: Advanced Physics is renamed as "Physics of Materials".

Action Taken: The Paper titled has been changed to Physics of Materials.

Resolution 8: Fiber optics is renamed as Fiber optic Materials.

Action Taken: The Chapter name renames as per BoS recommendation.

Resolution 9: LASER and Fiber optics by Ghatak and Tyagarajan was suggested as reference book for LASER and fiber optic materials chapter.

Action Taken: Action taken accordingly as recommended by the BOS.


Resolution 10: Applied Physics Lab is renamed as Engineering Physics Lab.

Action Taken: The lab title is renamed as Engineering Physics Lab


Chairman – BOS

(Dr. V. Dhanunjana Chari)




Principal
Malla Reddy Engineering College
Malsammaguda, Dhulapally,
(Post Via Kompally), Sec 10d 500102.



MALLA REDDY ENGINEERING COLLEGE

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DEPARTMENT OF CHEMISTRY

Date: 03-07-2018

Board of Studies Meeting on 03.07.2018 at 11.00 AM

The 9th Chemistry Board of Studies meeting was held on 03-07-2018 at 11.00 AM in the conference hall of Malla Reddy Engineering College (Autonomous). The following is the Agenda of the meeting.

AGENDA

1. Discussion and approval of the Syllabus of B. Tech. programme of MR18 Regulations (for Batches starting from Academic Year 2018-19 onwards) for the following subjects..

Core subjects

Chemistry

Engineering Chemistry Lab

Environmental Science

Open Electives

Chemistry of Engineering Materials

Nano Chemistry

Polymer Chemistry

2. Suggestion and approval of panel for Paper setters, Valuers for both theory and practical examinations.
3. Delegation of power to the Chairman, BOS for inclusion and exclusion of any item as per the requirements.
4. Approval of any other item with the permission of the Chairman.

Chairman
Chemistry Board of Studies

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

12. N. S. Reddy
03/7/18

V. D. Reddy
3/7/18

3/7/18

03/7/18

3/7/18

3/7/18

V. D. Reddy

3/7/18

C. Cheluvu
3/7/18





MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

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DEPARTMENT OF Chemistry

Date: 03-07-2018

The 9th Chemistry Board of Studies meeting was held on 03-07-2018 at 11.00 AM in the conference hall of Malla Reddy Engineering College (Autonomous). The following members have attended to finalize MRIS Regulations (Students admitting from Academic Year 2018-19 onwards) Syllabus for B.Tech. programme and other points of agenda.

S.No.	Name of the Member	Designation & Official Address	Designation in BOS	Signature
1	Dr. S. Sudhakara Reddy	Principal, MREC (A)	Special invitee	
2	Dr. M. Vijaya Bhaskar Reddy	Assoc. Professor & HOD Dept. of Chemistry, MREC(A)	Chairman, BOS	 3/7/18
3	Dr. A. Jaya Shree	Professor of Chemistry CCST, IST, JNTUH.	University Nominee	
4	Dr. P. Veerasomaiah	Professor., O.U, Hyderabad.	Subject Expert	 3-7-18
5	Dr. P. Murali Krishna	Asst. Professor., CBIT,OU, Hyderabad.	Subject Expert	 3/7/18
6	Dr. P. Samba Siva Reddy	M.D, Alta Vista Phyto Chemicals Pvt Ltd, Hyd	Industry Expert	
7	Dr. V. Divya	Asst. Professor	Member	
8	D.Venkat Ramulu	Asst. Professor	Member	
9	T. Ramesh	Asst. Professor	Member	 3/7/18
10	D. Raju	Asst. Professor	Member	 3/7/18
11	K. Chetaswi	Asst. Professor	Alumni Member	 3/7/18

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

Chairman
Chemistry Board of Studies
(Dr. M. Vijaya Bhaskar Reddy)



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhulapally, (Post via Kompally), Secunderabad - 500100

Minutes of meeting -Department of Chemistry

Date: 03-07-2018

The 9th Chemistry Board of Studies meeting was held on 03-07-2018 at 11.00 AM in the conference hall of Malla Reddy Engineering College (Autonomous). The following members have attended to finalize MR18 Regulations (Students admitting from Academic Year 2018-19 onwards) - Syllabus for B.Tech. programme and other points of agenda.

The following Members have attended the meeting.

S.No.	Name of the Member	Designation & Official Address	Designation in BOS
1	Dr. S. Sudhakara Reddy	Principal, MREC (A)	Special invitee
2	Dr. M. Vijaya Bhaskar Reddy	Assoc. Professor & HOD Dept. of Chemistry, MREC(A)	Chairman, BOS
3	Dr. A. Jaya Shree	Professor of Chemistry CCST, IST, JNTUH.	University Nominee
4	Dr. P. Veerasomaiah	Professor., O.U, Hyderabad.	Subject Expert
5	Dr. P. Murali Krishna	Asst. Professor., CBIT,OU, Hyderabad.	Subject Expert
6	Dr. P. Samba Siva Reddy	M.D, Alta Vista Phyto Chemicals Pvt Ltd, Hyd	Industry Expert
7	Dr. V. Divya	Asst. Professor	Member
8	D.Venkat Ramulu	Asst. Professor	Member
9	T. Ramesh	Asst. Professor	Member
10	D. Raju	Asst. Professor	Member
11	K. Chetaswi	Asst. Professor	Member

[Signature]

P. Veerasomaiah 3.7.18

[Signature] 3/7/18

[Signature]

V. Divya 3/7/18

[Signature] 3/7/18



The following is the agenda for the meeting.

1. Discussion and approval of the Syllabus of B. Tech. programme of MR18 Regulations (for Batches starting from Academic Year 2018-19 onwards) for the following programmes.

Core Subjects

- Chemistry
- Engineering Chemistry Lab
- Environmental Science

Open Electives

- Chemistry of Engineering Materials
- Nano Chemistry
- Polymer Chemistry

2. Suggestion and approval of panel for Paper setters, Valuers for both theory and practical examinations.
3. Delegation of power to the Chairman, BOS for inclusion and exclusion of any item as per the requirements.
4. Approval of any other item with the permission of the Chairman.

At the outset, Dr. M. Vijaya Bhaskar Reddy, I/C HOD and Chairman of the Chemistry Board of Studies, welcomed the members to the Board of Studies meeting. The Chairman placed on record, the existing syllabus of MR 17 regulations and also proposed modifications in the syllabus of Chemistry (I B.Tech), Engineering Chemistry Lab (I B.Tech), Environmental Science (II B.Tech) and three open electives for Academic Regulation (Batched admitted from 2018 onwards). He also explained the syllabus, credits and e-resources of the above mentioned subjects. Later Board of studies Members has in detailed discussed, reviewed each item of the proposed agenda and finally the following items have been approved by all the members of BOS to implement 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 syllabus, periods per week, and number of credits for B.Tech programme as per the guidelines of the AICTE and JNTUH, Hyderabad.
2. The BOS has collectively approved and resolved to implement subjects from the academic year 2018-19 onwards as per the guide lines of the AICTE and JNTUH, Hyderabad

[Handwritten signatures and stamps]
Principal
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100.

[Handwritten signatures and stamps]
V.D. Rao
3/7/18
IC. Cheluvu
9/7/18
Malla Reddy
13/7/18



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

Committee approved:

1. Title of the course changed from "Applied Chemistry" to "Engineering Chemistry".
2. Module-I title "Water" is changed to "Water and its treatment".
3. As per MR17 regulations, module-III, module-IV and module-V consists of polymers, fuels and combustion, composites, nanotechnology & green chemistry, respectively were completely deleted in MR 18 and introduced new modules entitled as Molecular structure and theories of bonding (module-II), Stereochemistry & NMR spectroscopy (module-IV) and Reaction mechanism and synthesis of drug molecules (module-V).
4. In addition to the above changes, in module-III (Electrochemistry & Corrosion) quinhydrone electrode, Determination of pH using glass electrode, Pilling-Bod worth rule, types of corrosion (waterline and galvanic corrosion), impressed current cathode protection method are newly added and concentration topic is deleted.

ENGINEERING CHEMISTRY LAB:

1. Title of the course changed from "Applied chemistry Lab" to "Engineering chemistry Lab".
2. "Determination of ferrous ion in cement by colorimeter" is deleted.
3. "To study the inversion of cane sugar by polarimeter" is deleted.
4. Board of Studies members suggested to remove "Preparation of Thiokol rubber".
5. Board of Studies members suggested to add "Estimation of Iron by Dichrometry" and "Determination of rate constant of hydrolysis of rate constant".
6. "Preparation of nylon 6,6" is replaced with "Preparation of Aspirin".

ENVIRONMENTAL SCIENCE:

1. In module-I "Plantation" activity is added.
2. In module-II "Case studies" activity is added.
3. In module-III "Field visit" activity is added.
4. In module-IV "Poster making" activity is added.

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OPEN ELECTIVES I: CHEMISTRY OF ENGINEERING MATERIALS

1. In module-II "Lubricants" topic replaced with "Composites".
2. In module-V "Polymers and composite materials" is replaced with "Colloids and surfactants".

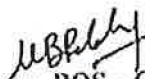
OPEN ELECTIVES II: NANO CHEMISTRY-No changes in MR 17

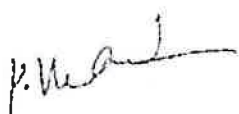


OPEN ELECTIVES III: POLYMER CHEMISTRY

1. As per AICTE model curriculum "Polymer chemistry" is introduced in place of "Photochemistry and spectroscopy".

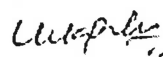
If any item need to be modified/added/deleted, the same may be circulated by E-mail to all members and after taking electronic/E-mail approval the modified may be made operational.



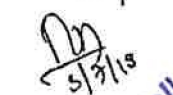
Finally, Dr. M. Vijaya Bhaskar Reddy, Chairman - Chemistry Board of Studies has expressed his sincere thanks to all the Members of the Board of studies for their active participation and contribution. The meeting concluded at 1:30 PM.

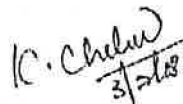

Chairman, BOS - Chemistry
(Dr. M Vijaya Bhaskar Reddy)



V. Divya





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MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda, Dhullapally, Secunderabad-500100

Department of Chemistry

03-07-2018

Board of Studies meeting on 03-07-2018 at 11:00 AM

The Board of Studies meeting for the Department of Chemistry is convened on **03-07-2018 at 11:00 AM** in the conference hall, Malla Reddy Engineering College (Autonomous), Hyderabad.

Action Taken Report (ATR) on previous BoS Meeting in AY 2018-19

The previous Board of studies meeting in AY 2017-18 was held on dt: 24 April 2017. The following are the resolutions made in the meeting and corresponding action taken are as follows

Resolution 1: Title of the course changed from “Applied Chemistry” to “Engineering Chemistry”.

Action Taken: Implementing in the syllabus from 2019-20 onwards.

Resolution 2: Module -I title “Water” is changed to “Water and its treatment”.

Action Taken: Changes will be implementing from 2019-20 onwards.

Resolution 3: As per MR17 regulations, module-III, module-IV and module-V consists of polymers, fuels and combustion, composites, nanochemistry & green chemistry, respectively were completely deleted in **MR 18** and introduced new modules entitled as **Molecular structure and theories of bonding** (module-II), **Stereochemistry & NMR spectroscopy** (module-IV) and **Reaction mechanism and synthesis of drug molecules** (module-V).

Action Taken: Implementing in the syllabus from 2019-20 onwards.

Resolution 4: In addition to the above changes, in module-III (Electrochemistry & Corrosion) **quinhydrone electrode, Determination of pH using glass electrode, Pilling-Bedworth rule, types of corrosion (waterline and galvanic corrosion), impressed current cathode protection method** are newly added and **cementation topic** is deleted.

Action Taken: Implementing in the syllabus from 2019-20 onwards.

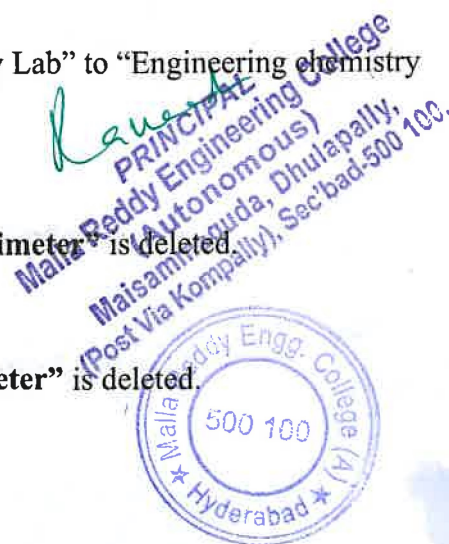
Resolution 5: Title of the course changed from “Applied chemistry Lab” to “Engineering chemistry Lab”.

Action Taken: Changes will be implementing from 2019-20 onwards.

Resolution 6: “Determination of ferrous ion in cement by colorimeter” is deleted.

Action Taken: Changes will be implementing from 2019-20 onwards.

Resolution 7: “To study the inversion of cane sugar by polarimeter” is deleted.



Action Taken: Changes will be implementing from 2019-20 onwards.

Resolution 8: Board of Studies members suggested to remove “**Preparation of Thiokol rubber**”

Action Taken: Implementing in the syllabus from 2019-20 onwards.

Resolution Board of Studies members suggested to add “**Estimation of Iron by**

Dichrometry” and “**Determination of rate constant of hydrolysis of rate constant**”

Action Taken: Implementing in the syllabus from 2019-20 onwards.

Resolution 9; “**Preparation of nylon 6,6**” is replaced with “**Preparation of Aspirin**”

Action Taken: Implementing in the syllabus from 2019-20 onwards.

Resolution 10: For four modules activities like “**Plantation**”, “**Case studies**”, “**Field visit**” and “**Poster making**” are added.

Action Taken: The above activities will be included from 2019-20 onwards.

Resolution 11; In module-II “**Lubricants**” topic replaced with “**Composites**”.

Action Taken: Lubricants will be replaced with composites

Resolution 12: In module-V “**Polymers and composite materials**” is replaced with “**Colloids and surfactants**”.

Action Taken: changes will be implementing from 2019-20 onwards

Resolution 13: As per AICTE model curriculum “**Polymer chemistry**” is introduced in place of “**Photochemistry and spectroscopy**”.

Action Taken: Changes will be implementing from 2019-20 onwards

Finally, **Dr. M. Vijaya Bhaskar Reddy**, Chairman - Chemistry 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 1:30 PM.

R. Anand
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Chairman BOS
(Dr. M. Vijaya Bhaskar Reddy)



Maisammaguda, Dhulapally, Secunderabad

Department of English

14-06-2018

To
The Principal
MREC(A)


Sir,

Sub: Meeting of the Board of Studies for English for the academic year 2018-19


It is pleasure to invite you for the meeting of the Board of Studies for English for the academic year 2018-19. It is scheduled at 11-00am on 15th June, 2018 in the conference hall, Malla Reddy Engineering College (Autonomous) . We request you to make it convenient to attend the meeting.

AGENDA:

1. Review of the syllabus for B.Tech for the academic year 2018-19.
2. Proposal/deciding the panel of examiners and valutors.
3. Any other issues with the permission of the chair.


Chairman
BOS-English




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Secunderabad-500 109.



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))

Minutes of meeting BOS - English

Date: 15-06-2018

The 9th Board of Studies meeting for English – BOS was conducted on 15-06-2018 at 11.00 am in the conference hall. The following members were present

S. No	Name of the Member	Designation & Official Address	Designation in the Board	Signature
1	Dr. S. Sudhakara Reddy	Principal, MREC(A)	Special Invitee	
2	Dr. T. V. Surendranatha Reddy	Prof., & Head Dept. of English	Chairman- BOS	
3	Dr. V. Parvathi	Assoc. Prof., Dept. of H&SS JNTUHCE	University Nominee	
4	Prof. T. Vijay Kumar	Professor, Dept. of English, OU	Subject Expert	
5	Dr. D. Murali Manohar	Professor, Department of English. HCU	Subject Expert	
6	Mr. Nitesh	HR, TechMahindra	Industry Expert	
7	Dr. Sruthi, A.P	Asst. Prof.	Faculty Member	
8	Mr. T.Jeevanandam	Asst. Prof.	Faculty Member	
9	Mr M Anjaiah	Asst. Prof.	Faculty Member	
10	Mr. Basa Arjun	Asst. Prof.	Alumni	



Raveesh

PRINCIPAL

Malla Reddy Engineering College
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Chairman
English - BOS

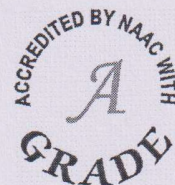
Maisammaguda, Dhulapally (Post Via Kompally), Secunderabad - 500 100.
Phone: 040-65864982, 65918418, Fax: 040-23792153

Email: principal@mrec.ac.in
www.mrec.ac.in



Malla Reddy Engineering College (Autonomous)

Maisammaguda, Dhulapally (Post Via Kompally), Secunderabad - 500100)



Department of English

Minutes of meeting BOS - English

Date: 15-06-2018

The 9th Board of Studies meeting for English – BOS was conducted on 15-06-2018 at 11.00 am in the conference hall.

At the outset, **Dr. T.V.Surendranatha Reddy**, HOD and Chairman, Board of Studies, English welcomed the members to the Board of Studies meeting. The Chairman placed on record, the existing syllabus of MR 17 regulations and also proposed modifications for MR18 regulations syllabus (Batches admitted from 2018-19 onwards) in the following subjects.

- ❖ English
- ❖ English Language Lab
- ❖ English Communication and Presentation Skills Lab
- ❖ Gender Sensitization
- ❖ English Language Skills (Open elective-I)
- ❖ Interpretation Skills and Analytical writing (Open elective-II)
- ❖ English for Academic and Research Writing (Open elective-III)
- ❖ English Language Communication Skills Lab - MBA

The members of Board of studies have in detailed discussed, reviewed the above syllabi. The following suggestions were made by the members of the Board of studies.

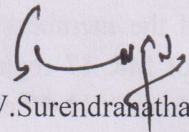
The following resolutions are made after careful discussion and observations

The following are the changes:

- The textbook, "Effective English" by Maruthi Publications prescribed for I B.Tech students during the academic year 2017-2018 is continued for the academic year 2018-2019 without any change in the topics.
- **III B.Tech. English Communication and Presentation Skills Lab** - The Module II, 'E-Correspondence and E-mail Etiquette' was changed into 'E-Correspondence and Social Media Etiquette' and Module V, 'Job Hunt Process' was changed into 'Career Progression'.
- In Open Elective, **English Language Skills**, The title of Module IV, 'Writing and Composition' was changed into 'Creative Writing'.
- It is advised to conduct oral test instead of written test on first two modules in the subject **English Language Skills**(Open Elective) and the topic SOP can be added in the V module, Writing Skills.
- In Open Elective, **Interpretation Skills and Analytical Writing**, Module II Approaches to Reading was changed into Types Of Reading and Module I & II are interchanged. Module V, Creative Writing was changed as Approaches to Literary Writing.

- The Open Elective **World Literatures** has been removed and was replaced with **English for Academic and Research Writing**.
- Feedback is to be given to the students during the presentations in order to help the students overcome the drawbacks in the lab sessions.
- Not only Speaking Skills are to be given high importance but also due emphasis should be laid on writing as well during the lab sessions.

Finally, Dr. T.V.Surendranatha Reddy, Chairman, Board of Studies, English has expressed his sincere thanks to all the Members of the Board of studies for their active participation and contribution. The meeting concluded at 2:30 PM.



(Dr. T.V.Surendranatha Reddy)

Chairman, BOS – English.



Raveedh

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

MALLA REDDY ENGINEERING COLLEGE

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Department of English

17-06-2018

Board of Studies meeting held on 15.06.2018 at 11:00 AM

The Board of Studies meeting for the Department of English was conducted on 15.06.2018 at 11:00 AM in the conference hall, Mall Reddy Engineering College (Autonomous), Hyderabad.

Action Taken Report (ATR) on BoS Meeting for the AY 2018-2019

The previous Board of studies meeting in AY2018-2019 was held on 15th June, 2018. The following are the resolutions made in the meeting and corresponding action taken are as follows:

Resolution 1: It was advised to change the title of the module II(English Communication and Presentation Skills Lab), E-Correspondence and E-mail Etiquette” as “E-Correspondence and Social Media Etiquette.”

Action Taken: As per the advice given by the members of the committee, the title of the module has been changed.

Resolution 2: It was suggested to change the title of Module IV(English Language Skills), ‘Writing and Composition’ as ‘Creative Writing’.

Action Taken: The title of the module was changed as per their instructions.

Resolution 3: It advised to replace the Open Elective, “World Literatures” with “English for Academic and Research Writing”.

Action Taken: The Open elective, “World Literatures” has been replaced with “English for Academic and Research Writing”.

Resolution 4: It was suggested by the members that not only Speaking skills but also Writing skills need to be given importance during lab sessions.

Action Taken: This has been put in practice during the lab sessions.


Chairman,
BoS, English

