



Malla Reddy Engineering College

(An UGC Autonomous Institution approved by AICTE and affiliated to JNTU Hyderabad, Accredited by NAAC with 'A' Grade (II - cycle)
NBA Accredited Programmes - UG (CE, EEE, ME, ECE & CSE) PG (CE - Structural Engg., EEE-Electrical Power Systems, ME - Thermal Engg.).

ORDER

Date: 03/11/2022

The EEE UG – Board of Studies for the Academic Year 2022-23 have been reconstituted as per the UGC guidelines.

S. No	Name of the Member	Designation & Official Address	Subject Specialization	Contact No.	E-mail	Category
1	Dr. M.Kondalu	Professor & Head, Dept. of EEE	High Voltage Engineering	9966440958	eeehod@mrec.ac.in	Chairman- BoS
2.	Dr.A.Jaya Laxmi	Professor & Head, Dept. of EEE	Power Systems	9440569949	ajl1994@jntuh.ac.in	University Nominee
3	Dr. A. Raghu Ram	Professor Dept. of EEE JNTUH College of Engineering	(Power Systems (HVE))	96764 95333	raghuram_a@jntuh.ac.in	Subject Expert Member
4	Dr.G.Yesuratnam	Professor, EEE,OU	Power Systems	9963905932	ratnamgy2003@gmail.com	Subject Expert Member (Outside the parent university)
5	Dr. D. M. Vinod Kumar	Professor, NIT, Warangal.	Power Systems	9885294521	dmvk@nitw.ac.in vinodkumar.dm@gmail.com	Subject Expert Member (Outside the parent University)
6	Dr.M.Mohan Rao	Addl. General Manager (GSG, I & Projects), BHEL, Hyderabad	Power Systems	9441286642	mmrao@bhel.in	Industry Expert
7	Dr. T. Rajesh	Professor, Dept of EEE, MREC(A)	Power Systems Engineering	9942988173	rajeshpradha@gmail.com	Faculty (Member)
8	Dr.P.Marimuthu	Professor, Dept of EEE, MREC(A)	Power Systems Engineering	9043872893	spm.muthu78@gmail.com	Faculty (Member)
9	Dr. Ch. Rami Reddy	Associate Professor, Dept. of EEE, MREC(A)	Electrical Machines and Drives	7013614827	crreddy229@gmail.com	Faculty (Member)
10	Dr.P.Ganesh	Associate Professor, Dept. of EEE, MREC(A)	Power Electronics	8341788841	ganeshp5891@gmail.com	Faculty (Member)
11	Mr.K,Ajay Kumar	Technical Officer- C, AP&SD, ECIL, Hyderabad	Electrical Power Systems	9493687932	ajaykomarabathini@gmail.com	Alumni (MR15)



Principal

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

MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
Maisammaguda, Dhulapally, Secunderabad-100
Department of Electrical and Electronics Engineering

Dt: 03/11/2022

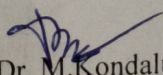
To
 The Principal,
 MREC(A),
 Secunderabad – 500100.

Respected Sir,

Sub: Request to approve the constitution of BOS – Dept. of Electrical and Electronics Engineering for UG programme (B.Tech) for the Academic Year 2022-23 – Reg.

The following are the proposed Board-of-Studies members for B.Tech of Department of EEE for the AY 2022-23. Request you to approve the same.

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11	Mr.K,Ajay Kumar	Technical Officer- C, AP&SD, ECIL, Hyderabad	Electrical Power Systems	9493687932	ajaykomarabathini@gmail.com	Alumni (MR15)


 Dr. M. Kondalu

Chairman – BOS

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

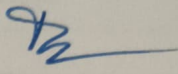

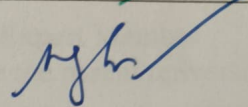
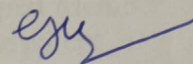
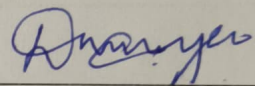
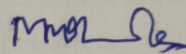
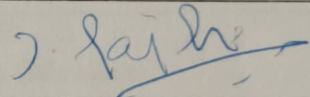
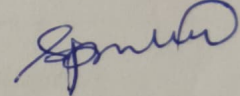
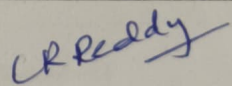

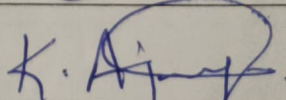
MALLA REDDY ENGINEERING COLLEGE

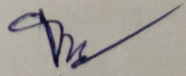
Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100.

Department of Electrical and Electronics Engineering

05-11-2022

The 17th UG - B.Tech.(EEE) Board of Studies meeting was held on 05-11-2022 at 2.30 PM. The following members have attended to finalize the I Year MR22 Regulations (Students admitting from Academic Year 2022-23 onwards) Course structures, Syllabus for B.Tech.(Electrical and Electronics Engineering) programme and other points of agenda.

S. No	Name of the Member	Designation & Official Address	Designation in the Board	Sign
1	Dr. M.Kondalu	Professor & Head, Dept. of EEE	Chairman- BoS	
2	Dr.A.Jaya Laxmi	Professor & Head, Dept. of EEE <i>Principal, JNTUH</i>	University Nominee	
3	Dr. A. Raghu Ram	Professor Dept. of EEE JNTUH College of Engineering	Subject Expert Member	
4	Dr.G.Yesuratnam	Professor, EEE,OU	Subject Expert Member (Outside the parent university)	
5	Dr. D. M. Vinod Kumar	Professor, NIT, Warangal.	Subject Expert Member (Outside the parent University)	
6	Dr.M.Mohan Rao	Addl. General Manager (GSG, I & Projects), BHEL, Hyderabad	Industry Expert	
7	Dr. T. Rajesh	Professor, Dept of EEE, MREC(A)	Faculty (Member)	
8	Dr.P.Marimuthu	Professor, Dept of EEE, MREC(A)	Faculty (Member)	
9	Dr. Ch. Rami Reddy	Associate Professor, Dept. of EEE, MREC(A)	Faculty (Member)	
10	Dr.P.Ganesh	Associate Professor, Dept. of EEE, MREC(A)	Faculty (Member)	
11	Mr.K,Ajay Kumar	Technical Officer-C, AP&SD, ECIL, Hyderabad	Alumni (MR15)	


Chairman

EEE(UG) - BOS

EEE DEPARTMENT

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'Post Via Kompally', Sec'bad-500 100.

MALLA REDDY ENGINEERING COLLEGE

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

Department of Electrical and Electronics Engineering

Minutes of meeting of EEE (UG) - BOS

05th Nov, 2022.

The 17th Board of studies meeting for the EEE (UG) is conducted in online mode. All the members of the BoS (both external and internal) attended the meeting on 05-11-2022 at 2:30 PM.

The following BOS Members have attended the Meeting:

1	Dr. M.Kondalu	Professor & Head, Dept. of EEE	Chairman- BoS
2.	Dr.A.Jaya Laxmi	Professor & Head, Dept. of EEE	University Nominee
3	Dr. A. Raghu Ram Hyderabad	Professor Dept. of EEE JNTUH College of Engineering	Subject Expert Member
4	Dr.G.Yesuratnam	Professor, EEE,OU	Subject Expert Member (Outside the parent university)
5	Dr. D. M. Vinod Kumar	Professor, NIT, Warangal.	Subject Expert Member (Outside the parent University)
6	Dr.M.Mohan Rao	Addl. General Manager (GSG, I & Projects), BHEL, Hyderabad	Industry Expert
7	Dr. T. Rajesh	Professor, Dept of EEE, MREC(A)	Faculty (Member)
8	Dr.P.Marimuthu	Professor, Dept of EEE, MREC(A)	Faculty (Member)
9	Dr. Ch. Rami Reddy	Associate Professor, Dept. of EEE, MREC(A)	Faculty (Member)
10	Dr.P.Ganesh	Associate Professor, Dept. of EEE, MREC(A)	Faculty (Member)
11	Mr.K,Ajay Kumar	Technical Officer-C, AP&SD, ECIL, Hyderabad	Alumni (MR15)

Agenda for the meeting.

- 17.1 Action Taken Report (ATR) on previous BOS Meeting in A.Y 2022-23 (Held on 12-05-2022)
- 17.2 Discussion and approval of MR22 Regulations as per R22 JNTU Regulations
- 17.3 Discussion and approval of B.Tech-EEE I Sem course **Basic Electrical and Electronics Engineering (Both Theory and Lab)** syllabus for MR22 regulations (2022 admitted batch onwards).

- 17.4 Suggestion and review panel of names for Paper setters, and examiners for both theory and practical examinations that will be submit for Academic council for approval.
- 17.5 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.
- 17.6 Approval of any other item with the permission of the Chairman.

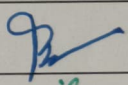
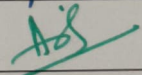
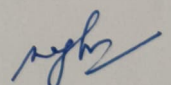
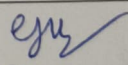
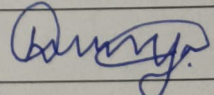
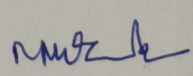
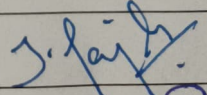
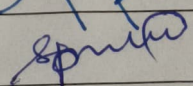
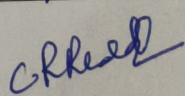
At the outset, Dr. M. Kondalu, Prof. & HOD and Chairman of the EEE (UG) - Board of Studies, welcomed the members of the BoS and appraised the purpose of the meeting. He also briefed about the previous BoS meeting resolutions and actions taken. Later, BoS members have discussed in detail about each item 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 2022-23 onwards (for 2022 - 2023 admitted batch).


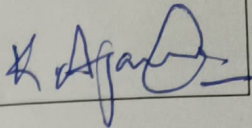
The following suggestions/resolutions were made by the members of the Board of studies:

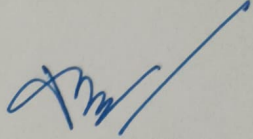
1. BoS members have thoroughly discussed the First year Course Structure and syllabus of the proposed B.Tech-EEE Programme of MR22 Regulations.
2. The BoS members reviewed the Paper setters, and examiners for both theory and practical examinations and unanimously accepted for submitting the same to Academic council for approval.

Finally, Dr. M. Kondalu, Prof. & HOD and Chairman of the EEE (UG) - Board of Studies, expressed his sincere thanks to all the members of the BoS for their active participation and contribution.

The following BOS members have attended the meeting:

S. No	Name of the Member	Designation & Official Address	Category	Signature
1	Dr. M.Kondalu	Professor & Head, Dept. of EEE	Chairman- BoS	
2.	Dr.A.Jaya Laxmi	Professor & Head, Dept. of EEE	University Nominee	
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Dr. M.Kondalu

Chairman, EEE(UG) - BOS

EEE DEPARTMENT
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MALLA REDDY ENGINEERING COLLEGE

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Department of Electrical and Electronics Engineering

Board of Studies Meeting on 05-11-2022 at 2.30 PM

The 17th Board of Studies Meeting of B.Tech (Electrical and Electronics Engineering) Programme is scheduled on 05-11-2022 at 2.30 P.M. The Agenda of the meeting is as follows:

AGENDA

1. Action Taken Report (ATR) on previous BOS Meeting in A.Y 2022-23 (Held on 12-05-2022)
2. Discussion and approval of B.Tech-EEE First Year I Sem course Basic Electrical and Electronics Engineering (both theory and lab) syllabus and subjects offering to the other departments for MR22 regulation (2022 admitted batch onwards).
3. Suggestion and review panel of names for Paper setters, and examiners for both theory and practical examinations that will be submit for Academic council for approval.
4. 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.
5. Approval of any other item with the permission of the Chairman.

Chairman BoS

B.Tech(EEE)

EEE DEPARTMENT
Malla Reddy Engineering College
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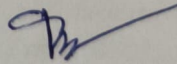
Department of Electrical and Electronics Engineering

Action Taken Report (ATR) on previous BoS Meeting (16th) in AY 2020-21

05.11.2022

The previous Board of studies meeting (16th) in AY 2022-23 was held on 12.05.2022. The following are the resolutions made in the meeting and corresponding actions taken are as follows

Resolution 1	BoS members have thoroughly discussed the Second year Course Structure and syllabus of the proposed B.Tech-EEE Programme of MR21 Regulations. After thorough discussion, all the BoS members have unanimously approved the presented Second Year Course Structure and Syllabus for the MR21 B.Tech-EEE programme.
Action Taken	The devised scheme of instructions is implemented as MR21 regulation B.Tech. (EEE) [Second Year] course schema of instructions and is implemented from the academic year 2022-23 onwards.
Resolution 2	BoS members have thoroughly discussed and unanimously approved the Third year and Fourth year Course Structures and syllabus of the proposed B.Tech-EEE Programme of MR20 Regulations.
Action Taken	The devised scheme of instructions is implemented.
Resolution 3	The BoS members accepted the choice of giving five subjects for a professional elective course in MR20 regulations as against three subjects in MR18 regulation. The BoS members have approved all the new courses (mentioned in MOM) offered under Professional Electives (PEC) list in MR 20 Regulation.
Action Taken	The same has been implemented
Resolution 4	If any item needs to be modified /added/ deleted, the same may be circulated by E-mail to all members and after taking electronic/E-mail approval the modification may be made operational.
Action Taken	Consent mail has been sent to all members of BoS and the members have given their consent for the course structure and syllabus.


Dr. M. Kondalu
Chairman, EEE(UG) - BOS
EEE DEPARTMENT
Malla Reddy Engineering College
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(Post Via Kompally), Sec'bad-500 100.

2022-23 Onwards (MR-22)	MALLA REDDY ENGINEERING COLLEGE (Autonomous)	B.Tech. I Semester		
Code: C0201	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING (Common for all branches)	L	T	P
Credits: 3		3	-	-

Prerequisites: Nil

Course Objectives: To introduce the concept of electrical circuits and its components. To introduce the characteristics of various electronic devices. To impart the knowledge of various configurations, characteristics and applications of electrical & electronic components.

MODULE I: DC Circuits

9 Periods

Electrical circuit elements (R, L and C), voltage and current sources, Kirchhoff's current and voltage laws - Series, parallel, series-parallel, star-to-delta and delta-to-star transformation-analysis of simple circuits with dc excitation. Superposition, Thevenin's and Maximum Power Transfer Theorems with DC excitation.

MODULE II: AC Circuits

9 Periods

Representation of sinusoidal waveforms, peak and rms values, phasor representation, real power, reactive power, apparent power, power factor. Analysis of single-phase ac circuits consisting of R, L, C, RL, RC, RLC combinations (series and parallel).

MODULE III: Introduction to Electrical Machines

10 Periods

A: DC Machines : Construction & Principle of Operation of DC Generators – E.M.F Equation. Principle of operation DC Motors – Back E.M.F. - Torque equation – Brake Test - Characteristics.

B: AC Machines: Construction and Principle of operation of Transformer- EMF Equation. Construction and Principle of Operation of 3 Phase Induction Motors - Brake test on 3-Phase Induction Motor – Applications.

MODULE IV: P-N Junction Diode

10 Periods

P-N Junction Diode: Diode equation, Energy Band diagram, Volt-Ampere characteristics, Temperature dependence, Ideal versus practical, Static and dynamic resistances, Equivalent circuit, Diffusion and Transition Capacitances. Zener diode operation, Zener diode as voltage regulator.

Rectifiers : P-N junction as a rectifier - Half Wave Rectifier, Ripple Factor - Full Wave Rectifier, Bridge Rectifier.

Filters : Filters – Inductor Filters, Capacitor Filters, L- section Filters, π - section Filters.

MODULE V: Bipolar Junction Transistor (BJT):

10 Periods

Bipolar Junction Transistor (BJT): Construction, Principle of Operation, Symbol, Amplifying Action, Common Emitter, Common Base and Common Collector configurations and Input-Output Characteristics, Comparison of CE, CB and CC configurations

Junction Field Effect Transistor and MOSFET: Construction, Principle of Operation, Symbol,

Pinch-Off Voltage, Volt-Ampere Characteristic, Comparison of BJT and FET.

Text Books

1. M.Surya Kalavathi, Ramana Pilla, Ch. Srinivasa Rao, Gulinindala Suresh, "Basic Electrical and Electronics Engineering", S.Chand and Company Limited, New Delhi, 1st Edition, 2017.
2. R.L.Boylestad and Louis Nashlesky, "Electronic Devices & Circuit Theory", Pearson Education, 2007.

References

1. V.K. Mehtha and Rohit Mehta, "Principles of Electrical Engineering and Electronics", S.Chand & Co., 2009.
2. Jacob Milliman, Christos C .Halkias, Satyabrata Jit (2011), "Electronic Devices and Circuits", 3rd edition, Tata McGraw Hill, New Delhi.
3. Thomas L. Floyd and R. P. Jain, "Digital Fundamentals", Pearson Education, 2009.
4. David A. Bell, "Electronic Devices and Circuits", Oxford University Press, 2008.
5. Nagrath I.J. and D. P. Kothari, "Basic Electrical Engineering", Tata McGraw Hill, 2001.
6. Mittle N., "Basic Electrical Engineering", Tata McGraw Hill Education, New Delhi, 2nd Edition, 2005.

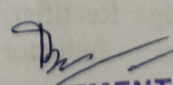
E - Resources

1. <https://www.electrical4u.com/ohms-law-equation-formula-and-limitation-of-ohms-law/>
2. <https://www.eeweb.com/passives>
3. <http://nptel.ac.in/courses/108108076/>
4. <http://nptel.ac.in/downloads/108105053/>

Course Outcomes:

At the end of the course, students should be able to

1. Apply KCL, KVL and network theorems to analyse DC circuit.
2. Analyze the single-phase AC Circuits, the representation of alternating quantities and determining the power and power factor in these circuits.
3. Comprehend the construction and Operation of DC and AC machines.
4. Understand the operation of PN Junction diode and its application in rectifier circuits.
5. Compare the different configurations of BJT and draw the V-I characteristics of BJT, JFET and MOSFET.


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2022-23 Onwards (MR-22)	MALLA REDDY ENGINEERING COLLEGE (Autonomous)	B.Tech. I Semester		
Code: C0202	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LAB (Common for all branches)	L	T	P
Credits: 1		-	-	2

Course Objectives:

To get practical knowledge about basic electrical circuits, electronic devices like Diodes, BJT, JFET and also analyze the performance of DC Motors, AC Motors and Transformers.

List of Experiments:

1. Verification of Kirchhoff's Laws.
2. Verification of Maximum Power Transfer Theorem.
3. Determination of Phase Angle for RC series circuit.
4. Brake Test on DC-Shunt Motor. Determination of Performance curves
5. Load Tests on Single Phase Transformer
6. Brake Test on Three Phase Induction Motors. Determination of Performance curves
7. V-I Characteristics of PN junction Diode
8. V-I Characteristics of Zener Diode
9. Half Wave Rectifier and Full Wave rectifier.
10. Input and Output characteristics of BJT with CE configuration
11. Input and Output characteristics of BJT with CB configuration
12. Input and Output Characteristics of JFET.

Course Outcomes:

At the end of the course, students will be able to

1. Experimentally verify the basic circuit theorems, KCL and KVL
2. Measure power, power factor and phase angle in RC circuits experimentally.
3. Acquire hands on experience of conducting various tests on dc shunt motor, single phase transformers and three phase induction motors and obtaining their performance indices using standard analytical as well as graphical methods
4. Draw the characteristics of different semiconductor devices like PN junction Diode, Zener Diode, BJT and JFET by conducting suitable experiments.
5. Experimentally verify the working of half and full wave rectifier by using PN Junction diodes.

CO- PO Mapping (3/2/1 indicates strength of correlation) 3-Strong, 2-Medium, 1-Weak															
COs	Programme Outcomes (POs)												PSOs		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3		2		2		1	1	2	1	1	1	3	1	1
CO2	3		2		2		2	1	2	1	1	1	3	1	1
CO3	3	2	2	2	2		2	1	2	1	1	1	3	1	1
CO4	3	1	2		2		1	1	2	1	1	1	3	1	1
CO5	3	1	2		2		2	1	2	1	1	1	3	1	1



Malla Reddy Engineering College



(An UGC Autonomous Institution approved by AICTE and affiliated to JNTU Hyderabad,
Accredited by NAAC with 'A++' Grade (III - cycle)

NBA Accredited Programmes - UG (CE, EEE, ME, ECE & CSE) PG (CE - Structural Engg., EEE-Electrical Power Systems, ME - Thermal Engg.).

ORDER

Date: 02/03/2023

The EEE UG – Board of Studies for the Academic Year 2022-23 have been reconstituted as per the UGC guidelines.

S. No	Name of the Member	Designation & Official Address	Subject Specialization	Contact No.	E-mail	Category
1	Dr. M.Kondalu	Professor & Head, Dept. of EEE	High Voltage Engineering	9966440958	eeehod@mrec.ac.in	Chairman-BoS
2.	Dr.A.Jaya Laxmi	Principal & Professor, Dept. of EEE, JNTUH.	Power Systems	9440569949	ajl1994@jntuh.ac.in	University Nominee
3	Dr. A. Raghu Ram	Professor Dept. of EEE JNTUH College of Engineering	(Power Systems(HVE))	96764 95333	raghuram_a@jntuh.ac.in	Subject Expert Member
4	Dr.G.Yesuratnam	Professor, EEE, Osmania University	Power Systems	9963905932	ratnamgy2003@gmail.com	Subject Expert Member (Outside the parent university)
5	Dr. D. M. Vinod Kumar	Professor, NIT, Warangal.	Power Systems	9885294521	dmvk@nitw.ac.in, vinodkumar.dm@gmail.com	Subject Expert Member (Outside the parent University)
6	Dr.M.Mohan Rao	Addl. General Manager (GSG, I & Projects), BHEL, Hyderabad	Power Systems	9441286642	mmrao@bhel.in	Industry Expert
7	Dr. T. Rajesh	Professor, Dept of EEE, MREC	Power Systems Engineering	9942988173	rajeshpradha@gmail.com	Faculty (Member)
8	Dr.P.Marimuthu	Professor, Dept of EEE, MREC	Power Systems Engineering	9043872893	spm.muthu78@gmail.com	Faculty (Member)
9	Mr.P.Kamalakar	Associate Professor, Dept. of EEE, MREC	Power Electronics	9985313683	Kamaleee209@gmail.com	Faculty (Member)
10	Dr.P.Sarala	Associate Professor, Dept. of EEE, MREC	Power Electronics	9912373645	drpsarala@mrec.ac.in	Faculty (Member)
11	Mr.K,Ajay Kumar	Technical Officer-C, AP&SD, ECIL, Hyderabad	Electrical Power Systems	9493687932	ajaykomarabathini@gmail.com	Alumni (MR15)



Principal

Principal

Malla Reddy Engineering
Maisammaguda, Dhulapally
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MALLA REDDY ENGINEERING COLLEGE

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Maisammaguda(H), Medchal - Malkajigiri District, Secunderabad, Telangana State – 500100, www.mrec.ac.in



Department of Electrical and Electronics Engineering

Board of Studies Meeting on 04-03-2023 at 2.30 PM

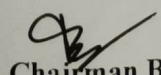
The 18th Board of Studies Meeting of B.Tech (Electrical and Electronics Engineering) Programme is scheduled on 04-03-2023 at 2.30 P.M. The agenda of the meeting is as follows:

AGENDA

1. Action Taken Report (ATR) on previous BOS Meeting in A.Y 2022-23 (Held on 05-11-2022)
2. Discussion and approval of MR22 Regulation and syllabus for B.Tech. EEE, Second Year (III Semester & IV Semester).
3. Discussion and approval of MR21 course structure and syllabus for B.Tech. EEE Third Year (V Semester & VI Semester)
4. Discussion and approval of Open Electives offered by EEE department under MR21 regulation.
5. Discussion and approval of MR20 course structure and syllabus for B.Tech. EEE Final Year (VII Semester & VIII Semester)
6. Discussion and approval of syllabus for following service subjects offered by the Department of EEE

Sl.No.	Regulation	Year / Semester	Subject with Code
1	MR22	Second Year (III- Semester)	Electrical Machines and Controls (C0252)
2	MR21	Third Year (V- Semester)	Control Systems (B0208)

7. Discussion and approval for considering the following Mandatory Courses present in MR20 as Open Electives in MR22 regulations
B00M6- Introduction to Artificial Intelligence in Semester –V and B00M5 - Introduction to Cyber Security in Semester – VI
8. Suggestion and review panel of names for Paper setters, and examiners for both theory and practical examinations that will be submit for Academic council for approval.
9. 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.
10. Approval of any other item with the permission of the Chairman.


Chairman BoS
EEE DEPARTMENT
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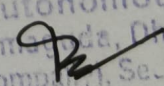
Department of Electrical and Electronics Engineering

Action Taken Report (ATR) on previous BoS Meeting (17th) in AY 2022-23

03.03.2023

The previous Board of studies meeting (17th) in AY 2022-23 was held on 05.11.2022. The following are the resolutions made in the meeting and corresponding actions taken are as follows

Resolution	BoS members have thoroughly discussed the First year Course Structure and syllabus of the proposed B.Tech-EEE Programme of MR22 Regulations. After thorough discussion, all the BoS members have unanimously approved the First Year Course Structure and Syllabus for MR22 B.Tech-EEE programme.
Action Taken	The devised scheme of instructions is implemented as MR22 regulation for First Year B.Tech. (EEE) from the academic year 2022-23 onwards.
Resolution	BoS members have thoroughly discussed and unanimously approved the Second year and Third year course Structures and syllabi of the proposed B.Tech-EEE Programme of MR21 and MR20 Regulations.
Action Taken	The devised scheme of instructions is implemented.

EEE DEPARTMENT
Malla Reddy Engineering College
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Dr. M. Kondalu
Chairman, EEE(UG) - BOS

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

Department of Electrical and Electronics Engineering

Minutes of meeting of EEE (UG) - BOS

04th March, 2023.

The 18th Board of studies meeting for the EEE (UG) is conducted in online mode. All the members of the BoS (both external and internal) attended the meeting on 04-03-2022 at 2:30 PM.

The following BOS Members have attended the Meeting:

1	Dr. M.Kondalu	Professor & Head, Dept. of EEE	Chairman- BoS
2.	Dr.A.Jaya Laxmi	Principal & Professor, Dept. of EEE,JNTUH.	University Nominee
3	Dr. A. Raghu Ram	Professor Dept. of EEE JNTUH College of Engineering	Subject Expert Member
4	Dr.G.Yesuratnam	Professor, EEE,OU	Subject Expert Member (Outside the parent university)
5	Dr. D. M. Vinod Kumar	Professor, NIT, Warangal.	Subject Expert Member (Outside the parent University)
6	Dr.M.Mohan Rao	Addl. General Manager (GSG, I & Projects), BHEL, Hyderabad	Industry Expert
7	Dr. T. Rajesh	Professor, Dept of EEE, MREC(A)	Faculty (Member)
8	Dr.P.Marimuthu	Professor, Dept of EEE, MREC(A)	Faculty (Member)
9	Mr.P.Kamalakar	Associate Professor, Dept. of EEE, MREC(A)	Faculty (Member)
10	Dr.P.Sarala	Associate Professor, Dept. of EEE, MREC(A)	Faculty (Member)
11	Mr.K,Ajay Kumar	Technical Officer-C, AP&SD, ECIL, Hyderabad	Alumni (MR15)

Agenda for the meeting.

18.1	Action Taken Report (ATR) on previous BOS Meeting in A.Y 2022-23 (Held on 05-11-2022)
18.2	Discussion and approval of MR22 Regulation and syllabus for B.Tech. EEE, Second Year (III Semester & IV Semester).
18.3	Discussion and approval of MR21 course structure and syllabus for B.Tech. EEE

	Third Year (V Semester & VI Semester)
18.4	Discussion and approval of Open Electives offered by EEE department under MR21 regulation.
18.5	Discussion and approval of MR20 course structure and syllabus for B.Tech. EEE Final Year (VII Semester & VIII Semester)
18.6	Discussion and approval of syllabus for following service subjects offered by the Department of EEE
18.7	Discussion and approval for considering the following Mandatory Courses present in MR20 as Open Electives in MR22 regulations B00M6- Introduction to Artificial Intelligence in Semester –V and B00M5 - Introduction to Cyber Security in Semester – VI
18.8	Suggestion and review panel of names for Paper setters, and examiners for both theory and practical examinations that will be submit for Academic council for approval.
18.9	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.
18.10	Approval of any other item with the permission of the Chairman.

At the outset, Dr. M.Kondalu, Prof. & HOD and Chairman of the EEE (UG) - Board of Studies, welcomed the members of the BoS and appraised the purpose of the meeting. He also briefed about the previous BoS meeting resolutions and actions taken. Later, BoS members have discussed in detail about 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 2023-24 onwards.

The following suggestions/resolutions were made by the members of the Board of studies:

1. BoS members have thoroughly discussed and approved MR22 Regulations prepared as per R22 JNTU Regulations.
2. BoS members have thoroughly discussed and approved the MR22 Regulation and syllabus for B.Tech. EEE, Second Year (III Semester & IV Semester).
3. BoS members have thoroughly discussed and approved the MR21 course structure and syllabus for B.Tech. EEE Third Year (V Semester & VI Semester)
4. BoS members have thoroughly discussed and approved the MR20 course structure and syllabus for B.Tech. EEE Final Year (VII Semester & VIII Semester)

5. The BOS members have suggested to apply for AICTE and DST funding.
6. The BOS members have 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.

Finally, Dr. M.Kondalu, Professor & HOD and Chairman of the EEE(PG) Board of Studies has expressed his sincere thanks to all the Members of the Board of Studies for their active participation and valuable suggestions. The meeting concluded at 4:30 PM.

The following BOS members have attended the meeting:

S. No	Name of the Member	Designation & Official Address	Category
1	Dr. M.Kondalu	Professor & Head, Dept. of EEE	Chairman- BoS
2.	Dr.A.Jaya Laxmi	Principal & Professor, Dept. of EEE, JNTUH.	University Nominee
3	Dr. A. Raghu Ram	Professor, Dept. of EEE JNTUH College of Engineering	Subject Expert Member
4	Dr.G.Yesuratnam	Professor, EEE, Osmania University	Subject Expert Member (Outside the parent university)
5	Dr. D. M. Vinod Kumar	Professor, NIT, Warangal.	Subject Expert Member (Outside the parent University)
6	Dr.M.Mohan Rao	Addl. General Manager (GSG, I & Projects), BHEL, Hyderabad	Industry Expert
7	Dr. T. Rajesh	Professor, Dept of EEE, MREC	Faculty (Member)
8	Dr. P.Marimuthu	Professor, Dept of EEE, MREC	Faculty (Member)
9	Dr. D. Raja Reddy	Assistant Professor, Dept of EEE, MREC	Faculty (Member)
10	Dr.P.V.V.Satyanarayana	Professor, Dept. of EEE, MREC	Faculty (Member)
11	Mr.K,Ajay Kumar	Technical Officer-C, AP& SD, ECIL, Hyderabad	Alumni (MR15)

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Dr. M. Kondalu
Chairman, EEE(PG) - BOS

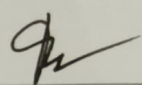
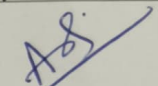
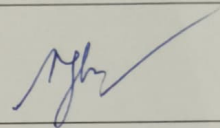
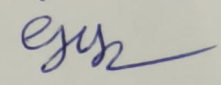
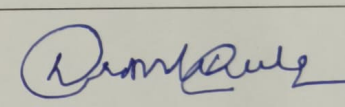
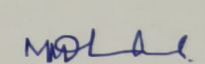
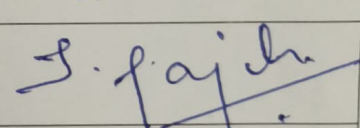
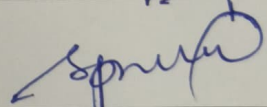
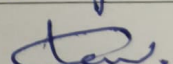
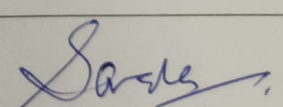
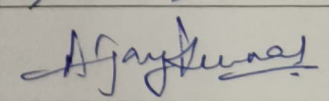
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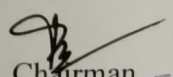
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Department of Electrical and Electronics Engineering

04-03-2023

The 18th UG - B.Tech.(EEE) Board of Studies meeting was held on 04-03-2023 at 2.30 PM. The following members have attended to finalize the II Year MR22 Regulation, III Year MR21 and IV Year MR20 course structure and syllabus for B.Tech.(Electrical and Electronics Engineering) programme and other points of agenda.

S. No	Name of the Member	Designation & Official Address	Designation in the Board	Sign
1	Dr. M.Kondalu	Professor & Head, Dept. of EEE	Chairman- BoS	
2	Dr.A.Jaya Laxmi	Principal & Professor, Dept. of EEE, JNTUH.	University Nominee	
3	Dr. A. Raghu Ram	Professor Dept. of EEE JNTUH College of Engineering	Subject Expert Member	
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6	Dr.M.Mohan Rao	Addl. General Manager (GSG, I & Projects), BHEL, Hyderabad	Industry Expert	
7	Dr. T. Rajesh	Professor, Dept of EEE, MREC	Faculty (Member)	
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9	Mr.P.Kamalakar	Associate Professor, Dept. of EEE, MREC	Faculty (Member)	
10	Dr.P.Sarala	Associate Professor, Dept. of EEE, MREC	Faculty (Member)	
11	Mr.K,Ajay Kumar	Technical Officer-C, AP&SD, ECIL, Hyderabad	Alumni (MR15)	


Chairman
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