



Malla Reddy Engineering College

(An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad). Accredited 3rd time by NAAC with 'A++' Grade, NIRF Rank Band 250-300, ARIIA Band Performer, NBA Tier -I Accredited (B.Tech – CE, EEE, ME, ECE & CSE, M.Tech – Structural Engg, Electrical Power Systems, Thermal Engg.) Maisammaguda(H), Medchal - Malkajgiri District, Secunderabad, Telangana State – 500100, www.mrec.ac.in



The 13th BOARD OF STUDIES MEETING

ACADEMIC YEAR 2022-23

(MR22 REGULATIONS)



DEPARTMENT OF INFORMATION TECHNOLOGY

R. Durgawari

N. Sathish Kumar

H. M.

P. S.

Deena

H. M.



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.).

Date: 15-07-2021

ORDER

Malla Reddy Engineering College (Autonomous) is a self-financed UGC-Autonomous Institution, Approved by AICTE and affiliated to Jawaharlal Nehru Technological University, Hyderabad, Recognized under 2(f) & 12 (B) of UGC Act 1956, Accredited by NAAC with Grade 'A' (II Cycle) and NBA (UG-CE, EEE, ME, ECE, CSE & PG-SE, TE and EPS). The department academic activities are governed through a Board of Studies (BoS) which is responsible for its overall framing of schema and syllabus for various courses in the keeping in view the objectives of the college, interest of the stakeholders and national requirement for consideration and forwards for approval of the Academic Council.

The UG - B.Tech.(IT) Board of Studies for the Academic Years 2021-22 to 2022-23 have been reconstituted as some of the previous members' relieved from the institute and as per the UGC guidelines with the following members.

The following is the list of Board of Studies members Constituted for the Academic Years 2021-22 to 2022-23.

S. No.	Name of the Member	Designation	Phone No. & e-mail id	Subject Specialization	Position	Category
Chairman (Concerned Head of the Department)						
1	Dr. Deena Babu Mandru	HoD & Professor	9491369993, dbmandru@gmail.com	IT	Chairman	Chairman
One expert Member to be nominated by the Vice-Chancellor of the Affiliating University						
2	Dr. D. Ramesh	Prof & Head, CSE, JNTUHCEJ.	9866789967, dantamr@yahoo.com	CSE	Member	University Nominee
Two Subject Experts from Outside the Affiliating University to be Nominated by the Academic Council						
3	Dr. M. Swami Das	Professor, Dept. of CSE, CBIT, Hyd.	9490475959, msdas@cbit.ac.in	CSE	Member	Subject Expert
4	Dr. M. Suresh Babu	Professor, Dept. of CSE, K.L.U-Hyd.	9989988912, principaliis@rediffmail.com	CSE	Member	Subject Expert
One Representative from Industry/Corporate Sector/Allied Area Relating to Placement						
5	Mr. Girish	Co-Founder & CEO QSpiders	9980400900, girish@qspiders.com	CSE	Member	Industry Expert
Faculty of Specialization						
6	Dr. A.Vijendar	Assoc. Professor	94927 83277 amgothu.vijendar@gmail.com	CSE	Member	Teaching Staff
7	Mr. G. Sathish	Assistant Professor	8008537958, gsatti.kumar@gmail.com	IT	Member	Teaching staff
8	Mr. A. Venktrami Reddy	Assistant Professor	7993693680, ailuri.vrreddy@gmail.com	IT	Member	Teaching staff
9	Ms.P.Swapna	Assistant Professor	88857 55687, swapna.pochaboina@gmail.com	IT	Member	Teaching staff
10	Ms.T. Swapna	Assistant Professor	9985888562, swapnacse.mtech@gmail.com	IT	Member	Teaching staff
11	Mrs. Rajesjwari Harbeel	Assistant Professor	80506 27232 rajhirebeel@gmail.com	IT	Member	Teaching staff
One Graduate Meritorious Alumnus to be Nominated by the Principal						
12	Mr. Vishal Cheruku	Transportation Specialist-I, Amazon service Pvt Ltd, Hyderabad	7396802209, vishalcherku6@gmail.com	IT	Member	Alumni (MR13Batch)



Ramesh
Principal

Malla Reddy Engineering College



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Department of Information Technology

05.11.2022

Action Taken Report (ATR) on previous BoS Meeting (12th) in AY 2020-21

The previous Board of Studies meeting (2nd) in AY 2022-23 was held on 11/05/2022. 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-IT 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 Regulations.
Action Taken	The devised scheme of instructions is implemented as MR21 regulation B.Tech. IT for Second Year course schema of instructions and is implemented from the academic year 2022-23 onwards.
Resolution 2	BoS members have thoroughly discussed the Third Year Course Structure and syllabus of the proposed B.Tech-IT Programme of MR20 Regulations. After thorough discussion, all the BoS members have unanimously approved the presented Third year Course Structure and Syllabus for the MR21 Regulations.
Action Taken	The devised scheme of instructions is implemented as MR20 regulation B.Tech. IT for Third Year course schema of instructions and is implemented from the academic year 2022-23 onwards.
Resolution 3	BoS members Suggested that Courses like Data Science using R Programming, Data Science using R Programming Lab, Computer Networks and Computer Networks Lab" are introduced in III Year I semester (MR20 Regulations)
Action Taken	The same has been implemented
Resolution 4	BoS members Suggested that Courses like Android Application Development, Free & Open Source Software's and Principles of Programming Languages in MR21 regulations as Professional Electives.
Action Taken	The same has been implemented
Resolution 5	BoS members Suggested that assign 2/3 Credits for Internship Evaluation Report in IV Year I Semester for MR20 Regulations and Major Project could be separate and conduct as Major Project Stage-I (IV Year I Semester) and Major Project Stage-II (IV Year II Semester) and allocate Credits as per MR20 Regulations.
Action Taken	The same has been implemented
Resolution 6	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.

N. Srinivas Reddy
N. Srinivas Reddy
P. Srinivas Reddy
Srinivas Reddy

Dr. Deena Babu Mandru
Chairman,
B.Tech-IT(UG)-BOS



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

The 13th Board of Studies Meeting of B.Tech (IT) 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 11/05/2022)
2. Discussion and approval of MR22 Regulations as per R22 JNTU Regulations.
3. Discussion and approval of MR20 III Year II semester, IV Year I Semester and IV Year II Semester Course Structure and detailed Syllabus.
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.
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.
6. Approval of any other item with the permission of the Chairman.

N. Shishuvar

P. P.

Shiv

N. S. B.


Chairman

BoS B.Tech(IT)



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Date: 05-11-2022

The 13th UG-B.Tech-IT Board of Studies meeting was held on 05-11-2022 at 2.30 PM. The following members have attended to finalize the First Year MR22 Regulations (Students admitting from Academic Year 2022-23 onwards) Course structures, Syllabus for B.Tech IT programme and other points of agenda.

Sl. No	Name of the Member	Designation & Official Address	Category	Signature
1	Dr. Deena Babu Mandru	Professor & Head	Chairman- BoS	
2.	Dr. D. Ramesh	Principal JNTUH College of Engg, Jagityal.	University Nominee	
3	Dr. M. Swami Das	Professor, Dept.of CSE, CBIT, Hyd.	Subject Expert Member (Outside the Parent University)	Online
4	Dr. M. Suresh Babu	Professor, Dept.of CSE. K.L.U-Hyd.	Subject Expert Member (Outside the Parent University)	
5	Mr.Siddartha Kaul	CEO, Legato Health Care Solutions, Hyderabad	Industry Expert	Online
6	Ms.P.Swapna	Assistant Professor	Faculty (Member)	
7	Mrs.M.Sandya Vani	Assistant Professor	Faculty (Member)	
8	Mr.N.Sathish Kumar	Assistant Professor	Faculty (Member)	
9	Mr.P.Saidulu	Assistant Professor	Faculty (Member)	
10	Mr. A. Venktrami Reddy	Assistant Professor	Faculty (Member)	
11	Dheeraj Tallapally	S/W Engg, DBS Bank, Hyderabad	Alumni	

Chairman

B.Tech-IT(UG)-BOS



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Minutes of Meeting

Date: 05/11/2022.

The 13th Board of Studies Meeting for the B.Tech-IT is conducted in offline mode. All the members of the BoS (both external and internal) attended the meeting on 05/11/2022 at 12:30 PM.

The following BOS Members have attended the Meeting:

Sl.No	Name of the Member	Designation	Position
1	Dr. Deena Babu Mandru	Professor & Head	Chairman- BoS
2.	Dr. D. Ramesh	Principal, JNTUH College of Engg, Jagitya.	University Nominee
3	Dr. M. Swami Das	Professor, Dept. of CSE, CBIT, Hyd.	Subject Expert Member (Outside the Parent University)
4	Dr. M. Suresh Babu	Professor, Dept. of CSE. K.L.U-Hyd.	Subject Expert Member (Outside the Parent University)
5	Mr.Siddartha Kaul	CEO, Legato Health Care Solutions, Hyderabad	Industry Expert
6	Ms.P.Swapna	Assistant Professor	Teaching Staff
7	Mrs.M.Sandya Vani	Assistant Professor	Teaching Staff
8	Mr.N.Sathish Kumar	Assistant Professor	Teaching Staff
9	Mr.P.Saidulu	Assistant Professor	Teaching Staff
10	Mr. A. Venktrami Reddy	Assistant Professor	Teaching Staff
11	Dheeraj Tallapally	S/W Engg, DBS Bank, Hyderabad	Alumni

Agenda of the Meeting:

1	Action Taken Report (ATR) on previous BOS Meeting in A.Y 2022-23 (Held on 11/05/2022).
2	Approval of MR22 Regulations and I Year IT Course Structure and Syllabus
3	Discussion and approval of MR20 III Year II semester, IV Year I Semester and IV Year II Semester Course Structure and detailed Syllabus.
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.
.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.
	Approval of any other item with the permission of the Chairman.

At the outset, Dr.Deena Babu Mandru, Prof. & HOD and Chairman of the IT (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).

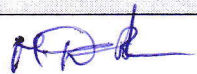


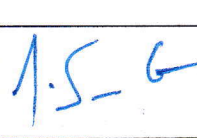

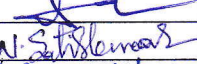
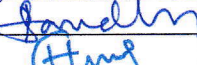

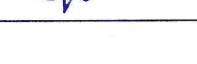

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The following suggestions/resolutions were made by the members of the Board of studies:

1. BoS members have thoroughly discussed and approved MR22 Regulations prepared as per R22 JNTU Regulations.
2. BoS members have thoroughly discussed the **First Year** Course Structure and syllabus of the proposed B.Tech-AIML Programme of **MR22** Regulations.
3. BOS Members suggested that change the course title of **Essentials of Big Data Analytics** as **Big Data Analytics** in III Year II Semester MR20 Regulations.
4. BOS Members suggested that change the course title of **Fundamentals of Block Chain Technology** as **Block Chain Technology** in IV Year I Semester MR20 Regulations.
5. BOS Members suggested that change the course title of **Applications of Deep Learning** as **Deep Learning** in IV Year I Semester MR20 Regulations.
6. 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.Deena Babu Mandru, Prof.& HOD and Chairman of the IT (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:

Sl. No	Name of the Member	Designation & Official Address	Category	Signature
1	Dr. Deena Babu Mandru	Professor & Head	Chairman- BoS	
2.	Dr. D. Ramesh	Principal JNTUH College of Engg, Jagityal..	University Nominee	
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Dr.Deena Babu Mandru
Chairman, IT (UG)-BOS



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Course Structure

(MR22 Regulations-Effective from the Academic Year 2022–23 onwards)

I YEAR I SEMESTER						
S. No.	Course Code	Name of the Course	L	T	P	Credits
1		Matrices and Calculus	3	1	0	4
2		Engineering Chemistry	3	1	0	4
3		Programming for Problem Solving	3	0	0	3
4		Basic Electrical Engineering	2	0	0	2
5		Computer Aided Engineering Graphics	1	0	4	3
6		Elements of Computer Science & Engineering	0	0	2	1
7		Engineering Chemistry Laboratory	0	0	2	1
8		Programming for Problem Solving Laboratory	0	0	2	1
9		Basic Electrical Engineering Laboratory	0	0	2	1
Total Credits			12	2	12	20

I YEAR II SEMESTER						
S. No.	Course Code	Name of the Course	L	T	P	Credits
1		Ordinary Differential Equations and Vector Calculus	3	1	0	4
2		Applied Physics	3	1	0	4
3		Engineering Workshop	0	1	3	2.5
4		English for Skill Enhancement	2	0	0	2
5		Electronic Devices and Circuits	2	0	0	2
6		Applied Physics Laboratory	0	0	3	1.5
7		Python Programming Laboratory	0	1	2	2
8		English Language and Communication Skills Laboratory	0	0	2	1
9		IT Workshop	0	0	2	1
Total Credits			10	4	12	20

N. Satish Kumar
Jarell *P. S. R.* *N. S. G.*



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IV Year Course Structure for B.Tech Information Technology (IT) Programme
(MR20 Regulations–Effective from the Academic Year 2020-21 onwards)

IV Year I Semester							
S.No	Category	Course Code	Name of the Course	Contact Hours/Week			Credits
				L	T	P	
1	HSMC	A0H09	Management Fundamentals	3	-	-	3
2	PCC	A1228	Data Mining	3	-	-	3
3	PCC	A1229	Internet of Things	3	-	-	3
Professional Elective –VI							
4	PEC-VI	A1230	IT Infrastructure Management	3	-	-	3
		A1231	AI for Robotics				
		A1232	Software Project Management				
		A1233	Block Chain Technology				
		A1234	Deep Learning				
5	OEC-II	Open Elective-II		3	-	-	3
6	OEC-III	Open Elective-III		3	-	-	3
7	PCC	A1235	Data Mining Lab	-	-	4	2
8	PCC	A1236	Internet of Things Lab	-	-	4	2
9	PROJ	A0P01	Major Project Stage-I	-	-	4	2
Total				18	-	12	24
Total Contact Hours				30			

IV Year II Semester							
S.No	Category	Course Code	Name of the Course	Contact Hours/Week			Credits
				L	T	P	
1			Professional Elective –V	3	-	-	3
2	TSEM	A0P02	Technical Seminar on Emerging Areas	-	-	2	1
3	PROJ	A0P03	Major Project Stage-II	-	-	24	12
Total				-	-	26	16
Total Contact Hours				26			