Malla Reddy Engineering College

(UGC Autonomous Institution, Approved by AICTE, & Affiliated to JNTUH).
Accredited by NAAC with 'A++' Grade (III Cycle), Maisammaguda (H), Medchal-
Malkajgiri District, Secunderabad, Telangana –500100, www.mrec.ac.in

Department of B.Tech-AIML

28th May, 2022

Attendance Sheet

The **2nd** **Board of Studies (BoS)** meeting for **B.Tech-AIML** (UG) is held on **28th May, 2022** at **02:00 P.M.** through **Online** mode to **Review the Course Schema and Syllabus of 1st and 2nd Years** for **MR21** regulations. The following members are attended to the meeting to finalize course structure, syllabus and few amendments of **MR21 Regulations** and other points of agenda.

S.No.	Name of the Member	Designation & Official Address	Category	Signature
1	Dr. Deena Babu Mandru	Professor & HOD	Chairman	
2	Dr.A.Govardhan	Professor, Dept. of CSE & Rector, JNTUH, Hyderabad	University Nominee	28/05/2022
3	Dr.C.Krishna Mohan	Professor, Dept. of CSE, IIT-Hyderabad	Subject Expert (Outside the Parent University)	Online
4	Dr.D.V.N.Siva Kumar	Assistant Professor, Dept. of CS&IS, BITS Pilani, Hyderabad	Subject Expert (Outside the Parent University)	Online
5	Mr.Phani Karnati	Head of AIML, ViHaVe.ai, Hyderabad	Industry Expert	Online
6	Mr.M.Srinivasa Reddy	Associate Professor	Member	Reddy
7	Mrs.M.Sandhya Vani	Assistant Professor	Member	
8	Mrs.R.Durga Devi	Assistant Professor	Member	R.Durga Devi
9	Mr. Vishal Cheruku	Transportation Specialist-I , Amazon Pvt Ltd, Hyderabad	Member	Online

Chairman
BoS-UG (AIML)

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Department of B.Tech-AIML

May 28th, 2022

2nd Board of Studies (BoS)

Agenda

The following is the agenda for the meeting.

1. Review on I Year and II Year Course Schema and detailed Syllabus for MR21 Regulations.

2. Any others suggested by Honorable Members
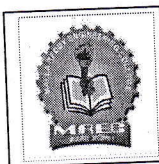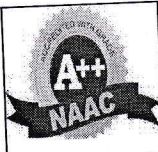
Chairman

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Department of Artificial Intelligence and Machine Learning

May 28th, 2022

2nd Board of Studies (BOS)

Action Taken Report (ATR) on previous BoS Meeting for the A.Y:2021-22 held on 06.04.2022.

The following suggestions given by honorable members in the 1st BoS and we made those changes accordingly.

1. As per **Dr.A.Govardhan** sir suggestions we prepared course schema/structure for 1st year and 2nd year with 80 Credits (upto 2nd Year).

2. Also as per **Dr.D.V.N.Siva Kumar** suggestion we change the syllabus of **"Applications of Artificial Intelligence"** subject of 2nd Year 1st Semester.

Chairman
BOS-B.Tech-AIML (UG)

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Department of B.Tech-AIML

28th May, 2022

2nd Board of Studies (BoS)-Minutes of the Meeting

The **2nd Board of Studies (BoS)** meeting for **B.Tech-AIML (UG)** is held on **28th May, 2022** at **02:00 P.M.** through **Online** mode to review the Course Schema and Syllabus of **1st and 2nd Year** for **MR21** regulations. The following members are attended to the meeting to discuss the proposed Course Schema, Syllabus for the Academic Year 2021-22 and 2022-23.

Sl. No	Name of the Member	Designation	Position	Mode of Attendance
1	Dr. Deena Babu Mandru	HoD & Professor	Chairman	Offline
2	Dr.A.Govardhan	Professor & Rector, JNTUH, Hyderabad	Member	Online
3	Dr.C.Krishna Mohan	Professor, Dept. of CSE, IIT-Hyderabad	Member	Online
4	Dr.D.V.N.Siva Kumar	Assistant Professor, Dept. of CS&IS, BITS Pilani, Hyderabad	Member	Online
5	Mr.Phani Karnati	Head of AIML, ViHaVe.ai, Hyderabad	Member	Online
6	Mr.E.Srinuvasa Reddy	Associate Professor	Member	Offline
7	Mrs.M.Sandhya Vani	Assistant Professor	Member	Offline
8	Mr. A. Venktrami Reddy	Assistant Professor	Member	Offline
9	Ms.M.Sandhya Priyanka	Assistant Professor	Member	Offline
10	Mr. Vishal Cheruku	Transportation Specialist-I , Amazon Pvt Ltd, Hyderabad	Member	Online

A. Agenda

The Agenda of the meeting is as follows:

1. Action Taken Report (ATR) on previous BoS Meeting for the A.Y:2021-22 held on 06.04.2022.

2. Review on MR21 Regulations for I Year and II Year Course Schema and Syllabus.

3. Any other suggestions by honourable members

At the outset, Dr. Deena Babu Mandru, Chairman of the Board of Studies welcomed the members to the meeting and briefs the agenda of the meeting. Later BoS Members reviewed and discussed each item of the proposed agenda and finally the members are accepted to implement from the Academic Year 2021-22 and onwards.

B. Approved Resolutions

The following resolutions are approved after careful discussion and observations

1. The BoS Members have thoroughly reviewed and approved the I Year and II Year Course Schema and Syllabus for MR21 Regulations

2. The following courses are introduced in II Year (A.Y:2022-23)

   1. **B7301-Artificial Intelligence-I**
   2. **B7302-Artificial Intelligence-I Lab**
   3. **B7303-Fundamentals of Machine Learning**
   4. **B7306-Fundamentals of Machine Learning Lab**

3. The following courses are introduced as Professional Elective-I in the II Year (A.Y:2022-23)

   B7304-Data Visualization

   B7305-Data Science and Engineering

4. All resolutions are made as per AICTE, UGC and JNTUH, Hyderabad. guidelines

C. Suggestions/ Corrections

The following suggestions/Corrections are suggested by BoS Members

1. **Dr.A.Govardhan** suggested that encourage students to register **MOOCs** like NPTEL, CISCO and encourage students to complete **Short Term Courses/** Internships on AI, ML, Python..etc.
2. **Dr.A.Govardhan** suggested that prepare the syllabus for I year and II Year to reach the diploma students.
3. **Dr.C.Krishna Mohan** suggested that rename **"Introduction to Machine Learning"** to **"Fundamentals of Machine Learning"**.
4. **Dr.D.V.N.Siva Kumar** suggested that include **"Evaluation Metrics"** concept in Fundamentals of Machine Learning subject 1st Module.

D. Approved Resolutions

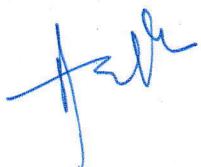The BoS Members have thoroughly discussed and approved

1. I Year and II Year Course Schema and Syllabus for MR21 regulations as per the guidelines of the AICTE, UGC and JNTUH, Hyderabad.

Finally, the Chairman of BoS expressed his sincere thanks to all the members for their active participation and suggestions. The meeting was concluded at 02:40 PM.

Chairman

BOS-B.Tech-AIML (UG)

R. Burga Devi

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Department of B.Tech-AIML

Course Structure

(MR21 Regulations-Effective from A.Y: 2021–22 Onwards)

S. No	Category	Course Code	Name of the Subject	Contact Hours/Week			Credits
				L	**T**	**P**	
1.	BSC	B0B01	Linear Algebra and Numerical Methods	3	1	-	4
2.	BSC	B0B17	Engineering Chemistry	3	1	-	4
3.	ESC	B0501	Programming for Problem Solving	3	-	-	3
4.	ESC	B0301	Engineering Graphics	2	-	2	3
5.	BSC	B0B09	Semiconductor Physics	3	1	-	4
6.	ESC	B0502	Programming for Problem Solving Lab	-	1	2	1.5
7.	BSC	B0B11	Applied Physics Lab	-	-	2	1
8.	BSC	B0B18	Engineering Chemistry Lab	-	-	2	1
Total				**15**	**4**	**8**	**21.5**
Total Contact Hours				**27**			

I Year I Semester

S. No	Category	Course Code	Name of the Subject	Contact Hours/Week			Credits
				L	**T**	**P**	
1.	HSMC	B0H01	English	3	-	-	3
2.	ESC	B0201	Basic Electrical and Electronics Engineering	3	-	-	3
3.	BSC	B0B02	Probability and Statistics	3	-	-	3
4.	ESC	B0504	Python Programming	3	1	-	4
5.	ESC	B0506	Python Programming Lab	-	1	2	2
6.	HSMC	B0H02	English Language and Communication Skills Lab	-	-	3	1
7.	ESC	B0202	Basic Electrical and Electronics Engineering Lab	-	-	2	1
8.	ESC	B1201	Engineering and IT Workshop	-	-	2	1.5
Total				**12**	**2**	**9**	**18.5**
Total Contact Hours				**23**			

I Year II Semester

II Year I Semester

S. No	Category	Course Code	Name of the Course	Teaching Hours/Week			Credits
				L	T	P	
1	PCC	B0507	Discrete Mathematics	3	-	-	3
2	PCC	B0508	Computer Organization and Architecture	3	-	-	3
3	PCC	B0509	Data Structures	3	-	-	3
4	PCC	B7301	Artificial Intelligence-I	3	-	-	3
5	PCC	B0510	Object Oriented Programming	3	-	-	3
6	PCC	B0512	Data Structures Lab	-	-	3	1.5
7	PCC	B7302	Artificial Intelligence-I Lab	-	-	3	1.5
8	PCC	B0513	Object Oriented Programming Lab	-	1	2	2
9	MC	B00M1	Gender Sensitization	-	-	2	-
10	AC	B00A2	Internship–I	-	-	-	-
11	AC	B00A4	NPTEL-I	-	-	2	-
Total				15	1	12	**20**
Total Contact Hours				28			

II Year II Semester

S. No	Category	Course Code	Name of the Course	Teaching Hours/Week			Credits
				L	T	P	
1	BSC	B0B07	Applied Statistics and Optimization Techniques	3	-	-	3
2	PCC	B0511	Operating Systems	3	-	-	3
3	PCC	B7303	Introduction to Machine Learning	3	-	-	3
4	PCC	B0516	Design & Analysis of Algorithms	3	-	-	3
		Professional Elective–I					
5	PEC-I	B1203	Computer Graphics	3	-	-	3
		B1206	Android Application Development				
		B1204	Web Technologies				
		B7304	Data Visualization				
		B7305	Data Science and Engineering				
6	PCC	B0514	Operating Systems Lab	-	1	2	2
7	PCC	B7306	Introduction to Machine Learning Lab	-	-	3	1.5
8	PCC	B0521	Design & Analysis of Algorithms Lab	-	-	3	1.5
9	MC	B00M2	Environmental Science	2	-	-	-
10	AC	B00A5	NPTEL-II	-	-	2	-
11	AC	B00A6	Co-Curricular Activity-I	-	-	1	-
			Total	17	1	11	**20**
			Total Contact Hours	29			