



## **1.2.1 New Courses Introduced Department of CSE-AI&ML**

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#### Department of Computer Science and Engineering, GMRIT| AI&ML-Curriculum | Regulation 2021

#### Department of CSE-AI&ML AR21 Curriculum 2<sup>rd</sup> Year

No	Course Code	Course Name	POs	L	Т	Р	С
Th	ird Semester		·		•		
1	21MA304	Probability and Statistics using Python	1,4, 12	3	-	2	4
2	21ML302	Artificial Intelligence	1,2,3	3	-	-	3
3	21CS303	Data Structures	1,2,12	3	-	-	3
4	21CS304	Digital Logic Design	1, 4	3	-	2	4
5	21DS305	Mathematical Foundation for Computer Science and Data Science	1,12,PS01	3	-	-	3
6	21CS306	Object Oriented Programming with JAVA	1,2,3	3	-	-	3
7	21CS307	Data Structures Lab	2,3,4,5	-	-	3	1.5
8	21CS308	JAVA Lab	2,3,4,5	-	-	3	1.5
9	21BEA01	Environmental Studies	1,7	-	-	-	-
10	21ESX01	Employability Skills I	1,2,5,8,10, 12	0	-	2	-
11	21HSX11	CC & EC Activities I	6,7, 9,10	-	-	1	-
			Total	18	-	13	23
Fo	urth Semester						
1	21IT304	Database Management Systems	1,4,12	3	-		3
2	21IT403	Operating Systems	1,12	3	-	-	3
3	21CS403	<b>Computer Organization and Architecture</b>	1,12	3	-		3
4	21CS404	0,00	2,3	3	-	2	4
5	21ML405	Foundations of Machine learning	2, 3, PSO1, PSO2	3	-	-	3
6	21IT308	Database Management Systems Lab	4	-	-	3	1.5
7	21ML407	Foundations of Machine learning Lab	<mark>4,5,8</mark>	-	-	3	1.5
8	21ESX01	Employability Skills I	1,2,5,8,10, 12	0	-	2	2
9	21HSX11	CC & EC Activities I	6,7, 9,10	-	-	1	1
			Total	15	-	11	22

Comment [s1]: 1st BOS of CSE-AI&ML dated 20-06-2022

Comment [s2]: 1st BOS of CSE-AI&ML dated 20-06-2022

Comment [s3]: 1st BOS of CSE-AI&ML dated 20-06-2022

Comment [s4]: 1st BOS of CSE-AI&ML dated 20-06-2022

Comment [s5]: 1st BOS of CSE-AI&ML dated 20-06-2022

Comment [s6]: 1st BOS of CSE-AI&ML dated 20-06-2022

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Comment [s8]: 1st BOS of CSE-AI&ML dated 20-06-2022

Comment [s9]: 1st BOS of CSE-AI&ML dated 20-06-2022

Comment [s10]: 1st BOS of CSE-AI&ML dated 20-06-2022

Comment [s11]: 1st BOS of CSE-AI&ML dated 20-06-2022

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Comment [s15]: 1st BOS of CSE-AI&ML dated 20-06-2022

**Comment [s16]:** 1st BOS of CSE-AI&ML dated 20-06-2022

**Comment [s17]:** 1st BOS of CSE-AI&ML dated 20-06-2022

Comment [s18]: 1st BOS of CSE-AI&ML dated 20-06-2022

**Comment [s19]:** 1st BOS of CSE-AI&ML dated 20-06-2022

**Comment [s20]:** 1st BOS of CSE-AI&ML dated 20-06-2022

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# Department of Computer Science & Engineering Specialization in CSE- Artificial Intelligence & Machine Learning (CSE- AIML)

# **1st BOS - MINUTES OF MEET**

### Person in Chair: Dr A Venkata Ramana, HoD CSE, GMRIT

### Dated: 20.06.2022 (Monday)

Venue: Online Teams

Time(s): 03.00 PM TO 4.30 PM

S.No	Points Discussed	Remarks
1	Agenda:       >         >       Review of the Curriculum and Course Titles of AR21 Academic Regulation.         >       Review of Titles and Syllabus of 3rd and 4th Semester Curriculum under AR2.         >       Finalization of Course Titles of Electives under Academic Regulations 2021.         >       Review of B.Tech Honors & Minors.         >       Any Other Item         •       Preamble and the context is set for the 1st BOS Meeting by the Principal Dr CLVRSV Prasad requesting the	
2	<ul> <li>Academia/ Alumni and Industry to suggest in designing the best, distinct-industry driven curriculum for the specialization course CSE-AIML.</li> <li>HOD CSE welcomed all the Experts of Academia / Industry and Alumni for todays 1<sup>st</sup>-BOS Meet by throwing some glimpse on the AR21 Course Structure, Career Paths and 3<sup>rd</sup> &amp; 4<sup>th</sup> Sem Syllabus.</li> </ul>	
	<ul> <li>a) External BOS Members suggested to have syllabus only upto 2<sup>nd</sup> Year in advance for BOS meetings, as these specializations are emerging trends and need revision on timely basis.</li> <li>b) Suggested to add the concern POs and PSOs applicable for the core courses of the stream.</li> <li>c) Suggested to have No Subjects in 8<sup>th</sup> Semester as per JNTUK Norms.</li> <li>d) Suggested to have Seminar/ Project/ Internship in the 8<sup>th</sup> Semester</li> <li>e) Suggested not to have any courses under MOOCs, except from Swayam/ NPTEL Platform, not exceeding more than 6 Credits.</li> <li>f) Suggested to add a mandate course in the Curriculum, i.e., Universal Human Values II- 3 Credit Course. (</li> </ul>	

3	III rd Semester Subjects:	
	a) Foundations of AI & ML:	Syllabus is Good an
	Revise the Subject Name from Foundations of AI & ML to Fundamentals of AI & ML. b) Statistical Analysis using Python	Fine.
	b) Statistical Analysis using Python	
	c) Data Structures	
	d) Digital Logic Design	
	e) Object Oriented through Java	
	Mathematical Foundation for Computer Science:	
	towards linear algebra, matrix theory and Calculus former algebra.	Suggested for a revision.
4	IVth Semester Subjects:	Tevision.
	a) Data Visualization for Machine Learning	Need Revision
	Suggested to add 3D Surface Visualization Concerts	recurrection in
	b) Data Visualization for Machine Learning Lab	
	• Suggested to add two or three experiments related to 2D c	
	<ul> <li>Suggested to add two or three experiments related to 3D Surfaces in Lab Component.</li> <li>Suggested to use PEP tool for Python</li> </ul>	
	Suggested to work on the Guidelines provided by the Laboration of the State of	
	<ul> <li>Suggested to add programs for Code Correction and Collision of Code Correction</li> </ul>	
	Source.	
	Wth Semester Subjects:	
	Database Management Systems	Syllabus is Good and
	Operating Systems	Fine.
	Computer Architecture and Organization	
	<ul> <li>Design and Analysis of Algorithms</li> </ul>	
-	other items Discussed:	
	<ul> <li>a) Observed 30% of Changes from CSE Curriculum w.r.t CSE-AIML Curriculum</li> <li>b) External BOS Members informed to a dddd and a dddd and a dddd and a dddd and a dddd a ddd a dddd a ddd a ddd a dddd a ddd a dd a ddd a dd a dd</li></ul>	
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	<ul> <li>b) External BOS Members informed to add Math and Statistical Components as much as possible.</li> <li>c) Thoroughly check the Credit Balancing Component as suggested by AICTE(in LTPC structure).</li> <li>d) Credit is completely based on Weekly Contact Hours. Tutarials.</li> </ul>	
	<ul> <li>d) Credit is completely based on Weekly Contact Hours. Tutorials also should carry credit, if included in the Course Structure.</li> </ul>	
	Course Structure.	
	e) Display of all the career path courses as people de la la la	
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Dr.V.Prasad

Board Chairman-HOD-CSE