

1.1.3 Employability/ Entrepreneurship/soft skill courses offered

Department of CSE-AI&DS

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Department of CSE-AI&DS
AR21 Curriculum
2nd Year

Third 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
Fourth Semester							
1	21IT304	Database Management Systems	1,4,12	3	-	-	3
2	21IT403	Operating Systems	1,12	3	-	-	3
3	21CS403	Computer Organization and Architecture	1,12	3	-	-	3
4	21CS404	Design and Analysis of Algorithms	2,3	3	-	2	4
5	21DS405	Foundations of Data Science	2, 3, PS01, PS02	3	-	-	3
6	21IT308	Database Management Systems Lab	4	-	-	3	1.5
7	21DS407	Foundations of Data Science Lab	4,5,8	-	-	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&DS dated 20-06-2022

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

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

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

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

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

Comment [s7]: 1st BOS of CSE-AI&DS dated 20-06-2022

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

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

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Comment [s14]: 1st BOS of CSE-AI&DS dated 20-06-2022

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

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

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

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

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

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

GMR Institute of Technology

An Autonomous Institute Affiliated to JNTUK, Kakinada



Department of Computer Science & Engineering
Specialization in CSE- Artificial Intelligence & Data Science (CSE- AIDS)

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: <ul style="list-style-type: none">➤ 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	
	<ul style="list-style-type: none">• Preamble and the context is set for the 1st BOS Meeting by the Principal Dr CLVRSV Prasad requesting the Academia/ Alumni and Industry to suggest in designing the best, distinct-industry driven curriculum for the specialization course CSE-AIDS.• HOD CSE welcomed all the Experts of Academia / Industry and Alumni for today's 1st-BOS Meet by throwing some glimpse on the AR21 Course Structure, Career Paths and 3rd and 4th Sem Syllabus.	
2	AIDS Curriculum: <ul style="list-style-type: none">a) External BOS Members suggested to have syllabus revision only for the upcoming year (upto 2nd Year now) in advance for BOS meetings, as these specializations are emerging trends and need revision on timely basis.b) Suggested to add the concern POs and PSOs applicable for the core courses of the stream.	

	c) Suggested to have No Subjects in 8 th Semester as per JNTUK Norms. d) Suggested to have Seminar/ Project/ Internship in the 8 th Semester e) Suggested not to have any courses under MOOCs, except from Swayam/ NPTEL Platform, not exceeding more than 6 Credits. f) Suggested to add a mandate course in the Curriculum, i.e., Universal Human Values II- 3 Credit Course.(Reference Link is Given)	
3	IIIrd Semester Subjects: <ul style="list-style-type: none"> a) Fundamentals of Artificial Intelligence b) Statistical Analysis using Python c) Data Structures d) Digital Logic Design e) Object Oriented through Java 	Syllabus is Good and Fine.
	Mathematical Foundation for Data Science: <ul style="list-style-type: none"> • Needed thorough changes, syllabus seems to look like discrete mathematics. The syllabus should show focus more on distribution components- Normal Distribution and Poisons Distribution. 	Suggested for a revision.
4	IVth Semester Subjects: <ul style="list-style-type: none"> • Database Management Systems • Operating Systems • Computer Architecture and Organization • Design and Analysis of Algorithms 	Syllabus is Good and Fine.
	Foundation of Data Science: <ul style="list-style-type: none"> • Needed thorough changes. • Focus more on statistical component needed for Data Science. • Suggested to add, worlds famous algorithm for data science Grade Boosting Algorithm. 	Suggested for a revision.
5	Other Items Discussed: <ul style="list-style-type: none"> a) Observed 30% of Changes from CSE Curriculum w.r.t CSE-AIDS Curriculum b) External BOS Members informed to add Statistical Components as much as possible. c) Thoroughly check the Credit Balancing Component as suggested by AICTE (in LTTC structure). 	

