S.T. Semester-IV/ B.Tech.Artificial Intelligence and Machine Learning
Choice Based Credit Grading Scheme with Holistic and Multidisciplinary Education - (CBCGS-HME 2020)
TCET Autonomy Scheme (w.e.f. A.Y. 2021-22)
Batch: (2021-2025)

Course Description			Teaching Scheme (Program Specific)					Examination Scheme (Academic)					
			Mode of Teaching /Learning/Weightage					Modes of Continuous Assessment/Evaluation					
			Hours Per Week				Credits	Theory (100/50)			Practical/ Oral/Presentation (25)	Term Work (25)	Total
Sr. No.	Course Code	Course Title						40/20		60/30			
			Theory	Tutorial	Practical	Contact Hours		IA		ESE	PR/OR	TW	
								ISE	IE	IE			
1	BSC-AIML401	Statistical Decision Making	3	1	-	4	4	20	20	60	-	25	125
2	PCC–AIML401	Data Structure and Analysis of Algorithms	3	-	2	5	4	20	20	60	25	25	150
3	PCC -AIML402	Basics of Artificial Intelligence	3	-	2	5	4	20	20	60	25	25	150
4	PCC -AIML403	Data Mining and Business Visualization	3	-	2	5	4	20	20	60	25	25	150
5	PCC -AIML404	Programming Skills-II(Python)	3	-	2	5	4	20	20	60	25	25	150
		Total	15	01	08	24	20	Total Marks (Academic)					725

Course Description			Non-Credited Mandatory Course (Passing is mandatory for this course)									Term Work	
1	MC -AIML401	Value Education	1	-	-	1	(Non-Credit)	-					25	25

Course Description			Contact Hrs. during Weekend / Semester Break/ End of Semester (Between 21st and 25th Week)									Non-Grant Term Work based on the Presentation and Report	
1	SI-AIML401	Summer Internship	-	-	-	160*	4	-					50	50

Course Description			Contact Hrs. during Weekend / Semester Break/ End of Semester (Between 21st and 25th Week)/During Semester										
1	AP-AIML401	Activity Points	-	-	-	52@	-	-					-	-

Course Description			Teaching scheme (Holistic and Multidisciplinary Education -HME) (Conducted in the beginning of Semester during first 3 Weeks)					Assessment/Evaluation Scheme					
								Presentation			Report		Term Work
								AC			AC		
	ESD-AIML401	Employability Skill Development-II	-	-	30	30	1	Based on Parameters Decided by Training and Placement Cell					50
	HME–AIMLPS401	Professional Skills IV (Artificial Intelligence Tools)	15	-	30	45	2	50			25		75
	HME–AIMLPBL401	Project Based Learning II	-	-	30	30	1	25			-		25
	HME–AIMLABL401	Activity Based Learning IV (Co-curricular OR Extra-curricular)	-	-	30	30	1	25			25		50
		Total	15	-	120	135	5	Total marks (HME)					200
		Total					29	Grand Total marks:					1000

1. IA-In-Semester Assessment, ESE-End Semester Examination, ISE- In-Semester Examination, IE Innovative Examination PR- Practical Examination, TW – Term Work Examination, OR – Oral Examination, AC-Activity Evaluation.

Under IA - 20 marks ISE to be conducted for 1 hour and 10 marks ISE to be conducted for 45 minutes, 20/10 marks for IE . 60 marks ESE will be conducted for 2 hours and 30 marks ESE will be conducted for 1 hour.Out of 3 IA, best 2 will be considered.

* Students may go up to 160 hrs. to acquire maximum 4 credits. Students should collectively acquire total contact 160 hrs in below given activities in a span of 1 year
  (3rd and 4 th Semester). Student will submit a report to earn Term work marks in internship at the end of 4th Semester.

 Following Activities should be considered for Summer Internship: -

1)   Participation in inhouse internship at the end of 3rd and 4th semester of 2 week each.

2)Other Activity which also will be considered are: Participation in Hackathon, Development of new Product/ Business Plan / Registration of start-up, Participation in IPR workshop/Leadership talks/Idea/ Design / Innovation/Technical Expos, Internship with Industry / Govt. / NGO/ PSU/MSME/Online Internship, Long Term Goals under Rural Internship.

Note:- For Above Activities mentioned in point 2, if Student is part of Organizing Committee or Participating a Competition at University/State/National/international Level then it will be considered as Internship else it will be considered as Activity Points.

@ As per AICTE, Students has to earn 100 Points by participating in 400 Hrs. of activities during 4 years of Engineering. After Completing 52 hrs. of Activities, Students can earn 12 Points. These Points will not be reflected in Grade Card. Separate transcript will be issued to students after completion of Final Year.