

Scheme of Instruction & Scheme of Examination
(Subjected to the approval of Osmania University, Hyderabad)

**Bachelor of Engineering (IT) with Honours Degree in
Artificial Intelligence & Machine Learning**

Applicable for the students to be admitted in A.Y. 2020-21 (R-20)



**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS) HYDERABAD
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION (R-20)
 (Subjected to the approval of Osmania University, Hyderabad)

B.E (IT) Honours Degree in Artificial Intelligence & Machine Learning (2020-21)

S. No.	Name of the Course	Sem	Scheme of Instruction			Scheme of Examination			
			Hours per Week			Duration in Hrs	Maximum Marks		Credits
			L	T	P		SEE	CIE	
THEORY cum PRACTICALS									
1.	Introduction to Statistical Learning Using R	V	2	-	-	3	60	40	2
2.	Introduction to Statistical Learning Using R Lab	V	-	-	2	3	50	30	1
3.	Introduction to Autonomous Systems (UAV's , Drones, Robotics)	VI	2	-	-	3	60	40	2
4.	Introduction to Autonomous Systems Lab (UAV's , Drones, Robotics)	VI	-	-	2	3	50	30	1
5.	Deep Learning	VII	3	-	-	3	60	40	3
6.	Deep Learning Lab	VII	-	-	2	3	50	30	1
TOTAL			7	-	6	-	330	210	10
GRAND TOTAL			13				540		
MOOCs Course (AIML related): 8 or 12 weeks durations – (2 & 3 credits)		V, VI VII, VIII	Linear Algebra [12 Week – MOOCs Course – 3 Credits] https://nptel.ac.in/courses/111/106/111106051/ Data Analytics with Python [12 Week – MOOCs Course – 3 Credits] https://swayam.gov.in/nd1_noc20_cs46/preview						6
Minor Project		VI, VII							3
Total Credits									19

Semester Wise Credit Distribution	
Semester	Joining Academic Year
	2020-21
1	20
2	21
3	19
4	24
5	22+3
6	21+3
7	21+4
8	12
Online Certification Course [3-7 Sem] as in Regular Scheme	2
MOOC [5-8 Sem]	6
Course Project [7- 8 Sem]	3
Total Credits	162 + 19 = 181