

**B. Tech. (Computer Science and Engineering- Artificial Intelligence & Machine Learning)  
Scheme of Studies/Examination w.e.f. 2023-24**

**Semester - V**

S.No.	Category	Course Code	Course Title	Hours Per week			Total Contact Hrs. per week	Credits	Examination Schedule (Marks)			
				L	T	P			Marks of classwork	Theory	Practical	Total
1.	ESC		Predictive Analytics	3	0	0	3	3	30	70		100
2.	PCC		Formal Languages & Automata	3	0	0	3	3	30	70		100
3.	PCC		Big Data Analytics	3	0	0	3	3	30	70		100
4.	PCC		Machine Learning and its Applications	3	0	0	3	3	30	70		100
5.	PEC		Professional Elective Course - I	3	0	0	3	3	30	70		100
6.	OEC		Open Elective Course - I	3	0	0	3	3	30	70		100
7.	LC		Predictive Analytics Lab	0	0	2	2	1	50		50	100
8.	LC		Big Data & Analytics Lab	0	0	2	2	1	50		50	100
9.	LC		Machine Learning Lab	0	0	2	2	1	50		50	100
10.	HSMC*		Economics for Engineers	3	0	0	3	0	30	70		100*
11.	PT		Practical Training - I	0	0	2	2	1	50		50	100
			<b>Total</b>	<b>23</b>	<b>0</b>	<b>8</b>	<b>29</b>	<b>22</b>	<b>380</b>	<b>420</b>	<b>200</b>	<b>1000</b>

**NOTE:**

- \*The examination of the regular students will be conducted by the concerned college/Institute internally. Each student will be required to score a minimum of 40% marks to qualify in the paper. The marks will not be included in determining the percentage of marks obtained for the award of a degree. However, these marks will be shown in the detailed marks certificate of the students.
- The evaluation of Practical Training – I will be based on the seminar, viva-voice, and report submitted by the students.
- Choose any one from Professional Elective Course – I
- Choose any one from Open Elective Course – I

**Professional Elective Course – I**

- Software Engineering
- Web Technology
- Digital Image Processing
- Advance JAVA Programming
- Distributed System

**B.Tech. (Computer Science and Engineering- Artificial Intelligence & Machine Learning)**  
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**Semester - VI**

S.N.	Category	Course Code	Course Title	Hours Per week			Total Contact Hrs. per week	Credits	Examination Schedule (Marks)			
				L	T	P			Marks of classwork	Theory	Practical	Total
1.	PCC		Compiler Design	3	0	0	3	3	30	70		100
2.	PCC		Statistical Computing	3	0	0	3	3	30	70		100
3.	PCC		Deep Learning	3	0	0	3	3	30	70		100
4.	PEC		Professional Elective Course - II	3	0	0	3	3	30	70		100
5.	PEC		Professional Elective Course - III	3	0	0	3	3	30	70		100
6.	OEC		Open Elective Course - II	3	0	0	3	3	30	70		100
7.	LC		Deep Learning Lab	0	0	2	2	1	50		50	100
8.	LC		Statistical Computing Lab	0	0	2	2	1	50		50	100
9.	PROJECT		Project - I	0	0	4	4	2	50		50	100
			<b>Total</b>	<b>18</b>	<b>0</b>	<b>8</b>	<b>26</b>	<b>22</b>	<b>330</b>	<b>420</b>	<b>150</b>	<b>900</b>

**NOTE:**

- At the end of the 6th semester, each student has to undergo Practical Training of 4/6 weeks in an Industry/ Institute/ Professional Organization/ Research Laboratory/ training center etc. and submit the typed report along with a certificate from the organization & its evaluation shall be carried out in the 7th Semester.
- Choose any one from Professional Elective Course – II & III
- Choose any one from Open Elective Course – II

**Professional Elective Course – II**

- Software Testing
- Computer Graphics
- Information Retrieval
- Soft Computing
- Internet of Things

**Professional Elective Course – III**

- Network Security and Cryptography
- Internet Technologies
- Mobile applications development
- Advance Database Management System
- Cloud Computing