

Punyashlok Ahilyadevi Holkar Solapur University, Solapur



Name of the Faculty: Science & Technology

CHOICE BASED CREDIT SYSTEM

Structure

**Name of the Course: B.Tech (Computer Science & Engineering)
with Hons.**

(Syllabus to be implemented from w.e.f. June 2021)



Punyashlok Ahilyadevi Holkar Solapur University, Solapur
B.Tech (Computer Science & Engineering) with Hons.

Proposed Syllabus for Honors Degree – Artificial Intelligence and Machine Learning

Course Code	Year&Sem	CourseName	Hrs./week			Credits	Examination Scheme			
			L	T	P		ISE	ESE	ICA	Total
Hn411	B.Tech. SemIV	Machine Learning	3	1		4	30	70	25	125
Hn512	B.Tech. Sem V	Reinforcement Learning	3		2	4	30	70	25	125
Hn513	B.Tech. Sem V	Seminar			2*	1			25	25
Hn614	B.Tech. Sem VI	Natural Language Processing	3		2	4	30	70	25	125
Hn715	B.Tech. Sem VII	Mini Project			4*	2		50	50	100
Hn716	B.Tech. Sem VII	Deep Learning	3		2	4	30	70	25	125
		SubTotal	13	1	12	19	120	330	175	625

*indicates contact hours



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Proposed Syllabus for Honors Degree–Data Science

Course Code	Semester	Course Name	Hrs./week			Credits	Examination Scheme			
			L	T	P		ISE	ESE	ICA	Total
Hn421	B.Tech. Sem IV	Mathematics for Data Science	3	1		4	30	70	25	125
Hn522	B.Tech. Sem V	Data Preprocessing & Visualization	3		2	4	30	70	25	125
Hn523	B.Tech. Sem V	Seminar			2*	1			25	25
Hn624	B.Tech. Sem VI	Machine Learning	3		2	4	30	70	25	125
Hn725	B.Tech. Sem VII	Mini Project			4*	2		50	50	100
Hn726	B.Tech. Sem VII	Predictive Analytics	3		2	4	30	70	25	125
		Sub Total	13	1	12	19	120	330	175	625

*indicates contact hours



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B.Tech (Computer Science & Engineering) with Hons.
Proposed Syllabus for Honors Degree–Cyber Security

<i>Course Code</i>	<i>Semester</i>	<i>Course Name</i>	<i>Hrs./week</i>			<i>Credits</i>	<i>Examination Scheme</i>			
			<i>L</i>	<i>T</i>	<i>P</i>		<i>ISE</i>	<i>ESE</i>	<i>ICA</i>	<i>Total</i>
Hn431	B.Tech. Sem IV	Cryptography	3	1		4	30	70	25	125
Hn532	B.Tech. Sem V	Network Security and Secure Coding	3		2	4	30	70	25	125
Hn533	B.Tech. Sem V	Seminar			2*	1			25	25
Hn634	B.Tech. Sem VI	Cyber forensic	3		2	4	30	70	25	125
Hn735	B.Tech. Sem VII	Mini Project			4*	2		50	50	100
Hn736	B.Tech. Sem VII	Information Auditing and Monitoring	3		2	4	30	70	25	125
		Total	13	1	12	19	120	330	175	625

* indicates contact hours