



B.Sc. (Honors) Computer Science

As per NEP - 2020

4 Years program equivalent to
B.Tech. (CSE)

ધો.-12 સાયન્સ ગ્રુપ-Bમાં 70+PR
મેળવનાર વિદ્યાર્થીઓને
કોમ્પ્યુટર એન્જનીયરીંગને
સમકક્ષ કોર્સમાં એડમિશન મેળવીને
IT ફીલ્ડમાં સોફ્ટવેર એન્જનીયર
તરીકે કેરિયર બનાવવાની
ગોલ્ડન ઓપોર્ચુનિટી

RECESSION **PROOF**



योग: કર્મસુ કોશલમ્

Darshan
UNIVERSITY



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Syllabus Comparison: B.Tech. (CSE) v/s B.Sc. (Honors) CS

Semester	Subject Name	B.Tech. (CSE)	B.Sc. (Honors) CS
1	Mathematics - I	✓	✗
1	Basic Mathematics - I	✗	✓
1	Computer Programming using C	✓	✓
1	Web Designing (HTML / CSS / Bootstrap)	✓	✓
1	Digital Fundamentals	✓	✓
1	Environmental Studies	✓	✓
1	Indian Constitution	✓	✓
1	Induction Program	✓	✓
2	Mathematics - II	✓	✗
2	Basic Mathematics - II	✗	✓
2	English (Foundational / Advanced)	✓	✓
2	Object Oriented Programming using Java	✓	✓
2	Data Structure & Algorithm - I	✓	✓
2	T-SQL Querying using MS SQL Server	✓	✓
3	Front-End Web Technology (Java Script / ES6 / React)	✓	✓
3	Probability & Statistics	✓	✓
3	Database Management System	✓	✓
3	Data Structure & Algorithm - II	✓	✓
3	Python for Data Science	✓	✓
4	Office Automation Tools	✓	✓
4	Indian Knowledge System	✓	✓
4	Discrete Mathematics	✓	✓
4	Data Structure & Algorithm - III	✓	✓
4	Back-End Web Technology	✓	✓
4	Machine Learning	✓	✓
5	Professional Communication - I	✓	✓
5	Software Engineering	✓	✓
5	Computer Network	✓	✓
5	Open Elective - I (Operation Research / Banking Financial Services / Graph Theory)	✓	✓
5	Professional Elective - I (ASP .Net / Flutter / Adv. Front End Tech.)	✓	✓
5	Professional Elective - II (Machine Learning / Info. & Network Sec. / UIUX)	✓	✓
6	Operating System	✓	✓
6	Professional Elective - III (Adv .NET / Adv. Flutter / Deep Learning)	✓	✓
6	Professional Elective - IV (DevOps / MCWC / Unity)	✓	✓
6	Open Elective - II (Fundamental of Accounting / Internet of Things)	✓	✓
6	Professional Communication - II	✓	✓
6	Career Orientation	✓	✓
7	Automata Theory & Compiler Construction	✓	✓
7	Life Management & Human Values	✓	✓
7	Professional Elective - V (Big Data Analytics / Distributed Operating System)	✓	✓
7	Professional Elective - VI (Computer System Architecture / Block Chain)	✓	✓
7	Professional Elective - VII (Data Mining / Cyber Security)	✓	✓
8	Capstone Project	✓	✓

41માંથી ફક્ત 2 વિષયો જ અલગ છે, તે પણ Maths - I & Maths - II.

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