

**FACULTY OF ENGINEERING & TECHNOLOGY**  
**INSTITUTE OF COMPUTER TECHNOLOGY**  
**BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL**  
**INTELLIGENCE AND MACHINE LEARNING) (B.TECH-CSE(AI & ML))**  
**Syllabus Details**

**Effective Year 2025-2026**

<b>Program</b>	: B.TECH-CSE(AI & ML)	<b>Semester</b>	: 1
<b>Total Course</b>	: 7	<b>Total Regular Course</b>	: 5
<b>Total Elective Course</b>	: 1	<b>Total Open Course</b>	: 0
<b>Total Audit Course</b>	: 1		

#	CourseCode	Course Title	Teaching Scheme				Examination Scheme				
			CREDIT			TOTAL HOURS	TH		PR		TOTAL
			TH	PR/TW	TOTAL		Internal	External	Internal	External	
1	2HS101	CALCULUS	4.00	0.00	4.00	4.00	0/40	0/60	-	-	100
2	2CSE101	INTERNET PROGRAMMING	3.00	2.00	5.00	7.00	0/40	0/60	0/60	0/40	200
3	2CSE102	ESSENTIALS OF SOFTWARE FOUNDATION & PROGRAMMING - I	3.00	2.00	5.00	7.00	0/40	0/60	0/60	0/40	200
4	2CSE103	DIGITAL ELECTRONICS	3.00	1.00	4.00	5.00	0/40	0/60	0/30	0/20	150
5	2CSE105	BASIC ELECTRONICS WORKSHOP	0.00	2.00	2.00	4.00	-	-	0/60	0/40	100
6		AUDIT SUBJECT - 1	0.00	0.00	0.00	2.00	-	-	-	-	0
7		ELECTIVE SUBJECT - 1 (UHV_Elective-I)	2.00	0.00	2.00	2.00	0/100	-	-	-	100
			<b>15.00</b>	<b>7.00</b>	<b>22.00</b>	<b>31.00</b>					<b>850</b>

**List of Elective Subjects**

Group Name	Course Code	Name of Course
UHV_ELECTIVE-I	UHV1IPDC1	UNIVERSAL HUMAN VALUE (INTEGRATED PERSONALITY DEVELOPMENT COURSE-1)
	UHV3DYSBG1	UNIVERSAL HUMAN VALUE (DISCOVER YOURSELF THROUGH BHAGAVAD GITA-1)

**List of Audit Subjects**

Group Name	Course Code	Name of Course
AUDIT	2OS101	CAREER DEVELOPMENT PROGRAM - I

**Examination Grade Range & Value**

Marks/Perc. Range	Grade (Regular)	Grade Point (Regular)	Grade (Remedial)	Grade Point (Remedial)
90>=	A+	10	A	9
80 To 89	A	9	B+	8
70 To 79	B+	8	B	7
60 To 69	B	7	C+	6
50 To 59	C+	6	C	5
40 To 49	C	5	C	5
<40	F	0	F	0

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**Syllabus Details**

**Effective Year 2025-2026**

<b>Program</b>	: B.TECH-CSE(BDA)	<b>Semester</b>	: II
<b>Total Course</b>	: 8	<b>Total Regular Course</b>	: 5
<b>Total Elective Course</b>	: 2	<b>Total Open Course</b>	: 0
<b>Total Audit Course</b>	: 1		

#	CourseCode	Course Title	Teaching Scheme				Examination Scheme				
			CREDIT			TOTAL HOURS	TH		PR		TOTAL
			TH	PR/TW	TOTAL		Internal	External	Internal	External	
1	2HS102	LINEAR ALGEBRA	4.00	0.00	4.00	4.00	0/40	0/60	-	-	100
2	2CSE202	BASICS OF COMMUNICATION SYSTEM	3.00	1.00	4.00	5.00	0/40	0/60	0/30	0/20	150
3	2CSE203	ESSENTIALS OF SOFTWARE FOUNDATION & PROGRAMMING - II	3.00	2.00	5.00	7.00	0/40	0/60	0/60	0/40	200
4	2CSE204	BASICS OF OPERATING SYSTEM AND SCRIPTING	0.00	2.00	2.00	4.00	-	-	0/60	0/40	100
5	2CSE205	COMPUTER ORGANIZATION	3.00	1.00	4.00	5.00	0/40	0/60	0/30	0/20	150
6		ELECTIVE SUBJECT - 1 (UHV_Elective-I)	2.00	0.00	2.00	2.00	0/100	-	-	-	100
7		AUDIT SUBJECT - 1	0.00	0.00	0.00	2.00	-	-	-	-	0
			<b>15.00</b>	<b>6.00</b>	<b>21.00</b>	<b>29.00</b>					<b>800</b>

**List of Elective Subjects**

Group Name	Course Code	Name of Course
UHV_ELECTIVE-I	UHV2IPDC2	UNIVERSAL HUMAN VALUE (INTEGRATED PERSONALITY DEVELOPMENT COURSE-2)
	UHV4DYSBG2	UNIVERSAL HUMAN VALUE (DISCOVER YOURSELF THROUGH BHAGAVAD GITA-2)

**List of Audit Subjects**

Group Name	Course Code	Name of Course
AUDIT	OSCSE101	ELECTRONICS WORKSHOP

**Examination Grade Range & Value**

Marks/Perc. Range	Grade (Regular)	Grade Point (Regular)	Grade (Remedial)	Grade Point (Remedial)
90>=	A+	10	A	9
80 To 89	A	9	B+	8
70 To 79	B+	8	B	7
60 To 69	B	7	C+	6
50 To 59	C+	6	C	5
40 To 49	C	5	C	5
<40	F	0	F	0