		B.TECH. ARTIFICIAL INTELLIGENCE AN	ID DAT	A 601	ENCE					lorci c	n: 1.0	
						1221					09.09.	
	Courses of Study and Scheme of Assessment (Regulations 2023) St. Course Periods / Week											
SI. No.	Course Code	Course Title		Pe	riods ,	/ We	eek			Maxii	mum I	1
140.	Code		CAT	СР	L		Т	Р	С	IA	ESE	Total
		SEMES	TER I									
-	-	Induction Programme	-	-	-		-	-	-	-	-	_
	THEORY	Companyainskins Franklish I	ш		-		.	0	<u> </u>	40	60	100
1.		Color to a few few services	HS	2	1		1	0	2	40	60	100
2.		Calculus for Engineers	BS	3	2		1	0	3	40	60	100
3.		Basic and Applied Physics	BS	3	3	_	0	0	3	40	60	100
4.		Engineering Chemistry	BS	3	3	_	0	0	3	40	60	100
5.		Overview of Engineering andTechnology	ES	3	3		0	0	3	40	60	100
6.		தமிழர் மரபு / Heritage of Tamils	MC	1	1		0	0	1	40	60	100
	THEORY CUM PRACTICAL											
7.	BE23GE307	Problem Solving using C Programming	ES	5	3	No.	0	2	4	50	50	100
	PRACTICAL		17-		0							
8.		Physics and Chemistry Laboratory	BS	4	0		0	4	2	60	40	100
9.	BE23GE305	Engineering Practices Laboratory	ES	4	0		0	4	2	60	40	100
	EMPLOYAB	ILITY ENHANCEMENT		ı		1						1
10.	BE23PT801	Human Excellence and Value Education – I	EEC	2	(oi	1	0	1 [NC	100	-	100
		Total		30	17		2	11	23	510	490	1000
		SEMEST	ER II									
	THEORY	SALI	EM									
1.	BE23EN102	Communicative English - II	HS	2	1	1	0	2		40	60	100
2.	BE23MA202	Vector Calculus and Numerical Methods	BS	3	2	1	0	3		40	60	100
3.	BE23GE304	Engineering Graphics and Network Drawings	ESUC	W 5 4	leth	0	4	3		40	60	100
4.	BE23CS401	Digital Principles and Computer Organization	PC	3	3	0	0	3	3 40		60	100
5.	BE23CB403	Design Thinking	PC	3	3	0	0	3		40	60	100
6.	BE23MC902	தமிழரும் தொழில்நுட்பமும் / Tamils and Technology	MC	1	1	0	0	1		40	60	100
7.	BE23MC903	Universal Human Values and Ethics	МС	3	3 2		1 0			40	60	100
	THEORY CU	JM PRACTICAL	•	•					•		•	
8.	BE23GE310	Object Oriented Programming Using C++	ES	5	3	0	2	4		50	50	100
	EMPLOYAB	ILITY ENHANCEMENT										
9.	BE23PT802	Human Excellence and Value Education – II	EEC	2	1	0	1	NO	С_	100	-	100
10.	BE23PT804	Engineering Clinic – I	EEC	2	0	0	2	1		100	-	100
11.	BE23PT806	Aptitude Skills – I	EEC	1	0	0	1	0.	5	100	-	100
	•	Total		30	17	3	10	23.	5	630	470	1100

		KNOWLEDGE INSTITUTE OF TECHNOL	OGY (A	UTON	омои	S), SA	LEM ·	- 63750	4				
		B.TECH. ARTIFICIAL INTEL											
	1	Courses of Study and Scheme of	Assessr				s 202	3)					
SI. No.	Course	Course Title		ods / \	Maximum Marks								
	Code		CAT	СР	L	Т	Р	С	IA	ESE	Total		
		SEMI	ESTER I	II									
	THEORY	In			Τ .	1 .	Τ.	Τ,	- 10		100		
1.	BE23MA203	Discrete Mathematics	BS	3	2	1	0	3	40	60	100		
2.	BE23AD401	Introduction to Artificial Intelligence M PRACTICAL	PC	3	2	1	0	3	40	60	100		
			50	l _			Τ,		F0	T =0	100		
3.	BE23GE309	Python Programming	ES	5	2	1	2	4	50	50	100		
4.	BE23CS404	Data Structures and Algorithms	PC	5	2	1	2	4	50	50	100		
5.	BE23CS405	Database Management Systems	PC	5	2	1	2	4	50	50	100		
6.	BE23CS406	Operating Systems	PC	5	2	1	2	4	50	50	100		
	PRACTICAL												
7.	BE23EN103	Professional Communication Laboratory – I	HS	2	0	0	2	1	100	-	100		
8.	BE23AD402	Artificial Intelligence Laboratory	PC	4	0	0	4	2	60	40	100		
	EMPLOYABILITY ENHANCEMENT												
9.	BE23PT805	Engineering Clinic – II	EEC	2	0	0	2	1	100	-	100		
10.	BE23PT807	Aptitude Skills – II	EEC	1	0	0	1	0.5	100	-	100		
		Total	3	35	12	6	17	26.5	640	360	1000		
		SEMES	TER IV			7							
	THEORY	7 7 9	" Masi		6								
1.	BE23MA206	Mathematics for Business Analytics	BS	3	2	1	0	3	40	60	100		
2.	BE23AD403	Machine Learning	PC	3	2	1	0	3	40	60	100		
3.	BE23CS407	Design and Analysis of Algorithms	PC	3	2	1	0	3	40	60	100		
4.	BE23MC904	Environmental Science and Sustainability	MC	2	1.5	0.5	0	NC	100	-	100		
	THEORY CU	M PRACTICAL	7/	•	1	/				•			
5.	BE23AD404	Foundations of Data Science and W	PC	VH	Uza	900	2	4	50	50	100		
6.	BE23CS315	Java Programming	ES	5	3	0	2	4	50	50	100		
	PRACTICAL			•	•					•			
7.	BE23EN104	Professional Communication Laboratory – II	HS	2	0	0	2	1	100	-	100		
8.	BE23AD405	Machine Learning Laboratory	PC	4	0	0	4	2	60	40	100		
	EMPLOYAB1	ILITY ENHANCEMENT			•						•		
9.	BE23PT808	Aptitude Skills – III	EEC	1	0	0	1	0.5	100	-	100		
		Total		28	11.5	5.5	11	20.5	580	320	900		

	ļ	KNOWLEDGE INSTITUTE OF TECHNO	LOGY (NOTUN	юмои	IS), S <i>l</i>	ALEM	- 6375	04				
		B.TECH. ARTIFICIAL INTE	LLIGEN	CE ANI	D DATA	A SCIE	NCE						
	Т	Courses of Study and Scheme of	Assessi	ment (Regul	ations	2023	3)					
SI.	Course			1	Peri	ods /	ds / Week			mum I	Marks		
No.	Code	Course Title	Course Title CAT CP L T P						IA	ESE	Total		
		SE	MESTER	V			•				•		
	THEORY												
1.	BE23AD406	Cloud Computing	PC	3	3	0	0	3	40	60	100		
2.	BE23XX6XX	Open Elective – I	OE	3	3	0	0	3	40	60	100		
3.	BE23AC905	Indian Constitution	AC	2	2	0	0	NC	100	-	100		
	THEORY CU	M PRACTICAL				L	L						
4.	BE23CS402	Computer Networks	PC	5	3	0	2	4	50	50	100		
5.	BE23CS412	Embedded Systems and IoT	PC	5	3	0	2	4	50	50	100		
6.	BE23AD5XX	Professional Elective – I	PE	5	3	0	2	4	50	50	100		
7.	BE23AD5XX	Professional Elective – II	PE	5	. 3	0	2	4	50	50	100		
	EMPLOYABILITY ENHANCEMENT												
9.	BE23PT809	Aptitude Skills – IV	EEC	1	0	0	1	0.5	100	-	100		
10.	BE23PT810	Coding Skills – I	EEC	2	0	0	2	1	100	-	100		
11.	BE23PT812	Technical Comprehension and Mock Interview – I	EEC	1	0	0	1	0.5	100	-	100		
Total					20	0	12	24	680	320	1000		
		CEME:	STER VI		9								
	THEORY	SEME	SILK VI										
1.	BE23AD407	Deep Learning	PC	3	3	0	0	3	40	60	100		
2.	BE23XX6XX	Open Elective – I	OE	3	3	0	0	3	40	60	100		
	THEORY CU	M PRACTICAL			l		<u> </u>			<u> </u>			
3.	BE23AD409	R Programming for Data Science	PC	5	, 3 ,	0	2	4	50	50	100		
4.	BE23AD5XX	Professional Elective Fill ONCL	PER	U 5 4	e31	Neo	2	4	50	50	100		
5.	BE23AD5XX	Professional Elective – IV	PE	5	3	0	2	4	50	50	100		
	PRACTICAL			ı	I		1						
6.	BE23AD408	Deep Learning Laboratory	PC	4	0 0		4	2	60	40	100		
7.	BE23PW701	Make A Product	PW	2	0 0		2	1	100	-	100		
	EMPLOYABI	LITY ENHANCEMENT					1						
8.	BE23PT803	Human Excellence and Value Education – III		2	1	0	1	NC	100	-	100		
9.	BE23PT811	Coding Skills – II	EEC	2	0	0	2	1	100	-	100		
10.	BE23PT813	Technical Comprehension and Mock Interview – II	EEC	1	0	0	1	0.5	100	-	100		
		Total		32	16	0	16	22.5	690	310	1000		

		B.TECH. ARTIFICIAL INTELL	IGENC	E ANI	D DAT	A SCI	ENCE				
		Courses of Study and Scheme of A	Assessr	nent (Regu	lation	s 2023)			
SI.	Course	Course Title		Peri	ods /	Week			Maxii	mum I	4arks
No.	Code	Course Title	CAT	СР	L	Т	Р	С	IA	ESE	Tota
		SEM	IESTER	VII	11.5000			I	· L		
	THEORY	ISTII	UTE	<u> </u>	44.07						
1.	BE23HS105	Project Management and Finance	HS	3	2	1	0	3	40	60	100
2.	BE23XX6XX	Open Elective – III	OE	3	3	0	0	3	40	60	100
	THEORY CUM	1 PRACTICAL	1	5	\ :	5 (
3.	BE23AD410	Big Data Analytics	PC	5	3	<u> </u>	2	4	50	50	100
4.	BE23AD5XX	Professional Elective – V	PE	5	3	0	2	4	50	50	100
	PRACTICAL	3	25	0	7.9						
4.	BE23AD702	Project Work Phase – I	PW	2	0	0	2	1	100	-	100
	EMPLOYABIL	ITY ENHANCEMENT			211						
5.	BE23PT814	Industrial Training / Entrepreneurship / Undergraduate Research Activity / Company Certification	LEC	6	0	0	6	3	100	-	100
		Total	1	24	11	1	12	18	380	220	600
		Joerno semest	ER VII	noe	ule	dge	3,				
	PRACTICAL	9				0					
1.	BE23CS703	Project Work Phase – II	PW	18	0	0	18	9	60	40	100
		Total		18	0	0	18	9	60	40	100
	•				•		Total	Numb	er of C	redits	: 167

SEMESTER-WISE CREDITS DISTRIBUTION

	SUMMARY										TOI
SI. No.	Course			Credits	Credit						
SI. 140.	Category	I	II	III	IV	V	VI	VII	VIII	Credits	%
1	HS	2	2	1	1	_	-	3	-	9	5.4
2	BS	11	3	3	3	=	-	-	-	20	11.9
3	ES	9	7	4	4	$E_{O_{\wedge}}$		-	-	24	14.4
4	PC	-	6	17	12	11	> 9	4	-	59	35.3
5	PE	-), -(S)	-	-	8	8	4	-	20	12.0
6	OE	-	9	-	-	3	3	3	-	9	5.4
7	PW	- 1	[]		- (3/ -	17	* 1	9	11	6.6
8	EEC	√	1.5	1.5	0.5	2	1.5	3	-	10	6.0
9	MC\NC\AC	1 4	4	-		✓	0-	-	-	5	3.0
	Total	23	23.5	26.5	20.5	24	22.5	18	9	167	100

SALEM

CAT	Category of Course	HS	Humanities, Social Sciences and Management Courses	PW	Project Work Courses
СР	Contact Periods	BS	Basic Science Courses	EEC	Employability Enhancement Courses
L	Lecture Hours	ES	Engineering Science Courses	MC/NC/AC	Mandatory Courses/Non-Credit Courses/Audit Courses
Т	Tutorial Hours	PC	Professional Core Courses	CIA	Continuous Internal Assessment
Р	Practical Hours	PE	Professional Elective Courses	ESE	End Semester Examination
С	Credits	OE	Open Elective Courses		