

### Structure for B.Tech in

Computer Science & Engineering (AIML) (To be Implemented w.e.f. Academic Year 2022-23)

Department of Computer Science & Engineering (AIML)

Kolhapur Institute of Technology's
College of Engineering (Autonomous), Kolhapur,
Maharashtra, INDIA

College of E

Dr. U. P. Gurav

Head, Department of CSE(AIML)

Prof. A. S. Patil Dean Academics



Teaching and Evaluation scheme for

### Second Year B. Tech. Program in Computer Science & Engineering (AIML) Semester-III

				Hot	ırs/\	Veek	Evalua	tion Sc		
27 T J	Course Name	Curriculum					E - LOC	ľ	Marks	lant/a
Course Code	Course Name	Component	L	T	P	Credits	Component	Max	Min Pas	for
							ISE I	10		
	(MR. 4005-047-0701942000-0704-0000)	700					MSE	30	20	40
UAMC0301	Linear Algebra	BS	3	1	2	4	ISE II	10		40
							ESE	50	20	
							ISE I	10		
	Discrete	TC.	2	4			MSE	30	20	40
UAMC0302	Mathematics	ES	3	1	7.7	4	ISE II	10		40
							ESE	50	20	
							ISE I	10		
****		70	_			3	MSE	30	20	40
UAMC0303	Data Structures	PC	3		*	3	ISE II	10		41
				_			ESE	50	20	1
			-				ISE I	10		
		20					MSE	30	20	- 4
UAMC0304	Principles of AIML	PC	3	-	3)	3	ISE II	10	24600	4
						5-	ESE	50	20	
		***					ISE I	10		
	Object Oriented	12/52/	2			- 2	MSE	30	20	100
UAMC0305	Programming	PC	3	7	-	3	ISE II	10		4
	3 8						ESE	50	20	
							ISE I	10	20	
	Software	70.0	_				MSE	30	20	3
UAMC0306	Engineering	ES	3	-	-	3	ISE II	10	20	- 4
				ļ			ESE	50	20	
		72.7	1	100	_		ISE	25	10	-
UAMC0331	Data Structures-Lab	PC			2	1	ESE (POE)	50	20	- 3
							ISE	25	10	
UAMC0332	Object Oriented Programming-Lab	PC	121	-	2	1	ESE (POE)	50	20	3
UAMA0361	Constitution of India	Audit Course	2	#	4	*	ESE	100	4	10
								750		
			20	2	4	22	600 + 150 =	750 + A	udit C	Cour

Total Credits - 22, Total Contact hours - 26

Df. Uma P. Gurav

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Teaching and Evaluation scheme for

### Second Year B. Tech. Program in Computer Science & Engineering (AIML) Semester-IV

				Ho	urs/	Week	Evalua	tion Scl		
Course		Curriculum		(1 ° 1 ) (7 ) 2 ° 1 ) 	CVX.07.10		194	N	<b>Aarks</b>	
Code	Course Name	Component	L	Т	P	Credits	Component	Max	Min Pass	
							ISE I	10		
- 100 000 11 (00000000000000000000000000	Statistical and Probability		_	- 90			MSE	30	20	40
UAMC0401	Theory	BS	3	1	-	4	ISE II	10		40
	Personal Carlo						ESE	50	20	
#=====							ISE I	10		
	222	20	-	-			MSE	30	20	40
UAMC0402	Automata Theory	ES	3	1	*	4	ISE II	10		4
							ESE	50	20	
							ISE I	10		
	PARAMONIA CON PROPERTY DO THE MAN TO BOOTTON ON THE TOTAL	200	١,	955			MSE	30	20	4
UAMC0403	Computer Networks	PC	3	2	27	3	ISE II	10		4
							ESE*	50	20	
							ISE I	10		
	Computer Organization and	7.0				82	MSE	30	20	
UAMC0404	Digital Logic	PC	3	1	12	4	ISE II	10		4
	Control of the purpose they so the control						ESE	50	20	
							ISE I	10		
5.0		22	2				MSE	30	20	4
UAMC0405	Principles of Data Science	PC	3		-	3	ISE II	10		-4
							ESE	50	20	
		D.C.					ISE	25	10	
UAMC0431	Computer Networks-Lab	PC	=	-	2	1	ESE(OE)	25	10	2
		1862 765			2-43		ISE	25	10	1
UAMC0432	Data Analytics and Visualization-Lab	PC	2	2	2	1	ESE (POE)	50	20	3
		no.			-		ISE	25	10	3
<b>UAMC0433</b>	AI and DS Tools- Lab	PC	-	-	2	1	ESE (POE)	50	20	د ا
	AND	DIV			1		ISE-I	25		0
UAMC0451	Mini Project – I	PW	-	-	2	1	ISE-II	25	2	.U
UAMA0461	Environmental Studies	Audit Course	2	20	2	<u> </u>	ESE	100	4	10
						9,5		750		
			17	3	8	22	500 + 250 =	750 + A	udit C	our

Total Credits - 22, Total Contact hours - 28

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Teaching and Evaluation scheme for

Third Year B. Tech. Program in Computer Science & Engineering (AIML)Semester-V

	B. Tech. Progra			Hr	s/W	eek	Evalua	tion Sc	neme	
Course	NOTE OF WARRANT FROM	Curriculum					14.80.40-20	ľ	<b>Aarks</b>	
Code	Course Name	Component	L	Т	P	Credits	Component	Max	Min Pass	
							ISE I	10		provide No.
	Operating	Werksoff	102	7.27		541	MSE	30	20	40
UAMC0501	System	PC	3	1		4	ISE II	10		40
	Dystom .						ESE	50	20	-
			-	_			ISE I	10		
	Database		6			· ·	MSE	30	20	40
UAMC0502	Management	PC	3	+		3	ISE II	10		40
	System						ESE	50	20	
							ISE I	10		
	Machine	V222/V1249	100	1		_	MSE	30	20	40
UAMC0503	Learning	PC	3	*	. 8	3	ISE II	10		40
	Doarming						ESE	50	20	
			- 3		ΞŸï		ISE I	10		
	Program	2333	29			227	MSE	30	20	40
UAME05**	Elective - I	PE	3		-	3	ISE II	10		40
	Elective - 1				C.		ESE	50	20	
						-	ISE I	10		
	Open Elective -					2	MSE	30	20	40
UAMO05**	I	OE	3	-	=	3	ISE II	10		40
							ESE	50	20	
	Database						ISE	25	10	
UAMC0531	Management System lab	PC	Į.ē	7	2	1	ESE(POE)	50	20	30
	Machine	- A			2	4	ISE	25	10	- 20
UAMC0532	Learning Lab	PC		7	2	1	ESE (OE)	25	10	20
Ormitodasa	Web				1	-	ISE	25	10	- 30
UAMC0533	Technology Lab	PC	2	-	2	3	ESE (POE)	50	20	20
J. 11.12.000		7337			_	1	ISE-I	25		20
UAMC0551	Mini Project-II	PW	Ä	133	2	1	ISE-II	25		20
	Software	TO THE RESERVE AND THE PARTY OF					ISE-I	50		40
UAMA0561	Systems Tools	Audit Course	2	1.	-	-	ISE-II	50		70
								750		
			19	1	8	22	500 + 250 =	750 1		1200000

### Total Credits - 22, Total Contact hours - 28

Program Elec	tive – I (PE-I)	Open Elective	- I (OE-I)
UAME0521	Information Security System	UAMO0511	Introduction to AI and ML
UAME0522	Project Management	UAMO0512	Python Programming Applications
UAME0523	Internet of Things		

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### Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur Teaching and Evaluation scheme for

### Third Year B. Tech. Program in Computer Science & Engineering(AIML)Semester-VI

V.,	3 370 27		Te	ach	ing S	Scheme	Evalua	tion Sch	eme	
Course	Course Name	Curriculum			) = XVX			N	larks	
Code	Course Name	Component	L	Т	P	Credits	Components	Max	Min Pass	for sing
							ISE-I	10		
1143460601	Di- D-4- AI-di	PC	3	1		4	ISE-II	10	20	40
UAMC0601	Big Data Analytics	PC	3	1	-	4	MSE	30		40
							ESE	50	20	]
							ISE-I	10		
UAMC0602	Design and Analysis	PC	3		2		ISE-II	10	20	40
UAMC0602	of Algorithms	PC	)	1	-	4	MSE	30	3,00074	40
	7017 (PROCEEDINGS - 01 ) PROCE - 04-03						ESE	50	20	
							ISE-I	10		
UAMC0603	Door Lorrning	PC	3	_	_	3	ISE-II	10	20	40
UAMC0603	Deep Learning	PC	3	12	-	٦	MSE	30	=1	40
							ESE	50	20	9
							ISE-I	10	-0.45	
UAME06**	Program Elective - II	PE	3			3	ISE-II	10	20	40
UAMEUG	Program Elective - II	PE	3	-	:=:	3	MSE	30		40
							ESE	50	20	
							ISE-I	10		
UAMO06**	Open Elective - II	OE	3	1	2	3	ISE-II	10	20	40
UAMU000**	Open Elective - II	OE	دا	-	-	3	MSE	30	1000	41
							ESE	50	20	
1143400001	Advanced Program	D.C.			_	_	ISE	25	10	20
UAMC0631	ming Lab.	PC	1	#3	2	2	ESE(POE)	50	20	30
	Program Elective						ISE	25	10	1
UAME063*	Lab-II	PC	-	-	2	1	ESE (POE)	50	20	- 30
						12	ISE	25	10	120
UAMC0632	Deep learning Lab	PC	- 7	7	2	1	ESE (OE)	25	10	20
G 7 8 1							ISE-I	25		
UAMC0651	Mini Project - III	PW	12	-	2	1	ISE-II	25	2	0.
			- 2-03				1315-11	23		-
UAMA0661	Intellectual Properties Rights	Audit Course	2	-	-	i e	ESE	100	4	10
								750		
		*	18	2	8	22	500 + 250 = 7	50 + Au	dit Co	nrei

Total Credits - 22, Total Contact hours - 28

Program Ele	ctive – II (PE-II)	Open Elective	- II (OE-II)
UAME0621	Advanced Database System	UAMO0613	IoT Analytics
UAME0633	Advanced Database System-Lab	UAMO0614	Introduction to Big Data Analytics
UAME0622	STQA		
UAME0634	STQA-Lab		
UAME0623	Business Intelligence System		( Annual Control of the Control of t
UAME0635	Business Intelligence System-Lab		

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Teaching and Evaluation scheme for

Final Year B. Tech. Program in Computer Science & Engineering(AIML) Semester-VII

			Te	each	ing S	Scheme	Evalua	tion Scher	ne	
Course		Curriculum						M	arks	
Code	Course Name	Component	L	T	P	Credits	Components	Max	7250 255	n for sing
	***						ISE I	10		
	Natural Language	nc.			540		MSE	30	20	40
UAMC0701	Processing	PC	3	3	-	3	ISE II	10		40
							ESE	50	20	
							ISE I	10		
*** * * * * * * * * * * * * * * * * * *	4 (400)	P.C.	3				MSE	30	20	40
UAMC0702	Computer Vision	PC	3	Ť	85	3	ISE II	10		40
							ESE	50	20	
							ISE I	10		
	a 74 3	700	1	200		3	MSE	30	20	40
UAMC0703	Cloud Computing	PC	3	4	<u> </u>	3	ISE II	10		40
							ESE *	50	20	İ
							ISE I	10		
*** * * * * * * * * * * * * * * * * * *	Optimization for	n.c	1	- a	4	100	MSE	30	20	40
UAMC0704	Machine Learning	PC	3	1	1	4	ISE II	10		40
	THE PROJECT OF THE PR						ESE	50	20	
							ISE I	10		
	Program Elective -	DE	3			3	MSE	30	20	40
UAME07**	m	PE	ು	-	7	3	ISE II	10		40
							ESE	50	20	
**************************************	Mobile App	DC.			2	ī	ISE	25	10	30
UAMC0731	Development-lab	PC	-	-	2		ESE(POE)	50	20	30
UAMC0732	Natural Language	PC	_	្ន	2	1	ISE	25	10	30
UAMC0732	Processing-Lab	PC	-	-	-		ESE (OE)	50	20	30
UAMC0751	Desired Disease T	PW	6.5	-8	4	2	ISE-I	50	20	40
UAIVICU/31	Project Phase - I	PVV	*	9	4	4	ISE-II	50	20	40
UAMA0761	Project	Audit	2				ISE-I	50		40
UAMAU/61	Management Tools	Course		100	.53		ISE-II	50		7037-2414
	(C	W = 5 res = 43	15	1	8	20	500 + 250 = 7	750 + Aud	it Cou	rse

### Total Credits - 20, Total Contact hours - 24

Sr. No.	Program Elective III (PE-III)
UAME0721	Fundamentals of Robotics
UAME0722	Time Series Analysis
UAME0723	Nature Inspired Computing
UAME0724	BlockChain

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Teaching and Evaluation scheme for

### Final Year B. Tech. Program in Computer Science & Engineering(AIML) Semester-VIII

			T	eacl	ing	Scheme	Evalua	tion Scl	ieme	
Course	9206 DOMESTIC 25200006000	Curriculum						I I	/Iarks	
Code	Course Name	Component	L	T	P	Credits	Components	Max	Min i Passi	
					ere e		ISE I	50	40	
UAMC0851	Project Phase - II	PW	<u></u>	_	8	4	ISE II	50	40	40
O'HITCOOD !		27 MM			- 8		ESE(OE)	100	40	
A 1800 NT SECTIONS ON THE	W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and the second second			1 7/02/1	_	ISE-I	50	20	40
UAMC0852	Internship	PW	75	-	4	2	ISE-II	50	20	7 40
							ISE-I	10		
			2				ISE-II	10	20	40
UAME08**	Program Elective - IV	PE	3	=	2)	3	MSE	30		40
							ESE	50	20	3
							ISE-I	10		
2534.6		PE	3				ISE-II	10	20	40
UAME08**	Program Elective - V	PE	3	-	-	3	MSE	30		_ 40
							ESE	50	20	
			6	-	12	12	200 + 1	00 + 200	= 500	

### Total Credits-12, Total Contact hours - 18

Program Ele	ctive – IV (PE-IV)	Program Ele	ctive – V (PE-V)
	Security Scripting and Analysis	UAME0824	Intelligent Transportation System
UAME0822	Social Media and Digital Marketing Analysis	UAME0825	Computational Method for Image Processing
UAME0823	AI Healthcare	UAME0826	Web Analytics

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### B. Tech. Program in Computer Science and Engineering(AIML) College of Engineering (Autonomous), Kolhapur Kolhapur Institute of Technology's

# Total Credits Distribution from F.Y.B.Tech to Final Year B.Tech in Computer Science & Engineering (AIML)

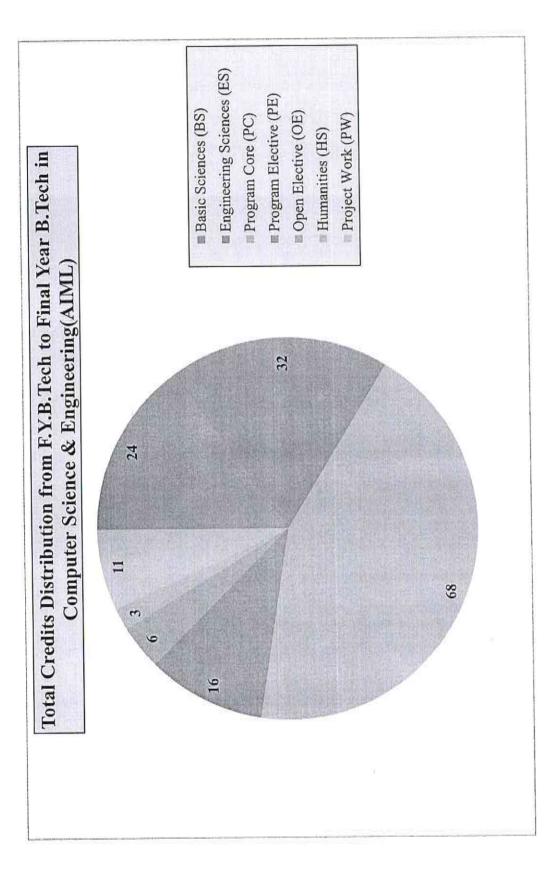
	F.Y.I	F.Y.B.Tech	S.Y.B	S.Y.B.Tech	T.Y.E	T.Y.B.Tech	Final Ye	Final Year B.Tech	Total	Percentage
Component	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Sem VII	Sem VIII	Credits	Distribution
Basic Sciences (BS)	8	8	4	4	1	Ĭ			24	15.00
Engineering Sciences (ES)	6	12	7	4	·	i		ì	32	20.00
Program Core (PC)	1		Ξ	13	15	14	15		89	42.50
Program Elective (PE)	ı	ţ	1	1	æ	4	3	9	16	10.00
Onen Elective (OE)	3	1		C	6	60	i	į	9	3.75
Mandatory Audit Course (MAC)	UHIV	ED	CI	EVS	SS	IPR	PMT	Ī	Non-Credit Courses	!
Humanities (HS)	ю	1		1	<u>(i)</u>			•	£0	1.88
Project Work (PW)	!	1	i	-	1	Т	2	4+2	п	98.9
Total Credits	20	20	22	22	22	22	20	12	160	100.00

## Note for Mandatory Audit Courses (MAC):

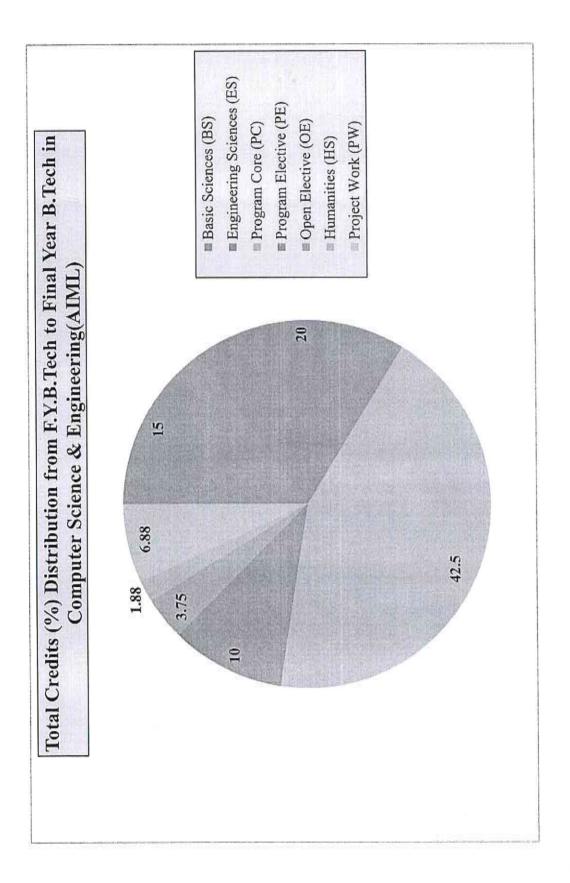
UHV: Universal Human Values (HS), ED: Entrepreneurship Development (HS), EVS: Environmental Studies (BS), CI: Constitution of India (HS),

SS: Software Systems (PC), IPR: Intellactual Property Rights (HS), PMT: Project Management Tools (PC)

Head Department of CSE (AIML & DS) Dr. Uma P. Gurav



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