Cod	200 2000	UCA20S02J	Name	GO PROGRA	MMING		10021048	egor		S			Ski	ll Enh	ance	emen	t Co	urse				1	0	1	2
F	Pre-req	uisite Courses	Nil	Co-requisite Courses	Nil			P	rogre	essive	Course	s	Nil												
Course	Offeri	ng Department	Computer Applic	cations	Data Boo	k / Codes/Stand	dards	Nil					55/a												
Course (CLR):	Learn	ing Rationale	The purpose of I	earning this course is to:	5		(7	L	earni	ng				F	rogr	am L	earni	ing O	utcor	nes (	PLO	)			
CLR-1	: Lea	rn Go fundament	tals and apply them in	real world scenarios				1	2	3	_ 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2	500		93000 92	of programming fundamentals									-												
CLR-3	: Lea	rn to handle the	data with various data	a types.	100				-		-		nes			ge									1
CLR-4	20 10000000	rn the importance						(Bloom)	Proficiency (%)	(%)	Knowledge	pts	Disciplines	Ф	_	Knowledg		ā		S	S			_	1
CLR-5	170		f Server Programmin	a	- 1.13-	11110		(B)	ncy	ent	N N	oncents	Disc	owledge	Specialization	nov		Data	S	Skills	Skills			Behavior	0
			nced features like Ch		2112	A 104		ing	icie	E I	å	S	ted	NO.	aliz		ing	oret	Skills	ng S		S		ehs	earning
OLIVO	.   000	to grip with dave	incoa roatares into or	difficio dila roddifico			17.7	Thinking	Prof	Attainment	4	of	l W	조	eci	Utilize	Modeling	Interpret		Solving	atio	Skills			ear
Course (CLO):		ing Outcomes	At the end of thi	s course, learners will be able	to:	-ANDR	37.5	Level of Th	Expected		Fundamental	Application	ink with F	Procedural	Skills in Sp	Ability to L	Skills in M	Analyze, Ir	Investigative	Problem S	Communication	Analytical	CT Skills	Professional	Life Long
CLO-1	: Und	derstand the Prog	gramm <mark>ing conc</mark> epts in	free form environment	100		the /	3	80	70	L	Н	-	H	L	•	•	-	L	L		Н	-	-	25-19
CLO-2	: Knc	ow how to use the	e slice <mark>s and m</mark> aps		-			3	85	75	M	Н	L	М	L	120	-	-	М	L		Н	-	-	
CLO-3	: Und	derstand to handl	e the <mark>data usin</mark> g poin	ters	112		1 175	3	75	70	M	Н	М	Н	L	-	(e=)	-<	М	L	S=0	Н	-	•	- C
CLO-4	: Usa	age of Structs and	d Interfaces etc			11.00		3	85	80	M	Н	М	Н	L			-	М	L	100	Н	-	150	
CLO-5		te basic applicati	AND THE PROPERTY OF THE PROPER	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IN COLUMN TO THE PERSON NAMED IN COLUMN TWO IN COLUMN TW	1111		-	3	85	- 185	Н	Н	М	Н	L	-		_	М	L	-	Н	-	-	•
	95			ogramming environment			11.5	3	80		L	Н	-	Н	L	-	10.0	-	L	L		Н	-	15.0	1.
					at I					500000			4												
Dura (ho			06	06		11/11	06						06	5							06	i			
5	SLO-1	Introduction to 0	Go Programming			Function Decla	aration, Rec	ursio	n	- 50							F	File o	perat	ions					
S-1	SLO-2	Understanding F	Program Structure	Arrays		Returning Mult	tiple Values			St	ructs							Writin Data	•			ile ar	nd Re	eadin	g
5	SLO-1			Write a program to find sum	MIK	Write a recursi factorial value			d	W	rite a pr	oara	m tha	t illust	tratas	how	ı to \	Mrita	a pro	varan	n to u	urito r	list	of oit	ioc
S-2	SLO-2	Hello World Pro	gram	and maximum of n numbers		Write a function numbers and publication and subtraction and s	performs ad	dition	and	cr	eate an					STIOW		to a n	6.000	_	ii to v	VIII C	1 1151	OI CIL	ES
63	SLO-1	Data Types, Va	riables & Constants	Clinos		Variadic Funct				0.15	orfoss						,	00.55	utine	_					
S-3	SLO-2	Operators		Slices		Deferred Fund	ction Calls			In	erfaces						(	Go ro	uline	5					
CA		Write a program difference, prod numbers?	n to display sum, uct and quotient of tw	Write a program to create a make function?	slice using	Write a function parameter that number in a list	t finds the g	reate	lic st	10000	rite a pr ncept ir	-		t illust	trates	s the	[	Deve	lopino	g Cor	ncurr	ent C	lock	Serv	er
- 1		Decision control	etatemente _ If			2				9															- 37

Pointers

**GO PROGRAMMING** 

Course

S

Skill Enhancement Course

String Operations

Course

Decision control statements - If,

Maps

S-5 SLO-1

switch

UCA20S02J

Course

Channels

	SLO-2	Iteration Statements - for, while		The * and & operators		
S-6	SLO-1	and 10?	Write a program to illustrate how to		Write a program that inputs the string 'hello world' and slice it in two.	Send and receive data from a channel

Learning Resources	<ol> <li>Caleb Doxsey, (2012), "An Introduction to Programming in Go"</li> <li>Mark Summerfield, (2012), "Programming in Go: Creating Applications for the 21st Century", Addison-Wesley Professional</li> </ol>	3. Alan A. A. Donovan and Brian W. Kernighan, (2016), "The Go Programming Language", Addison-Wesley Professional Computing Series
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Learning A	Assessment													
	Disamia			Continuo	us Learning Asse	essment (50% w	veightage)	12		Final Examinati	on (50% weightage)			
Level	Bloom's – Level of Thinking –	CLA -	1 (10%)	CLA-	2 (10%)	CLA -	3 (20%)	CLA - 4	(10%) #		,			
	Level of Tilliking	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice			
Level 1	Remember	20%	20%	15%	15%	15%	15%	15%	15%		30%			
Level I	Understand	20 /0	20 /0	13 /6	13 /6	13 /6	13 /6	13 /6	1370	-	30 /6			
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%		40%			
Level 2	Analyze	20 /0	20 /6	20 76	2078	2076	20 /0	20 70	20 /0	-	40 /0			
Level 3	Evaluate	10%	10%	15%	15%	15%	15%	15%	15%		30%			
Level 3	Create	10 /0	10 /6	13 /6	13 /6	13 /6	1376	13 /6	13 /0		30 /6			
	Total	10	0 %	10	0 %	10	0 %	100	0 %	1	00 %			

# CLA - 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
Mr.G.Muruganandam, Group Project Manager, HCL Technologies, Chennai	Dr. S. Gopinathan, Professor, University of Madras, Chennai	Mrs. S. Chandra Kala, SRMIST
Mr.M. Hemachandar, Tech Lead, Wipro Limited, Chennai		Dr. B. Rebecca Jayavadhanam, SRMIST
ZAVIEW	N. THE APPLIES	