	1					L	Т	Р	С
OLMCA502	P	ython Progr	amming			3	1	0	4
Pre-requisite	NIL				Syli	labu		ersi	ion
						1.	.0		
Course Objective									
	ce the basics of Pyth								
	rite python program								
3. Ability to fr	nanipulate various da	ala structures	with pyth	on.					
Course Outcome									
	te the programming	l anguage co	netructe a	nnronriately	to so	lve a	anv		
problem.	te the programming	Language co	i i sti u cto u	ppropriatery	10 30		arry		
	ous engineering prob	olems using d	ifferent da	ata structure	s.				
	dulate the given pro					amm	ning		
3. Efficiently	handle data using fla	at files to proc	ess and s	tore data fo	r the	give	n pr	oble	em.
	troduction to Pyth								
	on Interactive and s								
	iers and literals, Ke	eywords, Esc	ape Sequ	iences, Bas	sic I/C) wi	ith	pytr	ion.
	India" with Python.	0							
	Python Programmii			and sonve			ام مر م	:4: ~	
	xpressions, I/O forr ive Statements, Pytl								
Iterations example		ion packages	s, Solving	problems v	viti i C	onai	lion	з а	IIu
	tring handling & Pa	ttern Matchi	na						
	utable concept in F			n functions	for S	String	ı ha	ndl	ina.
Pattern matching,	Pattern matching w	th Regular E	pression:	S.		3	,		,
	ists and Tuples		•						
	ng, Lists, tuples, Diff		en Tuple:	s and lists.					
	ictionaries and Set								
Working with python Dictionaries, Sets, Case examples, Real world applications.									
	ser Defined Function			17					
	nctions, Calling fund	tions with ar	guments.	Keyword ar	gume	ents,	ро	SITIC	onal
arguments,	s, Recursive Functio	no							
	odules and Packaç								
	Jser-Defined Module		of NumPy	and Panda	<u>e</u>				
Duit-in Modules, (·			J.				
	Total	Lecture hou	rs:				120) ho	urs
Text Book(s)									
1. Introducing P	ython, 2nd Edition by	y Bill Lubanov	/ic, O'Reil	ly Media, 20	19.				
Reference Books									
1	g., 2016. Introduction	•		programmin	g usii	ng p	ytho	n: ۱	with
applications to understanding data. PHI Publisher.									
	erance.2016.Python	for everybod	y: explori	ng data in	Pytho	on 3	, C	harl	es
Severance.									
Mode of Evaluation	n: Quiz / Assignmer	nt / Mid-Term,	FAT						
Recommended by	Board of Studies	15.11.2021							
Approved by Acad	demic Council	No. 64	Date	16-12-2021					