

<div>One Step In Changing Education Chain...</div> <div>RED & WHITE[®]</div> <div>GROUP OF INSTITUTE</div>										FACULTY NAME																						
										STARTING DATE		D	D	-	M	M	-	Y	Y	GRID												
										ENDING DATE		D	D	-	M	M	-	Y	Y	B. TIME		H	H	:	M	M						
STUDENT NAME																				GOOGLE CLASSROOM CODE												
C LANGUAGE															TOTAL DAYS: ____ / 46																	
LEC.	TOPIC					DATE	P/A	DAY	FEEDBACK		STU. SIGN		FACULTY SIGN																			
1	INTRO TO C LANGUAGE - History & Importance of C - Difference between Compiler & Interpreter - printf() function * - Escape Sequence characters								<div>A</div> <div>B</div>																							
								1	<div>C</div> <div>D</div>																							
2	DATATYPE, CONSTANT & VARIABLES - Data Types - Variables & Constant - Keywords								<div>A</div> <div>B</div>																							
								1	<div>C</div> <div>D</div>																							
3	MANAGING INPUT/OUTPUT - printf() * & scanf() function - Format specifiers								<div>A</div> <div>B</div>																							
								1	<div>C</div> <div>D</div>																							
4	OPERATOR & EXPRESSION - Types of Operator - Operator Precedence - Type Conversation - sizeof() operator								<div>A</div> <div>B</div>																							
								2	<div>C</div> <div>D</div>																							
PR1	Greenhorns								____/10																							
1																																
5	CONTROL STRUCTURE - if statement - if ... else - ladder else if - nested if - ternary operator - switch case & goto label								<div>A</div> <div>B</div>																							
								3	<div>C</div> <div>D</div>																							
PR2	Momentum								____/10																							
2																																
6	LOOPING - while loop - do ... while loop - for loop - Control Statements (break & continue)								<div>A</div> <div>B</div>																							
								2	<div>C</div> <div>D</div>																							
PR3	Temperate								____/10																							
3																																
7	LOOPING WITH PATTERNS - Nested for Loop								<div>A</div> <div>B</div>																							
								1	<div>C</div> <div>D</div>																							
PR4	Circlet								____/10																							
3																																
8	ARRAY IN DETAILS - 1D Array - 2D Array (Working with Matrix)								<div>A</div> <div>B</div>																							
								3	<div>C</div> <div>D</div>																							
PR5	Assortment								____/10																							
3																																
9	STRING IN DETAILS - String concept - getchar(), putchar() - gets(), puts() - String functions								<div>A</div> <div>B</div>																							
								3	<div>C</div> <div>D</div>																							
PR6	Filament								____/10																							
2																																

IN FEEDBACK (A = 100% | B = 80% | C = 60% | D = 30%)

10	USER DEFINED FUNCTION (UDF) - Function concepts - Types of functions - Passing Array & String - Recursion - Nested Functions			2	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR7	Gathering			2	___/10						
11	POINTER - Pointer Concepts - Pointer with Array & String - Pointer with UDF - Call by Value & Call by Reference - Chain of Pointer			2	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR8	Indicator			2	___/10						
12	STRUCTURE, UNION & ENUMERATION - Structure & Union Concept - Structure & Union with Array - Enumeration (Enum)			2	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR9	Volume			2	___/10						
13	FILE HANDLING - File Opening Modes - File Reading - File Writing			1	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR10	Supervision			2	___/10						

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STUDENT NAME																									GOOGLE CLASSROOM CODE																			
C++ FOR ANDROID																				TOTAL DAYS: ____ / 23																								
LEC.	TOPIC										DATE	P/A	DAY	FEEDBACK				STU. SIGN		FACULTY SIGN																								
1	INTRO TO C++ PROGRAMMING - History - Difference between C & C++ BEGINNING WITH C++ - cout & cin - Control Structure & Looping - Arrays & String													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
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C	D																																											
2																																												
PR1	Fundamental Booster												1	____/10																														
2	INTRO TO OOPS CONCEPT - Data Abstraction - Data Encapsulation - Inheritance - Polymorphism PROGRAMMING WITH OOPS - Class & Object - Access Modifiers													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
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C	D																																											
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PR2	The New Era												1	____/10																														
3	ENCAPSULATION - Private Attributes - Setter & Getter - this keyword - Array of Object STATIC KEYWORD - Static Data Members - Scope Resolution Operator * - Static Member Functions													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
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C	D																																											
3																																												
PR3	Builder												1	____/10																														
4	CONSTRUCTOR - Constructor Concepts - Types of Constructor													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
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C	D																																											
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PR4	Producer												1	____/10																														
5	INHERITANCE - Inheritance Concept - Types of Inheritance - Scope Resolution Operator *													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
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C	D																																											
2																																												
PR5	Heritage												1	____/10																														
6	POLYMORPHISM - Method Overloading - Method Overriding - Scope Resolution Operator *													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
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C	D																																											
2																																												
PR6	Multiprocessor												1	____/10																														
7	OPERATOR OVERLOADING - Overload Binary Operator													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
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PR7	Signer												1	____/10																														

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8	EXCEPTION HANDLING - try, throw & catch() - General Exception [try & catch(...)]				<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
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C	D										
1											
PR8	Terminator				___/10						
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E	Exam				___/30						
				1							

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STUDENT NAME																				GOOGLE CLASSROOM CODE											
CORE PYTHON																		TOTAL DAYS: ____ / 53													
LEC.	TOPIC										DATE	P/A	DAY	FEEDBACK		STU. SIGN		FACULTY SIGN													
1	INTRO TO PYTHON - History & Installation of Python - Python Shell & IDLE - First Python Program - Types of Mode to Run Program FUNDAMENTALS OF PYTHON - print() and input() function - Variables, Datatypes & Operators - Type Casting Constructors - id() and type() functions													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>		A	B	C	D												
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C	D																														
		2																													
PR1	Fundamental Booster												1	___/10																	
2	DATATYPE IN DETAIL - String Formatting & Manipulation - Collection Datatypes with Its Methods - Mutability of list & tuple - Shallow & Deep Copy - List Comprehension - Type Casting and del keyword													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>		A	B	C	D												
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C	D																														
		2																													
PR2	Collection Manipulator												1	___/10																	
3	CONTROL STRUCTURE - Types of Control Structure - Short Hand Syntax (Ternary) LOOPING - Types of Loops - range() function - Control Statements - Nested Loop													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>		A	B	C	D												
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C	D																														
		2																													
PR3	Logic Box												2	___/10																	
4	FUNCTION IN DETAIL - Built-in Functions - UDF - *args, **kwargs and __doc__ - Function Recursion - Anonymous / Lambda Function - Return Multiple Values ARRAY & SORTING - 1D & 2D Array with List - Sorting Collection Datatypes													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>		A	B	C	D												
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C	D																														
		3																													
PR4	Functional Treat												2	___/10																	
5	OBJECT ORIENTED PROGRAMMING (OOP) - Class & Object - self & del keyword - Constructor and Destructor - Encapsulation - Nested Function - Reflection Enabling Functions INHERITANCE & POLYMORPHISM - Types of Inheritance - Method Overloading & Method Overriding - issubclass() and super() - Built-in Dunder Methods - Operator Overloading													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>		A	B	C	D												
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C	D																														
		4																													
PR5	OOP Wrapper												2	___/10																	

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6	EXCEPTION HANDLING - try ... except - try ... except ... else - try ... finally - try ... except ... else ... finally - Custom Exception - raise & assert keyword			2	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR6	Exception Killer			1	___/10						
E1	Viva & Examination			1	___/10						
7	FILE HANDLING - Modes of Opening File - CRUD operation with File			1	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR7	File Operator			1	___/10						
8	WORKING WITH MODULES - datetime module - time module - math module - random module - operator module - uuid module			2	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR8	Moduler			1	___/10						
9	MODULES AND PACKAGES - Creating, Importing & Renaming Modules - __name__ with __main__ - Creating & Using Package and Sub Packages - dir() and __init__.py			1	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR9	Packager			1	___/10						
10	REGULAR EXPRESSION (REGEX) - re module - Getting specific pattern wise data COMMAND LINE ARGUMENT (CLA) - sys module - sys.argv			2	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR10	RegEx Commander			1	___/10						
11	PIP – PACKAGE MANAGER & DATABASE INTERACTION (WITH MYSQL) - What is SQL? - SQL Queries - Intro to XAMPP (phpMyAdmin) - CRUD operation with XAMPP (phpMyAdmin) - Downloading and Installing Package - mysql-connector module - CRUD operation with python’s mysql.connector			4	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR11	DB Miner			2	___/10						
12	GUI WITH TKINTER - tkinter module - widgets and grid() - Binding Functions - Mouse Clicking Events - messagebox() and PhotoImage()			5	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR12	Software Combo			5	___/10						
E2	Viva & Final Exam			2	___/100						

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STUDENT NAME																									GOOGLE CLASSROOM CODE																			
ADVANCE PYTHON																				TOTAL DAYS: ____ / 92																								
LEC.	TOPIC										DATE	P/A	DAY	FEEDBACK				STU. SIGN	FACULTY SIGN																									
1	OS & SUBPROCESS MODULE - Basic terminal commands - os module - subprocess module with call() & Popen()													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
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C	D																																											
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PR1	Executor												3	____/10																														
2	MULTITHREADING & EMAIL - What is thread in a process? - threading module - Working of email sending through Internet - smtplib module - email package													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
													A	B																														
C	D																																											
3																																												
PR2	Multi-threader & Mailer												3	____/10																														
3	ITERATORS, GENERATORS & CLOSURES - __iter__() & __next__() - iter() & next() - yield keyword - Generator Function - Generator Object - global, local & nonlocal variables													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
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C	D																																											
3																																												
PR3	UDL												1	____/10																														
4	HIGHER ORDER FUNCTIONS - sorted(), map(), reduce() & filter() DECORATORS - Simple Decorator - Chaining Decorator - @classmethod & @staticmethod - property() & @property													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
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C	D																																											
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PR4	Fast Food Maker												1	____/10																														
5	VIRTUAL ENVIRONMENT - virtualenv - venv - requirements.txt - pipenv													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
													A	B																														
C	D																																											
2																																												
E1	Viva and Examination												1	____/10																														
6	WORKING WITH EDITORS & IDLE - Sublime Text 3 - VS Code - Anaconda Navigator - PyCharm IDE DATA ANALYSIS WITH NUMPY - NumPy library - NumPy Datatypes - Array Indexing - Array Math & Broadcasting - 1D & 2D Array - Arithmetic Operations on 2D Array													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
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C	D																																											
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PR5	NumPy Analyzer												3	____/10																														
7	HOT MODULES OF PYTHON - qrcode mlibrary - pyinstaller library - csv module													<table border="1"> <tr><td>A</td><td>B</td></tr> <tr><td>C</td><td>D</td></tr> </table>				A	B	C	D																							
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C	D																																											
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PR6	Hunter			6	___ /10						
8	DATA ANALYSIS WITH PANDAS - Pandas Library - Data Structure - Operations on DataFrames - Handling missing data - Boolean Reductions - Combining DataFrames - pivoting, sorting & aggregation - Descriptive Statistics - Types of Function Application - groupby() & transform() - Re-indexing& altering labels			5	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR7	Pandas Analyzer			2	___ /10						
9	DATA VISUALIZATION - matplotlib library - Types of Charts with pyplot			2	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR8	Visualizer			2	___ /10						
10	NETWORKING - What is Socket & Port? - What is Client & Server - socket module - Socket Programming			2	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR9	Chat App			3	___ /10						
11	WEB SCRAPPING - requests library - beautifulsoup library WEB AUTOMATION - selenium library - Different browser’s WebDrivers			4	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR10	Scrapper & Bot			4	___ /10						
12	JSON PARSING - What is json? - json module - Serialization & Deserialization of data - Read and Write json data with File - Working with live json API data			3	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
A	B										
C	D										
PR11	Fetcher & Parser			5	___ /10						
13	Intro to Web Development - Basic HTML - What is Framework - Installing Flask microframework and Run first web app - Routing and Variable Rules - URL Building - HTTP Methods - Templates - Static Files - Sending Form data to Template - File Uploading			12	<table><tr><td>A</td><td>B</td></tr><tr><td>C</td><td>D</td></tr></table>	A	B	C	D		
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PR12	Resume Builder			5	___ /10						
E2	Viva and Final Exam			2	___ /100						

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