RED & WHITE
GROUP OF INSTITUTE
One Step In Changing Education Chain...

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 | |

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()			3	A C	B D		
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			3	A C	B D		
PR2	**Multi-threader & Mailer**			3	___ /10			
3	**ITERATORS, GENERATORS & CLOSURES** - __iter__() & __next__() - iter() & next() - yield keyword - Generator Function - Generator Object - global, local & nonlocal variables			3	A C	B D		
PR3	**UDL**			1	___ /10			
4	**HIGHER ORDER FUNCTIONS** - sorted(), map(), reduce() & filter() **DECORATORS** - Simple Decorator - Chaining Decorator - @classmethod & @staticmethod - property() & @property			3	A C	B D		
PR4	**Fast Food Maker**			1	___ /10			
5	**VIRTUAL ENVIRONMENT** - virtualenv - venv - requirements.txt - pipenv			2	A C	B D		
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			5	A C	B D		
PR5	**NumPy Analyzer**			3	___ /10			
7	**HOT MODULES OF PYTHON** - qrcode mlibrary - pyinstaller library - csv module			4	A C	B D		

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

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	A B C D		
PR7	**Pandas Analyzer**			2	___ /10		
9	**DATA VISUALIZATION** - matplotlib library - Types of Charts with pyplot			2	A B C D		
PR8	**Visualizer**			2	___ /10		
10	**NETWORKING** - What is Socket & Port? - What is Client & Server - socket module - Socket Programming			2	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	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	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	A B C D		
PR12	**Resume Builder**			5	___ /10		
E2	**Viva and Final Exam**			2	___ /100		

NOTE:

- FEEDBACK WILL BE GIVEN BY STUDENTS
- MARKS OUT OF 10 WILL BE GIVEN BY TUTOR

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