GLS University
Faculty of Computer Application and Information Technology
MCA – Semester – I
# Web Development Using Python Framework (230701106)

# Python Module Assignment

1. Create a Python module named "math_operations" with functions to add, subtract, multiply, and divide two numbers. Import this module and use it to perform mathematical operations.
2. Create a Python module named "currency_converter" with functions to convert currency from one currency code to another. Import this module and use it to perform currency conversion.
3. Create a Python module named "date_utils" with functions to calculate the difference between two dates. Import this module and use it to find the number of days between two given dates.
4. Create a Python module named "temperature_conversion" with functions to convert Celsius to Fahrenheit and vice versa. Import this module and use it to find the temperature conversions.
5. Create a Python module named "circle_area_module" with functions to calculate the area of circle. Import this module and use it to find the area of the circle with radius 5.
6. Create a Python module named "random_numbers" with functions to generate random number. Import this module and use it print random number between 1 to 100.
7. Create a Python module named "file_operations" with functions to read and write file. Import this module and use it write the file with random string and display the content of the file.
8. Create a Python module named "fibonacci" with functions to generate Fibonacci series. Import this module and use it display the first 10 terms.
9. Create a Python module named "shapes" with having two class **Circle** and **Rectangle** with constructor and one area function. Import this module and use it display the area of shapes.
10. Create a Python module named "word_count" with a function to count the number of words in a given text. Import this module and use it to count the words in a sample text.