National University
of Computer & Emerging Sciences

Assessment Rubric of BS Electrical Engineering Courses

Course Title:	CS214 Programming Fundamentals				
PLO:	2 (Problem Analysis), 3 (Design/Development of Solutions)				
CLO:	Statement	*Exemplary (5)*	Proficient (4)	Developing (3)	Beginning (2)	No Attempt (1)
1	Prepare logic of a program, sketch an algorithm and make a flow chart to represent the solution of problem.	Demonstrates mastery of the techniques that can be used to solve / simulate a problem	Solve the program appropriately	Solve the Program adequately with errors	Sketch the basic concept of the program but cannot declare it correctly	Show difficulty in understanding and writing of simple program
2	Design and Implement the solution of problem using loops, arrays, functions, structures.	Design and use a series of functions , arrays, loops and structures to solve a complex problem in C++	Generate and design the program appropriately	Generate and design the program adequately with errors	Construct where functions, arrays, loops and structures are needed but cannot declare it correctly	Plan but has difficulty in understanding use and writing of functions, arrays, loops and structures
3	Analyze different programs to compute the output and identify logical and syntax errors in programs including Object Oriented Programming (OOP), Inheritance.	Analyze and understand of writing program using concept of OOP, Inheritance	Analyze the program appropriately	Analyze the program adequately with errors	Compare to use selected resources to solve / simulate a problem but cannot declare it correctly	Categorize but cannot develop understanding of writing simple program for Object and Classes, Inheritance