RIPHAH SCHOOL OF COMPUTING & INNOVATION
Riphah International University, Lahore Pakistan

Project Assessment Rubric – Object Oriented Programming

					Conformance Level				
			Conformance Legend		Excellent	Good	Fair	Poor	Extremely Poor
			Conformance Level %age		(80-100)%	(60-80)%	(40-60%)	(20-40)%	(0-20)%
			Rating		4.5 – 5.0	3.5 – 4.0	2.5 – 3.0	1.5 – 2.0	0.0 – 1.0
Sr. No.	Criteria	Description	Skill	Marks Weightage					
1.	Ability to create class diagram of project	Identify classes, data members and functions	Documentation	05	Able to show identify correct classes, data members, functions and access specifiers.	Able to show identify partially correct classes, data members, functions and access specifiers.	Able to show identify few correct classes, data members, functions and access specifiers.	Able to show identify incorrect correct classes, data members, functions and access specifiers.	Able to show identify no classes, data members, functions and access specifiers.
2.	Ability to analyze problem and identify requirements	Identify correct input/ output	Analysis	10	Able to identify correctly all input and output and provide alternative	Able to identify correctly all input and output	Able to identify correctly some input and output	Able to identify only one input or output	Unable to identify any input and output
3.	Ability to apply desired class type, data members and member functions	Appropriate choice of variable names, class names, pointers, arrays)	OOP Principles	25	Able to identify and declare required classes, data members, member functions and produce correct results	Able to partially identify and declare required classes, data members, member functions and produce partially correct results	Able to identify and declare required classes or data members or member functions or does not produce correct results	Able to partially identify and declare required classes or data members or member functions or does not produce correct results	Unable to identify required classes,, class data members, member functions and does not produce any significant result
4.	Ability to apply desired class Hierarchical structure and relationships	Appropriate use of class structures like inheritance, composition, polymorphism	OOP Principles	25	Able to apply required class structure or Hierarchical structure and produce correct results	Able to apply required class structure or Hierarchical structure and produce partially correct results	Able to apply required class structure or Hierarchical structure but does not produce correct results	Able to identify required class, class Hierarchical structure or data structure but does not apply correctly	Unable to identify required class types, class Hierarchical structure or data structure
5.	Ability to perform validation	Validate input for errors and out-of range data	Testing & Debugging	10	The program works and meets all specifications. Does exceptional checking for errors	The program works and meets all specifications. Does some checking for errors and out-of range data.	The program produces correct results but does not display correctly. Does little check for	The program produces correct results but does not display correctly Does not check for	The program produces incorrect results

				and out-of- range data		errors and out-of range data	errors and out-of range data	
6.	Demonstrate understanding on program design	Demonstrate the understanding	Software Engineering Practices	**10**	Able to explain program design correctly and provide alternative solutions	Able to explain entire program design correctly	Able to explain some program design	Able to explain a little program design	Unable to explain program design
7.	Ability to produce readable program	Comment / Description	Adherence to Coding Standards	**05**	Documentation is well written and clearly explains what the code is accomplishing	Documentation is simple comments and header that is useful in understanding the code	Documentation is simple. Comments embedded in the code with header separating the code.	Documentation is simple comment in code	No documentation
8.	Ability to handle data streams	Correct use of streams	Program Logic	**10**	Streams are used perfectly and in well-formatted way.	Partially correct use of streams.	Streams are used in non-formatted way.	Poor use of steams	No use of streams