Lab Rubrics

Marking criteria can be adjusted by the teachers. Currently the marking criterion is as follows:

Lab tasks (10):

0.9x3= 2.7 (3 labs can be given a total of 0.9)

0.6x12= 7.2 (Rest of the 12 labs can be given a total of 0.6)

Grand total= 2.7+7.2= 10

Lab quiz (5):

Marks distribution for lab quiz can be divided into two or three questions by the teacher, the total however, must remain 5.

Or

Lab Project (5):

If the teacher prefers to take lab project instead of lab quiz as stated above, the rubrics for lab project are as follows:

Rubrics	Marking criteria (5)		
	Unacceptable	Adequate	Proficient
Completeness and accuracy	0	0.5	1
Demonstration	0	0.5	1
Originality	0	0.5	1
Group participation	0	0.5	1
Presentation skills	0	0.5	1

Sample Rubrics:

Software Core (Software Design and Architecture, Software Construction and Development, Web Engineering, Software Quality Engineering)

Rubrics	Marking criteria (0.6)		
	Unacceptable	Adequate	Proficient
Completeness and accuracy	0	0.1	0.2
Coding Standards	0	0.1	0.2
Reusability	0	0.1	0.2

Software Electives (Data science and analytics, Mobile Application Development, Multimedia communication, cloud computing)

Rubrics	Marking criteria (0.8)		
	Unacceptable	Adequate	Proficient
Completeness and accuracy	0	0.1	0.2
Creativity	0	0.1	0.2
Modern tool usage	0	0.1	0.2
Project idea	0	0.1	0.2

Computing Core (Programming Fundamental, Object Oriented Programming, Data Structures and Analysis, Database Systems, Operating System, Computer Networks)

Rubrics	Marking criteria (0.8)		
	Unacceptable	Adequate	Proficient
Completeness and accuracy	0	0.1	0.2
Efficiency	0	0.1	0.2
Reusability	0	0.1	0.2
Problem recognition	0	0.1	0.2

General (Introduction to Information Communication Technologies)

Rubrics	Marking criteria (0.6)		
	Unacceptable	Adequate	Proficient
Timeliness	0	0.1	0.2
Efficiency	0	0.1	0.2
Troubleshooting techniques	0	0.1	0.2

Detail description of Sample Rubrics

	PLO Mapping	Proficient	Adequate	Unacceptable
Problem Recognition		Demonstrates the ability to identify problems.	Demonstrates the ability to identify problems with some assistance.	Not able to identify any problems.
Completeness and accuracy		The lab is complete and accurate in context of implementation	The lab is mostly complete and accurate in context of its implementation.	The lab in its current state is not implementable.
Coding		The lab is	The lab is	The lab is not

Standards		implemented using coding standards	implemented using some of the coding standards	implemented using any standard
Reusability		The lab implementation supports reusability	The lab implementation supports reusability to some extent	The lab implementation supports no reusability
Creativity		The lab is implemented using innovative ideas	Some parts of lab are implemented using innovative ideas	The lab demonstrates no creativity
Modern Tool Usage		The lab is implemented employing efficient techniques.	The techniques used of database structure are acceptable.	The lab is implemented using inefficient techniques.
Project Idea		The project idea shows absolute novelty and inventiveness.	The project idea shows considerable novelty and inventiveness.	The project idea shows no attempt of creative thoughts.
Efficiency		The implemented lab requires less system resources	The implemented lab requires moderate system resources	The implemented lab requires great number of system resources
Timeliness		The lab is implemented in due time	The lab is implemented after due time	The lab never implemented
Troubleshooting Techniques		The lab is implemented using appropriate troubleshooting techniques for the recognized problems	The lab is implemented using some troubleshooting techniques for the recognized problems	The lab is implemented using no troubleshooting techniques for the recognized problems
Group Participation		The student demonstrates active participation in the group activity.	The student demonstrates considerable participation in the group activity.	The student shows no contribution at all in the group activity.
Presentation skills		The student has remarkable presentation skills.	The student has adequate presentation skills.	The student has poor presentation skills.