

**MCKV Institute of Engineering**  
**Dept. of Computer Science and Engineering**  
**Rubrics for the Final Year Project (PW CS 781 & PW CS 781)**  
**AY: 2023 - 2024**

Quality	Scoring Criteria			Weightage
	High (3)	Moderate (2)	Low (1)	
<b>Engineering knowledge (PO1)</b>	Effectively apply the basic knowledge of science and computer engineering to identify and implement solution of a problem	Partially apply the basic knowledge of science and computer engineering to identify and implement solution of a problem	Below-average application of science and computer engineering to identify and implement solution of a problem	3.33
<b>Problem analysis (PO2)</b>	Properly analyse and propose changes for improvement on basis of the analysis of the different modules or components of the project	Partially analyse and propose changes for improvement on basis of the analysis of the different modules or components of the project	Below-average skill of analysing and proposing changes for improvement on basis of the analysis of the different modules or components of the project	3.33
<b>Design/development of solutions (PO3)</b>	Effectively design/develop the solution for the identified problem and know the scope of improvement	Partially design/develop the solution for the identified problem	Below-average skill of designing/developing the solution for the identified problem	3.33
<b>Conduct investigations of complex problems (PO4)</b>	Effectively conduct the literature survey of the identified problem to propose and develop improvement over existing work or gives a new feasible solution	Partially conduct the literature survey of the identified problem to propose and develop improvement over existing work or gives a new feasible solution	Below-average skill of conducting the literature survey of the identified problem to propose and develop improvement over existing work or gives a new feasible solution	3.33
<b>Modern tool usage (PO5)</b>	Effectively use the modern tools of the computer engineering to develop solution	Partially use the modern tools of the computer engineering to develop solution	Below-average skill of using the modern tools of the computer engineering to develop solution	3.33
<b>The engineer and society (PO6)</b>	Proper understanding of the social aspect of the work, and gives valuable input for the betterment	Partial understanding of the social aspect and partial contribution to the betterment	Below-average understanding of the social aspect, and contribution to the betterment	2.00
<b>Environment and sustainability (PO7)</b>	Proper understanding of the environmental aspect of the work, and gives valuable input to design sustainable solutions	Partial understanding of the environmental and sustainability aspect	Below-average understanding of the environmental aspect	2.00
<b>Ethics (PO8)</b>	Follows proper working ethics and professional practices	Tries to follow all the working ethics and professional practices	Less in working ethics and professional practices	2.00

<b>Individual and teamwork (PO9)</b>	High contribution to the project work by doing the work he/her responsible for and gives input to the group	Partial contribution to the work	Low contribution to the work	2.00
<b>Communication (PO10)</b>	Can express his/her ideas fluently in verbal and non-verbal communication	Can express his/her ideas in verbal and non-verbal communication, but with average fluency	Below-average fluency in expression his/her idea in verbal and non-verbal communication	3.33
<b>Project management and finance (PO11)</b>	Proper understanding of time, and resource management	Partial understanding of time, and resource management	Below-average understanding of time, and resource management	2.00
<b>Life-long learning (PO12)</b>	Do extensive knowledge gathering and literature surveys to the betterment of the work	Average in knowledge gathering and literature surveys to the betterment of the work	Below-average in knowledge gathering and literature surveys to the betterment of the work	3.33