SOLUTION REQUIREMENTS (FUNCTIONAL AND NON-FUNCTIONAL)

Date	23 October 2022
Team ID	PNT2022TMID49265
Project name	Early detection of chronic kidney disease
Total marks	4

FUNCTIONAL REQUIREMENT

S.NO	FUNCTIONAL REQUIREMENTS (kidney stages)	DESCRIPTION
1	Mild CKD	GFR between 60 to 89.Your kidneys are still working well .A common sign of kidney damage is protein in your urine
2	Moderate CKD	GFR is below 30 to 59. Your kidneys do not work as well as they should filter waste and extra fluid out of your blood and cause of BP and bone disease
3	Severe CKD	GFR below 15 to 29.It is the last stage of kidney failure. It is important to take steps to slow kidney damage and plan ahead for possible treatments
4	End stage CKD	GFR less than 15.This means your kidneys are getting very close to failure or have already failed. If you kidney fail you will need to start dialysis or have a kidney transplant to live

NON-FUNCTIONAL REQUIREMENTS

S.NO	NON-FUNCTIONAL REQUIREMENT	DESCRIPTION
1	Reliability	Our result will be appropriate and easy accessible
2	Security	It is more secure and life saver
3	Availability	Model will be active and available all the time
4	Performance	Very accurate and great potential