

Model Development Phase Template

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| Date | 09 july 2024 |
| Team ID | SWTID1720193784 |
| Project Title | Early Prediction Of Chronic Kidney Disease Using Machine Learning |
| Maximum Marks | 5 Marks |

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

| Feature | Description | Selected (Yes/No) | Reasoning |
|------------|---------------------------|-------------------|---|
| Age | Patient's age in years | Yes | Age is a significant risk factor for chronic kidney disease. |
| BP | Blood pressure (mm Hg) | Yes | High blood pressure is a known risk factor for chronic kidney disease. |
| SG | Specific gravity of urine | Yes | Indicates kidney's ability to concentrate urine; important for diagnosis. |
| AL | Albumin levels in urine | Yes | High albumin levels in urine can be a sign of kidney disease. |
| SU | Sugar levels in urine | Yes | High sugar levels can be associated with diabetes, a risk factor. |

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|------------|--------------------------------------|------------|--|
| RBC | Presence of red blood cells in urine | Yes | Can indicate kidney damage. |
| PC | Pus cells in urine | Yes | Indicates infection or inflammation in the urinary tract. |
| PCC | Pus cell clumps in urine | Yes | Indicates infection or inflammation in the urinary tract. |
| BA | Bacteria in urine | No | Bacteria presence alone is not a strong predictor in this context. |
| BGR | Blood glucose random | Yes | High glucose levels can indicate diabetes, a risk factor. |