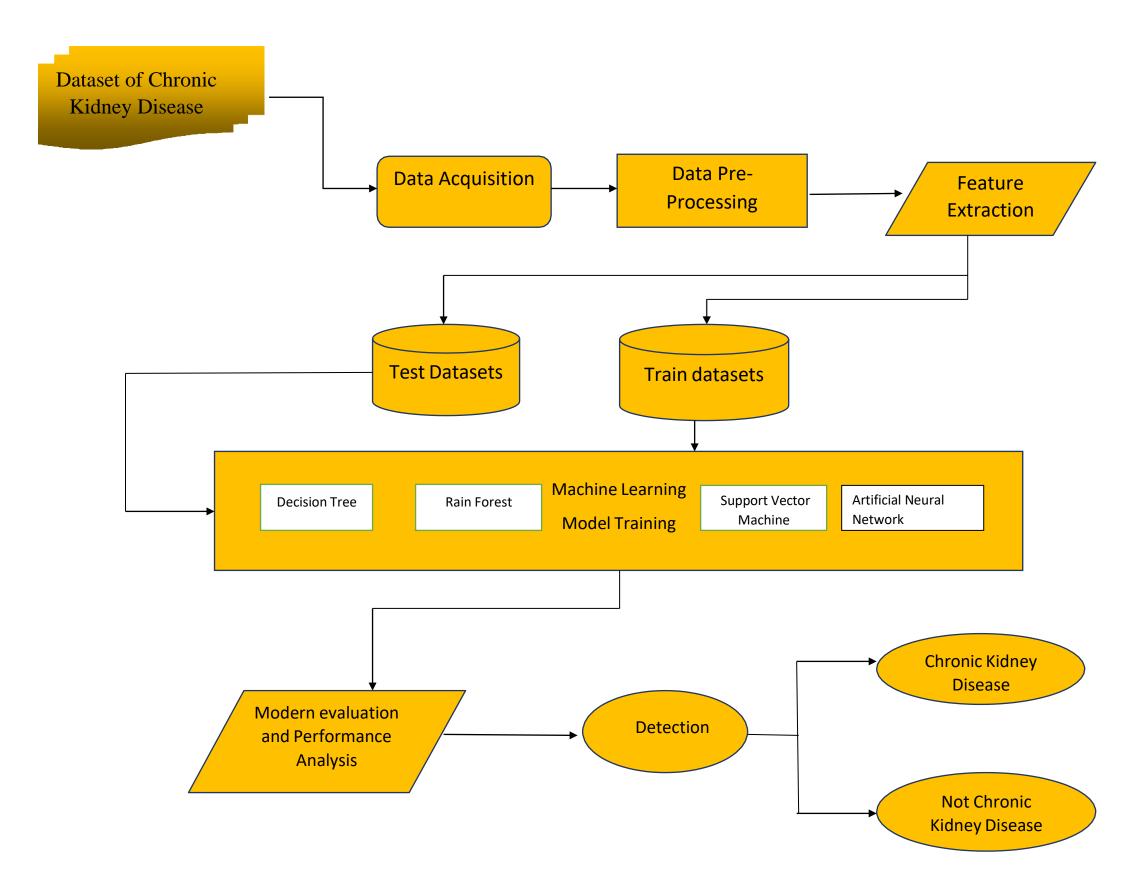
## Project Design Phase-II Technology Architecture

Date	15 October 2022	
Team ID	PNT2022TMID50020	
Project Name	Early Detection Of Chronic Kidney Disease Using Machine Learning.	
Maximum Marks	4 Marks	



**Table-1: Components & Technologies:** 

Sl. NO	COMPONENTS	DESCRIPTION	TECHNOLOGY
1	User Registration	<ol> <li>Registration through Form</li> <li>Registration through Gmail</li> <li>Registration through LinkedIn.</li> </ol>	HTML, CSS and Python flask.
2	User Confirmation	<ol> <li>Confirmation via Email</li> <li>Confirmation via OTP</li> </ol>	HTML, CSS, Python flask.
3	Data Entry	<ol> <li>Collect The data from the user</li> <li>Fill the Form</li> </ol>	HTML, CSS, My Sql, Python flask Backend Python.
4	Analysing the Data	<ol> <li>Analyse the data</li> <li>Getting their results</li> </ol>	Machine Learning Models.
5	Machine Learning Algorithms	<ol> <li>Decision Tree</li> <li>Rainforest</li> <li>Support Vector Machine</li> <li>Artificial Neural Network</li> </ol>	Based on Machine Learning Concepts.
6	Phases	<ol> <li>Testing Phase</li> <li>Training Phase</li> </ol>	Machine Learning and Deep learning concepts.

**Table-2: Application & Characteristics:** 

SL.NO	Characteristics	Description	Technology
1	Usability	<ol> <li>Preventing loss of kidney disease.</li> <li>Delaying or avoiding progression to</li> </ol>	Cloud(Open Source Platform).
2	Security	kidney failure.  1. Encrypt your data. 2. Focus the hosting service measure 3. Avoid security misconfigurations.	Encryption and Authentication.
3	Reliability	Result should be 99.99% accurate.	Web Development.
4	Performance	Compare the data with symptoms to give results.	Machine Learning and Deep Learning Neural Networks.

5	Availability	It access at any time.	Machine Learning.
_	Scalability	<ol> <li>Memory utilization.</li> <li>CPU usage.</li> </ol>	Performance Optimization.
6		3. Network input/output.	
		4. Disk input/output.	