# JIRA SOFTWARE SCREENSHOTS & REPORT ON EARLY DETECTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING

**TEAM ID: PNT2022TMID35483**

**OCTOBER 22, 2022**

## Sprint – 1:

**PNT2022T Sprint 1** 24 Oct – 29 Oct (12 issues)    0 **0** **0**    Complete sprint  ...
collect dataset from Google clean the dataset create test and save the model

| | | |
|---|---|---|
| TEAM35483-1 download dataset from Google | TO DO ˅ | |
| TEAM35483-2 clean the dataset | TO DO ˅ | |
| TEAM35483-3 import libraries | TO DO ˅ | |
| TEAM35483-4 read the dataset | TO DO ˅ | |
| TEAM35483-5 understand data type and summary of features | TO DO ˅ | |
| TEAM35483-6 handle missing values | TO DO ˅ | |
| TEAM35483-7 encoding | TO DO ˅ | |
| TEAM35483-8 splitting data into test and train | TO DO ˅ | |
| TEAM35483-9 build model | TO DO ˅ | |
| TEAM35483-10 test model | TO DO ˅ | |
| TEAM35483-11 evaluate model | TO DO ˅ | |
| TEAM35483-12 save model | TO DO ˅ | |

## Sprint – 2:

**PNT2022T Sprint 2** 31 Oct – 5 Nov (5 issues)    0 **0** **0**    Start sprint  ...
display user entry form to user and receive data as numeric values and selection from pull down menu

| | | |
|---|---|---|
| TEAM35483-13 create html files | TO DO ˅ | |
| TEAM35483-14 build python code | TO DO ˅ | |
| TEAM35483-15 run the app | TO DO ˅ | |
| TEAM35483-16 collect data from user as numeric for blood urea level and blood glucose random | TO DO ˅ | |
| TEAM35483-17 collect data from user as selection from pull down menu for anemia,coronary artery disease,pus cell,red blood c... | TO DO ˅ | |

## Sprint – 3:

**PNT2022T Sprint 3** 7 Nov – 12 Nov (3 issues)    0 **0** **0**    Start sprint  ...
allow user to select prediction and view final result

| | | |
|---|---|---|
| TEAM35483-18 allow user to select prediction | TO DO ˅ | |
| TEAM35483-19 give many testcases and view result | TO DO ˅ | |
| TEAM35483-20 compare correctness of the result from csv file | TO DO ˅ | |

## Sprint – 4:

**PNT2022T Sprint 4** 14 Nov – 19 Nov (4 issues)    0 **0** **0**    Start sprint  ...
deploy model into IBM cloud

| | | |
|---|---|---|
| TEAM35483-21 Register into ibm cloud account | TO DO ˅ | |
| TEAM35483-23 login into IBM cloud account | TO DO ˅ | |
| TEAM35483-24 Train ML model on IBM | TO DO ˅ | |
| TEAM35483-25 Integrate Flask with Scoring End point | TO DO ˅ | |

## [TEAM35483-1] download dataset from Google
Created: 20/Oct/22  Updated: 22/Oct/22

| | |
|---|---|
| **Status:** | To Do |
| **Project:** | PNT2022TMID35483 |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| | | | |
|---|---|---|---|
| **Type:** | Story | **Priority:** | Medium |
| **Reporter:** | Arun Depak | **Assignee:** | Unassigned |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original estimate:** | Not Specified | | |

| | |
|---|---|
| **Sprint:** | PNT2022T Sprint 1 |
| **PNT2022TMID35483 assigned to:** | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| **Rank:** | 0\|hzzzzz: |

## [TEAM35483-2] clean the dataset Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 1 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i00007: |

## [TEAM35483-3] import libraries Created: 20/Oct/22  Updated: 22/Oct/22

| | |
|---|---|
| **Status:** | To Do |
| **Project:** | PNT2022TMID35483 |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| | | | |
|---|---|---|---|
| **Type:** | Story | **Priority:** | Medium |
| **Reporter:** | Arun Depak | **Assignee:** | Unassigned |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original estimate:** | Not Specified | | |

| | |
|---|---|
| **Sprint:** | PNT2022T Sprint 1 |
| **PNT2022TMID35483 assigned to:** | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| **Rank:** | 0|i0000f: |

## [TEAM35483-4] **read the dataset** Created: 20/Oct/22 Updated: 22/Oct/22

| | |
|---|---|
| **Status:** | To Do |
| **Project:** | PNT2022TMID35483 |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| | | | |
|---|---|---|---|
| **Type:** | Story | **Priority:** | Medium |
| **Reporter:** | Arun Depak | **Assignee:** | Unassigned |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original estimate:** | Not Specified | | |

| | |
|---|---|
| **Sprint:** | PNT2022T Sprint 1 |
| **PNT2022TMID35483 assigned to:** | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| **Rank:** | 0\|i0000n: |

## [TEAM35483-5] understand data type and summary of features Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 1 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0000v: |

## [TEAM35483-6] handle missing values Created: 20/Oct/22 Updated: 22/Oct/22

| Status: | To Do |
| --- | --- |
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
| --- | --- | --- | --- |
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 1 |
| --- | --- |
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i00013: |

## [TEAM35483-7] encoding Created: 20/Oct/22 Updated: 22/Oct/22

| | |
|---|---|
| **Status:** | To Do |
| **Project:** | PNT2022TMID35483 |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| | | | |
|---|---|---|---|
| **Type:** | Story | **Priority:** | Medium |
| **Reporter:** | Arun Depak | **Assignee:** | Unassigned |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original estimate:** | Not Specified | | |

| | |
|---|---|
| **Sprint:** | PNT2022T Sprint 1 |
| **PNT2022TMID35483 assigned to:** | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| **Rank:** | 0\|i0001b: |

## [TEAM35483-8] splitting data into test and train  Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 1 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0001j: |

## [TEAM35483-9] build model Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 1 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0001r: |

## [TEAM35483-10] test model Created: 20/Oct/22 Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 1 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0001z: |

## [TEAM35483-11] evaluate model Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 1 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i00027: |

**[TEAM35483-12]** **save model** Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 1 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0002f: |

**[TEAM35483-13] create html files** Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 2 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0\|i0002n: |

## [TEAM35483-14] build python code Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 2 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0002v: |

**[TEAM35483-15] run the app** Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 2 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i00033: |

## [TEAM35483-16] collect data from user as numeric for blood urea level and blood glucose random Created: 20/Oct/22 Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 2 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0003b: |

## [TEAM35483-17] collect data from user as selection from pull down menu for anemia,coronary artery disease,pus cell,red blood cell,diabetes,pedal edema

Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 2 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0003j: |

## [TEAM35483-18] allow user to select prediction Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 3 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0003r: |

## [TEAM35483-19] give many testcases and view result  Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 3 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0003z: |

## [TEAM35483-20] compare correctness of the result from csv file Created: 20/Oct/22 Updated: 20/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 3 |
|---|---|
| Rank: | 0|i00047: |

**[TEAM35483-21] Register into ibm cloud account** Created: 20/Oct/22 Updated: 22/Oct/22

| Status: | To Do |
| --- | --- |
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
| --- | --- | --- | --- |
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 4 |
| --- | --- |
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0004f: |

**[TEAM35483-23] login into IBM cloud account** Created: 20/Oct/22  Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 4 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0004n: |

## [TEAM35483-24] Train ML model on IBM Created: 20/Oct/22 Updated: 22/Oct/22

| Status: | To Do |
|---|---|
| Project: | PNT2022TMID35483 |
| Components: | None |
| Affects versions: | None |
| Fix versions: | None |

| Type: | Story | Priority: | Medium |
|---|---|---|---|
| Reporter: | Arun Depak | Assignee: | Unassigned |
| Resolution: | Unresolved | Votes: | 0 |
| Labels: | None | | |
| Remaining Estimate: | Not Specified | | |
| Time Spent: | Not Specified | | |
| Original estimate: | Not Specified | | |

| Sprint: | PNT2022T Sprint 4 |
|---|---|
| PNT2022TMID35483 assigned to: | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| Rank: | 0|i0004v: |

## [TEAM35483-25] Integrate Flask with Scoring End point

Created: 20/Oct/22  Updated: 22/Oct/22

| | |
|---|---|
| **Status:** | To Do |
| **Project:** | PNT2022TMID35483 |
| **Components:** | None |
| **Affects versions:** | None |
| **Fix versions:** | None |

| | | | |
|---|---|---|---|
| **Type:** | Story | **Priority:** | Medium |
| **Reporter:** | Arun Depak | **Assignee:** | Unassigned |
| **Resolution:** | Unresolved | **Votes:** | 0 |
| **Labels:** | None | | |
| **Remaining Estimate:** | Not Specified | | |
| **Time Spent:** | Not Specified | | |
| **Original estimate:** | Not Specified | | |

| | |
|---|---|
| **Sprint:** | PNT2022T Sprint 4 |
| **PNT2022TMID35483 assigned to:** | Adithyaa Jagannathan Sudhakar, Arun Depak, Kaviyarasan K, Sai Krishnan |
| **Rank:** | 0|i00053: |