**Project Assignment No: 01**

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**Problem Statement:**

To develop the problem under consideration and justify feasibility using the concept of knowledge canvas and IDEA matrix**.**

**Learning Objectives:**

* Understand the concept of IDEA matrix
* Understand the purpose of feasibility analysis

**Learning Outcomes:**

* Check feasibility of the proposed system
* Add functionality to the system

**Theory:**

**IDEA Matrix:**

|  |  |  |  |
| --- | --- | --- | --- |
| **I** | **D** | **E** | **A** |
| Increase Accuracy | Drive Diagnosis | Educate users | Accelerate processing |
| Improve Reliability | Deliver Performance | Evaluate Results | Associate Tools |
| Ignore Compatibility  Risks | Decrease Complexity  Issues | Eliminate Errors | Avoid updation  Errors |

* To increase accuracy and reliability, we are implementing various Predictive Coding Algorithm to obtain the best results.
* Ignore compatibility risk by running the utilities in most basic configurations.
* Decrease compatibility issues by diagnosing the system.
* Deliver performance by implementing neural networks and machine learning algorithms over the manual detection system.
* Results are evaluated and compared to eliminate errors.

**Conclusion:**

Hence, we understood the problem statement and prepared IDEA matrix.