**Ideation Phase**

**Literature Survey**

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| Date | 19 October 2022 |
| Team ID | PNT2022TMID31649 |
| Project Name | A Novel Method for Handwritten Digit Recognition System |

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| S No | Published Year | Paper Title | Authors | Technology |
| 1 | 2022 | SnapSolve — A Novel Mathematics Equation Solver using Deep Learning | Priyank Shah,  Nitiket Shinde,  Deep Limbad,  Ashwini Save | Handwritten Text Recognition, Machine Learning, Deep Learning, Optical Character Recognition (OCR), Streamlit |
| 2 | 2021 | A Novel Learning Algorithm to Optimize Deep Neural Networks: Evolved Gradient Direction Optimizer (EVGO) | Ibrahim Karabayir,  Oguz Akbilgic,  Nihat Tas | CNN,  Deep Learning,  Evolved gradient direction optimizer (EVGO), handwritten digit recognition,  Machine learning |
| 3 | 2020 | Electro – Optical Neural Networks Based on Time – Stretch Method | Yubin Zang,  Minghua Chen,  Sigang Yang,  Hongwei Chen | Electro – optical neural networks, time – stretch method, handwriting digit recognition |
| 4 | 2019 | Parameterization of the Acceleration Signals Recorded During Handwriting | Barbara Wilk,  Malgorzata Augustyn | Accelerometer,  Handwriting,  Digit signal processing |
| 5 | 2018 | Neural Network Knowledge Transfer using Unsupervised Similarity Matching | Nikolaos Passalis,  Anastasios Tefas | CNN,  Neural network, Unsupervised similarity matching |