



# PANIMALAR ENGINEERING COLLEGE

**An Autonomous Institution**

**[JAISAKTHI EDUCATIONAL TRUST]**

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## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

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| S. NO. | NAME OF INVENTOR(S)          | DIARY NO        | TITLE OF THE WORK                                                                                                             | CLASS OF WORK                 | DATE       | STATUS  |
|--------|------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------|---------|
| 1      | Dr. K.Jayashree , et., al.,  | 20201/2023-CO/L | AI-Throat Health                                                                                                              | Literary/<br>Dramatic<br>work | 02.08.2023 | GRANTED |
| 2      | Dr. K.Jayashree et., al.,    | 24789/2023-CO/L | AI based skin health application                                                                                              | Literary/<br>Dramatic<br>work | 15.09.2023 | GRANTED |
| 3      | Dr.S.Chakaravarthi et., al., | 25926/2023-CO/L | Integrating Machine Learning for Behavior recognition and real time police alert system using intelligent surveillance system | Literary/<br>Dramatic<br>work | 15.11.2023 | GRANTED |
| 4      | Dr.P.Kavitha et., al.,       | L-133586/2023   | Empowering Inclusive knowledge Access A device for individual with physical disabilities                                      | Literary/<br>Dramatic<br>work | 25.09.2023 | GRANTED |
| 5      | Ms. S.Vimala, et., al.,      | 20030/2023-CO/L | The invincible flow of current and infinite use of current from renewable resource for domestic applications.                 | Literary/<br>Dramatic<br>work | 21.12.2023 | GRANTED |
| 6      | Dr. M.S.Maharajan, et., al., | L-145042/2024   | Nasal Sentinel System Augmenting Security through human factory detection                                                     | Literary/<br>Dramatic<br>work | 15.3.2024  | GRANTED |
| 7      | Dr. M.S.Maharajan, et., al., | L-141201/2024   | AI Enabled Hierarchical Control system for performance optimization via                                                       | Literary/<br>Dramatic<br>work | 16.1.2024  | GRANTED |

|    |                        |                   |                                                                                                                     |                         |            |         |
|----|------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------|------------|---------|
|    |                        |                   | integrated energy source                                                                                            |                         |            |         |
| 8  | Mr. C.Vivek, et., al., | 25509/2023-CO/L   | Intelligent Road Anomaly Detection And Driver Assistance System : Machine Learning pproach For Enhanced Road Safety | Literary/ Dramatic work | 20.11.2023 | GRANTED |
| 9  | Mr. C.Vivek, et., al., | 25758/2023-CO/L   | Optimizing Genome Editing : Fusion Of Crispr And Ensemble Learning For Enhanced Precision And Efficiency            | Literary/ Dramatic work | 21.11.2023 | GRANTED |
| 10 | Mr. C.Vivek, et., al., | 24075/2023-CO/L   | Innovative battery bridging technology for Ultra-fast all-electric applications                                     | Literary/ Dramatic work | 08.11.2023 | GRANTED |
| 11 | Mr. C.Vivek, et., al., | 20053/2023 - CO/L | Holo Drive: Immersive Holographic Navigation o f or Self-Driving Cars                                               | Literary/ Dramatic work | 21.12.2023 | GRANTED |
| 12 | Mr. C.Vivek, et., al., | 20738/2023-CO/L   | Enhancing Fuel Injector Manufacturing Through Spectrogram - Based Acoustic Inspection And Classification            | Literary/ Dramatic work | 21.09.2023 | GRANTED |
| 13 | Mr. C.Vivek, et., al., | 20154/2023-CO/L   | Retina Scan Authentication Methodology For Card Payments In Retail Outlets                                          | Literary/ Dramatic work | 22.12.2023 | GRANTED |
| 14 | Mr. C.Vivek, et., al., | 6977/2024-CO/L    | Contextualvid: video translation, Summarization, and content generation                                             | Literary/ Dramatic work | 07.03.2024 | GRANTED |
| 15 | Mr. C.Vivek, et., al., | 27038/2023-CO/L   | Automated Gas Leak Mitigation System For Industrial Safety                                                          | Literary/ Dramatic work | 29.01.2024 | GRANTED |
| 16 | Mr. C.Vivek ,et., al., | 24833/2023-CO/SW  | Human Eye Power Prediction Using Machine                                                                            | Literary/ Dramatic work | 07.02.2024 | GRANTED |

|    |                        |                 |                                                                                                |                         |            |         |
|----|------------------------|-----------------|------------------------------------------------------------------------------------------------|-------------------------|------------|---------|
|    |                        |                 | Learning Techniques                                                                            |                         |            |         |
| 17 | Mr. C.Vivek ,et., al., | 33711/2023-CO/L | Pure Flow Ai Water Purity Kit Using Machine Learning Algorithm                                 | Literary/ Dramatic work | 20.03.2024 | GRANTED |
| 18 | Mr. C.Vivek ,et., al., | 3633/2024-CO/L  | Donor Connect : A Humanitarian Application Accessible On Ios And Android                       | Literary/ Dramatic work | 20.03.2024 | GRANTED |
| 19 | Mr. C.Vivek ,et., al., | 2154/2024-CO/L  | VR-Enhanced Learning Application For Children With Autism                                      | Literary/ Dramatic work | 21.03.2024 | GRANTED |
| 20 | Mr. C.Vivek ,et., al., | 7830/2024-CO/L  | News Reporting And Detecting Bot Using NLP                                                     | Literary/ Dramatic work | 18.04.2024 | GRANTED |
| 21 | Ms. R.Priya ,et., al., | L-142939/2024   | Optimal Mapping and Traffic control system for ambulance using Artificial intelligence &TCP/IP | Literary/ Dramatic work | 18.04.2024 | GRANTED |