



# PANIMALAR ENGINEERING COLLEGE

**An Autonomous Institution**

**[JAISAKTHI EDUCATIONAL TRUST]**

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**All Eligible UG Programs are Accredited by NBA**

Bangalore Trunk Road, Varadharajapuram, Poonamallee, Chennai- 600 123

## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

### PATENTS

**AY 2024-25**

| S. NO. | NAME OF THE INVENTOR(S)               | TITLE OF INVENTION                                                               | DATE OF FILING | PATENT NO. (OR) APPLICATION NO | STATUS PUBLISHED/ GRANTED |
|--------|---------------------------------------|----------------------------------------------------------------------------------|----------------|--------------------------------|---------------------------|
| 1.     | Dr. M. Vidhyasree, et., al.,          | AI Based Device For Detection Of Parkinson's Disease                             | 17.10.2024     | 434622-001                     | GRANTED                   |
| 2.     | Ms. Vidhya Muthulakshmi. R, et., al., | Device To Detect Emotions Of A Neurologic Patient                                | 29.08.2024     | 428696-001                     | GRANTED                   |
| 3.     | Dr. W.Gracy Theresa, et., al.,        | Wireless emotion detection system                                                | 28.06.2024     | 421556-001                     | GRANTED                   |
| 4.     | Mrs. P.Misba Marybai, et., al.,       | IOT Based Automatic Robotic Waste Bin                                            | 07.10.2024     | 433108-001                     | GRANTED                   |
| 5.     | Dr. M. Vidhyasree, et., al.,          | IOT Based Air Quality Monitoring Device                                          | 06.11.2024     | 436595-001                     | GRANTED                   |
| 6.     | Dr. M. Vidhyasree, et., al.,          | AI Based Detection Device for Cardiac Disease                                    | 14.12.2024     | 440635-001                     | GRANTED                   |
| 7.     | Dr. Leelavathy S, et., al.,           | AI Based Plant Extract Analysing Device To Identify Disease                      | 15.11.2024     | 437482-001                     | GRANTED                   |
| 8.     | Dr.A.Joshi et.al.,                    | Smart Vision Aid                                                                 | 01/04/2025     | 202541028338                   | PUBLISHED                 |
| 9.     | Mrs. P.Misba Marybai, et., al.,       | Enhanced Real-Time Fraud Detection in Financial Transactions Using Deep Learning | 29.08.2024     | 202441065146                   | PUBLISHED                 |

|      |                                 |                                                                                                                |            |              |           |
|------|---------------------------------|----------------------------------------------------------------------------------------------------------------|------------|--------------|-----------|
| 10.  | Mrs. P.Misba Marybai, et., al., | Intelligent Path Travel Cost Estimation in Large-Scale Networks Using Advanced Machine Learning                | 26.08.2024 | 202441064131 | PUBLISHED |
| 11.. | Ms. Shyamala P, et., al.,       | Early Plant Disease Detection in Agriculture by Integrating IOT, Machine Learning And Deep Learning Techniques | 29.09.2024 | 202441073553 | PUBLISHED |