



**P.B.R. VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE  
(AUTONOMOUS)**

*(Affiliated to J.N.T.U.A, Approved by AICTE and Accredited by NAAC)*

**KAVALI – 524201, S.P.S.R Nellore Dist., A.P. India. Ph: 08626-243930**



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

## **LIST OF PATENTS FILED BY FACULTY**

| <b>S. No.</b> | <b>Name of the Faculty</b> | <b>Application /Patent No</b> | <b>National / International</b> | <b>Year</b> | <b>Title of Invention / Patent</b>   |
|---------------|----------------------------|-------------------------------|---------------------------------|-------------|--|
| 1             | Dr. D. Likith Reddy        | 202341060083                  | International                   | 07.09.2023  | Advanced Road Pothole Detection System Using Convolutional Neural Networks   |
| 2             | Dr. R. Sravanthi           | 202341060083                  | International                   | 07.09.2023  | Advanced Road Pothole Detection System Using Convolutional Neural Networks   |
| 3             | Dr. S. Penchala Reddy      | 202341060083                  | International                   | 07.09.2023  | Advanced Road Pothole Detection System Using Convolutional Neural Networks   |
| 4             | Dr. V. Pakasam             | 202341060083                  | International                   | 07.09.2023  | Advanced Road Pothole Detection System Using Convolutional Neural Networks   |
| 5             | Dr. MD. Hayath Razvee      | 202341060083                  | International                   | 07.09.2023  | Advanced Road Pothole Detection System Using Convolutional Neural Networks   |
| 6             | Dr. N. Satheesh Kumar      | 202341060083                  | International                   | 07.09.2023  | Advanced Road Pothole Detection System Using Convolutional Neural Networks   |
| 7             | Mr. RS Prathap Singh       | 202341060083                  | International                   | 07.09.2023  | Advanced Road Pothole Detection System Using Convolutional Neural Networks   |
| 8             | Mr. V. Narayna Reddy       | 202341060083                  | International                   | 07.09.2023  | Advanced Road Pothole Detection System Using Convolutional Neural Networks   |
| 9             | Mrs. C V Kavya Suvarchala  | 202341060083                  | International                   | 07.09.2023  | Advanced Road Pothole Detection System Using Convolutional Neural Networks   |
| 10            | Dr. A.Maheswara Reddy      | 202311004754                  | International                   | 03.02.2023  | Touchpad Braille System for Blinds   |
| 11            | Mr. Anjaiah Vasipalle      | 202241076925 A                | International                   | 06.01.2023  | Design of face detection and tracking using image processing on Raspberry Pi |



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|    |                              |                    |               |            |   |
|----|------------------------------|--------------------|---------------|------------|---|
| 12 | Mrs.Nagamalli<br>Arasavalli  | 2022410359<br>92 A | International | 22.07.2022 | Development of non invasive metal oxide semiconductor nanocomposite Gas sensor to detect diabetes using exhaled breath analysis |
| 13 | Dr.<br>A.Maheswara<br>Reddy  | 2022410278<br>92 A | International | 03.06.2022 | Efficient client side deduplication of encrypted data with public auditing in cloud storage                                     |
| 14 | Mr. M. Rama<br>Mohan Reddy   | 2020410465<br>14   | International | 13.11.2020 | Inha-Combined Health Monitoring: Intelligent IOT Based Combined Health Monitoring, Notification, Home Automation System.        |
| 15 | Mr. CH.<br>Amarnath<br>Sarma | 2020410465<br>14   | International | 13.11.2020 | Inha-Combined Health Monitoring: Intelligent IOT Based Combined Health Monitoring, Notification, Home Automation System.        |
| 16 | Mr. CH.<br>Amarnath<br>Sarma | 2020410422<br>72   | International | 09.10.2020 | Noven Inter Digital Band Pass Filtenna for L-Band & S-Band Wireless Applications  |
| 17 | Dr. M. R.<br>Arun            | 2018103663<br>3    | International | 05.10.2018 | UHD Video Compression Using Hybrid Transform DTT-DWT  |