



## VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous, ISO 9001:2015 & QS1-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade  
NBA Accreditation for B.Tech. CE,EEE,ME,ECE,CSE,EIE,IT,AME, M.Tech. STRE, PE, AMS, SWE Programmes  
Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF (2022) 113<sup>th</sup> Rank in Engineering Category  
College with Potential for Excellence by UGC, JNTUH-Recognized Research Centres: CE,EEE,ME,ECE,CSE  
Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O.), Hyderabad – 500 090, TS, India.  
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### Department of CSE-AIML & IoT

| SI No | Name Of Inventor   | Title of Invention   | Patent File Number | Date Of Filing | Status    |
|-------|--|--|--------------------|----------------|-----------|
|       | <b>Dr. A. Harshavardhan</b>  | <b>Lung Cancer Detection</b>   | <b>391256-001</b>  | 26/07/2023     | Published |
|       | <b>Dr. A. Harshavardhan</b>  | Cloud Data Center Cooling System   | 398905-001         | 01/11/2023     | Published |
|       | <b>Naga Durga Saili Korukonda</b>  | Smart Device For Mental Health Assessment  | 6337690            | 17/01/2024     | Published |
|       | <b>Jyotsnarani Tripathy</b>  | Artificial Intelligence Based Network Intrusion Detection                              | 404639-001         | 15/01/2024     | Published |
|       | <b>Dr. A. Harshavardhan</b>  | IoT-Integrated Smart Glasses Frame   | 398818-001         | 30/10/2023     | Published |
|       | P. Rohith Kumar Vasista<br>Satyankar Rao Pariki<br>Saradhi Dharani<br>Bhupesh Deka<br>Dr Sitanath Biswas<br>A. Sindhu Reddy<br>Dr.Sagar Yeruva | Real-time health and environment monitoring system for underground coal mining workers | 202341053453       | 09/08/2023     | Published |



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|   |  |  |              |            |                                   |
|---|--|--|--------------|------------|-----------------------------------|
| 1 | Miss Shubhashree Sahoo,<br>Dr. Sitanath Biswas, Dr.<br>N. Sandhya, Mr.<br>B.Venkatesh Reddy, Ms.<br>Sayeedakhanum Pathan,<br>Mr. Sahith Battula  | Ai based device to<br>prevent early cervical<br>spondylosis among<br>computer<br>users   | 202341018801 | 31/03/2023 | Applied<br>for<br>Examinati<br>on |
| 2 | Dr. Sitanath Biswas, Dr.<br>N.Sandhya, Dr. Gujjeti<br>Nagraju, Mr. B.Venkatesh,<br>Ms Preety Singh   | Ocr and deep<br>learning-based<br>plagiarism detection<br>device for telugu<br>language  | 202341024498 | 31/03/2023 | Applied<br>for<br>Examinati<br>on |
| 3 | Dr.Sitanath Biswas<br>Mr. Bhupesh Deka<br>Dr.Sandhya Nadella<br>Dr. G. Nagaraju<br>Mr B Venkatesh  | Ai and Nlp system for<br>automatic generation of<br>multilingual minutes of the<br>meeting   | 202341007218 | 04/02/2023 | Published                         |
| 3 | Dr.Sagar Yeruva,<br>Dr. Krishna Prasad,<br>Dr. T. Sunil Kumar,<br>Dr. Deepak Sukheja,<br>Mr. P. Venkateswara Rao,<br>Dr. Brahmananda Reddy,<br>Dr. Kousar Nikhath. A,<br>Dr. D. N. Vasundhara,<br>Mr. G. S. Ramesh,<br>Mrs. V. Baby,<br>Mr. Ankit Raj Gaddam | design &<br>development of a smart<br>system to analyze the<br>impact of covid-19 on<br>respiratory system using<br>machine learning | 202141017531 | 23/04/2021 | Published                         |
| 4 | Dr. K. Sudha Rani<br>Dr. R. Manjula Sri<br>Dr. T. Nireekshana<br>Dr Shuchi Tiwari<br>K. Mani Kumari,<br>Dr. N. Sandhya,<br>Dr. N. Managathayaru<br>K. Vijay Chandra,<br>Naregalkar Akshay<br>Dr. A. Giriprasad   | Motorized Ankle Foot<br>Driven Customized<br>Prosthetic Leg with<br>Exoskeleton  | 2.02141E+11  | 04-08-2021 | Published                         |
| 5 | Dr. M. Raja Sekar<br>Dr.N.Sandhya, Dr.<br>P. Neelakantan<br>Dr. P. V. Siva Kumar.<br>Dr. G. Suresh Reddy,<br>Dr. P. Subash<br>Mr.M. Gangappa   | TPM- Crowd funding:<br>Trusted Crowd funding<br>Platform Using a Smart<br>Contract and AI- Based<br>Management System                | 202141052903 | 17/11/2021 | Published                         |



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|---|---|---|--------------|------------|-----------|
| 6 | Dr.Y.Sagar Dr. Krishna Prasad Dr. T. Sunil Kumar Dr. Deepak Sukheja Mr. P. Venkateswara Rao Dr. Brahmananda Reddy A Dr. Kousar Nikhath.A Dr. D. N. Vasundhara Mr. G. S. Ramesh Mrs. V. Baby Mr. Ankit Raj Gaddam  | Design & development of a smart system to analyze the impact of covid-19 on respiratory system using machine learning | 202141017531 | 23/04/2021 | Published |
| 7 | V. Baby, Dr. S. Nagini, K. Jhansi Laksmi Bai, Dr. Sagar Yeruva, G. Yashwanth, B. Janaki Ram, A. Rikhila, Dr. D. N. Vasundhara, N.V. Sailaja, A. Madhavi   | Virtual mom-responsive baby monitoring toy  | 202141020965 | 11-06-2021 | Published |
| 8 | Dr. Deepak Sukheja, Dr. Umesh Kumar Singh, Dr. T. Sunil Kumar, Dr. P. V. Siva kumar, Dr. Sagar Yeruva, Mrs. Priya Bhatnagar, Mr. N. Sandeep Chaitanya, Dr. Santosh Kumar Choudhary, Dr. Prateek Sharma, Dr. Lokesh Kumar Laddhani, Dr. Bhupendra Kumar Pandya | Gps and Encryption based multi-check authentication processfor preventing fraud transaction                           | 202141044509 | 08-10-2021 | Published |
| 9 | DR.N.SANDHYA<br>DR. M. RAJA SEKAR<br>DR. ASHISH KUMAR CHAKRAVERTI(HOD)<br>VIVEK KUMAR<br>P. ILA CHANDANA KUMARI<br>PROF. DR. YASHPAL SINGH  | Computer Cache Memory Performance Enhance Using Neural Networks and Machine Learning                                  | 202041001789 | 17/01/2020 | Published |



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|    | Dr. Deepak Sukheja<br>Dr. G. Ramesh Chandra<br>Dr. N. Sandhya,<br>Dr. B. V. Kiranmayee,<br>D. Ramesh Reddy  | Sheltered Driving System<br>for Automotive vehicles for<br>streamlined operation on<br>roads with adherence to<br>extant rules and regulations | 202041045360 | 13/11/2020 | Published |
| 10 | S.kranthi kumar<br>Dr. B.v. kiranmayee<br>Dr. S.nagini<br>Dr. Chalumuru Suresh<br>V.baby<br>K. jhansi lakshmi bai<br>Sravani nalluri sravani<br>Nalluri dr.a.kousar<br>Nikhath p.radhika<br>Motupalli ravikanth<br>Venkata naga raju thatha | critical patients m<br>monitoring device: critical<br>patientsâ€™m monitoring<br>using machine learning<br>feature selection technique         | 202041023578 | 12-06-2020 | Published |