

Published Patents			
IPO ID	Invention Title	Name(s) of the Inventor(s)	Date of Publication
SAS			
202141026740	Py-Digital Writing Pad (Python Based Motion Sensing Digital Writing Pad)	Dr. Santanu Mandal, VIT-AP University Mr. Tathagat Banerjee, VIT-AP University Mr. Amandeep Sharma, VIT-AP University Ms. Rasmika Billa, VIT-AP University Ms. K Charvi, VIT-AP University	25-06-2021
202141037208	IR Based Bio-Waste Disposal Machine	Dr. Sabeel M Basheer, VIT-AP University Dr. Sudesh Manger, VIT-AP University	27-08-2021
202141029302	A Method for Synthesis of Stoichiometric CUINO ₂ Nano Crystalline Powder	Mr. Chebrolu Lakshmi Rajesh, VIT-AP University Dr. Madhusudhana Rao N, VIT-AP University	10-09-2021
202141057233	A Novel Circuit-Based Synaptic Memristor for Neuromorphic Computing	Mrs. Nune Pratyusha, VIT-AP University Dr. Santanu Mandal, VIT-AP University	17-12-2021
202141058595	Reunion of Photothermal Therapy with MXene Adsorbed Uremic Toxins and Cytokines: A Shield for COVID-19 Patients	Ms. Subhasree Panda, VIT-AP University Dr. S. K. Khadheer Pasha, VIT-AP University	31-12-2021
202141058592	Novel Ferroelectric and Semimetal Nanocomposite Tape for Supercapacitor and Sensing Applications	Mr. Y. Ravi Kumar, VIT-AP University Dr. S. K. Khadheer Pasha, VIT-AP University Dr. V. R. K Murthy, VIT-AP University	31-12-2021
202141058593	Ternary-layered MAX-phase and Highly Flexible Polymer Nanocomposite for Fabricating Advance Sensor for Environmental Safety	Ms. Priyanka Rani, VIT-AP University Dr. S. K. Khadeer Pasha, VIT-AP University	31-12-2021
202141060887	Mesh-free Multilevel Iterative Algorithm for Navier-Stokes Equations	Dr. Nikunja Bihari Barik, VIT-AP University Dr. T.V.S. Sekhar, IIT Bhubaneswar	14-01-2022

202141056407	Automotive Drone-based Multitasking Device with Intelligent Tracking System for Agriculture and Plantation	Dr. Santanu Mandal, VIT-AP University Mr. Srimon Soondar Dey, VIT-AP University Dr. Y. V. Pavan Kumar, VIT-AP University Mr. Tathagat Banerjee, VIT-AP University Mr. Kollipara Sainadh, VIT-AP University Mr. Mallela Jayadeep, VIT-AP University Mr. Mohammed Suhail, VIT-AP University	11-02-2022
202341009050	Touchless Automated Ticket Booking System Using Hand Gestures and Speech Recognition	Dr. Santanu Mandal, VIT-AP University Ms. Tarini Guttula, VIT-AP University Ms. Harichandana Srikrumum, VIT-AP University Mr. Srimon Soondar Dey, VIT-AP University	24-02-2023
202341019160	Surface Modified Anodic TiO ₂ Nanotube Arrays with Cu Nanoparticles for the Selective Detection of CO ₂ Gas	Dr. Manmadharao Banki, VIT-AP University Dr. Nuthakki Venkata Rajasekhar, VIT-AP University Mrs. Gangapalli Gousiya Bhanu, VIT-AP University	31-03-2023
202341022988	Highly Aligned Anodic TiO ₂ Nanotube Arrays for Hydrophobic Coatings	Dr. Manmadha Rao Banki, VIT-AP University Mrs. Gangapalli Gousiya Bhanu, VIT-AP University	28-04-2023
202341026347	Multipurpose Solar Umbrella with Fan, LED, Water Sprinkler and Temperature Sensor	Ms. Megha Unni, VIT-AP University Dr. Sudagar J, VIT-AP University Dr. Manmadha Rao Banki, VIT-AP University	05-05-2023
202341030447	Solar Driven Water Assisted Crystallization of Amorphous Anodic TiO ₂ Nanotubes	Mr. Raghavendra Garlapally, VIT-AP University Ms. Niharika M P, VIT-AP University Ms. Manasa Velaga, VIT-AP University Mr. Kushal Ruthvik Kaja, VIT-AP University Dr. Manmadha Rao Banki, VIT-AP University	26-05-2023
202341031096	Chromium Free Conversion Coating of Aluminium Alloys	Dr. J SUDAGAR, VIT-AP University Dr. A. SELVAKUMAR, VIT Chennai	16-06-2023
202341031297	Surface Modified BaTiO ₃ Nanotubes with Cu Nanoparticles for Selective Detection of Glucose	Mrs. Ganganapalli Gousiya Bhanu, VIT-AP University Dr. Manmadharao Banki, VIT-AP University	18-08-2023

202341032533	Chromium Free Conversion Coating of Magnesium Alloys	Dr. J SUDAGAR, VIT-AP University Dr. A. SELVAKUMAR, VIT Chennai	18-08-2023
202341046388	Oxygenation of Human Blood on Surface Modified TiO ₂ Nanotubes Through Photo-catalytic Activity: A Way to Artificial Lung Assisted Device	Mr. Raghavendra Garlapally, VIT-AP University Dr. Manmadha Rao Banki, VIT-AP University	01-09-2023
202341051513	Novel design and method for electricity generation using the vertical motion of fins mounted on the hull of a boat or ship	Dr. Santanu Mandal, VIT-AP University Mr. Chinmay Raut, VIT-AP University Mr. Soumyadip Chowdhuri, VIT-AP University Mr. Aravindan V, VIT-AP University	01-09-2023
202341045894	Free standing and Spaced Anodic TiO ₂ Nanotubes Based Hydrophobic Coatings for Self-cleaning Application.	Mrs. Ganganapalli Gousiya Bhanu, VIT-AP University Dr. Manmadharao Banki, VIT-AP University	01-09-2023
202341062911	Autonomous Weed Removal and Collector Robot with Automatic Lane Tracking System	Dr. Santanu Mandal, VIT-AP University Mr. Sourav Dhansukh Patil, VIT-AP University Mr. Chinmay Raut, VIT-AP University	06-10-2023
202341067944	Anodic Granular Zinc Oxide Nanorods for Non-enzymatic Glucose Sensing Application.	Dr. Manmadha Rao Banki, VIT-AP University Ms. Niharika MP, VIT-AP University	20-10-2023
202341071693	Anodic Self Aligned Copper Oxide Nanoflakes for the Application of Non-Enzymatic Glucose Sensing	Ms. Niharika M P, VIT-AP University Dr. Manmadha Rao Banki, VIT-AP University	01-12-2023
202341056253	Ultrafast Crystallization of Amorphous Anodic TiO ₂ Nanotubes Through Microwave Assisted Hydrothermal Technique	Dr. Manmadha Rao Banki, VIT-AP University Mr. Raghavendra Garlapally, VIT-AP University	15-12-2023
202441002724	A modified multilevel meshfree algorithm for Steady Convection-Diffusion Problems	Dr. Nikunja Bihari Barik, VIT-AP University Dr. T.V.S. Sekhar, IIT Bhubaneswar	09-02-2024