

## Patents Summary during 2023-24

S.No.	Academic Year	Date of Publication	Name of the Faculty / Inventor	Title of Patent	Patent Number	Level	Status	Date of filing of Application
1	2023-2024	01/09/2023	Ms. R. Leelavathi	Smart Drone Roof Top and Ground Airport System for Efficient and Secure Drone Operations	202341042 444 A	National	Published	23/06/2023
2	2023-2024	09/02/2024	Dr. E. Sreenivasa Rao Dr. K. Veera Swamy Dr. D.M.K. Chaitanya Dr. Srilakshmi Aouthu Dr. K. Krishna Kishore Mrs. K.R. Deepthi Dr. Ch. Vijaya Durga	Multiband Microstrip Fractal Antenna For Communication Using 5G Environment	202441005 443 A	National	Published	27/01/2024
3	2023-2024	09/02/2024	Dr. K. Veera Swamy Dr. E. Sreenivasa Rao Dr. K. Deepti Dr. S. Aruna	Digital Image Processing Quality Assessment From Error Visibility to Structural	202441005 442 A	National	Published	27/01/2024

			<b>Deepthi Mr. B. Uma Mahesh Babu Ms. R. Leelavathi</b>	<b>Similarity</b>				
<b>4</b>	<b>2023-2024</b>	<b>29/02/2024</b>	<b>Dr. K. Krishna Kishore</b>	<b>Artificial Intelligence Based Automatic Feeding System for Aquaculture</b>	<b>517053</b>	<b>National</b>	<b>Granted</b>	<b>25/04/2019</b>
<b>5</b>	<b>2023-2024</b>	<b>29/03/2024</b>	<b>Dr. S. Aruna Deepthi Dr. K. Veera Swamy Dr. E. Sreenivasa Rao Mrs. V. Aruna Mr. K. Rama Krishna Reddy</b>	<b>Design of College Network Security Management System Based On Snmp Management Model</b>	<b>202441022 011 A</b>	<b>National</b>	<b>Published</b>	<b>22/03/2024</b>
<b>6</b>	<b>2023-2024</b>	<b>29/03/2024</b>	<b>Dr. D.M.K. Chaitanya Dr. K. Veera Swamy Dr. E. Sreenivasa Rao Mrs. Ch. Neetu Mr. M. Ramanjaney ulu</b>	<b>An Enhanced Symmetric Cryptosystem- Based Authentication and Session Key Establishment Scheme for WSN</b>	<b>202441022 010 A</b>	<b>National</b>	<b>Published</b>	<b>22/03/2024</b>
<b>7</b>	<b>2023-2024</b>	<b>29/03/2024</b>	<b>Dr. Srilakshmi</b>	<b>Artificial Neural</b>	<b>202441021 708 A</b>	<b>National</b>	<b>Published</b>	<b>22/03/2024</b>

			<b>Aouthu Dr. E. Sreenivasa Rao Dr. K. Veera Swamy Ms. G.R. Padmini Dr. N. Siva Sankara Reddy</b>	<b>Network Based Capacitance Prediction Model for Optimal Voltage Control Generator</b>				
<b>8</b>	<b>2023-2024</b>	<b>29/03/2024</b>	<b>Dr. K. Veera Swamy</b>	<b>Design and Development of Joint Face Detection and Alignment using Convolutional Networks</b>	<b>202441021 550 A</b>	<b>National</b>	<b>Published</b>	<b>22/03/2024</b>
<b>9</b>	<b>2023-2024</b>	<b>17/05/2024</b>	<b>Dr. K. Deepti</b>	<b>Route Follower Based Shopping Robot</b>	<b>411981- 001</b>	<b>National</b>	<b>Granted</b>	<b>29/03/2024</b>
<b>10</b>	<b>2023-2024</b>	<b>14/06/2024</b>	<b>Dr. K. Veera Swamy</b>	<b>Integrating ML Based Analysis and Measurement of Agriculture Investigations for Tea Leaf Diseases</b>	<b>202441044 460 A</b>	<b>National</b>	<b>Published</b>	<b>08/06/2024</b>