

**FE department- Patents Published/Granted 2023-24**

<b>S. No</b>	<b>Title/ Description</b>	<b>Principal Investigator/Name</b>	<b>Published Date</b>	<b>Sponsoring Organization</b>	<b>Application number</b>
1	Colloidal droplet mixes involving anisotropic interactions and an analysis of periodic behavioural components	Dr. K. Santhosh Kumar, Dr. B. Srinu	27-07-2023	SELF	202341050832
2	Solarscape	V. Keshav Reddy, Dr. G. Neeraja Rani, Dr. B. Nagamani, Dr. N. Subadra and Dr. V. Manjula	25-08-2023	GCET	202341036676A-
3	Empowering Secondary Education with Digital Portfolios to strengthen ELT Skills and Speaking Abilities	Dr. PV. Geethika Lakshmi Patnail, M. Praveena, A.V. Vishweshwara Sharma, Shahajahan Siddiqui, Dr. Mahammad Azam, P.B. Esther Rani, G. Sunil, T. Nagaraju	01-08-2023	SELF	202341047825
4	Robotic Arm	Sathvik Parasa, Hari Sarada, Ashirith G, Dr. G. Neeraja Rani, Dr. B. Nagamani, Dr. N. Subadra, Dr. V. Manjula	27-09-2023	GCET	391900-0012023
5	A system for synthesizing and characterising ene-yne attached 3-formyl indole derivatives	Dr. K. Shashikala, Mrs. J. Bhargavi, M. Murali	18-10-2023	SELF	202023104781
6	Unlocking the Secrets of Micro Plastic Emissions from Sewage Plants with Methodological Analysis	Dr. Ramaiah, M Satish Kumar, Dr. Srinu B, Dr. K. Santosh Kumar, K. Prathibha, Y D Sravanthi, Dr. V Anitha Rani	01-11-2023	SELF	202341067363 A
7	Transforming ESL Writing Assessment with the Co-Creation of Rubrics	Dr. T Sridevi, Dr. P Rajitha, Dr. P Pramodini	20-12-2023	SELF	202341075853A
8	Clearing the Waters Through Innovative Sludge Dewatering Techniques Using Bamboo Charcoal	Dr. T Jagadish, Dr. P Geetha Swarupa, Dr. B. Srinu. M. Sudha, Pandu Naidu, B.Sravanthi	22-12-2023	SELF	202341079424 A
9	The Impact of Transitioning from Micro to Nano In Low-Dimensional semiconductors on MOS Logic	S. Udaya Laxmi, E. Venkateshwar Rao, Srinu. Bhoomandla, Madhavi K, Nisha Jha, S. Sunita Ratnam, S. Ramesh	09-02-2024	SELF	202341075853A
10	Innovative photo catalysts for solar driven water purification with a focus on visible light responsive materials	Sahitya Reddy, N. Shekar, L. Raga Lakshmi, Surindrapal Singh, Chanra Sekhar, Shaik Rafi, Pandu Naidu, Srinu Bhoomandla	08-03-2024	SELF	202441008663A

11	The Future of ELT: Developing a Comprehensive Instructional Design Model Incorporating in Education Augmented Reality and Problem-Based Learning Techniques	Dr. T. Sridevi, Dr. Pramodini Patnaik, Dr. P. Rajitha	08-03-2024	SELF	2024410089 51 A
12	Developing Biodegradable polymer-based adsorbents for heavy metal removal from industrial wastewater.	Dr. Sreedhar Pandiri, Dr. Mamatha Kasula, Prasad Pinnoju, Dr. Rashmi Trivedi, Yamini Saraswath, Dr. Srinu Bhoomandla, Dr. K. Santosh Kumar, Dr. K. Raju	29-03-2024.	SELF	2024410174 67 A
13	Method for Synthesizing Carbon-Neutral Hydrocarbon Fuels from Atmospheric CO <sub>2</sub> .	Dr. Surapaneni Krishna Mohan, Dr. Sreedhar Pandiri, Dr. Ranabothu Govardhan, Dr. Srinu Bhoomandla, Mr. Sateesh Kuna	29-03-2024.	SELF	2024410180 40A
14	Hospital Bed	Dr. K. Srilakshmi	29-03-2024.	SELF	391035-001