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### Department of Mechanical Engineering

#### Details of Patents

S. No	A.Y	Name of the faculty	Title of the Patent / Design/etc.	Application Number	Date of Filed	Date of Published	Date of Granted	Date of Reply filed	Status
1	2021-2022	Dr. Jayashri N. Nair Assistant Professor VNRVJIET, Hyderabad	DESIGN AND FABRICATION OF TREAD MILL BICYCLE	Application no. 202141051863	12/11/2021	26/11/2021	---		Published
2		Dr. Ajay Kumar Kaviti Assoc. Professor, Department of ME	NON-CONTACT NANOSTRUCTURE AND METHOD OF MANUFACTURING THE SAME FOR FOULING FREE SOLAR DESALINATION"	Application No.202241000685	06/01/2022	21/01/2022	--		Published
3		Dr. Ajay Kumar Kaviti Assoc. Professor, Department of ME	SUBMERGED NANOPOROUS MICRO HOTSPOT STRUCTURE FOR SOLAR DESALINATION AND METHOD OF PREPARATION	Application No.202241003900	24/01/2022	04/02/2022	--		Published

4	Dr. Ajay Kumar Kaviti Assoc. Professor, Department of ME	SOLAR DESALINATOR	Application No. 357989-001	5/02/2022		21/04/2022		Granted
5	Dr. Ajay Kumar Kaviti Assoc. Professor, Department of ME	SOLAR DESALINATOR	Application No. 359786-001	3/03/2022		23/05/2022		Granted
6	Dr. Satya Prasad Paruchuru,  Professor, Department of ME	INSTRUMENTED METHODS FOR SMART OPERATIONS	Application no. 2788/CHE/2015	03/06/2015	9/12/2016	----	21/03/2022	Reply filed. Application in amended examination
7	Dr. Satya Prasad Paruchuru,  Professor, Department of ME	INSTRUMENTED METHODS FOR SMART OPERATIONS	Application no 3519/CHE/2015	09/07/2015	13/01/2017	----	24/03/2022	Reply filed. Application in amended examination
8	Dr. Ajay Kumar Kaviti Assoc. Professor, Department of ME	ECO-FRIENDLY SOLAR DESALINATOR	Application No. 202241033629 published on	13/06/2022	17/06/2022			Published
9	Mr. T.	FABRICATION OF POLYMER BASED	Application no. 202141025859	10/06/2021	-----	14/07/2022		Granted

		Malyadri, Assistant Professor, Department of ME	NANO COMPOSITE ROOF SHEETS						
1 0	2020- 2021	Dr. B. Satyanarayan a, Professor, Department of ME	COLLABORATIVE FEDERATIVE LEARNING APPROACH FOR INTERNET OF VEHICLES TRAFFIC PREDICTION	---	02/08/2022	-----	26 /08/ 2020		Granted
1 1		Dr. Satya Prasad Paruchuru,  Professor, Department of ME	AN ARRANGEMENT TO ENHANCE THE TISSUE ENGINEERING AND OTHER LIVELY PROCESSES TO ENHANCE LIFE	Application no. 201941029478	22/07/2019	29/01/2021	---	-----	Awaiting Request for Examination
1 2		Dr. V. Siva Rama Krishna	EVALUATION OF THRUST FORCE AND TORQUE IN DRILLING OF NATURAL FIBER PARTICLE REINFORCED POLYMER”	Application no. 20214100581	11/02/2022	19/02/2021	----		Published
1 3		Dr. Yeole Shivraj Narayan,	MODULAR ENCLOSURE FOR CHEMICAL PROCESSING	Application no. 342237-001		31/05/2021	----		Published

		Professor, Department of ME							
1 4		Dr. K. Ajay Kumar, Assoc. Professor, Department of ME	DEVELOPMENT OF SMART WALKING STICK FOR VISUALLY IMPAIRED PEOPLE	Application no. 202041012028	20/03/2020	22/05/2021	----		Published

## Faculty Guided Students Projects

S. No	A.Y	Name of the faculty Mentor	Name of the students	Title of the Patent / Design/etc.	Application Number	Date of filed	Date of Published	Date of Granted	Date of Reply filed	Status
1	2019-20	Dr. Jayprakash	IV B.Tech. (ME) Students 1. Y. Kausthub Kaundinya (12071A03C0), 8885885902 2. Nikhil Pasari (12071A0389) 9550470150 3. Sreekanth Kommula (12071A0377) 7702224410 4. Anand Kumar. D (13075A0315) 9440913987	SYSTEM AND METHOD FOR TEMPERATURE ADJUSTMENTS AND AIR FILTRATION INSIDE A HELMET	6499/CHE/2015	03/12/2015	8/01/2016		10/3/2020	Reply filed. Application in amended examination
2		Dr. Aruna Prabha	N. Tummala Uday 14071A03A9	STABILIZING DEVICE	201741031233	04/09/2017	18/01/2019	18/10/2019	5/8/2019	Granted

			2. Brahmandam JSK Narsimha Kasyap 14071A0364 3. CH. Praveen 14071A0369							
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