



# St. Martin's Engineering College

(UGC Autonomous)

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Department: S&H						
Academic Year: 2021-22						
P	Total number of Patent Published /Grant				9	
	Details of Patent					
S.N o.	Name of Inventors and/or Applicants	Title of the Invention	Patent Detail (Patent number with date, if granted then mentioned as a “grant”, if foreign then Country name	Month & Year	Link	
1	Dr. D. Ranadheer Reddy	Design and Development of Wireless Artificial Arm	Patent Number 202241012423	MAR, 2022	<a href="https://drive.google.com/file/d/17-QBPdXBSGdMesmmdpJhA5FGKUF-3QXI/view?usp=sharing">https://drive.google.com/file/d/17-QBPdXBSGdMesmmdpJhA5FGKUF-3QXI/view?usp=sharing</a>	
2	Dr. Venkanna K T. Vamshi Prasad Dr. P.Nageswara Rao Dr A Rambabu	Advanced Designing of Thin Film Silicon Solar Cells and Studying their Performance	Patent Application Number: 202241012863	MAR, 2022	<a href="https://drive.google.com/file/d/1kmPv0IHxZYv8QUIvFb7MdtNBhCZBX5rv/view?usp=sharing">https://drive.google.com/file/d/1kmPv0IHxZYv8QUIvFb7MdtNBhCZBX5rv/view?usp=sharing</a>	
3	Dr. Venkanna K	Carrier selective passivation contact silicon heterojunction solar cells	Patent Application Number: 202241014950 A	MAR, 2022	<a href="https://drive.google.com/file/d/17kXQd7icefWuAt17Fk4w78N8n3-15LKC/view?usp=sharing">https://drive.google.com/file/d/17kXQd7icefWuAt17Fk4w78N8n3-15LKC/view?usp=sharing</a>	
4	Dr.SomeswarSiddi	IoT and Artificial Intelligence based	Patent Number 202241015569,	April, 2022	<a href="https://drive.google.com/file">https://drive.google.com/file</a>	

		continuous monitoring for bridge safety by using health monitoring technology	Indian Patent		<a href="https://drive.google.com/file/d/1rfKH8rWFFuCb6CXajm9psNVpcHQE9Tva/view?usp=sharing">e/d/1rfKH8rWFFuCb6CXajm9psNVpcHQE9Tva/view?usp=sharing</a>
5	Dr. Venkanna K, Dr.Hemambika, Dr.Arundathi S	HOLE AND ELECTRON SELECTIVE PASSIVATION LAYERS FOR INTERDIGITATED BACK CONTACT SILICON HETEROJUNCTION SOLAR CELLS	Patent Number 202241021951, Indian Patent	April, 2022	<a href="https://drive.google.com/file/d/1CmgQdcEPIKw5ZLWi6O4hiAYQTjx4AE8/view?usp=sharing">https://drive.google.com/file/d/1CmgQdcEPIKw5ZLWi6O4hiAYQTjx4AE8/view?usp=sharing</a>
6	Dr. P. Nageswar, Dr. M. Dhamodhara Naidu, Dr.Rambabu, , Dr.Venkanna k	Effect of Quenching rate on electrical conductivity and glass formation	Patent No: 202241026623 A, Indian Patent	May, 2022	<a href="https://drive.google.com/file/d/1pDwY8ci2rTXEilUiRLqVHPTGFYOortpk/view?usp=sharing">https://drive.google.com/file/d/1pDwY8ci2rTXEilUiRLqVHPTGFYOortpk/view?usp=sharing</a>
7	M. SantoshiKumari	Two-temperature magneto-thermo elasticity for heat conductivity	Patent No: 202241026851 A, Indian Patent	May, 2022	<a href="https://drive.google.com/file/d/11mjLusMqcf9eJ7ZJfWcFM8HLSnEa070m/view?usp=sharing">https://drive.google.com/file/d/11mjLusMqcf9eJ7ZJfWcFM8HLSnEa070m/view?usp=sharing</a>
8	Dr.Venkanna k, Dr.RanadheerDonthi, Dr. M. Dhamodhara Naidu	Passivation of Interface defects by hydrogen plasma treatment to improve the performance of silicon tandem solar cells	Patent No: 202241022245 A, Indian Patent	May, 2022	<a href="https://drive.google.com/file/d/1anWkbQSyLzfgWtCqxEpuSRbha1cxUXg/view?usp=sharing">https://drive.google.com/file/d/1anWkbQSyLzfgWtCqxEpuSRbha1cxUXg/view?usp=sharing</a>
9	M. SantoshiKumari	Efficient image smoothing and parallel structure design using five directional partial derivatives	202241037470 A, Indian patent	July, 2022	<a href="https://drive.google.com/file/d/1tDP5hqobrVp8mV5PSIiXR3XH6WVrLmv/view?usp=sharing">https://drive.google.com/file/d/1tDP5hqobrVp8mV5PSIiXR3XH6WVrLmv/view?usp=sharing</a>

