



St.Martin'sEngineeringCollege

(UGC Autonomous)

NBA&NAACA+Accredited

Dhulapally,Secunderabad-500100

www.smec.ac.in



| Department:S&H | | | | | | |
|----------------------|---|---|--|------------|---|--|
| AcademicYear:2021-22 | | | | | | |
| P | TotalnumberofPatent Published/Grant | | | | 9 | |
| | DetailsofPatent | | | | | |
| S.No. | NameofInventors and/orApplicants | Titleofthe Invention | Patent Detail(Patentnumberwith date, if granted then mentionedasa“grant”, if foreign then Country name | Month&Year | Link | |
| 1 | Dr.D.Ranadheer Reddy | DesignandDevelopment of Wireless Artificial Arm | PatentNumber 202241012423 | MAR,2022 | https://drive.google.com/file/d/17-QBPdXBSGdMesmmdpJhA5FGKUF-3QXI/view?usp=sharing | |
| 2 | Dr.Venkanna K T.VamshiPrasad Dr. P.Nageswara Rao DrARambabu | AdvancedDesigningof Thin Film Silicon Solar CellsandStudyingtheir Performance | Patent Application Number:202241012863 | MAR,2022 | https://drive.google.com/file/d/1kmPv0IHxZYv8QUIvFb7MdtNBhCZBX5rv/view?usp=sharing | |
| 3 | Dr.Venkanna K | Carrier selective passivation contact siliconheterojunction solar cells | Patent Application Number:202241014950A | MAR,2022 | https://drive.google.com/file/d/17kXQd7icefWuAt17Fk4w78N8n3-15LKC/view?usp=sharing | |
| 4 | Dr.SomeswarSiddi | IoT and Artificial Intelligence based | PatentNumber 202241015569, | April,2022 | https://drive.google.com/file | |

| | | | | | |
|---|--|--|---|-------------|---|
| | | continuous monitoring for bridge safety by using health monitoring technology | Indian Patent | | e/d/1rfrKH8rWFFuCb6CXajm9psNVpcHQE9Tva/view?usp=sharing |
| 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 | https://drive.google.com/file/d/1CmgQdcEPIIKw5ZLwi6O4hiAYQTjx4AE8/view?usp=sharing |
| 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 | https://drive.google.com/file/d/1pDwY8ci2rTXEi1UiRLqVHPTGFYUortpk/view?usp=sharing |
| 7 | M. Santoshi Kumari | Two-temperature magneto-thermoelasticity for heat conductivity | Patent No: 202241026851 A, Indian Patent | May, 2022 | https://drive.google.com/file/d/11mjLusMqcf9eJ7ZJfWcFM8HLSnEa070m/view?usp=sharing |
| 8 | Dr. Venkanna k, Dr. Ranadheer Donthi, 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 | https://drive.google.com/file/d/1anWkbQSyLzfgWtCqxEpuSRbha1cxUXg/view?usp=sharing |
| 9 | M. Santoshi Kumari | Efficient image smoothing and parallel structure design using five directional partial derivatives | 202241037470A, Indian patent | July, 2022 | https://drive.google.com/file/d/1tDP5hqobrVp8mV5PSIiXJR3XH6WVrLmv/view?usp=sharing |