



S.A. ENGINEERING COLLEGE

(Autonomous - Institute Level Research Centre, Affiliated to Anna University, Chennai)

Accredited by NAAC 'A' Grade & ISO 9001:2015 Certified Institution

DEPARTMENT OF MECHANICAL ENGINEERING

DETAILS OF PATENTS BY FACULTY - 2023-2024

S.NO	TITLE OF THE PATENT	NAME(S) OF THE FACULTY / STUDENT	DATE OF APPLICATION FILED	STATUS OF APPLICATION (PUBLISHED/ GRANTED)	IF GRANTED PROVIDE DETAILS
1.	3D Printer	Dr.P.Sevvel	11.10.2023	Granted on 19.01.2024	Design No. 397156-001
2.	Solar Water Distillation System	Mr. A. Sivaramakrishnan Mr. J. Vasanth Roy Dr. P. Sevvel Mr. B. Pradap (Student) Mr. S. Aravind (Student) Mr. S. Jayabaskar (Student) Mr. K. Shree Visshnu (Student)	24.11.2023	Granted on 15.03.2024	Design No. 400588-001
3.	Effects of Nanosilica on the Mechanical Properties and Swelling Resistance of EPDM/XNBR Nanocomposites	Mr.C.Dhanesh and Mr.S.R.Venkataraman	18/01/2024	202441003475 PUBLISHED on 09/02/2024	-
4.	Heat transfer analysis of solar dish collector using TiO ₂ nano fluids	Mr.C.Krishnamurthy, Dr.K.Suresh and Mr.S.Dhanasekar	18/01/2024	<u>202441003481</u> PUBLISHED on 09/02/2024	-



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5.	Enhanced wave-absorbing performances of NR/NBR/SBR rubber composites by incorporating C-SnO ₂ -MWCNT absorbent with ternary heterostructure	Mr.K.Parthasarathy, Mr.G.Prabakaran and Dr.S.Vishvanathperumal	18/01/2024	<u>202441003494</u> PUBLISHED on 09/02/2024	-
6.	Food Preservative Pack Using Peltier Module	Mr.K.Manimaran, Mr.D.Prakash and Mr.K.N.Ramu	31/01/2024	202441006243 PUBLISHED on 09/02/2024	-
7	Arrow Head Flow Field Design For PEMFC	Dr.S.Praveen kumar Mr.D.Srinivasan	01/02/2024	202441006699 PUBLISHED on 01/03/2024	
8	Thermal Analysis of Portable Vacuum Tube Solar Cooker	Mr.S.J.Rajaraman Mr.K.A.V.Roosvelt Prabhu Mr.R.Jeeva	30/05/2024	<u>202441041907</u> PUBLISHED ON 07/06/2024	-