



# 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 2024-2025

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.	Characterization and Enhancement of Aloe Vera-Flax fibre Composites reinforced with wire Mesh For automobile Uses	Dr M Arul Murugan & Mr C Dhanesh	17.12.2024	Published on 20.12.2024 (202441099758)	-
2.	Multi terrain quadcopter	Dr.P.Sevvel	Filed on 26/06/2019 (319052-001)	DESIGN PATENT GRANTED	DESIGN PATENT GRANTED on 14/06/2024
3.	Automatic coir type shoe polishing machine	S.A. Engineering College <u>Dr.P.Sevvel</u>	Filed on 18/11/2024 (437620-001)	DESIGN PATENT GRANTED	DESIGN PATENT GRANTED on 14/06/2024
4.	Innovative coir pot with prolonged shelf life through additive treatment and structural enhancement	S.A. Engineering College Dr.P.Sevvel	Filed on 15/11/2024 (202441088399)	Published on <u>22/11/2024-</u>	
5.	<u>Automatic Floor Cleaning Machine Using Hand Power</u>	Mr. C. Krishnamurthy <u>Mr. S. Dhanasekar</u> <u>Dr. K. Suresh</u>	<u>06/02/2025</u>	Published on 21/02/2025  <u>202541009633</u>	
6.	<u>Integration Of Different Flow Field Designs in A 3 Cell PEMFC Stack</u>	Dr. S Praveenkumar Dr. D Srinivasan	<u>06/01/2025</u>	Published on 17/01/2025  <u>202541001055</u>	



# S.A. ENGINEERING COLLEGE

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

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

7.	Improved mechanical performance and swelling resistance of ethylene propylene diene monomer/styrene butadiene rubber nanocomposites through the incorporation of graphene oxide as a reinforcing filler	Mr. S.R. Venkataraman Dr. S. Vishvanathperumal	06/02/2025	Published on 21/02/2025  202541009655	
8.	Solar Power air purifier and Air monitoring	Mr.S.J.Rajarajan Mr.K.A.V. Roosvelt Prabhu Mr.R.Jeeva	17/02/2025	Published on 28/02/2025  202541013383	
9.	Semi-Automatic Lug Nut Fastening Tool	Mr. J. Vasanthe Roy Mr.A. Sivaramakrishnan Mr.C. Dhanesh	06/01/2025	Published on 17/01/2025  202541001091	
10.	Examination of Micro-Structural Behavior of Laser Beam Welded Aluminum and Stainless-Steel Alloy Joints	Mr.K.Manimaran Mr.D.Prakash Mr.K.N.Ramu	20/01/2025	Published on 31/01/2025  202541004401	
11.	Enhancement of the Mechanical Properties of EPDM/NBR Rubbers using Nanosilica for Seal Applications.	Mr. K. Parthasarathy Mr. G. Prabakaran	07/02/2025	Published on 14/02/2025  202541010183	