

## DEPARTMENT MECHANICAL ENGINEERING

### Number of Patents/ Copyright /Design project

**Academic Year: 2023-2024**

S. No.	Name of the Faculty/Student	Title of the Patent/Product	Name of the Inventor	Remarks (Patent No, date etc.,)
1	Mr. Kalaiselvan P, Mr. Jeevabharathi K and Mr. Vijay M	BOLT	Mr. P. D. Devan	369034-001 dated 04-08-2023
2	Dr. V. Muthukumar	Guidance Robot	Dr. V. Muthukumar, Dr. S. Balaji, and Dr. K. M.Senthilkumar	382457 - 001 dated 07-08-2023
3	Mr. Karan Ram S	Slip Joint Repair Coupling		202041008136 dated 13-12-2022.
4	Dr. M. A. Vinayagamoorthi & Dr. S. Thirumuruga veerakumar,	An Automated Non-contact measurement system in lathe machine	Dr. M. A. Vinayagamoorthi, & Dr. S. Thirumuruga veerakumar	202341043075A dated 27-06-2023.
5	Dr. Arun A P	Additive Manufacturing Device	Dr. Arun A P	Design number: 6346754 Grant date: 23 February 2024
6	Dr. K. K. Arun	Exploring the role of machine learning in human addictive behavior prediction among college students in India	Dr. K. K. Arun	202411002822 A
7	Dr. K. K. Arun	"Deep Learning based Approaches for students' performance prediction and education-based outcome improvement	Dr. K. K. Arun	202411002924 A on 15-01-2024.
8	Dr. K. K. Arun	Device for Employee Attendance Management	Dr. K. K. Arun	6347712 on 27-02-2024.
9	Dr. S. Sivakumar	Thermal Management System of LI - ION Battery	Dr. S. Sivakumar	404360-001 on 12-01.24

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**Academic Year: 2022-2023**

<b>S. No.</b>	<b>Name of the Faculty/Student</b>	<b>Title of the Patent/Product</b>	<b>Name of the Inventor</b>	<b>Remarks (Patent No, date etc.)</b>
1	Mr.B.Jeeva	Compression ignition internal combustion engine operating on diesel or gasoline	Mr.B.Jeeva	3787/MUM/2014 and 27/11/2014, Date of grant of patent: 08/06/2022
2	Dr.S.Balasubramanian	An apparatus for disinfecting biometric system and a method thereof	Dr.S.Balasubramanian	202141029332 and 30-09-2022
3	Dr.A.P.Arun	IMPROVED ANKLE FOOT ORTHOSIS	Dr.A.P.Arun	201841002214 7/2/2023

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**Academic Year: 2021-2022**

S. No.	Name of the Faculty/Student	Title of the Patent/Product	Name of the Inventor	Remarks (Patent No, date etc.,)
1	Dr.V.R.Muruganatham	Bathroom Joli with detachable cover	Dr.V.R.Muruganatham	202241028007 and 16-05-2022
2	Dr.C.Velmurugan	Low Weight Jacquard Hooks for Handlooms	Dr.C.Velmurugan	Patent No: 371367
3	Dr.S.Balasubramanian	An apparatus for disinfecting biometric system and a method thereof.	Dr.S.Balasubramanian	202141029332
4	Dr.A.P.Arun	Design and development of agriculture based fertilizer spraying and water weed removal device	Dr.A.P.Arun	202141055878 A
5	Dr.K.K.Arun	A system for server driven data synchronization in IOT connectivity and method thereof	Dr.K.K.Arun	202141034610 A
6	Dr.V.Muthukumaran	Design and development of compact centrifugal edible oil filter	Dr.V.Muthukumaran	202141048365
7	Dr.K.M.Senthilkumar	Automatic Unmanned Railway Level Crossing Gate	Dr.K.M.Senthilkumar	202141047926 A

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**Academic Year: 2020-2021**

<b>S. No.</b>	<b>Name of the Faculty/Student</b>	<b>Title of the Patent/Product</b>	<b>Name of the Inventor</b>	<b>Remarks (Patent No, date etc.,)</b>
1	Dr.A.P.Arun	A smart dustbin for disabled people	Dr.A.P.Arun	202141001895 A
2	Dr.A.P.Arun	An intelligent drone for social surveillance	Dr.A.P.Arun	202141005231 A
3	Dr.M.A.Vinayaga moorthi	An apparatus for holding and dispensing water from a water can	Dr.M.A.Vinayaga moorthi	202041001486 A
4	Dr.K.K.Arun	A novel technique for reduction of software entropy and to prevent information leakage in mobile applications	Dr.K.K.Arun	202041028261 A
5	Dr.K.M.Senthilkumar	HiTech Face mask to detect various diseases	Dr.K.M.Senthil kumar	202141015960 A