

**Patents Granted**  
**Department of Mechanical Engineering**

S. No	Inventor/s Name	Title of the Patent	Patent Publication Number / Patent Granted Number	Date of Granted
1.	Sameera Mufazzal; Syed Mohammad Muzakkir	Agitator Design for Gentle Cleaning Action for Top Load Washing Machine	495717	08-01-2024 (Granted)
2.	SYED MOHAMMAD MUZAKKIR	SWEEPING BRUSH WITH PRESSURIZED AIR NOZZLES FOR STREET SWEEPING MACHINES	482097	13-12-2023 (Granted)
3.	Sabah Khan, Md. Zakir	A METHOD FOR SYNTHESIZING MNO <sub>2</sub> /MWCNT EPOXY NANOCOMPOSITE	437239	04-07-2023 (Granted)
4.	Arshad Noor Siddiquee, Noor Zaman Khan, Zahid A. Khan	Universal Friction Stir Welding/ Processing Work Fixture	425143	14-03-2023 (Granted)
5.	Sameera Mufazzal; S M Muzakkir	Agitator Assembly for a Top Load Washing Machine	401938	25-07-2022 (Granted)
6.	Sameera Mufazzal; Noor Zaman Khan S. M.Muzakkir; Zahid A. Khan; Sarfaraz Masood; Mohd. Tauheed Khan	A feature boosted Web- based product purchase recommendation method and system	2021-103131	07-04-2022 (Granted)
7.	Osama Khan, M. Emran Khan	A Novel Apparatus for Controlling Energy in a Solar Disinfection System- Australian Patent	2021106403	22-08-2021 (Granted)
8.	Sameera Mufazzal, A N Siddiquee, Zahid A. Khan	Double Stroke Cutting Mechanism	372045	16-07-2021 (Granted)