

### 3.4.2 Number of Patents awarded during the last five years

3.4.2.1: Total number of Patents awarded year-wise during the last five years (2019-2023)

Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patent Awarding Agency
Rouf-ul Alam Bhat, Abdul Mueed Hafiz	<a href="#">426153, A Carbon Monoxide (CO) Detection and Ventilation System (Granted)</a>	July 13, 2021	Intellectual Property India
Rouf-ul Alam Bhat	<a href="#">413695, Fuel Quality and quantity Monitoring add on system, (Granted)</a>	November 5, 2021	Intellectual Property India
Rouf-ul Alam Bhat	<a href="#">419100, An Automatic Pink Tea Vending Machine (Granted)</a>	December 10, 2021	Intellectual Property India
Dr. Bilal Ahmad Malik	410011, Starch Free Rice Cooker for Diabetic Patients <b>(Granted)</b> .	October 27, 2022	Intellectual Property India
Mr. Adil Yousuf	<a href="#">527638, Solar Electrified Road for Wireless Charging of Electric Vehicle (Granted)</a>	August 12, 2023	Intellectual Property India
Abdul Mueed Hafiz	<a href="#">403388-01, Twist Ease Clean Tank (SET), Granted</a>	December 29, 2023	Intellectual Property India
Rouf-ul Alam Bhat	<a href="#">Winter water pipe defreezer using Non-Invasive Induction heating, (Published).</a>	April 29, 2022	Intellectual Property India
Rouf-ul Alam Bhat	<a href="#">An Access Control System</a>	December 13, 2021	Intellectual Property India
Rouf-ul Alam Bhat	<a href="#">Smart Lock System and Operating Method Thereof</a>	April 20, 2022	Intellectual Property India
Rouf-ul Alam Bhat	<a href="#">A Smart Room Heater Configured to Operate on a low Voltage Under Blanket Usage</a>	November 26, 2021	Intellectual Property India
Rouf-ul Alam Bhat, Abdul Mueed Hafiz, Dr. Bilal Ahmad Malik	<a href="#">Wearable Device for Personal Safety, Security, and Health Monitoring, (Published).</a>	July 2023	Intellectual Property India
Rouf-ul Alam Bhat, Abdul Mueed Hafiz, Dr. Bilal Ahmad Malik	<a href="#">Internet based Dual Ambu Bag Resuscitator, (Published).</a>	April 22, 2024	Intellectual Property India
Rouf-ul Alam Bhat, Abdul Mueed Hafiz	<a href="#">Snow Clearing and Melting Device, (Published).</a>	July 2022	Intellectual Property India
Rouf-ul Alam Bhat, Abdul Mueed Hafiz, Dr. Bilal Ahmad Malik	<a href="#">An Automatic Chicken Coop enabled to Open and Close Doors Automatically (Published).</a>	December 17, 2021	Intellectual Property India
Dr. Bilal Ahmad Malik	Device for providing cooling and heating effects for therapeutic Treatment <b>(Published)</b>	October 2022	Intellectual Property India

In case of patents obtained outside India, provide us one of the following:

1. If the Indian Patent application is filed for the corresponding foreign patent, please provide us the current status of the Indian Patent application
2. If you have filed the foreign patent without filing corresponding Indian Patent application, please provide us a copy of foreign filing license obtained from Indian Patent office as per Section 39 of Indian Patent act, 1970.