



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

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ANNEXURE-41

## Patent Grants

S. No.	Title of the Patent	Patent Application No.	Published / Granted Date	Publication / Granted Number
1	A Three-dimensional Lotus Flower Model of CuO Fused Carbon dot Nanocomposites for Wastewater Treatment	202341014599	3/28/2025	564266
2	Multi-Parameter Based Immersion Water Heating System	202141062271	1/24/2025	558681
3	Actuation Mechanisam for Emergency Equipment in Aircrafts	202241032935	11/12/2024	554161
4	Artificial Intelligence Based Smart Home Automation System using Internet of Things	202041057023	9/2/2024	549467
5	ACD-System: Anti Clogging Drainage System	201821042797	5/21/2024	538924
6	BUVT - Face Recognition BOT: Face Recognition Bot Their Unique Voice Using IOT-Based Technology	202011041947	5/20/2024	538610
7	System for Reducing Crosstalk Delays in Electronic Devices using A CMOS Inverter	201941042515	5/14/2024	537839
8	Storage System: Advanced Business Service Management System.	202011008367	5/9/2024	537494
9	DAISTS - Dual-Axis Intelligent Solar Tracking System: Dual Axis (3600D) Intelligent Solar Teacking using Artificial Intelligence and Machine Learning system	202011055332	5/3/2024	536713
10	Garbage Container with Smart Segregation and Method of Segregation Thereof	202141062270	3/28/2024	531008
11	Intelligent Water Heater and Method Thereof	202141062269	3/22/2024	529949
12	Copter with Foldable Wings Robot	202141003724	3/18/2024	528697
13	Centicopter Robot	202141003726	3/13/2024	524608
14	Thermo-Electric Shoes with Automatic Temperature Control	202141001091	3/5/2024	519699
15	Smart Crane Girder Welding System	202241032936	3/1/2024	518226
16	VOWIFI Cell Capacity Evaluation Using IEEE 802.11AX for VBR Traffic.	202131062314	2/22/2024	513759
17	System for Minimizing Crosstalk Effects of Shells and Designing Multi-Walled Carbon Nanotube Models	201941042460	2/19/2024	512232
18	Artificial Intelligence Based Multi-Chamber Water Heating System	202141062258	2/15/2024	511379
19	Electrospun Nanocomposite Quasi-Solid Electrolytes for Dye-Sensitized Solar Cells and their Preparation Method Thereof	202141012944	2/6/2024	507471
20	Smart Coolant System for CNC Machines	202141062259	2/5/2024	507080
21	A Table with Grip Carving for Easy Handling	202021011206	1/9/2024	496615
22	Health Monitoring System using Atmega Microcontroller and IOT-Based	202241004104	1/3/2024	493693
23	PbO Nanofibers for Lithium-ion Batteries and its Preparation Method Thereof	202041057561	1/2/2024	493197
24	Graphitic Carbon Derived from Waste Tissue Papers for Sodium-Ion Capacitors and Their Preparation Method Thereof	202141012943	12/6/2023	477690
25	IMC-Charger: Intelligent Mobile Phone Protective Case with Solar Charger Thin Battery	201921016540	10/12/2023	458714
26	Health Controlling and Monitoring Device	202111046354	10/9/2023	457674
27	A System for Data Encryption Based on Cloud Cryptography and Method Thereof	2022/12070	5/31/2023	2022/12070

28	Ahr-Vehicle: Adjusting the Height of a Vehicle According to Indian Road Status	202021004323	5/9/2023	431258
29	A System for Providing Cyber Security by Improved Predictive Potential of Machine Learning and Method Thereof	2023/03224	4/26/2023	2023/03224
30	An Internet of Things-Based Drainage Pipes Cleaning Robot System	2022/13006	2/22/2023	2022/13006
31	A Block Chain and IOT Enabled Device for Data Acquisition in Computing Environment	202023100404	2/9/2023	202023100404
32	Tn-Joint Pain System: Joint Pain Treatment and Notification Using Iott System	202041000847	1/10/2023	417440
33	Smart Computer Software to Identify Television Panels Technology	2022/10667	12/21/2022	2022/10667
34	An IOT-Based Clinical Diagnostic Kit for The Detection of Life-Threatening Diseases	2022/11494	12/21/2022	2022/11494
35	An Automatic Optimized Features Selection System in Retinopathy Detection Using Active Extreme Learning Machine	2021102935	4/20/2022	AU2021102935A4
36	An Improved Video Retrieval System	202022100199	3/3/2022	202022100199
37	Method And System for Real-Time Decision-Based Carrier Tracking for Software Defined Radios	2021102150	10/6/2021	AU2021102150A4
38	Intelligent Plug-In Hybrid Electric Vehicles.	2021106812	9/12/2021	AU2021106812A4
39	Airplane Accidents Predictive Using Ai and Machine Learning Programming	2021101256	6/5/2021	AU2021101256A4
40	An Efficient and Automated Smart Heating Bucket	2020103897	1/27/2021	2020103897
41	An Efficient Methodology to Manage the Admissions in Hospitals During the Pandemics Such as Covid 19	2020102836	1/21/2021	AU2020102836A4
42	A Novel Method of Effective Sentiment Analysis System by Improved Relevance Vector Machine	2020104414	1/19/2021	2020104414
43	Retinal Vascular Disease Detection from Retinal Fundus Images Using Machine Learning	2020101450	8/27/2020	AU2020101450A4
44	Guidance Algorithm for UGV Using IOE Systems and Fog Computing	2020101429	8/20/2020	AU2020101429A4
45	AMD-Data Analysis: Academy Data Analysis Using Machine Learning, Deep Learning Programming	2020102379	5/11/2020	AU2020102379A4