



# RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University

NAAC Accredited with 'A+' Grade & An ISO 9001: 2015 Certified Institution

NBA Accredited UG Programs: CSE, EEE, ECE and MECH

## Patent Details as on 10.05.2024

**Link for checking status of the Indian applications:** <https://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus>

Sl. No.	Title of the Invention	Department	Application Number	Date of filing	Date of Publication	Current Status
1.	Banana Peel Activated Carbon Adsorbent Removing Zinc in Textile Effluent	Civil	202041054919	17.12.2020	25.12.2020	Granted on 22.08.2022
2.	Mobile Application to Help Tribal Parents to Locate the Tribal Schools and Hostels	CSE	201841022715	18.06.2018	14.06.2019	Hearing attended on 12.02.2024
3.	Energy-Effective and Secure Wireless Data Transfer Scheme for Mobile Nodes in Smart City Applications	CSE	2020104348	26.12.2020	-	Granted
4.	An Artificial Intelligence based Solar Powered Glove with Gestures for Deaf and Dumb	CSE	2020103425	13.11.2020	13.01.2021	Granted
5.	Drone detection apparatus and method using Deep Learning	CSE	10-2020-0099721	10.08.2020	-	Published
6.	Surveillance Automation for Detection and Identification of Human Behaviours	CSE	202041036283	24.08.2020	11.09.2020	Awaiting Request for Examination
7.	Global System for Mobile Communication (GSM)	CSE	201941038317	23.09.2019	25.10.2019	Published
8.	Deep Learning Based Yoga Pose Assessment System	CSE	202041046216	23.10.2020	30.10.2020	Hearing on 04.04.2024
9.	E-Shopping using Augmented Reality	CSE	202241027275	12.05.2022	20.05.2022	Responded to FER
10.	Driver Drowsiness Detection System	CSE	202241053660	20.09.2022	30.09.2022	Responded to FER

Sl. No.	Title of the Invention	Department	Application Number	Date of filing	Date of Publication	Current Status
11.	Machine Learning based Self-Assist System for Visually Impaired Person	CSE	202241071461	12.12.2022	30.12.2022	Published
12.	IOT based Patient Monitoring and Health Prediction System with Smart IV	CSE	202241071462	12.12.2022	30.12.2022	Published
13.	Comprehensive Tools to edit the pdf and Convert into e-pub format for Visually Impaired People	CSE	202341013978	02.03.2023	17.10.2023	Responded to FER
14.	Method for Treating Waste Water in Dye Industry using Natural Filter	EEE	202041056624	28.12.2020	01.01.2021	Published
15.	AI Aided Tank Cleaner	EEE	202141004588	21.01.2021	03.02.2021	Published
16.	Multi Terminal Corrosion Free Service Line Clamp	EEE	202141004396	01.02.2021	12.02.2021	Granted on 28.02.2024
17.	“An Apparatus for Monitoring and Dispensing Medicine to Elderly Patients	EEE	202141004468	02.02.2021	12.02.2021	Responded to FER
18.	Method for Controlling Eco Friendly Mow-Bot	EEE	202141006608	17.02.2021	26.02.2021	Hearing attended on 06.02.2024
19.	Electronic control for electric vehicle	EEE	202241017752	28.03.2022	08.04.2022	Granted on 22.02.2024
20.	Improving the Efficiency of Off-Grid Bifacial Solar Panel using Concentrator or Reflector System	EEE	202241018277	28.03.2022	08.04.2022	Responded to FER
21.	Apparatus for blocking the unauthorized use of cell phone signals that is powered by the sun	EEE	202241018278	28.03.2022	08.04.2022	Published
22.	Natural Fiber based Drip Water Cooling system for Solar Panels	EEE	202241032184	06.06.2022	10.06.2022	Published
23.	IoT based Intelligent Real Time System for Bus Tracking and Monitoring	EEE	202241042347	25.07.2022	29.07.2022	Published
24.	State of Charge Based Automatic Charging Controller with Temperature Monitoring	EEE	202241043872	01.08.2022	05.08.2022	Responded to FER

Sl. No.	Title of the Invention	Department	Application Number	Date of filing	Date of Publication	Current Status
	System for Electric					
25.	An Internet of Things System for Rainwater Collection and Intelligent Farming	EEE	202441015382	01.03.2024	08.03.2024	Published
26.	A Smart Conference Hall Surveillance System Using IoT	ECE	201841026151	13.07.2018	02.08.2019	Granted on 06.03.2024
27.	Microcontroller Based Gesture Control Car	ECE	201841026152	13.07.2018	02.08.2019	Published
28.	Smart Home Automation for Monitoring PH And TDS Level in Aquarium And Purifier	ECE	201841026154	13.07.2018	02.08.2019	Published
29.	Automatic Gas Leakage Detection, Alerting and Booking System Using GSM	ECE	201841026155	13.07.2018	02.08.2019	Responded to FER
30.	Smart Uniform for Girl Children with Artificial Intelligence	ECE / EEE	2020102896	20.10.2020	02.12.2020	Granted
31.	Local Area Way Finder	ECE	202041056634	28.12.2020	01.01.2021	Published
32.	Adaptive Headlight Beam Automation in Vehicles	ECE	202141000506	06.01.2021	15.01.2021	Published
33.	User Wearable Device for Face Recognition	ECE	202141001155	11.01.2021	22.01.2021	Granted on 28.02.2024
34.	Bike Ignition Control Using Chin Strap Switch	ECE	202141003316	25.01.2021	05.02.2021	Responded to FER
35.	Animal Intrusion Detection and Prevention System for Reserved Area	ECE	202141003953	29.01.2021	05.02.2021	Published
36.	Cooperative Driving: Vehicle to Vehicle Communication	ECE	202141046204	11.10.2021	19.11.2021	Published
37.	Drowsiness Detection of a Driver	ECE	202141046208	11.10.2021	19.11.2021	Hearing on 06.05.2024

Sl. No.	Title of the Invention	Department	Application Number	Date of filing	Date of Publication	Current Status
38.	Machine Learning Method & System for Solving a Prediction Problem from larger data source	ECE	202141050927	07.11.2021	03.12.2021	Awaiting Request for Examination
39.	Square Multiplier	ECE	202141051884	12.11.2021	03.12.2021	Responded to FER
40.	Mobile App for Health Monitoring and Surveillance System	ECE	202141056086	03.12.2021	10.12.2021	Published
41.	Employee location tracking & attendance monitoring system Using Wearable Device	ECE	202141057452	10.12.2021	24.12.2021	Published
42.	System for Monitoring Continuous Ambulatory Peritoneal Dialysis Patient	ECE	202241009901	24.02.2022	11.03.2022	Responded to FER
43.	Contactless ATM Monitoring System with Theft Detection	ECE	202341040039	12.06.2023	08.09.2023	Published
44.	Critical Equipment Healthiness Monitoring and Alert System	ECE	202441000088	01.01.2024	16.02.2024	Published
45.	Interoperative Biopsy Site Relocalization In Endoscope For Gastro Intestinal Tract Using DLT	ECE	202441008605	08.02.2024	16.02.2024	Published
46.	Solar Based Portable Water Purifier	Mechanical	201741027730	04.08.2017	10.08.2018	Published
47.	Kanaeba Crane	Mechanical	201841016885	04.05.2018	17.05.2019	Hearing attended on 26.02.2024
48.	Self-locking Valve to avoid water wastage	Mechanical	201841016882	04.05.2018	14.09.2018	Granted on 03.04.2024
49.	Oil Spill Segregating Rover	Mechanical	201941040308	04.10.2019	18.10.2019	Granted on 22.05.2023
50.	Musa – Holder	Mechanical	201941040291	04.10.2019	18.10.2019	Published

Sl. No.	Title of the Invention	Department	Application Number	Date of filing	Date of Publication	Current Status
51.	Manually Operated Geared Stretcher for Effortless Shift of wounded or injured patients to bed	Mechanical	201941040301	04.10.2019	18.10.2019	Granted on 21.11.2023
52.	Manually operated wheelchair with setup for moving patients from seat to bed and vice versa	Mechanical	202041050519	20.11.2020	04.12.2020	Granted on 08.04.2024
53.	Pomegranate Peeling Machine	Mechanical	202041050506	20.11.2020	04.12.2020	Granted on 08.03.2024
54.	Manually used effortless screwdriver	Mechanical	202041050851	23.11.2020	04.12.2020	Granted on 10.04.2024
55.	Anchor Bolt	Mechanical	202041050850	23.11.2020	04.12.2020	Hearing attended on 14.03.2024
56.	Vehicle Accident Detection and Reporting System	Mechanical / ECE	202141001139	11.01.2021	15.01.2021	Granted on 05.03.2024
57.	Portable Semi-automatic heat resistant bike seat cover	Mechanical	202141018772	23.04.2021	07.05.2021	Granted on 07.05.2024
58.	Semi-Automated Hand Rehabilitation Device	Mechanical	202241000330	04.01.2022	21.01.2022	Granted on 30.04.2024
59.	Mechanically Operated Slider for Flipping the Electrical Switch	Mechanical	202241000328	04.01.2022	21.01.2022	Hearing attended on 19.04.2024
60.	Thermo Electric Air Cooling and Heating System for Farm Tractor Cabin	Mechanical	202241000899	07.01.2022	21.01.2022	Published
61.	Fish Desiccation Device	Mechanical	202241007700	14.02.2022	25.02.2022	Responded to FER
62.	Manually Operated Effortless Screwdriver	Mechanical	202241053662	20.09.2022	30.09.2022	Published
63.	Automated Multipurpose Agricultural Machine	Mechanical	202241060313	21.10.2022	04.11.2022	Hearing on 25.04.2024
64.	Hyacinth Plant Extracting Machine	Mechanical	202241065913	17.11.2022	25.11.2022	Granted on 08.01.2024

Sl. No.	Title of the Invention	Department	Application Number	Date of filing	Date of Publication	Current Status
65.	Vehicular Energy Turbine System	Mechanical	202241066663	21.11.2022	02.12.2022	Granted on 10.05.2024
66.	Kinematic Linkage Bicycle Transmission System	Mechanical	202341023027	26.03.2023	21.04.2023	Published
67.	Sprocket Based Chainless Drive Transmission System	Mechanical	202341032614	09.05.2023	16.05.2023	Published
68.	Non – Newtonian Fluid Bottle Filling Machine	Mechanical	202341064374	26.09.2023	26.01.2024	Published
69.	IoT Enabled Customized Testing Machine For 3D Printed Polymer Based Threaded Fasteners	Mechanical	202341066436	04.10.2023	20.10.2023	Published
70.	Solenoid Integrated Helmet Locking Device	Mechanical	202341083021	06.12.2023	29.12.2023	Published
71.	Smart Multi – Functional Patient Wheelchair cum Bed	Mechanical	202341083024	06.12.2023	29.12.2023	Published
72.	Innovative Hot Set insert Press: Enhancing 3D printed Object Assembly and Integrity	Mechanical	202341083028	06.12.2023	05.01.2024	Published
73.	Lifting Machine with Roller and Scissor Arms for feeding Mulberry to Silkworm	Mechanical	202341083115	06.12.2023	05.01.2024	Published
74.	An Automated Epicyclic Constant Mesh Chain Train for Two-Wheeled Vehicles	Mechanical	202341088793	26.12.2023	02.02.2024	Published
75.	Portable Migrating Shop	Mechanical	202441011626	20.02.2024	01.03.2024	Published
76.	Deep Learning Based Ovarian Cancer Detection using Spectral Domain Optical Coherence Tomography	CSBS	202441006342	31.01.2024	16.02.2024	Published
77.	Climate based Self- Speed Control System in Car	AI&DS	202441001629	09.01.2024	09.02.2024	Published
78.	Modest Real Emancipation Tactics for Glasses	Chemistry	202141045669	07.10.2021	19.11.2021	Published

Sl. No.	Title of the Invention	Department	Application Number	Date of filing	Date of Publication	Current Status
79.	Method for the Synthesis of Mixed Nano scale composite using low-cost precursors	Chemistry	202221003745	22.01.2022	18.02.2022	Awaiting Request for Examination
80.	Knowledge Based Python Algorithm Model to Provide a General Framework for Constructing Pentapartitioned Fuzzy and Neutrosophic Closed Sets with its Extension in Topological Space along with an Unconventional Approach Towards Machine Learning Enhancements	Mathematics	202341073238	27.10.2023	15.12.2023	Awaiting Request for Examination

Applications highlighted in yellow are granted