

**Patent Details for Verification\_NIRF2023**

**Note: Provide your Institution's Patent details (Only Utility Patents) Discipline-wise as applied for NIRF Ranking each in Separate List/Table (Only Published & Granted during 2019 – 2021 year-wise) strictly in this provided format, and clearly write/mention the Discipline & Institute ID above the List/Table as prescribed. Details of the Design, Trademarks, or Copyrights, and only Filed Patents must be avoided. Those details should not be entered or provided in the list below as those won't be considered for the ranking. Patent details must be submitted along with all the source proofs (attached) like screenshots, pdf, image file from databases like InPASS, WIPO, USPTO, Espacenet, Derwent Innovation, etc. and direct URL/Website links, etc.**

Discipline Name applied for NIRF2023 Ranking: e.g. IIR\_ENGINEERING

Institute ID: IR-E-C-45045

Provide below the Year-wise Count of Submitted Patent Data by the Institute (2019 to 2021) for NIRF2023 as applied in Discipline-specific:

Published_2025	Published_2024	Published_2023	Published_2022	Published_2021	Granted_2024	Granted_2023	Granted_2022	Granted_2021	Granted_2020	Total Published (2022-2025)	Total Granted (2022-2025)
0	0	3	3	1	5	5	1	0	2	7	10

**Patent Details with proofs (Attach screenshots, pdf, image file, etc.):**

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Application)	Here, attach Source Proof Screenshots/URL/ Website Links, etc.
1	201721036315	Granted	Urvij Dave	Ground Manoeuvrable Plastic Litter Suction and Separation Device	Bharuch Enviro and Infrastructure Ltd Shroff S.R. Rotary Institute of Chemical Technology (SRICT)	12.10.2017	20.10.2023	486187	Bharuch Enviro and Infrastructure Ltd Shroff S.R. Rotary Institute of Chemical Technology (SRICT)	<a href="https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus">https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus</a>
2	377649-001	Granted	1.Mayank R. Kothawade 2. Gajanan Dhanorkar 3.Sachin S. Lamkane 4.Shraddha Manish Dudhani 5.Rupali Pravin Attarde 6.Komal Subhash Jadhav 7.Sahil Kailas Shah	Router Design	Shroff S.R. Rotary Institute of Chemical Technology (SRICT)	19.01.2023	14.03.2023		Shroff S.R. Rotary Institute of Chemical Technology (SRICT)	<a href="https://search.ipindia.gov.in/DesignApplicationStatus/">https://search.ipindia.gov.in/DesignApplicationStatus/</a>
3	398203-001	Granted	1. Mr. Kaushal Singh2. Dr. Prabhakar Sharma3. Dr. Zeel Purohit4. Mr. Jigesh Mehta5. Ms. Barkha Wadhvani6. Ms. Sneha Saini7. Ms. Twisha Patel8. Ms. Khushbu Chauhan9. Ms. Nidhi Parmar10. Mr. Uddalok Chakraborty11. Ms.	Design to Robotic Hand	Shroff S.R. Rotary Institute of Chemical Technology (SRICT)	21.10.2023	24.11.2023		Shroff S.R. Rotary Institute of Chemical Technology (SRICT)	<a href="https://search.ipindia.gov.in/DesignApplicationStatus/">https://search.ipindia.gov.in/DesignApplicationStatus/</a>
4	4761/MUM/2015	Granted	NILESH BADGUJAR	Process for the Treatment of Paint Sludge	Shroff S.R. Rotary Institute of Chemical Technology (SRICT)	18.12.2015	28.06.2022	400225	Shroff S.R. Rotary Institute of Chemical Technology (SRICT)	<a href="https://iprsearch.ipindia.gov.in/PublicSearch/PatentSearch/ViewApplicationStatus">https://iprsearch.ipindia.gov.in/PublicSearch/PatentSearch/ViewApplicationStatus</a>
5	395430-001	Granted	1.Akash Tejeskumar Ravat 2. Sonuben Nileshbhai Patel 3.Chintan Vikas Bhalerao 4.Bhumika Narendrabhai Parmar 5.Ghanshyam Dharmendrakumar Modi 6.Omprakash Kishanrao Mahadwar	Automated Chemical Reaction Analysis Chamber	UPL University of Sustainable Technology	19.09.2023	08.11.2023		UPL University of Sustainable Technology	<a href="https://search.ipindia.gov.in/DesignApplicationStatus/">https://search.ipindia.gov.in/DesignApplicationStatus/</a>
6	202221028542	Granted	ALOK GAUTAM & SHINA GAUTAM	Process for Conversion of Silver Chloride from Chemical Oxygen Demand Test Wastewater into Silver Sulphate	Shroff S.R. Rotary Institute of Chemical Technology (SRICT) UPL University of Sustainable Technology 2.Enviro Tech Limited	18.05.2022	12.10.2023	458652	Shroff S.R. Rotary Institute of Chemical Technology (SRICT) UPL University of Sustainable Technology 2.Enviro Tech Limited	<a href="https://iprsearch.ipindia.gov.in/PublicSearch/PatentSearch/ViewApplicationStatus">https://iprsearch.ipindia.gov.in/PublicSearch/PatentSearch/ViewApplicationStatus</a>
7	202221026715	Granted	ALOK GAUTAM & SHINA GAUTAM	A process for extraction of Polyhydroxyalkanoates (PHA) from Secondary Treatment Wastewater Sludge	Enviro Tech Limited Shroff S.R. Institute of Chemical Technology	09.05.2022	15.03.2024	527836	Enviro Tech Limited Shroff S.R. Institute of Chemical Technology	<a href="https://iprsearch.ipindia.gov.in/PublicSearch/PatentSearch/ViewApplicationStatus">https://iprsearch.ipindia.gov.in/PublicSearch/PatentSearch/ViewApplicationStatus</a>
8	419639-001	Granted	Gunawan Widjaja , Prof.Dr.Falah Hassan Shari, Mayur M.Sevak, Ms.Anuja Gunale, Satyaprakash Naik , Dr.Tanmay D.Pawar, Dr N Nagabhooshanam	Device to Monitor and Alert Heart Attack	UPL University of Sustainable Technology	11.06.2024	12.07.2024		UPL University of Sustainable Technology	<a href="https://search.ipindia.gov.in/DesignApplicationStatus/">https://search.ipindia.gov.in/DesignApplicationStatus/</a>
9	419639-001	Granted	Anuja Gunale	Agricultural Drone for Weed Detection and Control	UPL University of Sustainable Technology	16-12-2023	02-01-2024		UPL University of Sustainable Technology	<a href="https://search.ipindia.gov.in/DesignApplicationStatus/">https://search.ipindia.gov.in/DesignApplicationStatus/</a>
10	6333610	Granted	Anuja Gunale	AI-Powered Magnetic Stirrer with Hot Plate	UPL University of Sustainable Technology	21-12-2023	07-01-2024		UPL University of Sustainable Technology	<a href="https://search.ipindia.gov.in/DesignApplicationStatus/">https://search.ipindia.gov.in/DesignApplicationStatus/</a>
11	6334763	Granted	Anuja Gunale and Miti Desai	Smart Pill Dispensing System	UPL University of Sustainable Technology	17-02-2024	26-02-2024		UPL University of Sustainable Technology	<a href="https://search.ipindia.gov.in/DesignApplicationStatus/">https://search.ipindia.gov.in/DesignApplicationStatus/</a>
12	6347531	Published	Dr. Swapna Rekha Panda	Design and develop Neon materials for COVID 19.	Shroff S.R. Rotary Institute of Chemical Technology (SRICT), UPL University of Sustainable Technology in collaboration with other Universities	23.03.2022	15.04.2022 (published)		Shroff S.R. Rotary Institute of Chemical Technology (SRICT), UPL University of Sustainable Technology in collaboration with other Universities	<a href="https://search.ipindia.gov.in/DesignApplicationStatus/">https://search.ipindia.gov.in/DesignApplicationStatus/</a>
13	202121059957	Granted	PRATIBHA GAUTAM and DARSHAN SALUNKE	Cement Free Paver Block and Process Thereof	1 . Shroff S.R. Rotary Institute of Chemical Technology (SRICT), UPL University of Sustainable Technology 2 . BEIL INFRASTRUCTURE LTD	22-12-2021	23-06-2023	IN575381	1 . Shroff S.R. Rotary Institute of Chemical Technology (SRICT), UPL University of Sustainable Technology 2 . BEIL INFRASTRUCTURE LTD	<a href="https://iprsearch.ipindia.gov.in/PublicSearch/PatentSearch/ViewApplicationStatus">https://iprsearch.ipindia.gov.in/PublicSearch/PatentSearch/ViewApplicationStatus</a>
14	202321072946	Granted	ALOK GAUTAM	Process for Recovery of Mercury Sulphate from Wastewater	Enviro Tech Limited Shroff S.R. Institute of Chemical Technology	26-10-2023	16-09-2025	IN570719	Enviro Tech Limited Shroff S.R. Institute of Chemical Technology	<a href="https://iprsearch.ipindia.gov.in/PublicSearch/PatentSearch/ViewApplicationStatus">https://iprsearch.ipindia.gov.in/PublicSearch/PatentSearch/ViewApplicationStatus</a>